Commitment to Customer Service

"Our Goal is to Help You Achieve Yours"

LLOYD'S REGISTER · LRQA
ISO 9001 • ISO 14001
OHSAS 18001
UKAS MANAGEMENT SYSTEMS
001

QUALITY GUARANTEED
"Assuring the Quality & Performance Required by all Sectors of Industry"

UKAS Laboratory



UKAS CALIBRATION
0244

Technical Support & Product Specialists



Training Facilities



Quality - Product "Traceability"

Cromwell has complete **ISO9001** certification and has fully qualified assurance and staff.

Ethical & Sustainable

Cromwell makes every effort to ensure all products are manufactured in conformance with good employment practice and in keeping with its **ISO14001** standard for the use of sustainable resources.

Product Support

Product and application advice is available from all of our distribution centres worldwide. The local teams have further support from our specialist technical division and application engineers who provide advice, training, CAD design, tooling packages and R&D to suit customer requirements.

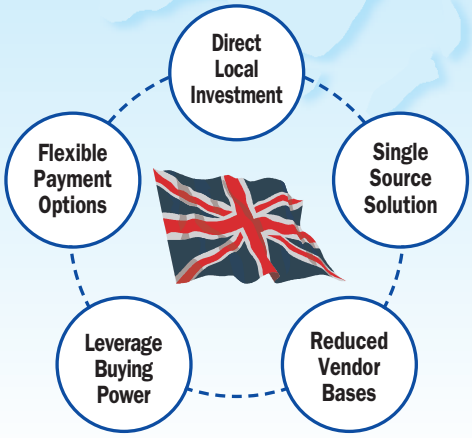
Quality Assurance



Product & Service



Commercial



Consolidation - Reduce your Purchasing Costs

Consolidating all your consumables spend with Cromwell can save you money by reducing the costs associated with dealing with multiple suppliers. With over 24,000 products in this catalogue and access to thousands more (see **www.cromwell.co.uk**), Cromwell can supply all your consumable needs, allowing you to control your spend whilst guaranteeing quality, performance and continuity of supply.

e-commerce - Downcost your Supply Chain



B2B Business to Business (Web Trading)

Secure login. View own pricing. Individual user configuration. Customer's own administrator. Complete budgetary controls. On line sales and invoice history. Individual user shopping lists. Standard and draft order functionality.

- **Bespoke Catalogues**
- **Order Approvals**
- **Budgetary Control**
- **Access to Order History**
- **Comprehensive Reporting Suite**
- **Request for Quotation**
- **User Configuration**
- **Personalised Home Page**
- **Access to SDS Sheets**





Supply Chain



Deutsche Post World Nett





- Advanced Stock Management Systems ensure "Local Ex-stock Availability".
- Established re-supply chain by air, sea and overland freight movement from the World Distribution Centre to our local distribution centres.
- Courier services for urgent or non-standard supply requirements.
- Proven freight forwarding and logistics partnerships.
- Local support from our worldwide network of Distribution Centres and dealers.

SOURCEPOINT®
www.sourcepoint.co.uk

Global Sourcing

Global Sourcing of Manufactured Products:

Injection Moulding	**CNC Machining**
Drop Forging	**Casting**
Fabrication	**Woodworking**
Textiles	**Electronics**

Sourcepoint was established to help customers of Cromwell source more competitively. Access to a global supply base helps reduce cost and improve product availability, with established sources across **Europe, India, China, Australasia, Africa and South East Asia.**

Our presence as both a global supplier and purchaser brings knowledge and experience when finding new sources around the world, from identification through to product inspection.

Enquiries for all types of component, product or material will be considered. We have understanding of most production methods and legislation including **RoHS** and **REACH**, as well as a **UKAS** accredited calibration laboratory.

This new business can be combined with our regular shipments from around the globe to reduce costs. Our local network of contacts and partners can also buy products on our behalf with further knowledge at a ground level.

Globally Sourced Products To Your Door



How to Order

When choosing products from our catalogue, please select the **"Order Codes"** by following the example shown here.

1. Note the six figure **"Product Group"** code

Number of Pieces	Weight	Order Code	List Price/1	**Offer Price/1**
6	620g	**ABC-123-4567D**	-	-

2. Add the remaining five figure **"Item"** code

Now with your complete Order Code, simply add your desired quantity and our friendly and experienced sales team are ready to take your order.

e.g. Order Code: **ABC-123-4567D**
Quantity: **1**

Pricing - Quality Industrial Supplies at Very Competitive Prices

List Prices All list prices are based on current manufacturing costs, ex-works and exclude VAT and other Government levies. Quotes remain valid for 30 days only, unless by written agreement and subject to change in line with increase in manufacturing and supply chain costs.

Discounts Customers can negotiate purchase discounts on products where they have a regular or high volume usage. Discount levels are subject to agreement with our local dealer/distributor, or local Cromwell branch and are relevant to volumes being purchased.

Cancellation & Return Policy

Cancellations

Orders cannot be cancelled once they have been despatched by Cromwell or one of its suppliers. For products requiring special manufacture, cancellation will not generally be allowed once the manufacturing process has commenced.

Returns

Products may be returned to Cromwell for credit or refund by way of the following procedure;

1. A returns number or authorisation should be obtained from Cromwell prior to returning goods, advice note or invoice number needs to be quoted.
2. Products must always be returned unused in their original packaging and in a condition that is immediately fit for resale.
3. Returns must be made within 14 days of the advice note date of delivery unless special authorisation has been agreed.

Conditions

(i) A re-stocking charge will generally be applied for products that are no longer required or returned due to customer error.

(ii) Certificated/calibrated products may not be eligible for return due to conformity regulations included in our accreditation certification.

(iii) Cromwell reserves the right to refuse to accept any products or to apply a re-stocking charge that relates to the actual cost of inspection and re-stocking for products returned that do not comply with the terms of this policy.

This policy excludes software products and/or products supplied under contract where the terms and conditions of the contract will rule.
This policy is part of our terms and conditions of sale but does not affect the customer's statutory rights as a consumer.
Cromwell accepts no responsibility for any loss or damage to products in transit.

ALL RETURNS ARE SUBJECT TO 100% INSPECTION BEFORE RE-STOCKING TO ENSURE GOODS ARE FIT FOR RESALE.



Product Promotions

Special Offers are published regularly to pass on substantial savings on products that Cromwell have produced in volume. Leaflets are freely available from your local branch or representative.

Prices are Correct at Time of Printing

Please contact us for latest pricing and details of our product promotions.

PRICES RULE AT THE DATE OF DESPATCH.

Supplier of Quality Brands...

KENNEDY PROFESSIONAL
SWISS+TECH
OXFORD PRECISION
YORK ABRASIVES
AVON
INDEXA
RUTLAND Quality Gardening Tools
SOLENT MAINTENANCE
MATLOCK
SHERWOOD QUALITY CUTTING TOOLS
KOBE
TUFFSAFE

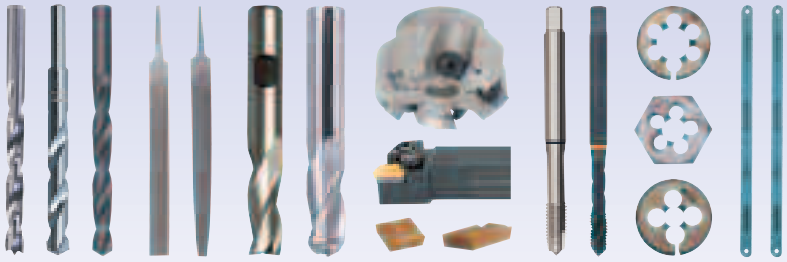
Catalogue Overview

We have also included a fully comprehensive and very useful **"Alphabetical Index"** on pages 6 - 15.

CUTTING TOOLS

Product Groups
005 - 184

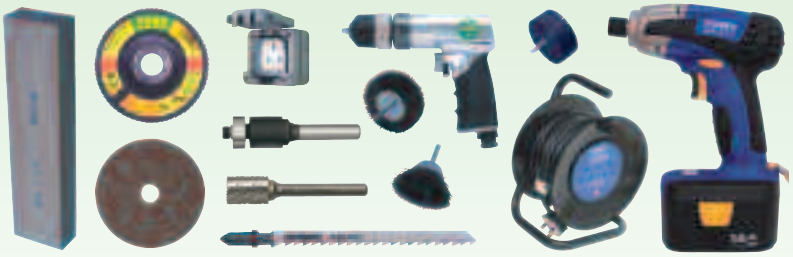
Contents Pages: 16 - 17



ABRASIVES & POWER TOOLS

Product Groups
200 - 298

Contents Pages: 164 - 165



PRECISION EQUIPMENT

Product Groups
300 - 385

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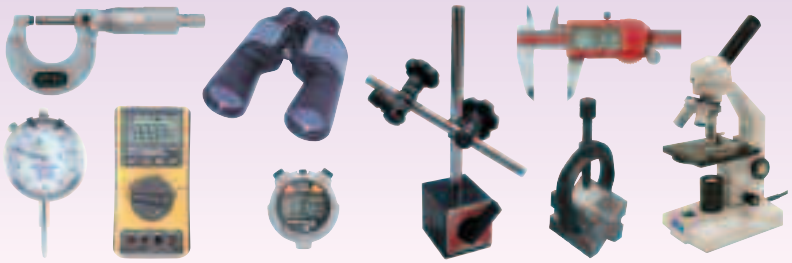

WORKSHOP EQUIPMENT

Product Groups
400 - 495

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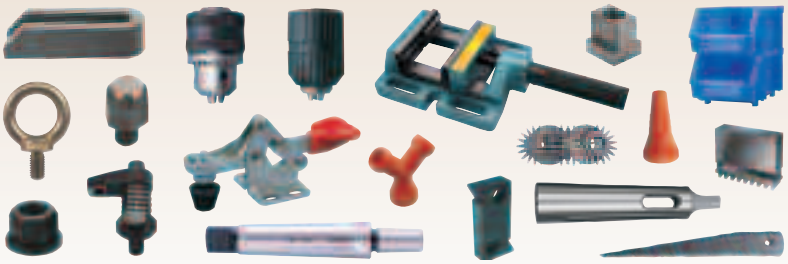


HAND TOOLS

Product Groups
501 - 603

Contents Pages: 320 - 321

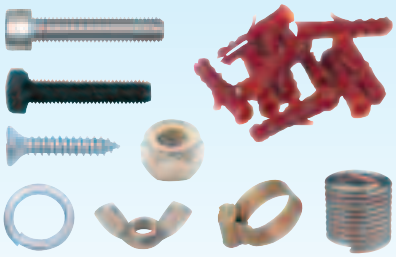


FASTENERS

Product Groups
600 - 690

Contents Pages: 612 - 613





To ensure that users can find the right product as quickly as possible all products have been catalogued in order of **"Product Group"** sequence. The **"Groups"** featured on each page are clearly identified in the outside corner at the top of each page.
Furthermore, a complete list of the **"Groups"** featured in each section of this catalogue is given on the **"Section Contents Pages"** at the beginning of each section.



LUBRICANTS & CHEMICAL PRODUCTS

Product Groups 708 - 742

Contents Pages: 644 - 645



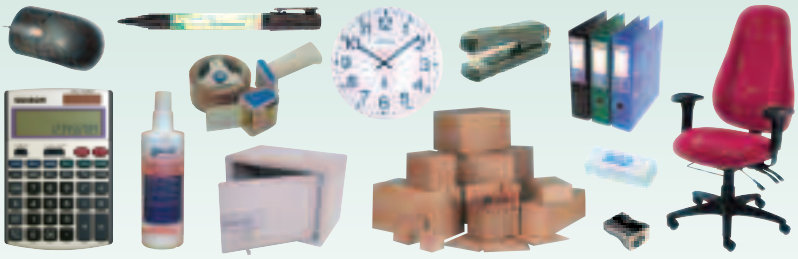


JANITORIAL & HYGIENE

Product Groups 780 - 952

Contents Pages: 662 - 663





OFFICE SUPPLIES & PACKAGING

Product Groups 800 - 982

Contents Pages: 678 - 679





WELDING

Product Groups 880 - 891

Contents Pages: 700 - 701





SITE MAINTENANCE

Product Groups 741 - 996

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PERSONAL PROTECTION

Product Groups 957 - 963

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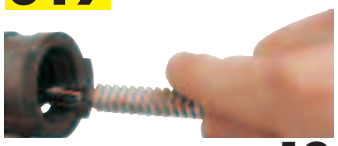
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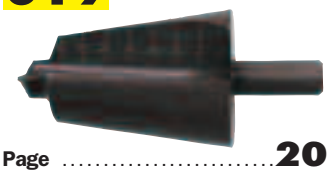
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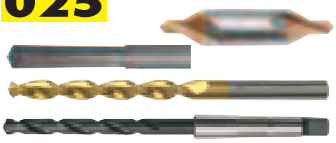
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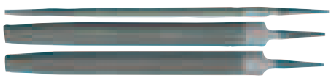
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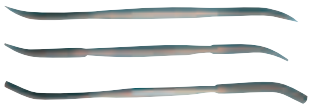
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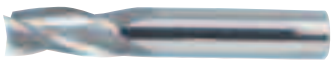
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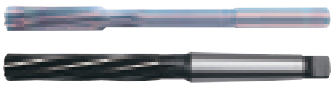
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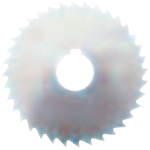
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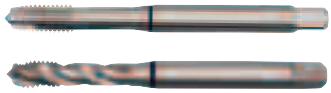
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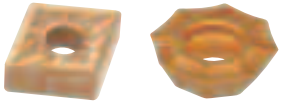
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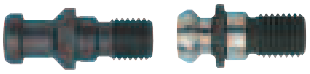
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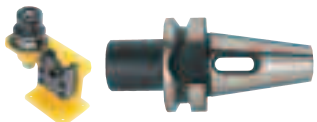
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CUTTING TOOLS

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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KENNEDY Butt Welded Tools

Manufactured from top quality sintered steels. For use on a wide range of applications from roughing to finishing.
Manufactured to **BS 1296 : Part 3 : 1978.**

Light Turning & Facing



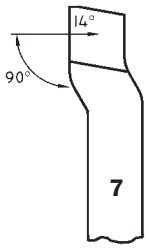
Right Hand



Shape No.1RH Rake & Clearance Angles	
Top Rake	14°
Front Clearance	6°
Approach Angle	-2°
Trail Angle	15°
Side Clearance	6°
Corner Radius	-

Shank (mm)	Overall Length	Order Code KEN-010
12 x 12	100	**-0120K**
16 x 16	110	**-0160K**

Knife or Side Cutting



Right Hand



Shape No.7RH Rake & Clearance Angles	
Top Rake	14°
Front Clearance	6°
Approach Angle	-2°
Trail Angle	4 - 10°
Side Clearance	6°
Corner Radius	-

Shank (mm)	Overall Length	Order Code KEN-010
12 x 12	100	**-1120K**
16 x 16	110	**-1160K**

External Screw Cutting Right Hand



No Rake

Also available for cutting left hand thread - No.13LH

No.13 RH
(No.14 LH available on request)



Shape No.13RH Rake & Clearance Angles	
Top Rake	0°
Front Clearance	12°
Approach Angle	30°
Trail Angle	60°
Side Clearance	60°
Corner Radius	-

Shank (mm)	Overall Length	Order Code KEN-010
12 x 12	100	**-2120K**
16 x 16	110	**-2160K**

Parting Off



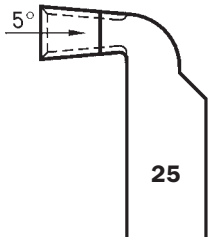
Right Hand



Shape No.16RH Rake & Clearance Angles	
Top Rake	5°
Front Clearance	6°
Approach Angle	90°
Trail Angle	0°
Side Clearance	1-2°
Corner Radius	-

Shank (mm)	Overall Length	Order Code KEN-010
12 x 12	100	**-3120K**
16 x 16	110	**-3160K**
20 x 20	125	**-3200K**

Right Angle Recessing



Right Hand



Shape No.25RH Rake & Clearance Angles	
Top Rake	5°
Front Clearance	6°
Approach Angle	0°
Trail Angle	2°
Side Clearance	3°
Corner Radius	-

Shank (mm)	Overall Length	Order Code KEN-010
16 x 16	110	**-6160K**

Facing



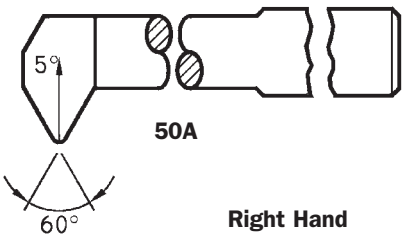
Right Hand



Shape No.19RH Rake & Clearance Angles	
Top Rake	14°
Front Clearance	6°
Approach Angle	-30°
Trail Angle	15°
Side Clearance	6°
Corner Radius	3 - 8°

Shank (mm)	Overall Length	Order Code KEN-010
12 x 12	100	**-5120K**
16 x 16	110	**-5160K**

Internal Screw Cutting Tools



Right Hand

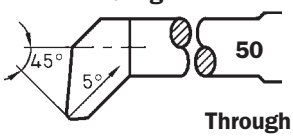


Shape No. 50A Rake & Clearance Angles	
Top Rake	5°
Front Clearance	6°
Approach Angle	0°
Trail Angle	1°
Side Clearance	1°
Corner Radius	-

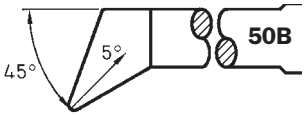
Shank (mm)	Overall Length	Order Code KEN-010
20 x 12	160	**-8620K**

Boring Tools & Through Boring Tools

Boring



Through Boring



Right Hand



Rake & Clearance Angles	Shape No. 50	50B
Top Rake	5°	5°
Front Clearance	6°	6°
Approach Angle	-1°	-45°
Trail Angle	4°	30°
Side Clearance	6°	6°
Corner Radius	-3°	-6°
Cutting Angle	30°	90°

Shank (mm)	Overall Length	Order Code KEN-010 No.50	No.50B
12 x 12	160	**-8120K**	-
16 x 16	200	**-8160K**	**-9020K**

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Die Heads

Coventry Die Heads produce clean and smooth threads for economy on short to medium prodution runs. The ease and simplicity in setting allows for minimum downtime when changing threads.

Coventry Dieheads are suitable for a wide variety of machines:
Capstan and Turret Lathes.
CNC or Automatic Screwing.
Multi Spindle Automatics.
Drilling Machines.



WS Style Coventry Die Heads

Robust and reliable. Can be used on a variety of manual or automatic* machines. Can be supplied with any other straight or tapered shank. Takes standard Coventry type chasers. Repair parts readily available.

*Supplied with spring band closer.
Set for single cut only.

Model	Capacity	Body Diameter	Shank Diameter	Order Code CTL-016
WS6	1/4" (6mm)	1 1/2"	5/8"	-0006A
WS12	1/2" (12mm)	2 1/2"	1"	-0012A
WS20	3/4" (20mm)	3 7/16"	1 1/2"	-0020A

HSS Coventry Type Chaser Dies

HSS

Cutting takes place only on the throat and the first full tooth; the remaining threads are above centre height and act as a nut, ensuring accurate pitch. Ideal for batch work or continuous production of threaded steel bar. Coventry dies are not interchangeable. An original set of new dies must always be used together. When taken from the diehead the set of dies should be retained in its box until required again.



Throat Angles
20° for general work and soft steels - supplied as standard.
33° 'B' type for cutting brass, available on request.

Grinding Dies
Only two angles are ground on Coventry dies, the throat angle and the rake angle and in the particular case of Holozone dies only the throat angle is ground. All dies in a set must be ground on the throat at the same time and since they cannot be accurately ground by hand, a die grinding fixture must be used.

Marking & Materials
Each die is marked with: diameter, pitch, type of die and gauge number. Non-standard or special dies are marked with an SD number which should be quoted when re-ordering. When a set of dies has been re-ground several times by grinding the throat angle, the height of the cutting edge rises above centre. This condition must be rectified by grinding the rake angle until the die height is correct according to the number shown on the die.

ISO Metric: Throat Angle S20

Size x Pitch	Diehead Size	Weight each	Order Code CTL-015
4 x 0.70	6mm	22g	-1015Q
	12mm	59g	-1019V
5 x 0.80	12mm	58g	-1024N
6 x 1.00	12mm	59g	-1030F
	20mm	160g	-1031G
8 x 1.25	12mm	55g	-1041S
	20mm	150g	-1043V
10 x 1.50	12mm	52g	-1048A
	20mm	150g	-1050C
12 x 1.75	12mm	50g	-1054G
	20mm	147g	-1056J
14 x 2.00	20mm	145g	-1061P
20 x 2.50	20mm	130g	-1075E
	25mm	210g	-1077G
	32mm	355g	-1079J
24 x 3.00	25mm	205g	-1085Q
	32mm	320g	-1086R
30 x 3.50	32mm	400g	-1091X

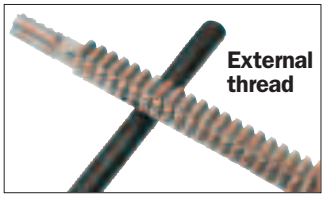
SHERWOOD QUALITY CUTTING TOOLS Thread Restoring Files

Restore internal and external threads by filing, where the use of taps and dies are impractical. The restorer file overlaps several good threads and files the damaged ones. Restore right and left hand, internal and external threads. Long lasting, fast cutting teeth.
Thread restoring files are available in ISO, Whit/BSF, UNF/UNC and BSP thread types.









Thread Type	Range	Weight each	Order Code SHR-017
ISO	.80 to 3mm	133g	-9020C
Whit/BSF	10 tpi to 24 tpi	132g	-9001A
UNF/UNC	11 tpi to 24 tpi	130g	-9010B
BSP	11 tpi to 28 tpi	127g	-9030D

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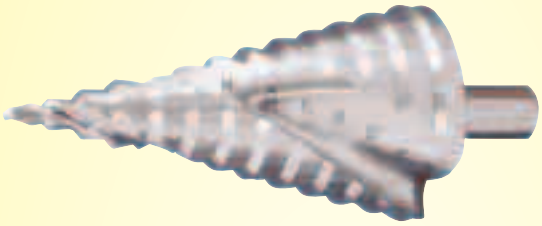
SHERWOOD QUALITY CUTTING TOOLS — HSS Multi-Diameter Step Drills

HSS

Produce good quality holes in a wide variety of materials, using either a bench drill or light pedestal drilling machine. Each tool cuts parallel holes in a range of specific sizes. For material up to 1/8" (3mm) thick.





Size	Range	Number of Steps	Weight each	Order Code SHR-019
0/5	4 - 12mm	5	30g	-0500K
0/9	4 - 12mm	9	30g	-0509K
1	4 - 20mm	9	70g	-0510K
2	4 - 30mm	11	200g	-0520K
3	6 - 38mm	12	299g	-0530K
5	4 - 39mm	14	320g	-0560K
9	6 - 37mm	12	310g	-0600K

HSS Sheet Metal Step Drill Set

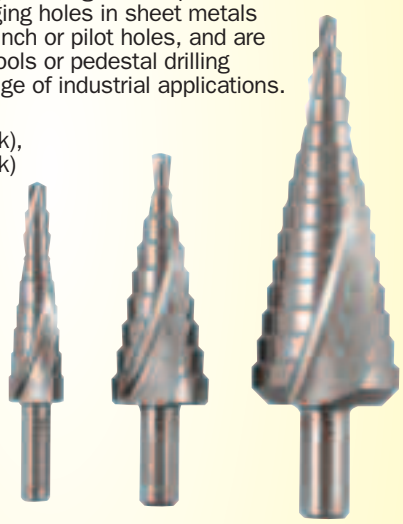
HSS

Three piece stepped cone drill set manufactured from high speed steel, resulting in long tool life and extra durability. Each step produces specific sized, parallel holes, with the maximum material thickness being determined by the length of step. The drills are capable of producing or enlarging holes in sheet metals without the need for centre punch or pilot holes, and are designed for use with power tools or pedestal drilling machines for an extensive range of industrial applications.

Sizes include:
4 - 12mm (9 step, 6mm shank),
4 - 20mm (9 step, 8mm shank)
and 4 - 30mm (14 step,
10mm shank).



3 PIECES

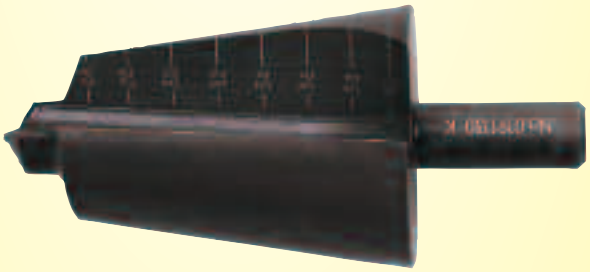


Number of Pieces	Range	Weight	Order Code SHR-019
3	4 - 30mm	275g	-0260K

HSS Taper Sheet & Tube Drills

HSS

For producing clean holes in sheet metal and other thin walled materials. Efficient cutting geometry, no pre-drilled pilot hole and the diameter of the finished hole is infinitely variable within the range of each drill, according to depth of feed.



Range	Shank Diameter	Overall Length	Weight each	Order Code SHR-019
3 - 14mm	6	57	30g	-1100K
8 - 20mm	8	66	60g	-1110K
16 - 30mm	9	74	140g	-1120K
26 - 40mm	9	85	300g	-1130K

KENNEDY QUALITY INDUSTRIAL TOOLING — HSS-E Co 5% Countersinks Single Hole

HSS-Co 5%

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics. Straight shank. Manufactured to **BS328 : Part 5 : 1983**. Inclusive angle 90°.



Cutting Range	Shank Diameter	Overall Length	Weight each	Order Code KEN-020
2 - 5mm	6	32.0	15g	-2090K
5 - 10mm	8	30.5	25g	-2100K
10 - 15mm	10	37.5	25g	-2150K
15 - 20mm	12	48.0	110g	-2200K
20 - 25mm	15	56.5	225g	-2250K

SHERWOOD QUALITY CUTTING TOOLS — HSS-E Co 5% Countersinks Single Hole

HSS-Co 5%

Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank. Manufactured to **BS328 : Part 5 : 1983**. Inclusive angle 90°.



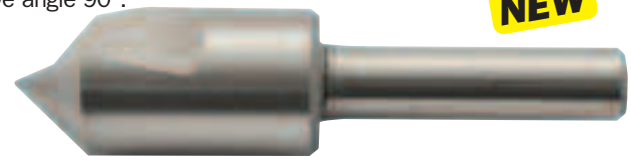
Cutting Range	Shank Diameter	Overall Length	Weight each	Order Code SHR-020
2 - 5mm	6	32.0	15g	-2090K
5 - 10mm	8	30.5	25g	-2100K
10 - 15mm	10	37.5	25g	-2150K
15 - 20mm	12	48.0	110g	-2200K
20 - 25mm	15	56.5	225g	-2250K
25 - 30mm	15	55.0	315g	-2300K

HSS Single Flute Countersinks

HSS

A quality range of single flute countersinking bits available in nine individual sizes and as a five piece set for use in the deburring and chamfering of most metals and plastics. Manufactured from high speed steel for durability and performance. Inclusive angle 90°.

NEW



Size	Shank Diameter	Overall Length	Weight each	Order Code SHR-020
3/16"	3/16"	1 3/8"		-9140K
1/4"	1/4"	1 1/2"		-9150K
5/16"	1/4"	2"		-9160K
3/8"	1/4"	2"		-9170K
1/2"	1/4"	2"		-9180K
5/8"	1/2"	2 1/4"		-9190K
3/4"	1/2"	2 3/4"		-9200K
7/8"	1/2"	2 3/4"		-9210K
1"	1/2"	2 3/4"		-9220K
5 Piece Set: 1/4", 3/8", 1/2", 3/4" & 1"				-9250K

HSS-Co 5% Countersink Set

HSS-Co 5%

6 Piece Set
Straight shank,
ground flute 90° angle.
Sizes: 2 - 5mm, 5 - 10mm,
10 - 15mm, 15 - 20mm,
20 - 25mm and 25 - 30mm.

6 PIECES



Number of Pieces	Shank Style	Weight each	Order Code SHR-020
6	Straight	1.2kg	-9020B

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SHERWOOD QUALITY CUTTING TOOLS — HSS-Co 5% 3 Flute Piloted Countersinks

HSS-Co 5%

For the production of high precision concentrically centred countersinks in most metals where pilot holes have been pre-drilled.

Shank diameter: 3/16".



Product Number	Diameter	Inc. Angle	Body Dia.	Overall Length	Order Code SHR-020
5802	3/32"	100°	3/16"	2 1/2"	-5050D
5803	3/32"	120°	3/16"	2 1/2"	-5054H
5810	1/8"	100°	1/4"	2 1/2"	-5051E
5812	1/8"	120°	1/4"	2 1/2"	-5055J
5821	5/32"	100°	5/16"	2 1/2"	-5052F
5831	3/16"	100°	3/8"	2 1/2"	-5053G
5832	3/16"	120°	3/8"	2 1/2"	-5056K

Inclined Angles for Countersunk Socket Head Screws

Thread Series	Standard	Thread Size	Countersink Angle
Metric	BS EN ISO 10642	up to M20 over M20	90° 60°
UNC/F	ANSI B 18.3	No.0 to 1"	82°
BSW/F	BS 2470	1/8" TO 1"	90°
BA	BS 2470	8BA TO 0BA	90°

Diameter	Inc. Angle	Body Dia.	Overall Length	Order Code SHR-020
3/32"	100°	.190	2 1/2"	-5057L
1/8"	100°	.252	2 1/2"	-5058M
5/32"	100°	.340	2 1/2"	-5059N
3/16"	100°	.405	2 1/2"	-5060P
1/4"	100°	.530	2 1/2"	-5061Q

HSS-Co 5% 3 Flute - Straight Shank

HSS-Co 5%

90° Heavy Duty

Manufactured from HSS-E cobalt steel for deburring and chamfering of most metals and plastics.

Manufactured to **BS328 : Part 5 : 1983**.

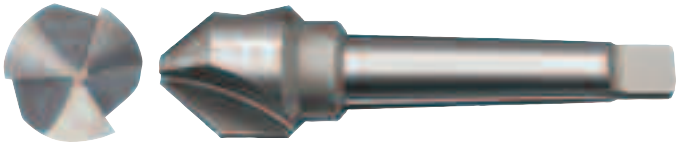


Cutting Diameter	Shank Diameter	Order Code SHR-020
8.0mm	8mm	-0790K
10.0mm	8mm	-0890K
12.5mm	8mm	-0990K
16.0mm	10mm	-1090K
20.0mm	10mm	-1110K
25.0mm	10mm	-1130K

HSS-Co 5% 3 Flute - Taper Shank

HSS-Co 5%

90° inclusive angle.



Cutting Diameter	Shank Diameter	Order Code SHR-020
16.0mm	1MT	-1550K
20.0mm	2MT	-1570K
25.0mm	2MT	-1590K
31.5mm	2MT	-1690K
40.0mm	3MT	-1790K
50.0mm	3MT	-1890K
63.0mm	4MT	-1920K

HSS-Co 5% Multi Flute - Straight Shank

HSS-Co 5%

Rose Pattern

Inclusive angle 90°.

Overall length: 52mm.



Cutting Diameter	Shank Diameter	Order Code SHR-020
9.5mm	4.8mm	-2040K
12.7mm	4.8mm	-2060K
15.8mm	6.3mm	-2080K

KENNEDY QUALITY INDUSTRIAL TOOLING — HSS-Co 5% Multi Flute - Straight Shank

Rose Pattern

Inclusive angle 90°.

Overall length: 52mm.

HSS-Co 5%



Cutting Diameter	Shank Diameter	Order Code KEN-020
9.5mm	4.8mm	-2040K
12.7mm	4.8mm	-2060K
15.8mm	6.3mm	-2080K

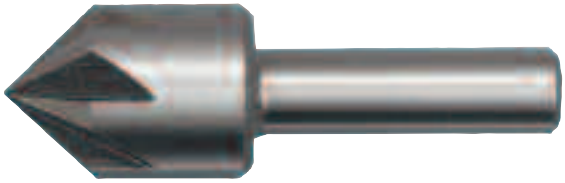
HSS-Co 5% Multi Flute - Straight Shank

HSS-Co 5%

Heavy Duty

Inclusive angle 90°.

Overall length: 40mm.



Cutting Diameter	Shank Diameter	Order Code SHR-020
12.7mm	6.3mm	-2000K

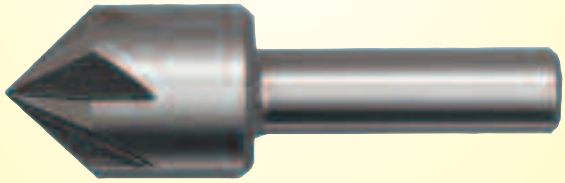
HSS-Co 5% Multi Flute - Straight Shank

HSS-Co 5%

Heavy Duty

Inclusive angle 90°.

Overall length: 40mm.



Cutting Diameter	Shank Diameter	Order Code KEN-020
12.7mm	6.3mm	-2000K

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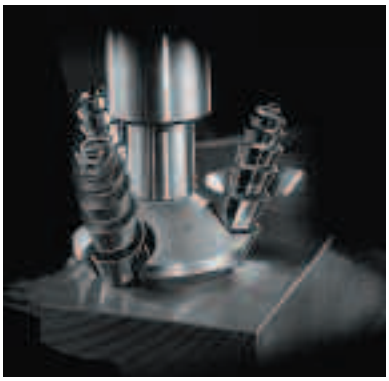
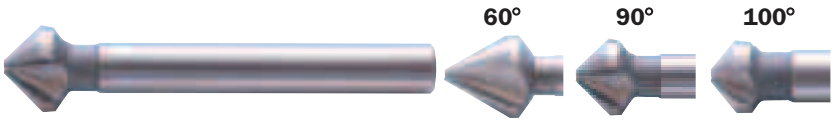
GROUP 020 COUNTERSINKS

SHERWOOD QUALITY CUTTING TOOLS — HSS-Co 5% High Performance Countersinks

HSS-Co 5%

A chatter-free cutter giving an excellent burr-free finish. Capable of deburring and countersinking in one stroke with no 'back-off' of tool. Also free countersinking of aluminium with no secondary bulge. For special applications and exotic materials, a choice of hard coatings is available.



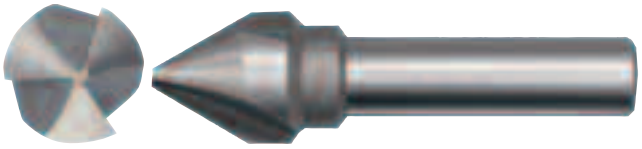


Cutting Diameter	Shank (mm)	Length (mm)	Weight each	Order Code SHR-020 60° Countersink	90° Countersink	100° Countersink
6.3mm	5	45		-5950K	-	-5450K
8.3mm	6	46	12g	-6000K	-5000K	-5500K
10.4mm	6	47	13g	-6050K	-5050K	-5550K
12.4mm	8	58	24g	-6100K	-5100K	-5600K
16.5mm	8	60	29g	-6150K	-5150K	-5650K
20.5mm	10	65	48g	-6200K	-5200K	-5700K
25.0mm	10	69	70g	-6300K	-5250K	-5750K

HSS-Co 5% Countersinks

HSS-Co 5%

3 Flute - Straight Shank
Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.
Manufactured to **BS 328 : Part 5 : 1983**.
Inclusive angle 82°.



Cutting Diameter	Shank Diameter	Order Code SHR-020
8.5mm	8mm	-7090K
10.0mm	8mm	-7100K
12.5mm	8mm	-7120K
16.0mm	10mm	-7160K
20.0mm	10mm	-7200K
25.0mm	10mm	-7250K

HSS-Co 5% 90° Countersinks

HSS-Co 5%

For all ferrous and non-ferrous metals as well as for hard plastics. General purpose chamfering/deburring and countersinking tool. Bright finish, 3 flute, ground all over.
Made to DIN 335.



Cutting Dia.	Shank (mm)	Length (mm)	Order Code SHR-020
6.0mm	5	45	-3060E
6.3mm	5	45	-3063J
8.3mm	6	50	-3083J
13.4mm	8	56	-3134Q
15.0mm	10	60	-3150G
19.0mm	10	63	-3190T
23.0mm	10	67	-3223G
30.0mm	12	71	-3230R

5 Piece Set Contents:
6.30, 8.30, 13.40, 15.00 and 19.00mm.

NEW



Number of Pieces	Order Code SHR-020
5	-9260K

KENNEDY QUALITY INDUSTRIAL TOOLING — HSS-Co 5% Countersinks

HSS-Co 5%

3 Flute - Straight Shank
Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.
Manufactured to **BS 328 : Part 5 : 1983**.
Inclusive angle 90°.



Cutting Diameter	Shank Diameter	Order Code KEN-020
8.0mm	8mm	-0790K
10.0mm	8mm	-0890K
12.5mm	8mm	-0990K
16.0mm	10mm	-1090K
20.0mm	10mm	-1110K
25.0mm	10mm	-1130K

HSS-Co 5% Countersink Set 90°

HSS-Co 5%

6 Piece Set
Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.
Straight shank, ground flute 90 angle.
Manufactured to **BS328 : Part 5 : 1983**.
Inclusive angle 90°.

Sizes: 8, 10, 12.5, 16, 20 and 25mm.



6 PIECES

Number of Pieces	Weight	Order Code KEN-020
6	620g	-1160K

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SHERWOOD QUALITY CUTTING TOOLS — HSS-Co 5% Countersink Set - 90°

HSS-Co 5%

6 Piece Set
High Performance Multi Flute
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Inclusive angle 90°.
Sizes: 8, 10, 12.5, 16, 20 and 25mm.



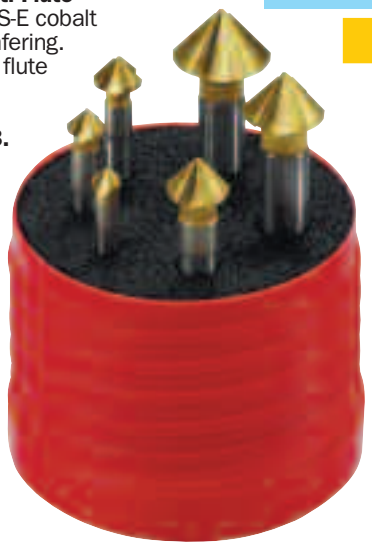
6 PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020
6	90°	-9010A

HSS-Co 5% TiN Coated Countersink Set - 90°

HSS-Co 5% TiN

6 Piece Set
High Performance Multi Flute
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Inclusive angle 90°.
Sizes: 6, 8, 10, 12.5, 16 and 20mm.



6 PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020
6	90°	-8990Y

HSS-Co 5% Countersink Set - 100°

HSS-Co 5%

5 Piece Set
High Performance Multi Flute
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 100° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Inclusive angle 100°.
Sizes: 6, 8, 10, 12.5 and 16mm.



5 PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020
5	100°	-9130A

HSS-Co 5% Countersink Set - 60°

HSS-Co 5%

5 Piece Set
High Performance Multi Flute
Manufactured from HSS-E cobalt for deburring and chamfering.
Straight shank, ground flute 60° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Sizes: 6, 8, 10, 12.5 and 16mm.



5 PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020
5	60°	-8150A

KENNEDY QUALITY INDUSTRIAL TOOLING — Solid Carbide High Performance Premium Countersinks

CARBIDE

For the general purpose countersinking of tool steel, cast irons, high silicon aluminium, bronze and non-metallic materials such as resin fibre-glass and laminates. Available in three flute with eccentric relief and six flute with conventional relief.
Manufactured to **USCTI Standards**.

3 Flute 90°



* Brazed steel shank

Cutting Diameter	Shank Diameter	Overall Length	Weight each	Order Code KEN-120
1/4" (6.3mm)	1/4" (6.3mm)	2" (50mm)	30g	-0790K
3/8" (9.5mm)	1/4" (6.3mm)*	2 13/16" (73mm)	40g	-0890K
1/2" (12.7mm)	1/4" (6.3mm)*	2 7/8" (75mm)	50g	-0990K
5/8" (16.0mm)	3/8" (9.5mm)*	3" (76mm)	90g	-1090K
3/4" (19.0mm)	1/2" (12.7mm)*	3" (76mm)	130g	-1110K

6 Flute 90°



* Brazed steel shank

Cutting Diameter	Shank Diameter	Overall Length	Weight each	Order Code KEN-120
1/4" (6.3mm)	1/4" (6.3mm)	2" (50mm)	30g	-1790K
3/8" (9.5mm)	1/4" (6.3mm)*	2 13/16" (73mm)	40g	-1890K
1/2" (12.7mm)	1/4" (6.3mm)*	2 7/8" (75mm)	50g	-1990K
5/8" (16.0mm)	3/8" (9.5mm)*	3" (76mm)	90g	-2090K
3/4" (19.0mm)	1/2" (12.7mm)*	3" (76mm)	130g	-2110K

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SHERWOOD QUALITY CUTTING TOOLS — HSS Solid Counterbores

Spiral flute, 3 flute. Medium duty. Used for milling of pre-drilled holes to allow bolt or cap head screws to lie flush with the component surface.
Manufactured to **BS328: 5:1983**.

HSS

Plain Shank



Metric

Bolt Size	Pilot Dia.	Cutter Dia.	Overall Length	Weight each	Order Code SHR-021
3mm	3.4	6.0	65.0	10g	**-3520K**
4mm	4.3	8.0	65.0	10g	**-3560K**
5mm	5.3	10.0	70.0	10g	**-3580K**
6mm	6.4	11.0	76.0	20g	**-3600K**
8mm	8.4	15.0	87.3	60g	**-3620K**
10mm	10.5	18.0	89.0	70g	**-3640K**
12mm	13.0	20.0	108.0	110g	**-3660K**
16mm	17.0	26.0	125.0	225g	**-3700K**

Plain Shank 7 Piece Set
Manufactured to **BS328 : 5 : 1983.**
Contents: M3, M4, M5, M6, M8, M10 and M12.

HSS

7 PIECES



Number of Pieces	Weight each	Order Code SHR-021
7	462g	**-9010A**

SWISS+TECH — HSS TiN Tipped Spotting Drills

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines.
For countersinking and chamfering of tapping holes in one operation.
Only suitable for shallow depth drilling.

HSS TiN-tip



Metric

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SWT-125
4.00	12.0	46.0	20g	**-5180A**
5.00	14.0	62.0	40g	**-5181A**
6.00	16.0	66.0	65g	**-5182A**
8.00	21.0	79.0	135g	**-5183A**
10.00	24.0	89.0	265g	**-5184A**
12.00	30.0	102.0	434g	**-5185A**
16.00	35.0	115.0	175g	**-5187A**

90° Point 5 Piece Set
Contents: 4.00, 6.00, 8.00, 10.00 and 12.00

HSS TiN-tip

5 PIECES



Number of Pieces	Weight each	Order Code SWT-125
5	300g	**-5190A**

SHERWOOD QUALITY CUTTING TOOLS — HSS-E Spotting Drills

HSS-E

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines. For countersinking and chamfering of tapping holes in one operation.
Only suitable for shallow depth drilling.

90° Point - Series C520

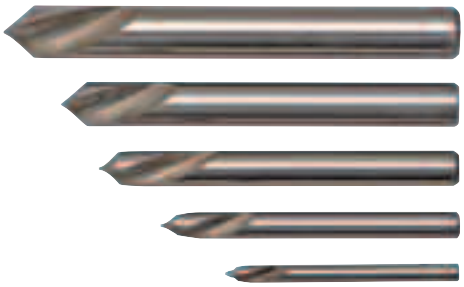


Metric

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-025
3.00	12.0	46.0	15g	**-2528Y**
4.00	12.0	46.0	20g	**-2528Z**
5.00	14.0	62.0	40g	**-2529B**
6.00	16.0	66.0	65g	**-2529A**
8.00	21.0	79.0	135g	**-2530B**
10.00	24.0	89.0	265g	**-2531C**
12.00	30.0	102.0	434g	**-2532D**
14.00	33.0	107.0	625g	**-2532N**
16.00	35.0	115.0	825g	**-2533E**
20.00	40.0	131.0	1490g	**-2534F**

90° Point 5 Piece Set
Contents: 4.00, 6.00, 8.00, 10.00 and 12.00mm.

HSS-E



5 PIECES

Number of Pieces	Order Code SHR-025
5	**-9200K**

120° Point - Series C530

HSS-E



Metric

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-025
6.00	20.0	66.0	100g	**-2535G**
8.00	16.0	79.0	155g	**-2536H**
10.00	21.0	89.0	265g	**-2537J**
12.00	30.0	102.0	434g	**-2538K**
16.00	35.0	115.0	175g	**-2539L**
20.00	40.0	131.0	298g	**-2540M**

Carbide Spotting Drills

CARBIDE

Designed for close tolerance hole location.
Suitable for continuous production on aluminium, plastics, free cutting steels, cast iron, titanium and some aerospace materials. The stability of carbide makes the tool more rigid and less likely to deflect, maintaining a higher level of accuracy.
Operators should note that continuous heavy shock loading may cause the tool to fail due to its brittleness.

90° Point - Metric



Metric

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-158
4.00	10.0	40.0	40g	**-8540K**
6.00	16.0	50.0	100g	**-8560K**
8.00	23.0	60.0	155g	**-8580K**
10.00	24.0	70.0	265g	**-8600K**
12.00	25.0	70.0	434g	**-8620K**
16.00	30.0	80.0	175g	**-8660K**
20.00	35.0	100.0	298g	**-8700K**

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SHERWOOD QUALITY CUTTING TOOLS

HSS SCD Stub Centring Drills

HSS

Stub centering drills designed for sheet metal drilling and spot centering operations with a strong supporting web and a reduced chisel edge to help penetration.



135° Split Point - Series S510

Metric

Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025
2.0	14.0	43.0	**-1396A**
3.0	18.0	49.0	**-1396C**
4.0	18.0	55.0	**-1396E**
5.0	18.0	62.0	**-1396G**
6.0	18.0	70.0	**-1396J**

Inch

Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025
3/32"	9/16"	1 11/16"	**-1400C**
1/8"	11/16"	1 15/16"	**-1400F**
5/32"	11/16"	2 5/32"	**-1400J**
3/16"	11/16"	2 7/16"	**-1400M**
1/4"	3/4"	2 3/4"	**-1400Q**

HSS Straight Shank Quick Spiral, Extra Length Vent Drills

QUICK SPIRAL

HSS

Sherwood HSS quick spiral extra length Vent drills are designed for drilling the initial vent hole in aluminium tyre moulds, and are also used in the tyre industry for clean-out work post production where the high helix and extra reach are ideal for the efficient evacuation of waste rubber. Manufactured to works standard. 118° point angle.



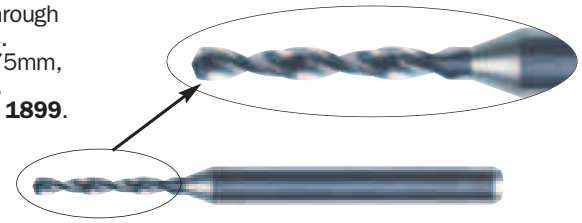
Metric

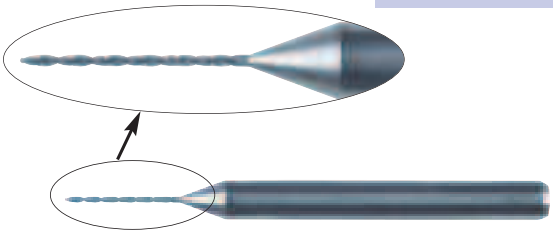
Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025
0.60	40.0	60.0	**-2180D**
0.70	40.0	76.0	**-2180H**
0.75	50.0	100.0	**-2181P**

Carbide Printed Circuit Board Drills

CARBIDE

Solid carbide printed circuit board drills.
Suitable for drilling through printed circuit boards.
Shank diameter 3.175mm,
38mm overall length.
Manufactured to **DIN 1899**.





Metric

Diameter (mm)	Flute Length	Order Code SHR-158
0.40	5.5	**-3004D**
0.45	5.5	**-3005E**
0.50	5.5	**-3006F**
0.55	7.0	**-3007G**
0.60	7.0	**-3008H**
0.65	7.0	**-3009J**
0.70	9.5	**-3010K**
0.75	9.5	**-3011L**
0.80	9.5	**-3012M**
0.85	9.5	**-3013N**
0.90	9.5	**-3014P**
0.95	9.5	**-3015Q**

Metric Continued

Diameter (mm)	Flute Length	Order Code SHR-158
1.00	10.5	**-3016R**
1.05	10.5	**-3017S**
1.10	10.5	**-3018T**
1.15	10.5	**-3019V**
1.20	10.5	**-3020W**
1.25	10.5	**-3021X**
1.30	10.5	**-3022Y**
1.35	10.5	**-3023Z**
1.40	10.5	**-3025A**
1.45	10.5	**-3026B**
1.50	10.0	**-3027C**

Drilling Stack Height Limits for Drilling PCB Materials

Includes allowance for entry, materials thickness, penetration into backing material, and flute/swarf clearance.

Drill Dia. (mm)	Suggested Drilling Stack Height Limits for Carbide PCB Drills		
	1 High	**2 High**	**3 High**
0.40	3.3	4.9	-
0.45	3.4	5.0	-
0.50	3.6	5.2	-
0.55	3.7	5.3	-
0.60	3.8	5.4	-
0.65	3.9	5.5	-
0.70	4.1	5.7	7.3
0.75	4.2	5.8	7.4
0.80	4.3	5.9	7.5
0.85	4.4	6.0	7.6
0.90	4.6	6.2	7.8
0.95	4.7	6.3	7.9
1.00	4.8	6.4	8.0
1.05	4.9	6.5	8.1
1.10	5.1	6.7	8.3
1.15	5.2	6.8	8.4
1.20	5.3	6.9	8.5
1.25	5.4	7.0	8.6
1.30	5.6	7.2	8.8
1.35	5.7	7.3	8.9
1.40	5.8	7.4	9.0
1.45	5.9	7.5	9.1
1.50	6.1	7.7	9.3



Feed & Speed Guidelines for Drilling PCB Materials

Values listed are for your guidance.
Drill parameters should be evaluated for different applications.

Drill Dia. (mm)	Cutting Speed 120m/min			Cutting Speed 150m/min			Cutting Speed 180m/min		
	Spindle RPM	Feed mm/rev	Feed m/min	Spindle RPM	Feed mm/rev	Feed m/min	Spindle RPM	Feed mm/rev	Feed m/min
0.40	95.000	0.024	2.3	119.000	0.024	2.9	143.000	0.024	3.4
0.45	85.000	0.027	2.3	106.000	0.027	2.9	127.000	0.027	3.4
0.50	76.000	0.030	2.3	95.000	0.030	2.9	115.000	0.030	3.4
0.55	70.000	0.033	2.3	87.500	0.033	2.9	405.000	0.033	3.4
0.60	64.000	0.036	2.3	80.000	0.036	2.9	95.000	0.036	3.4
0.65	59.500	0.039	2.3	74.000	0.039	2.9	88.500	0.039	3.4
0.70	55.000	0.042	2.3	68.000	0.042	2.9	82.000	0.042	3.4
0.75	51.500	0.045	2.3	64.000	0.045	2.9	77.000	0.045	3.4
0.80	48.000	0.048	2.3	60.000	0.048	2.9	72.000	0.048	3.4
0.85	45.000	0.051	2.3	56.500	0.051	2.9	68.000	0.051	3.4
0.90	42.000	0.054	2.3	53.000	0.054	2.9	64.000	0.054	3.4
0.95	40.000	0.057	2.3	50.500	0.057	2.9	60.500	0.057	3.4
1.00	38.000	0.060	2.3	48.000	0.060	2.9	57.000	0.060	3.4
1.05	36.500	0.063	2.3	45.500	0.063	2.9	54.500	0.063	3.4
1.10	35.000	0.066	2.3	43.000	0.066	2.9	52.000	0.066	3.4
1.15	33.500	0.069	2.3	41.500	0.069	2.9	50.000	0.069	3.4
1.20	32.000	0.072	2.3	40.000	0.072	2.9	48.000	0.072	3.4
1.25	30.500	0.075	2.3	38.500	0.075	2.9	46.000	0.075	3.4
1.30	29.000	0.078	2.3	37.000	0.078	2.9	44.000	0.078	3.4
1.35	28.000	0.081	2.3	35.500	0.081	2.9	42.500	0.081	3.4
1.40	27.000	0.084	2.3	34.000	0.084	2.9	41.000	0.084	3.4
1.45	26.000	0.087	2.3	33.000	0.087	2.9	39.500	0.087	3.4
1.50	25.000	0.090	2.3	32.000	0.090	2.9	38.000	0.090	3.4

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SWISS+TECH HSS TiN Tipped Centre Drills

HSS TiN-tip METRIC

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications.
TiN coating on working parts. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**



Metric

Diameter Body	Diameter Pilot	Pilot Length Min.	Pilot Length Max.	Overall Length	Order Code SWT-125
3.15	1.0	1.3	1.9	31.5	**-5142A**
4.00	1.60	2.0	2.8	35.5	**-5143A**
5.00	2.00	2.5	3.3	40.0	**-5144A**
6.30	2.50	3.1	4.1	45.0	**-5145A**
8.00	3.15	3.9	4.9	50.0	**-5146A**
10.00	4.00	5.0	6.2	56.0	**-5147A**
12.50	5.00	6.3	7.5	63.0	**-5148A**

HSS 5 Piece Metric Set

HSS TiN-tip

60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**
Sizes: 5 x 2mm, 6.3 x 2.5mm, 8 x 3.15mm 10 x 4mm and 12.5 x 5mm.



5 PIECES

Number of Pieces	Weight each	Order Code SWT-125
5	120g	**-5155A**

HSS TiN Tipped Centre Drills

HSS TiN-tip INCH

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. TiN coating on working parts. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**



Inch

Size	Diameter Body	Diameter Pilot	Pilot Length Min.	Pilot Length Max.	Overall Length	Order Code SWT-125
BS1	1/8"	3/64"	1/16"	5/64"	1½"	**-5133A**
BS2	3/16"	1/16"	5/64"	3/32"	1¾"	**-5134A**
BS3	1/4"	3/32"	1/8"	5/32"	2"	**-5135A**
BS4	5/16"	1/8"	5/32"	3/16"	2¼"	**-5136A**
BS5	7/16"	3/16"	1/4"	9/32"	2½"	**-5137A**

HSS TiN Tipped BS Set

HSS TiN-tip

HSS TiN Tipped Centre Drills
Designed with spiral flutes and various lengths and forms to give high quality centre holes.
TiN coating on working parts.
60° inclusive angle.
Manufactured to
BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.
Sizes: BS1, BS2, BS3, BS4 and BS5.



5 PIECES

Number of Pieces	Weight each	Order Code SWT-125
5	114g	**-5140A**

SHERWOOD QUALITY CUTTING TOOLS HSS Centre Drills

HSS METRIC

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**



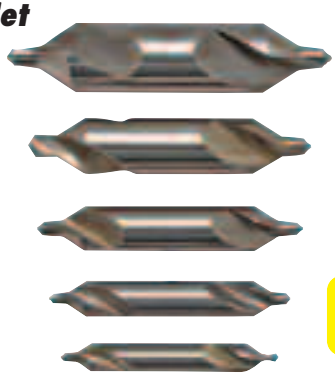
C100 Series - Metric

Diameter Body	Diameter Pilot	Pilot Length Min.	Pilot Length Max.	Overall Length	Weight each	Order Code SHR-025
3.15	0.80	1.1	1.5	31.5	2g	**-1843X**
3.15	1.00	1.3	1.9	31.5	2g	**-1844A**
3.15	1.25	1.6	2.2	31.5	3g	**-1845B**
4.00	1.60	2.0	2.8	35.5	3g	**-1846C**
5.00	2.00	2.5	3.3	40.0	5g	**-1847D**
6.30	2.50	3.1	4.1	45.0	9g	**-1848E**
8.00	3.15	3.9	4.9	50.0	7g	**-1849F**
10.00	4.00	5.0	6.2	56.0	28g	**-1850G**
12.50	5.00	6.3	7.5	63.0	45g	**-1851H**
16.00	6.30	8.0	9.2	71.0	71g	**-1852J**
20.00	8.00	10.0	11.5	83.0	102g	**-1852M**
25.00	10.00	12.8	14.2	103.0	197g	**-1852N**

HSS 5 Piece Metric Set

HSS

60° inclusive angle.
Manufactured to
BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.
Sizes: 5 x 2mm, 6.3 x 2.5mm, 8 x 3.15mm 10 x 4mm and 12.5 x 5mm.



5 PIECES

Number of Pieces	Weight each	Order Code SHR-025
5	120g	**-9150K**

HSS Centre Drills

HSS INCH

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**



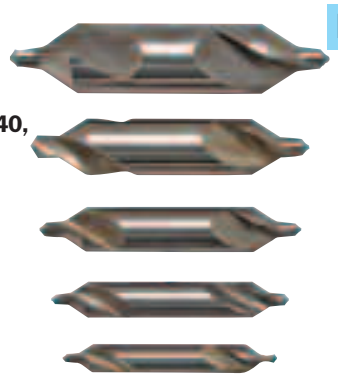
C100 Series - Inch

Size	Diameter Body	Diameter Pilot	Pilot Length Min.	Pilot Length Max.	Overall Length	Order Code SHR-025
BS00	1/8"	0.025"	0.025"	0.030"	1⅛"	**-1827L**
BS0	1/8"	1/32"	3/64"	1/16"	1¼"	**-1828M**
BS1	1/8"	3/64"	1/16"	5/64"	1½"	**-1829A**
BS2	3/16"	1/16"	5/64"	3/32"	1¾"	**-1830B**
BS3	1/4"	3/32"	1/8"	5/32"	2"	**-1831C**
BS4	5/16"	1/8"	5/32"	3/16"	2¼"	**-1832D**
BS5	7/16"	3/16"	1/4"	9/32"	2½"	**-1833E**
BS6	5/8"	1/4"	5/16"	3/8"	3"	**-1835G**
BS7	3/4"	5/16"	13/32"	15/32"	3½"	**-1836H**

HSS 5 Piece BS Set

HSS

60° inclusive angle.
Manufactured to
BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.
Sizes: BS1, BS2, BS3, BS4 and BS5.



5 PIECES

Number of Pieces	Weight each	Order Code SHR-025
5	114g	**-9160K**

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SHERWOOD QUALITY CUTTING TOOLS — HSS Extra Length Centre Drills

HSS

Ground flute, for drilling centre holes on components prior to machining. Extra length drills particularly useful for drilling centre holes in recesses. Manufactured to **BS 328 : Part 1 : 1986, DIN333A : ISO 86, ISO2540, ISO2541**.



Metric

Diameter (mm) Body	Diameter (mm) Point	Overall Length	Weight each	Order Code SHR-024
4.00	1.00	120	19g	**-1866H**
5.00	1.60	120	25g	**-1866K**
6.00	2.00	120	31g	**-1866N**
8.00	2.50	120	49g	**-1866R**
10.00	3.15	120	69g	**-1866W**
12.50	5.00	120	86g	**-1866X**

Inch

Size	Diameter Body	Diameter Pilot	Overall Length	Order Code SHR-024
BS1	1/8"	3/64"	4"	**-1881A**
BS2	3/16"	1/16"	4"	**-1882B**
BS3	1/4"	3/32"	4"	**-1883C**
BS4	5/16"	1/8"	4"	**-1884D**
BS5	7/16"	3/16"	4"	**-1885E**

HSS Bell Type Centre Drills

HSS

Manufactured to **BS 328 : Part 2 : 1986, DIN 333, ISO 2540**.



Metric

Diameter Body	Diameter Pilot	Overall Length	Order Code SHR-024
4.00	1.00	35.5	**-1861K**
5.00	1.25	40.0	**-1861L**
6.30	1.60	45.0	**-1861N**
8.00	2.00	50.0	**-1861P**
10.00	2.50	56.0	**-1861Q**
11.20	3.15	60.0	**-1861R**
14.00	4.00	67.0	**-1861S**
18.00	5.00	75.0	**-1861T**

Inch

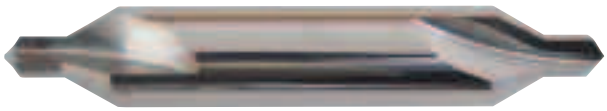
Size	Diameter Body	Diameter Pilot	Overall Length	Order Code SHR-024
BS1B	1/8"	3/64"	1 1/2"	**-1853A**
BS2B	3/16"	1/16"	1 3/4"	**-1854B**
BS3B	1/4"	3/32"	2"	**-1855C**
BS4B	5/16"	1/8"	2 1/4"	**-1856D**
BS5B	7/16"	5/32"	2 1/2"	**-1858F**

Carbide Centre Drills

CARBIDE

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult materials may be drilled.
60° included angle. 118° drill point.
Manufactured to **BS 328**.

Tolerances
Cutting Diameter +0.0005"
Shank Diameter +0.0010"



Inch

Size	Diameter Body	Diameter Drill	Overall Length	Weight each	Order Code SHR-158
BS1	1/8"	3/64"	1 1/2"	10g	**-8010K**
BS2	3/16"	5/64"	1 7/8"	10g	**-8020K**
BS3	1/4"	7/64"	2"	20g	**-8030K**
BS4	5/16"	1/8"	2 1/8"	30g	**-8040K**
BS5	7/16"	3/16"	2 3/4"	70g	**-8050K**
BS6	1/2"	7/32"	3"	90g	**-8060K**

Metric

Diameter Body	Diameter Pilot	Pilot Length Min.	Pilot Length Max.	Overall Length	Weight each	Order Code SHR-158
4.00	1.60	2.0	2.8	35.5	3g	**-8110K**
5.00	2.00	2.5	3.3	40.0	5g	**-8120K**
6.30	2.50	3.1	4.1	45.0	9g	**-8130K**
8.00	3.15	3.9	4.9	50.0	7g	**-8140K**
10.00	4.00	5.0	6.2	56.0	28g	**-8150K**
12.50	5.00	6.3	7.5	63.0	45g	**-8160K**
16.00	6.30	8.0	9.2	71.0	123g	**-8180K**

KENNEDY QUALITY INDUSTRIAL TOOLING — Carbide Centre Drills

CARBIDE

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult materials may be drilled. 60° included angle. 118° drill point.
Manufactured to **BS 328**.

Tolerances
Cutting Diameter +0.0005"
Shank Diameter +0.0010"



Inch

Size	Diameter Body	Diameter Drill	Overall Length	Weight each	Order Code KEN-158
BS1	1/8"	3/64"	1 1/2"	10g	**-9010K**
BS2	3/16"	5/64"	1 7/8"	10g	**-9020K**
BS3	1/4"	7/64"	2"	20g	**-9030K**
BS4	5/16"	1/8"	2 1/8"	30g	**-9040K**
BS5	7/16"	3/16"	2 3/4"	70g	**-9050K**
BS6	1/2"	7/32"	3"	90g	**-9060K**

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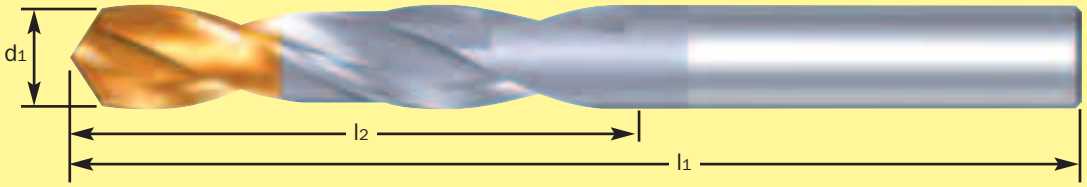
GROUP
025 STUB DRILLS

Dimensions - Stub Drills to BS 328 / DIN 1897

The majority of stub drills feature in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them listed accordingly in the tables for those products.



BS 328
DIN 1897

d1 mm h8	Inch	Inch Dec.	l2 mm	l1 mm
0.50		0.0196	3.0	20.0
0.60		0.0236	3.5	21.0
0.70		0.0275	4.5	23.0
0.79	1/32	0.0312	5.0	24.0
0.80		0.0314	5.0	24.0
0.90		0.0354	5.5	25.0
1.00		0.0393	6.0	26.0
1.10		0.0433	7.0	28.0
1.19	3/64	0.0468	8.0	30.0
1.20		0.0472	8.0	30.0
1.30		0.0511	8.0	30.0
1.40		0.0551	9.0	32.0
1.50		0.0590	9.0	32.0
1.59	1/16	0.0625	10.0	34.0
1.60		0.0629	10.0	34.0
1.70		0.0669	10.0	34.0
1.80		0.0708	11.0	36.0
1.90		0.0748	11.0	36.0
1.98	5/64	0.0779	12.0	38.0
2.00		0.0787	12.0	38.0
2.10		0.0826	12.0	38.0
2.20		0.0866	13.0	40.0
2.25		0.0885	13.0	40.0
2.30		0.0905	13.0	40.0
2.38	3/32	0.0937	14.0	43.0
2.40		0.0944	14.0	43.0
2.50		0.0984	14.0	43.0
2.60		0.1023	14.0	43.0
2.65		0.1043	14.0	43.0
2.70		0.1062	16.0	46.0
2.78	7/64	0.1094	16.0	46.0
2.80		0.1102	16.0	46.0
2.90		0.1141	16.0	46.0
3.00		0.1181	16.0	46.0
3.10		0.1220	18.0	49.0
3.18	1/8	0.1251	18.0	49.0
3.20		0.1259	18.0	49.0
3.25		0.1279	18.0	49.0
3.30		0.1299	18.0	49.0
3.40		0.1338	20.0	52.0
3.50		0.1377	20.0	52.0
3.57	9/64	0.1405	20.0	52.0
3.60		0.1417	20.0	52.0
3.70		0.1456	20.0	52.0

d1 mm h8	Inch	Inch Dec.	l2 mm	l1 mm
3.80		0.1496	22.0	55.0
3.90		0.1535	22.0	55.0
3.97	5/32	0.1562	22.0	55.0
4.00		0.1574	22.0	55.0
4.10		0.1614	22.0	55.0
4.20		0.1653	22.0	55.0
4.30		0.1692	24.0	58.0
4.37	11/64	0.1720	24.0	58.0
4.40		0.1732	24.0	58.0
4.50		0.1771	24.0	58.0
4.60		0.1811	24.0	58.0
4.70		0.1850	24.0	58.0
4.76	3/16	0.1874	26.0	62.0
4.80		0.1889	26.0	62.0
4.90		0.1929	26.0	62.0
5.00		0.1968	26.0	62.0
5.10		0.2007	26.0	62.0
5.16	13/64	0.2031	26.0	62.0
5.20		0.2047	26.0	62.0
5.30		0.2086	26.0	62.0
5.40		0.2125	28.0	66.0
5.50		0.2165	28.0	66.0
5.56	7/32	0.2188	28.0	66.0
5.60		0.2204	28.0	66.0
5.70		0.2244	28.0	66.0
5.80		0.2283	28.0	66.0
5.90		0.2322	28.0	66.0
5.95	15/64	0.2342	28.0	66.0
6.00		0.2362	28.0	66.0
6.10		0.2401	31.0	70.0
6.20		0.2440	31.0	70.0
6.30		0.2480	31.0	70.0
6.35	1/4	0.2500	31.0	70.0
6.40		0.2519	31.0	70.0
6.50		0.2559	31.0	70.0
6.60		0.2598	31.0	70.0
6.70		0.2637	31.0	70.0
6.80		0.2677	34.0	74.0
6.90		0.2716	34.0	74.0
7.00		0.2755	34.0	74.0
7.10		0.2795	34.0	74.0
7.14	9/32	0.2811	34.0	74.0
7.20		0.2834	34.0	74.0
7.30		0.2874	34.0	74.0

d1 mm h8	Inch	Inch Dec.	l2 mm	l1 mm
7.40		0.2913	34.0	74.0
7.50		0.2952	34.0	74.0
7.60		0.2992	37.0	79.0
7.70		0.3031	37.0	79.0
7.80		0.3070	37.0	79.0
7.90		0.3110	37.0	79.0
7.94	5/16	0.3125	37.0	79.0
8.00		0.3149	37.0	79.0
8.10		0.3188	37.0	79.0
8.20		0.3228	37.0	79.0
8.30		0.3267	37.0	79.0
8.40		0.3307	37.0	79.0
8.50		0.3346	37.0	79.0
8.60		0.3385	40.0	84.0
8.70		0.3425	40.0	84.0
8.73	11/32	0.3437	40.0	84.0
8.80		0.3464	40.0	84.0
8.90		0.3503	40.0	84.0
9.00		0.3543	40.0	84.0
9.10		0.3582	40.0	84.0
9.20		0.3622	40.0	84.0
9.30		0.3661	40.0	84.0
9.40		0.3700	40.0	84.0
9.50		0.3740	40.0	84.0
9.53	3/8	0.3751	43.0	89.0
9.60		0.3779	43.0	89.0
9.70		0.3818	43.0	89.0
9.80		0.3858	43.0	89.0
9.90		0.3897	43.0	89.0
10.00		0.3937	43.0	89.0
10.10		0.3976	43.0	89.0
10.20		0.4015	43.0	89.0
10.30		0.4055	43.0	89.0
10.32	13/32	0.4062	43.0	89.0
10.40		0.4094	43.0	89.0
10.50		0.4133	43.0	89.0
10.60		0.4173	43.0	89.0
10.70		0.4212	47.0	95.0
10.80		0.4251	47.0	95.0
10.90		0.4291	47.0	95.0
11.00		0.4330	47.0	95.0
11.10		0.4370	47.0	95.0
11.11	7/16	0.4374	47.0	95.0
11.20		0.4409	47.0	95.0

d1 mm h8	Inch	Inch Dec.	l2 mm	l1 mm
11.30		0.4448	47.0	95.0
11.50		0.4527	47.0	95.0
11.60		0.4566	47.0	95.0
11.70		0.4606	47.0	95.0
11.80		0.4645	47.0	95.0
11.90		0.4685	51.0	102.0
12.00		0.4724	51.0	102.0
12.10		0.4763	51.0	102.0
12.20		0.4803	51.0	102.0
12.50		0.4921	51.0	102.0
12.70	1/2	0.5000	51.0	102.0
13.00		0.5118	51.0	102.0
13.50		0.5314	54.0	107.0
14.00		0.5511	54.0	107.0
14.29	9/16	0.5625	56.0	111.0
14.50		0.5708	56.0	111.0
15.00		0.5905	56.0	111.0
15.50		0.6102	58.0	115.0
15.88	5/8	0.6251	58.0	115.0
16.00		0.6299	58.0	115.0
16.50		0.6496	60.0	119.0
17.00		0.6692	60.0	119.0
17.46	11/16	0.6874	62.0	123.0
17.50		0.6889	62.0	123.0
18.00		0.7086	62.0	123.0
18.50		0.7283	64.0	127.0
19.00		0.7480	64.0	127.0
19.05	3/4	0.7500	66.0	131.0
19.50		0.7677	66.0	131.0
20.00		0.7874	66.0	131.0
20.50		0.8070	68.0	136.0
20.64	13/16	0.8125	68.0	136.0
21.00		0.8267	68.0	136.0
22.00		0.8661	70.0	141.0
22.23	7/8	0.8751	70.0	141.0
23.00		0.9055	72.0	146.0
23.81	15/16	0.9374	75.0	151.0
24.00		0.9448	75.0	151.0
25.00		0.9842	75.0	151.0
25.40	1"	1.0000	78.0	156.0
26.99	1 1/16	1.0625	81.0	162.0
28.58	1 1/8	1.1251	84.0	168.0
30.16	1 3/16	1.1874	87.0	174.0
31.75	1 1/4	1.2500	90.0	180.0

FREE

SHERWOOD QUALITY CUTTING TOOLS

Metric/Inch Conversion Wall Chart
(A2 Size)

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CAT-849-0937A

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Tapping Drill Wall Chart
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HSS General Purpose Stub Drills

HSS

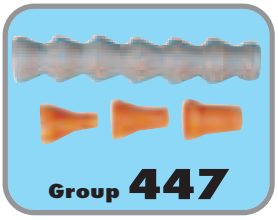
General purpose drills for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328: Part 1: 1986/DIN 1897**.



DIN 1897 BS 328 For Dimensions See Page 28

Series S100 - Metric

Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025
	PRICED PER 10		PRICED PER 10		PRICED PER 10		PRICED PER 1
1.00	-1227H	4.60	-1273H	8.00	-1307V	13.50	-1359B
1.50	-1233P	4.80	-1275K	8.10	-1308W	14.00	-1361D
1.80	-1236S	4.90	-1276L	8.20	-1309X	14.50	-1362E
2.00	-1240X	5.00	-1277M	8.40	-1311N	14.80	-1362R
2.10	-1242N	5.10	-1278N	8.50	-1312A	15.00	-1363F
2.20	-1243A	5.20	-1279P	8.60	-1313B	15.50	-1364G
2.30	-1245C	5.30	-1280Q	8.70	-1314C	16.00	-1365H
2.40	-1246D	5.40	-1281R	8.80	-1315D	16.50	-1366J
2.50	-1248F	5.50	-1282S	8.90	-1316E	17.00	-1367K
2.60	-1250H	5.60	-1283T	9.00	-1317F	17.50	-1368L
2.70	-1252K	5.80	-1285W	9.10	-1318G	18.00	-1369M
2.80	-1253L	5.90	-1286X	9.20	-1319H	18.50	-1370N
2.90	-1255N	6.00	-1287Y	9.40	-1321K	19.00	-1371P
3.00	-1257Q	6.10	-1288N	9.50	-1322L	19.50	-1372Q
3.10	-1258R	6.20	-1289A	9.60	-1323M	20.00	-1373R
3.20	-1259S	6.30	-1290B	9.70	-1324N	21.00	-1374S
3.30	-1260T	6.40	-1291C	9.80	-1325P	22.00	-1375T
3.40	-1261V	6.50	-1292D	10.00	-1327R		
3.50	-1262W	6.70	-1294F	10.10	-1328S		
3.60	-1263X	6.80	-1295G	10.20	-1329T		
3.70	-1264Y	6.90	-1296H	10.30	-1330V		
3.80	-1265N	7.00	-1297J	10.50	-1332X		
3.90	-1266A	7.10	-1298K	10.80	-1335A		
4.00	-1267B	7.20	-1299L	11.00	-1337C		
4.10	-1268C	7.30	-1300M	11.50	-1342H		
4.20	-1269D	7.40	-1301N	12.00	-1347N		
4.30	-1270E	7.50	-1302P	12.50	-1352T		
4.40	-1271F	7.60	-1303Q	13.00	-1357N		
4.50	-1272G	7.80	-1305S				





DIN 1897 BS 328 For Dimensions See Page 28

Series S100 - Inch

Dia. (inch)	Order Code SHR-025	Dia. (inch)	Order Code SHR-025	Dia. (inch)	Order Code SHR-025	Dia. (inch)	Order Code SHR-025
	PRICED PER 10		PRICED PER 10		PRICED PER 10		PRICED PER 1
1/16"	-1194C	11/64"	-1194K	5/16"	-1194V	33/64"	-1195J
3/32"	-1194E	3/16"	-1194L	11/32"	-1194X	9/16"	-1195M
1/8"	-1194G	13/64"	-1194M	3/8"	-1194Z	5/8"	-1195R
9/64"	-1194H	7/32"	-1194N	7/16"	-1195D	3/4"	-1196A
5/32"	-1194J	1/4"	-1194Q	1/2"	-1195H		

HSS General Purpose Stub Drills - Bright Finish

HSS

General purpose drills for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328: Part 1: 1986/DIN 1897**.



DIN 1897 BS 328 For Dimensions See Page 28

Metric

Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025	Dia. (mm)	Order Code SHR-025
2.00	-1170D	3.30	-1170W	5.00	-1171V	12.00	-1177M
2.50	-1170L	3.50	-1170Z	6.00	-1172K		
3.00	-1170R	4.00	-1171E	8.00	-1173Z		
3.20	-1170T	4.20	-1171H	10.00	-1175K		

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SWISS+TECH HSS TiN Coated Stub Drills

HSS TiN

General purpose drill for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. TiN coating provides longer tool life or increased cutting speeds. Point angle: 135°, helix angle: normal, web thickness: normal, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328, DIN 1897 RN**.

DIN 1897 BS 328 For Dimensions See Page 28



DIN 1412C 135°

Series 2001 Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
2.50	**-2025A**	4.20	**-2042A**	6.80	**-2068A**	12.00	**-2120A**
3.00	**-2030A**	5.00	**-2050A**	8.00	**-2080A**	13.00	**-2130A**
3.20	**-2032A**	5.20	**-2052A**	8.50	**-2085A**		
4.00	**-2040A**	6.50	**-2065A**	9.00	**-2090A**		

HSS-Co Heavy Duty Cobalt Stub Drills

HSS-Co

Heavy duty drill made of cobalt material with excellent heat resistance. For drilling steels up to 1,400N/mm², stainless steel, heat resistant steels and bronze. Ideally suited for volume production on automatics. Point angle: 135°, helix angle: normal, web thickness: strengthened, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328, DIN 1897RN**. Point to **DIN 1412C**.

DIN 1897 BS 328 For Dimensions See Page 28



DIN 1412C 135°

Series 2010 Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
1.00	**-2210A**	2.90	**-2229A**	4.80	**-2248A**	7.80	**-2278A**
1.20	**-2212A**	3.00	**-2230A**	4.90	**-2249A**	8.00	**-2280A**
1.30	**-2213A**	3.10	**-2231A**	5.00	**-2250A**	8.20	**-2282A**
1.60	**-2216A**	3.20	**-2232A**	5.20	**-2252A**	8.40	**-2284A**
1.70	**-2217A**	3.30	**-2233A**	5.50	**-2255A**	8.50	**-2285A**
1.80	**-2218A**	3.40	**-2234A**	6.00	**-2260A**	9.00	**-2290A**
2.10	**-2221A**	3.50	**-2235A**	6.20	**-2262A**	9.50	**-2295A**
2.30	**-2223A**	3.70	**-2237A**	6.40	**-2264A**	10.00	**-2300A**
2.40	**-2224A**	4.00	**-2240A**	6.50	**-2265A**	10.20	**-2302A**
2.50	**-2225A**	4.10	**-2241A**	6.80	**-2268A**	10.50	**-2305A**
2.60	**-2226A**	4.20	**-2242A**	7.00	**-2270A**	11.00	**-2310A**
2.70	**-2227A**	4.30	**-2243A**	7.50	**-2275A**	12.00	**-2320A**
2.80	**-2228A**	4.50	**-2245A**	7.70	**-2277A**	13.00	**-2330A**

HSS-Co TiN Coated Heavy Duty Stub Drills

HSS-Co TiN

Heavy duty drill made of cobalt material with excellent heat resistance. For drilling steels up to 1,400N/mm², stainless steel, heat resistant steels and bronze. Ideally suited for volume production on automatics. TiN coating provides longer tool life or increased cutting speeds.
Point angle: 135°, helix angle: normal, web thickness: strengthened, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328, DIN 1897RN**. Point to **DIN 1412C**.

DIN 1897 BS 328 For Dimensions See Page 28



DIN 1412C 135°

Series 2020 Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
1.50	**-2415A**	3.30	**-2433A**	5.10	**-2451A**	8.00	**-2480A**
1.60	**-2416A**	3.50	**-2435A**	5.20	**-2452A**	8.50	**-2485A**
2.00	**-2420A**	4.00	**-2440A**	5.50	**-2455A**	10.00	**-2500A**
2.20	**-2422A**	4.10	**-2441A**	6.00	**-2460A**	10.20	**-2502A**
2.40	**-2424A**	4.20	**-2442A**	6.10	**-2461A**	11.00	**-2510A**
2.50	**-2425A**	4.40	**-2444A**	6.20	**-2462A**	12.00	**-2520A**
2.60	**-2426A**	4.50	**-2445A**	6.50	**-2465A**	13.00	**-2530A**
3.00	**-2430A**	4.80	**-2448A**	6.80	**-2468A**		
3.20	**-2432A**	5.00	**-2450A**	7.00	**-2470A**		

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KENNEDY Solid Carbide Stub Drills

CARBIDE

For drilling into steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous materials and abrasive plastic.
Point angle: 118°, helix angle: 30°, tolerance of diameter: h7, tolerance of shank: h6.
Manufactured to **DIN 6539**.



Metric

Dia. (mm)	Flute Length	Overall Length	Order Code KEN-158
1.00	6.0	26.0	-3100K
1.10	6.0	26.0	-3110K
1.20	8.0	30.0	-3120K
1.30	8.0	30.0	-3130K
1.40	9.0	32.0	-3140K
1.50	9.0	32.0	-3150K
1.60	10.0	34.0	-3160K
1.70	10.0	34.0	-3170K
1.80	11.0	36.0	-3180K
2.00	12.0	38.0	-3200K
2.20	13.0	40.0	-3220K
2.40	14.0	43.0	-3240K
2.50	14.0	43.0	-3250K
2.60	14.0	43.0	-3260K
2.70	16.0	46.0	-3270K
2.80	16.0	46.0	-3280K
2.90	16.0	46.0	-3290K
3.00	16.0	46.0	-3300K
3.10	18.0	49.0	-3310K
3.20	18.0	49.0	-3320K
3.30	18.0	49.0	-3330K
3.50	20.0	52.0	-3350K
3.60	20.0	52.0	-3360K
3.70	20.0	52.0	-3370K
3.80	22.0	55.0	-3380K
3.90	22.0	55.0	-3390K
4.00	22.0	55.0	-3400K
4.10	22.0	55.0	-3410K
4.20	22.0	55.0	-3420K
4.40	24.0	58.0	-3440K
4.50	24.0	58.0	-3450K
5.00	26.0	62.0	-3500K
5.10	26.0	62.0	-3510K
5.20	26.0	62.0	-3520K
5.50	28.0	66.0	-3550K
6.00	28.0	66.0	-3600K
7.00	34.0	74.0	-3700K
8.00	37.0	79.0	-3800K
8.50	37.0	79.0	-3850K
9.00	40.0	84.0	-3900K
10.00	43.0	89.0	-4100K

SHERWOOD Solid Carbide Stub Drills

CARBIDE

For drilling into steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous materials and abrasive plastic.
Point angle: 118°, helix angle: 30°,
tolerance of diameter: h7,
tolerance of shank: h6.
Manufactured to **Works Standard**.



Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-158
1.0	11.0	30.0	-3100K
1.1	11.0	30.0	-3110K
1.2	13.0	30.0	-3120K
1.3	13.0	30.0	-3130K
1.4	13.0	30.0	-3140K
1.5	13.0	30.0	-3150K
1.6	17.5	40.0	-3160K
1.7	17.5	40.0	-3170K
1.8	17.5	40.0	-3180K
1.9	17.5	40.0	-3190K
2.0	17.5	40.0	-3200K
2.1	17.5	40.0	-3210K
2.2	17.5	40.0	-3220K
2.3	17.5	40.0	-3230K
2.4	17.5	40.0	-3240K
2.5	17.5	40.0	-3250K
2.6	20.0	45.0	-3260K
2.7	20.0	45.0	-3270K
2.8	20.0	45.0	-3280K
2.9	20.0	45.0	-3290K
3.0	20.0	45.0	-3300K
3.1	22.0	50.0	-3310K
3.2	22.0	50.0	-3320K
3.3	22.0	50.0	-3330K
3.4	22.0	50.0	-3340K
3.5	22.0	50.0	-3350K
3.6	22.0	50.0	-3360K
3.7	22.0	50.0	-3370K
3.8	22.0	50.0	-3380K
3.9	22.0	50.0	-3390K
4.0	22.0	50.0	-3400K
4.1	25.0	50.0	-3410K
4.2	25.0	50.0	-3420K
4.3	25.0	50.0	-3430K
4.4	25.0	50.0	-3440K
4.5	25.0	50.0	-3450K
4.6	25.0	50.0	-3460K
4.7	25.0	50.0	-3470K
4.8	25.0	50.0	-3480K
4.9	25.0	50.0	-3490K
5.0	25.0	50.0	-3500K
5.1	25.0	50.0	-3510K
5.2	25.0	50.0	-3520K
5.3	25.0	50.0	-3530K
5.4	25.0	50.0	-3540K
5.5	25.0	50.0	-3550K
5.6	25.0	50.0	-3560K
5.7	25.0	50.0	-3570K
5.8	25.0	50.0	-3580K
5.9	25.0	50.0	-3590K
6.0	25.0	50.0	-3600K
6.1	30.0	65.0	-3610K
6.2	30.0	65.0	-3620K
6.3	30.0	65.0	-3630K
6.5	30.0	65.0	-3650K
6.8	30.0	65.0	-3680K
7.0	30.0	65.0	-3700K
7.5	34.0	70.0	-3750K
8.0	34.0	70.0	-3800K
8.1	34.0	70.0	-3810K
8.2	34.0	70.0	-3820K
8.5	34.0	70.0	-3850K
8.7	34.0	75.0	-3870K
9.0	34.0	75.0	-3900K
9.2	34.0	75.0	-3920K
9.5	34.0	75.0	-3950K
10.0	34.0	75.0	-4100K
10.2	50.0	100.0	-4102K
10.5	50.0	100.0	-4105K
11.0	50.0	100.0	-4110K
12.0	50.0	100.0	-4120K
13.0	60.0	107.0	-4130K
14.0	60.0	107.0	-4140K
15.0	65.0	115.0	-4150K
16.0	65.0	115.0	-4160K
17.0	73.0	123.0	-4170K
18.0	73.0	123.0	-4180K
20.0	79.0	131.0	-4200K

Solid Carbide Screw Drills

CARBIDE

Primarily designed for removing broken taps or bolts without damaging the component surface. By drilling the core of a tap it is possible to remove the remaining pieces with a scriber. Screw drills are also suitable for drilling other hard materials including: hardened steels, glass, stellite etc. Select screw drill as per tap diameter. Steady manual feed component and spindle stability are vital. Drills should be running between 1500 and 3500 revs/min. A steady and continuous manual feed should be applied. No cutting fluid required.

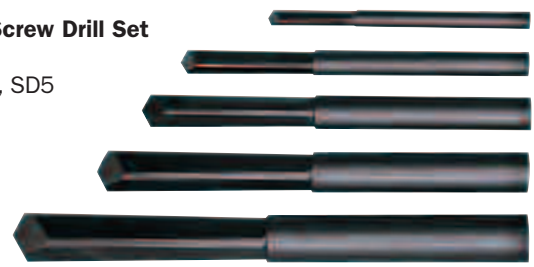


*or inch equivalent

Type	Size	Weight each	Order Code KEN-154
SD2	2mm for M3*	10g	-1020K
SD3	3mm for M4 - M5*	10g	-1030K
SD4	4mm for M6 - M7*	20g	-1040K
SD5	5mm for M8 - M10*	30g	-1050K
SD6	6mm for M10 - M12*	30g	-1060K

Solid Carbide Screw Drill Set

Contents:
SD2, SD3, SD4, SD5 and SD6.



5 PIECES

Number of Pieces	Weight per set	Order Code KEN-154
5	80g	-1100K

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Dimensions - Jobber Drills to BS 328/DIN 338

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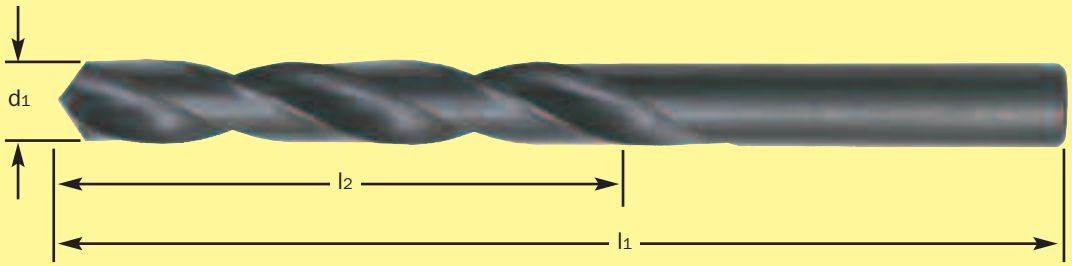

BS 328
DIN 338

d1 mm h8	No/ Letter	Inch Dec.	l2 mm	l1 mm
0.20		0.0078	2.5	19.0
0.25		0.0098	3.0	19.0
0.30		0.0118	3.0	19.0
0.32		0.0125	4.0	19.0
0.34	80	0.0133	4.0	19.0
0.35		0.0137	4.0	19.0
0.37	79	0.0145	4.0	19.0
0.38		0.0149	4.0	19.0
0.40	1/64	0.0157	5.0	20.0
0.40		0.0157	5.0	20.0
0.41	78	0.0161	5.0	20.0
0.42		0.0165	5.0	20.0
0.45		0.0177	5.0	20.0
0.46	77	0.0181	5.0	20.0
0.48		0.0188	5.0	20.0
0.50		0.0196	6.0	22.0
0.51	76	0.0200	6.0	22.0
0.52		0.0204	6.0	22.0
0.53	75	0.0208	6.0	22.0
0.55		0.0216	7.0	24.0
0.57	74	0.0224	7.0	24.0
0.58		0.0228	7.0	24.0
0.60		0.0236	7.0	24.0
0.61	73	0.0240	8.0	26.0
0.62		0.0244	8.0	26.0
0.64	72	0.0251	8.0	26.0
0.65		0.0255	8.0	26.0
0.66	71	0.0259	8.0	26.0
0.68		0.0267	9.0	28.0
0.70		0.0275	9.0	28.0
0.71	70	0.0279	9.0	28.0
0.72		0.0283	9.0	28.0
0.74	69	0.0291	9.0	28.0
0.75		0.0295	9.0	28.0
0.78		0.0307	10.0	30.0
0.79	1/32	0.0311	10.0	30.0
0.79	68	0.0311	10.0	30.0
0.80		0.0314	10.0	30.0
0.81	67	0.0318	10.0	30.0
0.82		0.0322	10.0	30.0
0.84	66	0.0330	10.0	30.0
0.85		0.0334	10.0	30.0
0.88		0.0346	11.0	32.0
0.89	65	0.0350	11.0	32.0
0.90		0.0354	11.0	32.0
0.91	64	0.0358	11.0	32.0
0.92		0.0362	11.0	32.0
0.94	63	0.0370	11.0	32.0
0.95		0.0374	11.0	32.0
0.97	62	0.0381	12.0	34.0
0.98		0.0385	12.0	34.0
0.99	61	0.0389	12.0	34.0
1.00		0.0393	12.0	34.0
1.02	60	0.0401	12.0	34.0
1.04	59	0.0409	12.0	34.0
1.05		0.0413	12.0	34.0
1.07	58	0.0421	14.0	36.0
1.09	57	0.0429	14.0	36.0
1.10		0.0433	14.0	36.0
1.15		0.0452	14.0	36.0
1.18	56	0.0464	14.0	36.0
1.19	3/64	0.0468	16.0	38.0
1.20		0.0472	16.0	38.0
1.25		0.0492	16.0	38.0
1.30		0.0511	16.0	38.0
1.32	55	0.0519	16.0	38.0
1.35		0.0531	18.0	40.0
1.40		0.0551	18.0	40.0
1.40	54	0.0551	18.0	40.0
1.45		0.0570	18.0	40.0
1.50		0.0590	18.0	40.0
1.51	53	0.0594	20.0	43.0
1.55		0.0610	20.0	43.0
1.59	1/16	0.0625	20.0	43.0
1.60		0.0629	20.0	43.0
1.61	52	0.0633	20.0	43.0
1.65		0.0649	20.0	43.0
1.70		0.0669	20.0	43.0
1.70	51	0.0669	22.0	46.0
1.75		0.0688	22.0	46.0
1.78	50	0.0700	22.0	46.0
1.80		0.0708	22.0	46.0
1.85		0.0728	22.0	46.0
1.85	49	0.0728	22.0	46.0
1.90		0.0748	22.0	46.0
1.93	48	0.0759	24.0	49.0
1.95		0.0767	24.0	49.0
1.98	5/64	0.0779	24.0	49.0
1.99	47	0.0783	24.0	49.0
2.00		0.0787	24.0	49.0
2.05		0.0807	24.0	49.0
2.06	46	0.0811	24.0	49.0
2.08	45	0.0818	24.0	49.0
2.10		0.0826	24.0	49.0
2.15		0.0846	27.0	53.0
2.18	44	0.0858	27.0	53.0
2.20		0.0866	27.0	53.0
2.25		0.0885	27.0	53.0
2.26	43	0.0889	27.0	53.0
2.30		0.0905	27.0	53.0
2.35		0.0925	27.0	53.0
2.38	3/32	0.0937	30.0	57.0
2.38	42	0.0937	30.0	57.0
2.40		0.0944	30.0	57.0
2.44	41	0.0960	30.0	57.0
2.45		0.0964	30.0	57.0
2.49	40	0.098	30.0	57.0
2.50		0.0984	30.0	57.0
2.53	39	0.0996	30.0	57.0
2.55		0.1003	30.0	57.0
2.58	38	0.1015	30.0	57.0
2.60		0.1023	30.0	57.0
2.64	37	0.1039	30.0	57.0
2.65		0.1043	30.0	57.0
2.70		0.1062	33.0	61.0
2.71	36	0.1066	33.0	61.0
2.75		0.1082	33.0	61.0
2.78	7/64	0.1094	33.0	61.0
2.79	35	0.1098	33.0	61.0
2.80		0.1102	33.0	61.0
2.82	34	0.1110	33.0	61.0
2.85		0.1122	33.0	61.0
2.87	33	0.1129	33.0	61.0
2.90		0.1141	33.0	61.0
2.95		0.1161	33.0	61.0
2.95	32	0.1161	33.0	61.0
3.00		0.1181	33.0	61.0
3.05	31	0.1200	36.0	65.0
3.10		0.1220	36.0	65.0
3.15		0.1240	36.0	65.0
3.18	1/8	0.1251	36.0	65.0
3.20		0.1259	36.0	65.0
3.25		0.1279	36.0	65.0
3.26	30	0.1283	36.0	65.0
3.30		0.1299	36.0	65.0
3.40		0.1338	39.0	70.0
3.45	29	0.1358	39.0	70.0
3.50		0.1377	39.0	70.0
3.57	9/64	0.1405	39.0	70.0
3.57	28	0.1405	39.0	70.0
3.60		0.1417	39.0	70.0
3.66	27	0.1440	39.0	70.0
3.70		0.1456	39.0	70.0
3.73	26	0.1468	39.0	70.0
3.75		0.1476	39.0	70.0
3.80		0.1496	43.0	75.0
3.80	25	0.1496	43.0	75.0
3.86	24	0.1519	43.0	75.0
3.90		0.1535	43.0	75.0
3.91	23	0.1539	43.0	75.0
3.97	5/32	0.1562	43.0	75.0
3.99	22	0.157	43.0	75.0
4.00		0.1574	43.0	75.0
4.04	21	0.1590	43.0	75.0
4.09	20	0.1610	43.0	75.0
4.10		0.1614	43.0	75.0
4.20		0.1653	43.0	75.0
4.22	19	0.1661	43.0	75.0
4.25		0.1673	43.0	75.0
4.30		0.1692	47.0	80.0
4.31	18	0.1696	47.0	80.0
4.37	11/64	0.172	47.0	80.0
4.39	17	0.1728	47.0	80.0
4.40		0.1732	47.0	80.0
4.50		0.1771	47.0	80.0
4.50	16	0.1771	47.0	80.0
4.57	15	0.1799	47.0	80.0
4.60		0.1811	47.0	80.0
4.62	14	0.1818	47.0	80.0
4.70		0.1850	47.0	80.0
4.70	13	0.1850	47.0	80.0
4.75		0.1870	47.0	80.0
4.76	3/16	0.1874	52.0	86.0
4.80		0.1889	52.0	86.0
4.80	12	0.1889	52.0	86.0
4.85	11	0.1909	52.0	86.0
4.90		0.1929	52.0	86.0
4.92	10	0.1937	52.0	86.0
4.98	9	0.1960	52.0	86.0
5.00		0.1968	52.0	86.0
5.06	8	0.1992	52.0	86.0
5.10		0.2007	52.0	86.0
5.11	7	0.2011	52.0	86.0
5.16	13/64	0.2031	52.0	86.0
5.18	6	0.2039	52.0	86.0
5.20		0.2047	52.0	86.0
5.22	5	0.2055	52.0	86.0
5.25		0.2066	52.0	86.0

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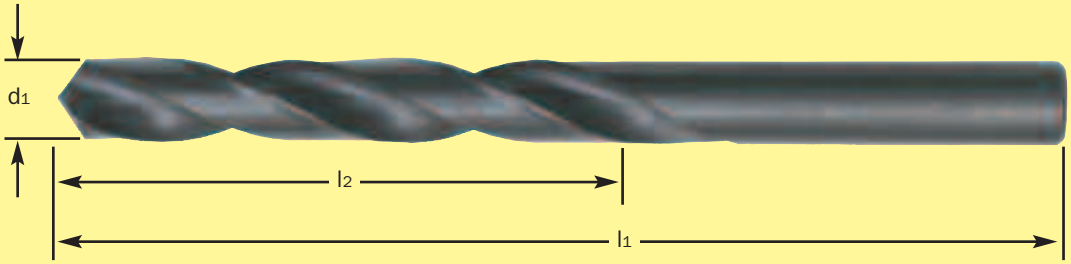
Dimensions - Jobber Drills to BS 328 / DIN 338

The majority of jobber drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them listed accordingly in the tables for those products.



BS 328
DIN 338

d1 mm h8	No/ Letter	Inch Dec.	l2 mm	l1 mm
5.30		0.2086	52.0	86.0
5.31	4	0.2090	57.0	93.0
5.40		0.2125	57.0	93.0
5.41	3	0.2129	57.0	93.0
5.50		0.2165	57.0	93.0
5.56	7/32	0.2188	57.0	93.0
5.60		0.2204	57.0	93.0
5.61	2	0.2208	57.0	93.0
5.70		0.2244	57.0	93.0
5.75		0.2263	57.0	93.0
5.79	1	0.2279	57.0	93.0
5.80		0.2283	57.0	93.0
5.90		0.2322	57.0	93.0
5.94	A	0.2338	57.0	93.0
5.95	15/64	0.2342	57.0	93.0
6.00		0.2362	57.0	93.0
6.00	B	0.2374	63.0	101.0
6.10		0.2401	63.0	101.0
6.15	C	0.2421	63.0	101.0
6.20		0.2440	63.0	101.0
6.25		0.2460	63.0	101.0
6.25	D	0.2460	63.0	101.0
6.30		0.2480	63.0	101.0
6.35	1/4	0.2500	63.0	101.0
6.35	E	0.2500	63.0	101.0
6.40		0.2519	63.0	101.0
6.50		0.2559	63.0	101.0
6.53	F	0.2570	63.0	101.0
6.60		0.2598	63.0	101.0
6.63	G	0.2610	63.0	101.0
6.70		0.2637	63.0	101.0
6.75	17/64	0.2657	69.0	109.0
6.75		0.2657	69.0	109.0
6.76	H	0.2661	69.0	109.0
6.80		0.2677	69.0	109.0
6.90		0.2716	69.0	109.0
6.91	I	0.2720	69.0	109.0
7.00		0.2755	69.0	109.0
7.04	J	0.2771	69.0	109.0
7.10		0.2795	69.0	109.0
7.14	9/32	0.2811	69.0	109.0
7.14	K	0.2811	69.0	109.0
7.20		0.2834	69.0	109.0
7.25		0.2854	69.0	109.0
7.30		0.2874	69.0	109.0
7.37	L	0.2901	69.0	109.0
7.40		0.2913	69.0	109.0

d1 mm h8	No/ Letter	Inch Dec.	l2 mm	l1 mm
7.49	M	0.2948	69.0	109.0
7.50		0.2952	69.0	109.0
7.54	19/64	0.2968	75.0	117.0
7.60		0.2992	75.0	117.0
7.67	N	0.3019	75.0	117.0
7.70		0.3031	75.0	117.0
7.75		0.3051	75.0	117.0
7.80		0.3070	75.0	117.0
7.90		0.3110	75.0	117.0
7.94	5/16	0.3125	75.0	117.0
8.00		0.3149	75.0	117.0
8.03	O	0.3161	75.0	117.0
8.10		0.3188	75.0	117.0
8.20		0.3228	75.0	117.0
8.20	P	0.3228	75.0	117.0
8.25		0.3248	75.0	117.0
8.30		0.3267	75.0	117.0
8.33	21/64	0.3279	75.0	117.0
8.40		0.3307	75.0	117.0
8.43	Q	0.3318	75.0	117.0
8.50		0.3346	75.0	117.0
8.60		0.3385	81.0	125.0
8.61	R	0.3389	81.0	125.0
8.70		0.3425	81.0	125.0
8.73	11/32	0.3437	81.0	125.0
8.75		0.3444	81.0	125.0
8.80		0.3464	81.0	125.0
8.84	S	0.3480	81.0	125.0
8.90		0.3503	81.0	125.0
9.00		0.3543	81.0	125.0
9.09	T	0.3578	81.0	125.0
9.10		0.3582	81.0	125.0
9.13	23/64	0.3594	81.0	125.0
9.20		0.3622	81.0	125.0
9.25		0.3641	81.0	125.0
9.30		0.3661	81.0	125.0
9.35	U	0.3681	81.0	125.0
9.40		0.3700	81.0	125.0
9.50		0.3740	81.0	125.0
9.53	3/8	0.3751	87.0	133.0
9.58	V	0.3771	87.0	133.0
9.60		0.3779	87.0	133.0
9.70		0.3818	87.0	133.0
9.75		0.3838	87.0	133.0
9.80		0.3858	87.0	133.0
9.80	W	0.3858	87.0	133.0
9.90		0.3897	87.0	133.0

d1 mm h8	No/ Letter	Inch Dec.	l2 mm	l1 mm
9.92	25/64	0.3905	87.0	133.0
10.00		0.3937	87.0	133.0
10.08	X	0.3968	87.0	133.0
10.10		0.3976	87.0	133.0
10.20		0.4015	87.0	133.0
10.25		0.4035	87.0	133.0
10.26	Y	0.4039	87.0	133.0
10.30		0.4055	87.0	133.0
10.32	13/32	0.4062	87.0	133.0
10.40		0.4094	87.0	133.0
10.49	Z	0.4129	87.0	133.0
10.50		0.4133	87.0	133.0
10.60		0.4173	87.0	133.0
10.70		0.4212	94.0	142.0
10.72	27/64	0.4220	94.0	142.0
10.75		0.4232	94.0	142.0
10.80		0.4251	94.0	142.0
10.90		0.4291	94.0	142.0
11.00		0.4330	94.0	142.0
11.10		0.4370	94.0	142.0
11.11	7/16	0.4374	94.0	142.0
11.20		0.4409	94.0	142.0
11.25		0.4429	94.0	142.0
11.30		0.4448	94.0	142.0
11.40		0.4488	94.0	142.0
11.50		0.4527	94.0	142.0
11.51	29/64	0.4531	94.0	142.0
11.60		0.4566	94.0	142.0
11.70		0.4606	94.0	142.0
11.75		0.4625	94.0	142.0
11.80		0.4645	94.0	142.0
11.90		0.4685	101.0	151.0
11.91	15/32	0.4688	101.0	151.0
12.00		0.4724	101.0	151.0
12.10		0.4763	101.0	151.0
12.20		0.4803	101.0	151.0
12.25		0.4822	101.0	151.0
12.30		0.4842	101.0	151.0
12.30	31/64	0.4842	101.0	151.0
12.40		0.4881	101.0	151.0
12.50		0.4921	101.0	151.0
12.60		0.4960	101.0	151.0
12.70		0.5000	101.0	151.0
12.70	1/2	0.5000	101.0	151.0
12.75		0.5019	101.0	151.0
12.80		0.5039	101.0	151.0
12.90		0.5078	101.0	151.0

d1 mm h8	No/ Letter	Inch Dec.	l2 mm	l1 mm
13.00		0.5118	101.0	151.0
13.10	33/64	0.5157	101.0	151.0
13.10		0.5157	101.0	151.0
13.20		0.5196	101.0	151.0
13.25		0.5216	108.0	160.0
13.30		0.5236	108.0	160.0
13.40		0.5275	108.0	160.0
13.49	17/32	0.5311	108.0	160.0
13.50		0.5314	108.0	160.0
13.60		0.5354	108.0	160.0
13.70		0.5393	108.0	160.0
13.75		0.5413	108.0	160.0
13.80		0.5433	108.0	160.0
13.89	35/64	0.5468	108.0	160.0
13.90		0.5472	108.0	160.0
14.00		0.5511	108.0	160.0
14.25		0.5610	114.0	169.0
14.29	9/16	0.5625	114.0	169.0
14.50		0.5708	114.0	169.0
14.68	37/64	0.5779	114.0	169.0
14.75		0.5807	114.0	169.0
15.00		0.5905	114.0	169.0
15.08	19/32	0.5937	120.0	178.0
15.25		0.6003	120.0	178.0
15.48	39/64	0.6094	120.0	178.0
15.50		0.6102	120.0	178.0
15.75		0.6200	120.0	178.0
15.88	5/8	0.6251	120.0	178.0
16.00		0.6299	120.0	178.0
16.27	41/64	0.6405	125.0	184.0
16.50		0.6496	125.0	184.0
16.67	21/32	0.6562	125.0	184.0
17.00		0.6692	125.0	184.0
17.07	43/64	0.6720	130.0	191.0
17.46	11/16	0.6874	130.0	191.0
17.50		0.6889	130.0	191.0
18.00		0.7086	130.0	191.0
18.5		0.7283	135.0	198.0
19.00		0.7480	135.0	198.0
19.50		0.7677	140.0	205.0
20.00		0.7874	140.0	205.0

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GROUP 025

STANDARD LENGTH DRILLS

SENATOR QUALITY TOOLING

HSS Roll Forged Jobber Drills

For HSS Ground Flute Jobber Drills for industrial applications, please see page 36

HSS

Senator jobber drills are roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required.
Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.



DIN 338 BS 328 For Dimensions See Pages 32 - 33

Metric

PRICED PER 10

Dia. (mm)	Order Code SEN-025
1.00	-0040N
1.50	-0050N
2.00	-0060K
2.50	-0070W
2.80	-0076C
3.00	-0080G
3.20	-0083K
3.30	-0085M
3.50	-0087P
3.80	-0091T
4.00	-0093W
4.20	-0095Y
4.50	-0099C

PRICED PER 10

Dia. (mm)	Order Code SEN-025
4.80	-0103G
4.90	-0104H
5.00	-0105J
5.20	-0107L
5.50	-0111Q
6.00	-0117X
6.20	-0119N
6.50	-0123D
6.80	-0127H
7.00	-0129K
7.50	-0135R
8.00	-0141Y
8.50	-0147E

PRICED PER 10

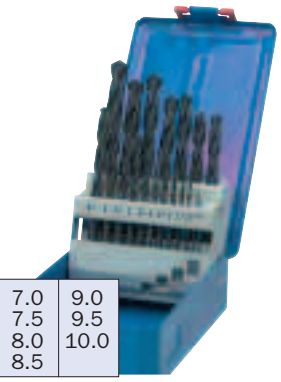
Dia. (mm)	Order Code SEN-025
9.00	-0153L
9.50	-0159S
10.00	-0165N
10.20	-0167B
10.50	-0171F
11.00	-0177M
11.50	-0183T
12.00	-0189A
12.50	-0195G
13.00	-0201N
14.00	-0213B

HSS Roll Forged Jobber Drill Sets

Roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required.
Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.

x 0.5mm
1.0 ~ 10.0

19 PIECES



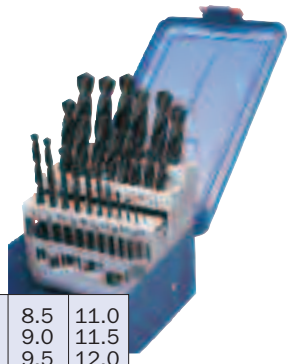
19 Piece Set
Contents (mm):

1.0	3.0	5.0	7.0	9.0
1.5	3.5	5.5	7.5	9.5
2.0	4.0	6.0	8.0	10.0
2.5	4.5	6.5	8.5	

Weight each	Order Code SEN-025
0.65kg	-9250K

x 0.5mm
1.0 ~ 13.0

25 PIECES



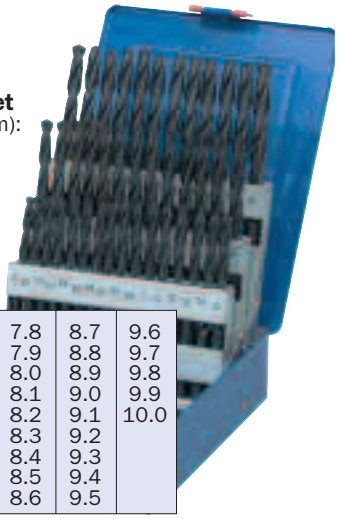
25 Piece Set
Contents (mm):

1.0	3.5	6.0	8.5	11.0
1.5	4.0	6.5	9.0	11.5
2.0	4.5	7.0	9.5	12.0
2.5	5.0	7.5	10.0	12.5
3.0	5.5	8.0	10.5	13.0

Weight each	Order Code SEN-025
1.60kg	-9150K

x 0.1mm
6.0 ~ 10.0

41 PIECES



41 Piece Set
Contents (mm):

6.0	6.9	7.8	8.7	9.6
6.1	7.0	7.9	8.8	9.7
6.2	7.1	8.0	8.9	9.8
6.3	7.2	8.1	9.0	9.9
6.4	7.3	8.2	9.1	10.0
6.5	7.4	8.3	9.2	
6.6	7.5	8.4	9.3	
6.7	7.6	8.5	9.4	
6.8	7.7	8.6	9.5	

Weight each	Order Code SEN-025
2.10kg	-9110K

HSS Roll Forged Jobber Drill Sets

Roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required.
Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.

x 0.5mm
1.0 ~ 10.0

170 Piece Set
Contents (mm):

1.0 x 10	4.5 x 10	8.0 x 10
1.5 x 10	5.0 x 10	8.5 x 5
2.0 x 10	5.5 x 10	9.0 x 5
2.5 x 10	6.0 x 10	9.5 x 5
3.0 x 10	6.5 x 10	10.0 x 5
3.5 x 10	7.0 x 10	
4.0 x 10	7.5 x 10	



170 PIECES

Weight each	Order Code SEN-025
3.8kg	-9300K

x 0.1mm
1.0 ~ 6.0

51 PIECES



51 Piece Set
Contents (mm):

1.0	1.9	2.8	3.7	4.6	5.5
1.1	2.0	2.9	3.8	4.7	5.6
1.2	2.1	3.0	3.9	4.8	5.7
1.3	2.2	3.1	4.0	4.9	5.8
1.4	2.3	3.2	4.1	5.0	5.9
1.5	2.4	3.3	4.2	5.1	6.0
1.6	2.5	3.4	4.3	5.2	
1.7	2.6	3.5	4.4	5.3	
1.8	2.7	3.6	4.5	5.4	

Weight each	Order Code SEN-025
0.60kg	-9060K

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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SENATOR QUALITY TOOLING HSS Tap & Drill Sets

HSS

METRIC

Industrial quality. Ground flute, blue finish. Supplied in indexing metal case. Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M**.

28 Piece Set Contents (mm):
Taps: (taper, second and bottom): M3, M4, M5, M6, M8, M10 and M12.
Drills: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5 and 10.2mm.

x 0.7mm
2.5 ~ 10.2

28 PIECES



DIN 338 BS 328 For Dimensions See Pages 32 - 33

Weight each	Order Code SEN-025
	-9960K

Multi-Purpose 'Dial-A-Drill' Set

18 Piece Drill Set
Designed to satisfy countless tasks around the home and workshop - a drill bit for every job!. Supplied in a robust 'dial a drill' case for easy selection and compact storage.

Contents:
6 x wood drills with 'lip and spur' self centering/self starting points. Suitable for all types of timber.
Sizes 3, 4, 5, 6, 8 and 10mm.

6 x masonry drills with TCT drill point. Suitable for tiles, ceramics and all light building materials.
Sizes 3, 4, 5, 6, 8 and 10mm.

6 x HSS drills (Jobber) with roll forged flutes. Suitable for use in portable powertools in all types of materials.
Sizes 3, 4, 5, 6, 8 and 10mm.

18 PIECES





Weight each	Order Code SEN-025
452g	-9500K

SHERWOOD QUALITY CUTTING TOOLS HSS Reduced Shank Drills (Blacksmiths)

HSS

½" parallel shank. General purpose drills for light duty work, for drilling steels, cast iron, nickel brass and graphite. Reduced parallel shank ½". Point angle: 118°, helix angle: normal, web thickness: standard, tolerance of diameter: h8, tolerance of shank: 0.01/0.08.
Manufactured to works standard.



Black Oxidised Finish

Metric

Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025
13.00	78.0	150.0	-1805A
13.50	78.0	150.0	-1805B
14.00	78.0	150.0	-1806C
14.50	78.0	150.0	-1806D
15.00	78.0	150.0	-1807E
15.50	78.0	150.0	-1807F
16.00	78.0	150.0	-1808G
16.50	78.0	150.0	-1808H
17.00	78.0	150.0	-1809J
17.50	78.0	150.0	-1809K
18.00	78.0	150.0	-1810L
18.50	78.0	150.0	-1810M
19.00	78.0	150.0	-1811N
19.50	85.0	150.0	-1811P
20.00	85.0	150.0	-1812Q
21.00	85.0	150.0	-1813R
22.00	85.0	150.0	-1814S
23.00	85.0	150.0	-1815T
24.00	85.0	150.0	-1816V
25.00	85.0	150.0	-1817W
26.00	85.0	150.0	-1818X
27.00	85.0	150.0	-1819Y
28.00	85.0	150.0	-1820Z
29.00	85.0	150.0	-1821A
30.00	85.0	150.0	-1822B
32.00	85.0	150.0	-1824D

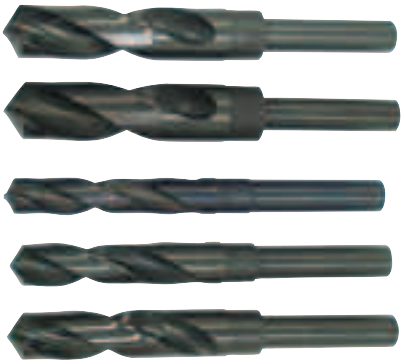
Inch

Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025
9/16"	3 1/16"	6"	-1764E
19/32"	3 1/16"	6"	-1766G
5/8"	3 1/16"	6"	-1768J
41/64"	3 1/16"	6"	-1769K
21/32"	3 1/16"	6"	-1770L
11/16"	3 1/16"	6"	-1772N
3/4"	3 1/16"	6"	-1776S
13/16"	3 3/8"	6"	-1780X
7/8"	3 3/8"	6"	-1784B
15/16"	3 3/8"	6"	-1788F
1"	3 3/8"	6"	-1792K
1 1/16"	3 3/8"	6"	-1794M
1 1/8"	3 3/8"	6"	-1796P
1 1/4"	3 3/8"	6"	-1800T

HSS Reduced Shank Drill Set (Blacksmiths)

5 Piece Set Contents:
14, 16, 18, 20 and 22mm.

5 PIECES



Number of Pieces	Order Code SHR-025
5	-8960K

Bright Finish - TiN Tipped

HSS TiN-tip



Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025
14.00	78.0	150.0	-1736C
15.00	78.0	150.0	-1737E
16.00	78.0	150.0	-1738G
17.00	78.0	150.0	-1739J
18.00	78.0	150.0	-1740L
19.00	78.0	150.0	-1741P
20.00	85.0	150.0	-1742Q
22.00	85.0	150.0	-1744S
25.00	85.0	150.0	-1747W

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GROUP 025

STANDARD LENGTH DRILLS

SHERWOOD QUALITY CUTTING TOOLS

HSS Jobber Drills
Metric - Bright Finish

HSS

METRIC | INCH

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328/DIN338RN**.

Bright Finish
Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.



DIN 338 / BS 328 For Dimensions See Pages 32 - 33

Series J100 - Metric

PRICED PER 10

Dia. (mm)	Order Code SHR-025
1.00	-0231B
1.10	-0231D
1.20	-0231F
1.30	-0231H
1.40	-0231K
1.50	-0231M
1.60	-0231P
1.70	-0231R
1.80	-0231T
1.90	-0231W
1.95	-0231Y
2.00	-0232A
2.10	-0232C
2.20	-0232E
2.30	-0232G
2.40	-0232J
2.50	-0232L
2.60	-0232N
2.70	-0232Q
2.80	-0232S
2.90	-0232V
3.00	-0232X
3.10	-0232Z
3.20	-0233B
3.30	-0233D
3.40	-0233F
3.50	-0233H
3.60	-0233K
3.70	-0233M
3.80	-0233P
3.90	-0233R
4.00	-0233T
4.10	-0233W
4.20	-0233Y
4.30	-0234A
4.40	-0234C
4.50	-0234E
4.60	-0234G
4.70	-0234J
4.80	-0234L
4.90	-0234N
5.00	-0234Q
5.10	-0234S
5.20	-0234V
5.30	-0234X
5.40	-0234Z

PRICED PER 10

Dia. (mm)	Order Code SHR-025
5.50	-0235B
5.60	-0235D
5.70	-0235F
5.80	-0235H
5.90	-0235K
6.00	-0235M
6.10	-0235P
6.20	-0235R
6.30	-0235T
6.40	-0235W
6.50	-0235Y
6.60	-0236A
6.70	-0236C
6.80	-0236E
6.90	-0236G
7.00	-0236J
7.10	-0236L
7.20	-0236N
7.30	-0236Q
7.40	-0236S
7.50	-0236V
7.60	-0236X
7.70	-0236Z
7.80	-0237B
7.90	-0237D
8.00	-0237F
8.10	-0237H
8.20	-0237K
8.30	-0237M
8.40	-0237P
8.50	-0237R
8.60	-0237T
8.70	-0237W
8.80	-0237Y
8.90	-0237Z
9.00	-0238A
9.10	-0238B
9.20	-0238C
9.30	-0238G
9.40	-0238H
9.50	-0238L
9.60	-0238N
9.70	-0238P
9.80	-0238Q
9.90	-0238R
10.00	-0238X

PRICED PER 10

Dia. (mm)	Order Code SHR-025
10.10	-0238Y
10.20	-0239B
10.50	-0239H
10.70	-0239L
10.80	-0239M
10.90	-0239N
11.00	-0239T
11.20	-0239W
11.40	-0239Y
11.50	-0239Z
11.80	-0240C
12.00	-0240E
12.10	-0240F
12.20	-0240G
12.30	-0240H
12.40	-0240J
12.50	-0240K
12.70	-0240M
12.90	-0240P
13.00	-0240R

PRICED PER 1

Dia. (mm)	Order Code SHR-025
13.20	-0240T
13.70	-0240Z
13.80	-0241A
14.00	-0241C
14.25	-0241D
14.50	-0241E
14.75	-0241F
15.00	-0241G
15.25	-0241H
15.50	-0241J
15.75	-0241K
16.00	-0241L
16.50	-0241P
17.00	-0241R
17.50	-0241T
18.00	-0241V
18.50	-0241X
19.00	-0241Z
20.00	-0242D

Series J100 - Inch

PRICED PER 10

Dia. (inch)	Order Code SHR-025
1/32"	-0243B
1/16"	-0243D
5/64"	-0243E
3/32"	-0243F
7/64"	-0243G
1/8"	-0243H
9/64"	-0243J
5/32"	-0243K
11/64"	-0243L
3/16"	-0243M
13/64"	-0243N
7/32"	-0243P
15/64"	-0243Q
1/4"	-0243R
17/64"	-0243S
9/32"	-0243T
19/64"	-0243V
5/16"	-0243W
21/64"	-0243X
11/32"	-0243Y
23/64"	-0243Z
3/8"	-0244A
25/64"	-0244B
13/32"	-0244C
7/16"	-0244E
29/64"	-0244F
1/2"	-0244J

PRICED PER 1

Dia. (inch)	Order Code SHR-025
17/32"	-0244L
9/16"	-0244N
5/8"	-0244S

HSS Jobber Drill Set - Bright Finish

HSS

METRIC

Industrial quality. Ground flute.
Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M.**

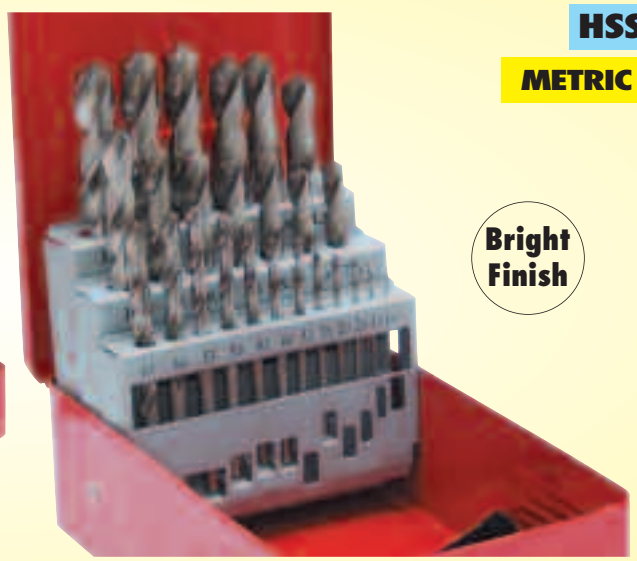
25 PIECES

x 0.5mm
1.0 ~ 13.0

(mm)						
1.0	2.5	4.5	6.5	8.5	10.5	12.5
1.5	3.0	5.0	7.0	9.0	11.0	13.0
2.0	3.5	5.5	7.5	9.5	11.5	
	4.0	6.0	8.0	10.0	12.0	

Number of Pieces	Weight each	Order Code SHR-025
25		-8520K





Bright Finish

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SHERWOOD QUALITY CUTTING TOOLS — HSS Jobber Drills - Metric - Steam Tempered

HSS

METRIC INCH

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328/DIN338RN**.

Black Finish (W-Finish)
This is the most common surface finish and is the result of a steam tempering operation in which steam is passed over the product during a controlled tempering cycle, producing a black oxide layer. Black tools are generally recommended for ferrous applications where the oxide layer aids chip flow, helps to dissipate heat by retaining some coolant on the tool surface and also helps to prevent the tool from staining.

For Bright Finish Jobber Drills see page 36



DIN 338 BS 328 For Dimensions See Pages 32 - 33

Series J100 - Metric

PRICED PER 10

Dia. (mm)	Order Code SHR-025
0.25	-0010X
0.30	-0012A
0.35	-0014F
0.40	-0016L
0.42	-0017N
0.45	-0018P
0.50	-0020R
0.52	-0021S
0.55	-0022T
0.58	-0023V
0.60	-0024W
0.62	-0025X
0.65	-0026Y
0.68	-0027N
0.70	-0028A
0.72	-0029B
0.75	-0030C
0.78	-0031D
0.80	-0032E
0.82	-0033F
0.85	-0034G
0.88	-0035H
0.90	-0036J
0.92	-0037K
0.95	-0038L
0.98	-0039M
1.00	-0040N
1.05	-0041P
1.10	-0042Q
1.15	-0043R
1.20	-0044S
1.25	-0045T
1.30	-0046V
1.35	-0047W
1.40	-0048X
1.45	-0049Y
1.50	-0050N
1.55	-0051A
1.60	-0052B
1.65	-0053C
1.70	-0054D
1.75	-0055E
1.80	-0056F
1.85	-0057G
1.90	-0058H
1.95	-0059J
2.00	-0060K
2.05	-0061L
2.10	-0062M
2.15	-0063N
2.20	-0064P
2.25	-0065Q
2.30	-0066R
2.35	-0067S
2.40	-0068T
2.45	-0069V
2.50	-0070W
2.55	-0071X
2.60	-0072Y
2.65	-0073N
2.70	-0074A
2.75	-0075B
2.80	-0076C
2.85	-0077D
2.90	-0078E
2.95	-0079F
3.00	-0080G
3.10	-0081H

PRICED PER 10

Dia. (mm)	Order Code SHR-025
3.15	-0082J
3.20	-0083K
3.25	-0084L
3.30	-0085M
3.40	-0086N
3.45	-0087D
3.50	-0087P
3.60	-0088Q
3.65	-0089D
3.70	-0089R
3.75	-0090S
3.80	-0091T
3.90	-0092V
4.00	-0093W
4.05	-0094L
4.10	-0094X
4.20	-0095Y
4.25	-0096N
4.30	-0097A
4.40	-0098B
4.50	-0099C
4.60	-0100D
4.70	-0101E
4.75	-0102F
4.80	-0103G
4.85	-0103X
4.90	-0104H
5.00	-0105J
5.10	-0106K
5.20	-0107L
5.25	-0108M
5.30	-0109N
5.40	-0110P
5.50	-0111Q
5.60	-0112R
5.70	-0113S
5.75	-0114T
5.80	-0115V
5.90	-0116W
6.00	-0117X
6.10	-0118Y
6.20	-0119N
6.25	-0120A
6.30	-0121B
6.40	-0122C
6.50	-0123D
6.60	-0124E
6.70	-0125F
6.75	-0126G
6.80	-0127H
6.90	-0128J
7.00	-0129K
7.10	-0130L
7.20	-0131M
7.30	-0133P
7.40	-0134Q
7.50	-0135R
7.60	-0136S
7.70	-0137T
7.80	-0139W
7.90	-0140X
8.00	-0141Y
8.10	-0142N
8.20	-0143A
8.25	-0144B
8.30	-0145C
8.40	-0146D
8.50	-0147E

PRICED PER 10

Dia. (mm)	Order Code SHR-025
8.60	-0148F
8.70	-0149G
8.75	-0150H
8.80	-0151J
8.90	-0152K
9.00	-0153L
9.10	-0154M
9.20	-0155N
9.30	-0157Q
9.40	-0158R
9.50	-0159S
9.60	-0160T
9.70	-0161V
9.75	-0162W
9.80	-0163X
9.90	-0164Y
10.00	-0165N
10.10	-0166A
10.20	-0167B
10.25	-0168C
10.30	-0169D
10.40	-0170E
10.50	-0171F
10.60	-0172G
10.70	-0173H
10.80	-0175K
10.90	-0176L
11.00	-0177M
11.10	-0178N
11.20	-0179P
11.30	-0181R
11.40	-0182S
11.50	-0183T
11.60	-0184V
11.70	-0185W
11.80	-0187Y
11.90	-0188N
12.00	-0189A
12.10	-0190B
12.20	-0191C
12.25	-0192D
12.30	-0193E
12.40	-0194F
12.50	-0195G
12.60	-0196H
12.70	-0197J
12.80	-0199L
12.90	-0200M
13.00	-0201N

PRICED PER 1

Dia. (mm)	Order Code SHR-025
13.10	-0202P
13.20	-0203Q
13.30	-0205S
13.50	-0207V
13.60	-0208W
13.70	-0209X
13.75	-0210Y
13.80	-0211N
13.90	-0212A
14.00	-0213B
14.25	-0214C
14.50	-0215D
14.75	-0216E

PRICED PER 1

Dia. (mm)	Order Code SHR-025
15.00	-0217F
15.25	-0218G
15.50	-0219H
15.75	-0220J
16.00	-0221K
16.50	-0222L
17.00	-0223M
17.50	-0224N
18.00	-0225P
18.50	-0226Q
19.00	-0227R
19.50	-0228S
20.00	-0229T

Series J100 - Inch

PRICED PER 10

Dia. (Inch)	Order Code SHR-025
1/64"	-0001A
1/32"	-0001B
3/64"	-0001C
1/16"	-0001D
5/64"	-0001E
3/32"	-0001F
7/64"	-0001G
1/8"	-0001H
9/64"	-0001J
5/32"	-0001K
11/64"	-0001L
3/16"	-0001M
13/64"	-0001N
7/32"	-0001P
15/64"	-0001Q
1/4"	-0001R
17/64"	-0001S
9/32"	-0001T
19/64"	-0001V
5/16"	-0001W
21/64"	-0001X
11/32"	-0001Y
23/64"	-0001Z
3/8"	-0002A
25/64"	-0002B
13/32"	-0002C
27/64"	-0002D
7/16"	-0002E
29/64"	-0002F
15/32"	-0002G
31/64"	-0002H
1/2"	-0002J

PRICED PER 1

Dia. (Inch)	Order Code SHR-025
33/64"	-0002K
17/32"	-0002L
35/64"	-0002M
9/16"	-0002N
37/64"	-0002P
19/32"	-0002Q
39/64"	-0002R
5/8"	-0002S
41/64"	-0002T
21/32"	-0002V
11/16"	-0002X
3/4"	-0003B

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SHERWOOD QUALITY CUTTING TOOLS — HSS Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 DIN 338N & ANSI B94 - 11M.**

25 PIECES

DIN 338 / BS 328 — **For Dimensions See Pages 32 - 33**



BEST SELLER

x 0.5mm
1.0 ~ 13.0

(mm)						
1.0	2.5	4.5	6.5	8.5	10.5	12.5
1.5	3.0	5.0	7.0	9.0	11.0	13.0
2.0	3.5	5.5	7.5	9.5	11.5	
	4.0	6.0	8.0	10.0	12.0	

Number of Pieces	Order Code SHR-025
25	-8500K

HSS Ground Flute Select-A-Drill Set

19 PIECES

HSS Ground Flute jobber drills in a 'Dial-a-Drill' style case. With a clear top to view drills.
Manufactured to **BS328 DIN 338N & ANSI B94 - 11M.**



BEST SELLER

x 0.5mm
1.0 ~ 10.0

(mm)						
1.0	2.0	3.5	5.0	6.5	8.0	9.5
1.5	2.5	4.0	5.5	7.0	8.5	10.0
	3.0	4.5	6.0	7.5	9.0	

Number of Pieces	Order Code SHR-025
19	-9000K

HSS Ground Flute Tap & Drill Set

HSS

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M.**



28 PIECES

METRIC Tap & Drill — Taps M3 ~ M12 +Tapping Drills **2.5 ~ 10.2**

28 Piece Tap & Drill Set
Taps (Taper, Second and Bottom)

M3	M5	M8	M12
M4	M6	M10	

Tapping Drills

(mm)			
2.5	**3.3**	**5.0**	**8.5**
	4.2	**6.8**	**10.2**

Number of Pieces	Order Code SHR-025
28	-9960K



51 PIECES

x 0.1mm
1.0 ~ 6.0

(mm)							
1.0	1.6	2.3	3.0	3.7	4.4	5.1	5.8
1.1	1.7	2.4	3.1	3.8	4.5	5.2	5.9
1.2	1.8	2.5	3.2	3.9	4.6	5.3	6.0
1.3	1.9	2.6	3.3	4.0	4.7	5.4	
1.4	2.0	2.7	3.4	4.1	4.8	5.5	
1.5	2.1	2.8	3.5	4.2	4.9	5.6	
	2.2	2.9	3.6	4.3	5.0	5.7	

Number of Pieces	Order Code SHR-025
51	-8380K



19 PIECES

x 0.5mm
1.0 ~ 10.0

(mm)						
1.0	2.0	3.5	5.0	6.5	8.0	9.5
1.5	2.5	4.0	5.5	7.0	8.5	10.0
	3.0	4.5	6.0	7.5	9.0	

Number of Pieces	Order Code SHR-025
19	-8460K

24 Piece Tap & Drill Sets

HSS

Industrial Quality
Ground flute, blue finish. Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M.**

24 PIECES

24 Piece Tap & Drill Sets
Taps (Taper, Second and Bottom)



UNF Tap & Drill — Taps No10 ~ 1/2" +Tapping Drills **4.1 ~ 11.5**

No10	1/4"	5/16"	3/8"	7/16"	1/2"

Tapping Drills

4.1	5.5	6.9	8.5	9.9	11.5

BSW Tap & Drill — Taps 3/16" ~ 1/2" +Tapping Drills **3.7 ~ 10.5**

3/16"	1/4"	5/16"	3/8"	7/16"	1/2"

Tapping Drills

3.7	5.1	6.5	7.9	9.3	10.5

UNC Tap & Drill — Taps No8 ~ 1/2" +Tapping Drills **3.5 ~ 10.28**

No8	No10	1/4"	5/16"	3/8"	1/2"

Tapping Drills

3.5	3.9	5.1	6.6	8.0	10.8

Number of Pieces	Type	Order Code SHR-025
24	UNC (No.8 - 1/2")	-9970K
	UNF (No.10 - 1/2")	-9980K
	BSW (3/16" - 1/2")	-9990K



32 PIECES

x 0.5mm
1.0 ~ 10.5
+Tapping sizes **1.9 to 10.2**

(mm)					
1.0	2.5	3.5	5.1	7.5	10.0
1.5	2.6	3.8	5.5	7.9	10.2
1.9	2.9	4.0	6.0	8.0	10.5
2.0	3.0	4.2	6.5	8.5	
2.1	3.2	4.5	6.8	9.0	
	3.3	5.0	7.0	9.5	

Number of Pieces	Order Code SHR-025
32	-8470K



41 PIECES

x 0.1mm
6.0 ~ 10.0

(mm)							
6.0	6.5	7.1	7.7	8.3	8.9	9.5
6.1	6.6	7.2	7.8	8.4	9.0	9.6
6.2	6.7	7.3	7.9	8.5	9.1	9.7
6.3	6.8	7.4	8.0	8.6	9.2	9.8
6.4	6.9	7.5	8.1	8.7	9.3	9.9
	7.0	7.6	8.2	8.8	9.4	10.0

Number of Pieces	Order Code SHR-025
41	-8420K

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SHERWOOD QUALITY CUTTING TOOLS

HSS Ground Flute Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M**.

DIN 338 / BS 328 For Dimensions See Pages 32 - 33

HSS

7 PIECES



x 1/32" — 1/16" ~ 1/4"

1/16"	1/8"	3/16"	1/4"
3/32"	5/32"	7/32"	

Number of Pieces	Order Code SHR-025
7	-8890K

29 PIECES



x 1/64" — 1/16" ~ 1/2"

1/16"	5/32"	1/4"	11/32"	7/16"
5/64"	11/64"	17/64"	23/64"	29/64"
3/32"	3/16"	9/32"	3/8"	15/32"
7/64"	13/64"	19/64"	25/64"	31/64"
1/8"	7/32"	5/16"	13/32"	1/2"
9/64"	15/64"	21/64"	27/64"	

Number of Pieces	Order Code SHR-025
29	-8800K

13 PIECES



x 1/64" — 1/16" ~ 1/4"

1/16"	7/64"	5/32"	13/64"	1/4"
5/64"	1/8"	11/64"	7/32"	
3/32"	9/64"	3/16"	15/64"	

Number of Pieces	Order Code SHR-025
13	-8680K

15 PIECES



x 1/32" — 1/16" ~ 1/2"

1/16"	5/32"	1/4"	11/32"	7/16"
3/32"	3/16"	9/32"	3/8"	15/32"
1/8"	7/32"	5/16"	13/32"	1/2"

Number of Pieces	Order Code SHR-025
15	-8840K

21 PIECES



x 1/64" — 1/16" ~ 3/8"

1/16"	1/8"	3/16"	1/4"	5/16"	3/8"
5/64"	9/64"	13/64"	17/64"	21/64"	
3/32"	5/32"	7/32"	9/32"	11/32"	
7/64"	11/64"	15/64"	19/64"	23/64"	

Number of Pieces	Order Code SHR-025
21	-8720K

Assorted Drill Set

100 Piece

Assorted inch and metric sizes up to 1/2" - 13mm. Straight shank. Supplied in a plastic case. Set contents may vary.

NEW

100 PIECES



Number of Pieces	Order Code PRO-025
100	-9002A

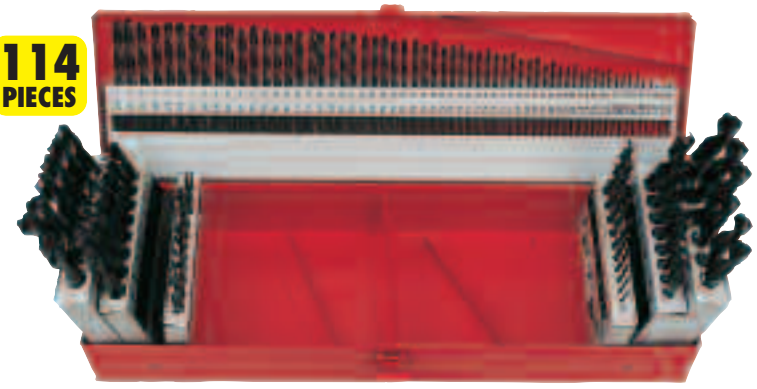
60 PIECES



GAUGE
No.1 to 60
Inclusive

Number of Pieces	Order Code SHR-025
60	-8880K

114 PIECES



x 0.5mm — 1.0 ~ 13.0

x 1/64" — 1/16" ~ 1/2"

GAUGE
No.1 to 60
Inclusive

(mm)	2.5	4.5	6.5	8.5	10.5	12.5
1.0	3.0	5.0	7.0	9.0	11.0	13.0
1.5	3.5	5.5	7.5	9.5	11.5	
2.0	4.0	6.0	8.0	10.0	12.0	

1/16"	5/32"	1/4"	11/32"	7/16"
5/64"	11/64"	17/64"	23/64"	29/64"
3/32"	3/16"	9/32"	3/8"	15/32"
7/64"	13/64"	19/64"	25/64"	31/64"
1/8"	7/32"	5/16"	13/32"	1/2"
9/64"	15/64"	21/64"	27/64"	

Number of Pieces	Order Code SHR-025
114	-8920K

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GROUP 025

STANDARD LENGTH DRILLS

SWISS+TECH

HSS Straight Shank TiN Tipped Jobber Drills

Bright body with TiN coating on working part. For drilling in steel, cast steel alloyed and non-alloyed, grey cast iron, graphite and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: normal, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328, DIN 338**.

HSS TiN-tip

DIN 338 BS 328 For Dimensions See Pages 32 - 33



DIN 1412A 118°

Series 1004 - Metric

Dia. (mm)	Order Code SWT-125
1.00	-5010A
1.10	-5011A
1.20	-5012A
1.30	-5013A
1.40	-5014A
1.50	-5015A
1.60	-5016A
1.70	-5017A
1.80	-5018A
1.90	-5019A
2.00	-5020A
2.10	-5021A
2.20	-5022A
2.30	-5023A
2.40	-5024A
2.50	-5025A
2.60	-5026A
2.70	-5027A
2.80	-5028A
2.90	-5029A
3.00	-5030A
3.10	-5031A
3.20	-5032A
3.30	-5033A
3.40	-5034A
3.50	-5035A
3.60	-5036A
3.70	-5037A
3.80	-5038A
3.90	-5039A
4.00	-5040A
4.10	-5041A
4.20	-5042A
4.30	-5043A
4.40	-5044A
4.50	-5045A
4.60	-5046A
4.70	-5047A
4.80	-5048A
4.90	-5049A
5.00	-5050A
5.10	-5051A
5.20	-5052A

Dia. (mm)	Order Code SWT-125
5.30	-5053A
5.40	-5054A
5.50	-5055A
5.60	-5056A
5.70	-5057A
5.80	-5058A
5.90	-5059A
6.00	-5060A
6.10	-5061A
6.20	-5062A
6.30	-5063A
6.40	-5064A
6.50	-5065A
6.60	-5066A
6.70	-5067A
6.80	-5068A
6.90	-5069A
7.00	-5070A
7.10	-5071A
7.20	-5072A
7.50	-5075A
7.80	-5078A
8.00	-5080A
8.10	-5081A
8.20	-5082A
8.30	-5083A
8.40	-5084A
8.50	-5085A
8.60	-5086A
8.70	-5087A
8.80	-5088A
9.00	-5090A
9.10	-5091A
9.20	-5092A
9.50	-5095A
9.60	-5096A
9.80	-5098A
10.00	-5100A
10.20	-5102A
10.30	-5103A
10.40	-5104A
10.50	-5105A
10.80	-5108A

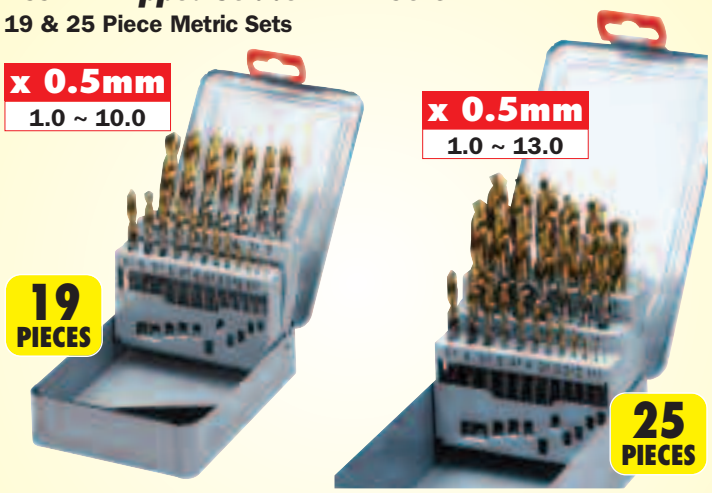
Dia. (mm)	Order Code SWT-125
11.00	-5110A
11.10	-5111A
11.20	-5112A
11.50	-5115A
11.80	-5118A
12.00	-5120A
12.50	-5125A
13.00	-5130A
13.50	-5130F
14.00	-5130L
14.50	-5130R
15.00	-5130X
16.00	-5131H

Inch Sizes

Dia. (inch)	Order Code SWT-125
1/16"	-5002A
3/32"	-5002L
1/8"	-5003A
9/64"	-5003L
5/32"	-5004A
3/16"	-5004L
7/32"	-5005A
1/4"	-5005L
3/8"	-5007A
1/2"	-5008A

HSS TiN Tipped Jobber Drill Sets

19 & 25 Piece Metric Sets



Number of Pieces	Order Code SWT-125
19	-9010A
25	-9020A

HSS TiN Coated Jobber Drills

General purpose drill, to drill steels with a tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite.
TiN coating provides longer tool life. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: normal, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **DIN 338 RN, DIN 338**.

HSS TiN

DIN 338 BS 328 For Dimensions See Pages 32 - 33



DIN 1412A 118°

Series 1001 - Metric

Dia. (mm)	Order Code SWT-125
1.00	-0010A
1.50	-0015A
1.60	-0016A
2.00	-0020A
2.50	-0025A
3.00	-0030A
3.10	-0031A
3.20	-0032A
3.30	-0033A

Dia. (mm)	Order Code SWT-125
3.50	-0035A
4.00	-0040A
4.20	-0042A
4.50	-0045A
5.00	-0050A
5.50	-0055A
6.00	-0060A
6.10	-0061A
6.20	-0062A

Dia. (mm)	Order Code SWT-125
6.50	-0065A
6.80	-0068A
7.00	-0070A
7.50	-0075A
7.80	-0078A
8.00	-0080A
8.50	-0085A
9.00	-0090A
9.50	-0095A

Dia. (mm)	Order Code SWT-125
10.00	-0100A
10.20	-0102A
10.50	-0105A
11.00	-0110A
11.50	-0115A
12.00	-0120A
12.50	-0125A
13.00	-0130A

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SWISS+TECH HSS-Co Straight Shank Heavy Duty Drills

DIN 338 BS 328 For Dimensions See Pages 32 - 33

HSS-Co

The addition of up to 8% cobalt allows higher speeds to be used without reducing the life of the tool, increasing productivity. 28° helix and 135° point.
Manufactured to **DIN 338 RN**.



DIN 1412C 135°

Series 1020 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
1.00	-0410A	3.00	-0430A	5.30	-0453A	9.00	-0490A
1.10	-0411A	3.10	-0431A	5.50	-0455A	9.50	-0495A
1.20	-0412A	3.20	-0432A	5.80	-0458A	9.60	-0496A
1.40	-0414A	3.30	-0433A	5.90	-0459A	9.70	-0497A
1.50	-0415A	3.40	-0434A	6.00	-0460A	10.00	-0500A
1.60	-0416A	3.50	-0435A	6.20	-0462A	10.20	-0502A
1.70	-0417A	3.70	-0437A	6.40	-0464A	10.40	-0504A
1.80	-0418A	3.80	-0438A	6.50	-0465A	10.50	-0505A
1.90	-0419A	4.00	-0440A	6.70	-0467A	11.00	-0510A
2.00	-0420A	4.10	-0441A	6.80	-0468A	10.80	-0508A
2.10	-0421A	4.20	-0442A	7.00	-0470A	11.50	-0515A
2.20	-0422A	4.30	-0443A	7.10	-0471A	11.80	-0518A
2.40	-0424A	4.50	-0445A	7.20	-0472A	12.00	-0520A
2.50	-0425A	4.80	-0448A	7.50	-0475A	12.50	-0525A
2.60	-0426A	4.90	-0449A	8.00	-0480A	13.00	-0530A
2.70	-0427A	5.00	-0450A	8.20	-0482A	13.50	-0535A
2.80	-0428A	5.10	-0451A	8.30	-0483A	14.00	-0540A
2.90	-0429A	5.20	-0452A	8.50	-0485A		

HSS-Co Straight Shank Heavy Duty TiN Tipped Drills

HSS-Co TiN-tip

DIN 338 BS 328 For Dimensions See Pages 32 - 33

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life.
Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.
Tolerance of diameter: h8. Supply unit. All diameters - 1 pce.
Manufactured to **DIN 338 RN**.



DIN 1412A 135°

Series 1024 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
1.00	-1710A	3.50	-1735A	6.50	-1765A	10.50	-1805A
1.50	-1715A	4.00	-1740A	6.80	-1768A	11.00	-1810A
1.60	-1716A	4.20	-1742A	7.00	-1770A	12.00	-1820A
2.00	-1720A	4.50	-1745A	7.50	-1775A	12.50	-1825A
2.50	-1725A	4.90	-1749A	8.00	-1780A	13.00	-1830A
3.00	-1730A	5.00	-1750A	8.50	-1785A		
3.20	-1732A	5.50	-1755A	9.00	-1790A		
3.30	-1733A	6.00	-1760A	10.00	-1800A		

HSS-Co Straight Shank Heavy Duty TiN Coated Drills

HSS-Co TiN

DIN 338 BS 328 For Dimensions See Pages 32 - 33

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life. Point angle: 135°.
Helix angle: normal. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8.
Supply unit. All diameters - 1 pce.
Manufactured to **DIN 338 RN**.



DIN 1412C 135°

Series 1033 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
1.00	-0610A	2.70	-0627A	5.00	-0650A	8.20	-0682A
1.10	-0611A	2.80	-0628A	5.10	-0651A	8.50	-0685A
1.20	-0612A	3.00	-0630A	5.20	-0652A	8.70	-0687A
1.40	-0614A	3.20	-0632A	5.50	-0655A	9.00	-0690A
1.50	-0615A	3.30	-0633A	5.80	-0658A	9.50	-0695A
1.60	-0616A	3.40	-0634A	6.00	-0660A	9.70	-0697A
1.70	-0617A	3.50	-0635A	6.10	-0661A	10.00	-0700A
1.80	-0618A	3.90	-0639A	6.20	-0662A	10.20	-0702A
2.00	-0620A	4.00	-0640A	6.30	-0663A	11.00	-0710A
2.10	-0621A	4.10	-0641A	6.50	-0665A	12.00	-0720A
2.20	-0622A	4.20	-0642A	6.80	-0668A	12.50	-0725A
2.30	-0623A	4.30	-0643A	6.90	-0669A	13.00	-0730A
2.40	-0624A	4.50	-0645A	7.00	-0670A		
2.50	-0625A	4.80	-0648A	7.50	-0675A		
2.60	-0626A	4.90	-0649A	8.00	-0680A		

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SWISS+TECH HSS-Co Straight Shank High Helix Drills

HSS-Co

High helix drills, to drill long-chipping materials like aluminium, aluminium alloys, copper and plastics. Point angle: 130°. Helix angle: high. Web thickness: normal. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11.
Manufactured to **DIN 338 RN**.

DIN 338 BS 328 For Dimensions See Pages 32 - 33



DIN 1412C 130°

Series 1012 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
2.50	**-0225A**	4.00	**-0240A**	6.00	**-0260A**	10.50	**-0305A**
3.00	**-0230A**	4.20	**-0242A**	6.50	**-0265A**	12.00	**-0320A**
3.30	**-0233A**	4.50	**-0245A**	7.00	**-0270A**	13.00	**-0330A**
3.50	**-0235A**	5.00	**-0250A**	10.00	**-0300A**		

HSS-Co Straight Shank TiN Tipped High Helix Drills

HSS-Co TiN-tip

Heavy duty drill for stainless steel, heat and acid-resistant steels, short chipping and high strength steels. High heat resistance allows drilling in titanium and titanium alloys. TiN coating provides longer tool life. Point angle: 130°. Helix angle: high. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce.
Manufactured to **DIN 338RN**.

DIN 338 BS 328 For Dimensions See Pages 32 - 33



DIN 1412C 130°

Series 1014 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
2.00	**-1420A**	4.20	**-1442A**	7.00	**-1570A**	11.00	**-1610A**
2.50	**-1425A**	4.50	**-1450A**	8.00	**-1580A**	12.00	**-1612A**
3.00	**-1430A**	5.00	**-1500A**	8.50	**-1585A**	13.00	**-1613A**
3.30	**-1433A**	5.20	**-1520A**	9.00	**-1590A**		
3.50	**-1435A**	5.50	**-1550A**	10.00	**-1600A**		
4.00	**-1440A**	6.00	**-1560A**	10.50	**-1605A**		

HSS-Co Straight Shank TiN Coated High Helix Drills

HSS-Co TiN

Heavy duty drill for stainless steel, heat and acid-resistant steels, short chipping and high strength steels. High heat resistance allows drilling in titanium and titanium alloys. TiN coating provides longer tool life. Point angle: 130°. Helix angle: high. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce.
Manufactured to **DIN 338RN**.

DIN 338 BS 328 For Dimensions See Pages 32 - 33



DIN 1412C 130°

Series 1060 - Metric

Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125	Dia. (mm)	Order Code SWT-125
2.00	**-1220A**	4.20	**-1242A**	6.00	**-1260A**	9.00	**-1290A**
2.50	**-1225A**	4.50	**-1245A**	6.50	**-1265A**	10.00	**-1300A**
3.00	**-1230A**	4.80	**-1248A**	7.00	**-1270A**	10.50	**-1305A**
3.30	**-1233A**	5.00	**-1250A**	7.50	**-1275A**	11.00	**-1310A**
3.50	**-1235A**	5.20	**-1252A**	8.00	**-1280A**	12.00	**-1320A**
4.00	**-1240A**	5.50	**-1255A**	8.50	**-1285A**	13.00	**-1330A**

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KENNEDY HSS-Co Straight Shank Drills

HSS-Co

Heavy duty drill made of cobalt material with excellent heat resistance. To drill steels with tensile strength up to 1,400 N/mm², very hard bronze, stainless steels as well as heat and acid resistant steels.
Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.
Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce.
Manufacturing to **BS 328, DIN 338B**.

DIN 338 BS 328 For Dimensions See Pages 32 - 33



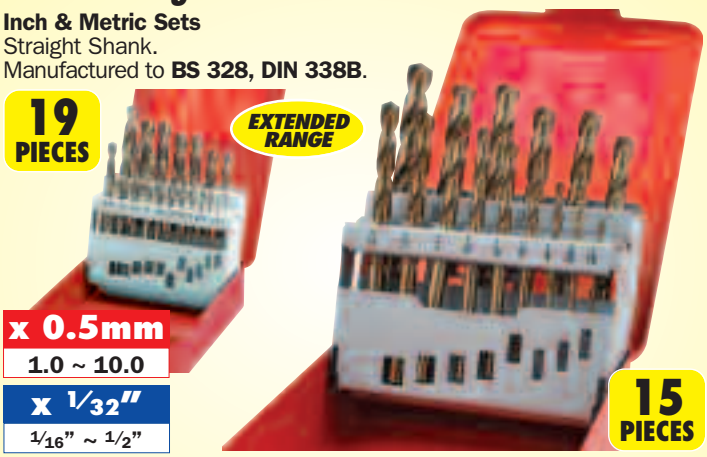
Metric

Dia. (mm)	Order Code KEN-026
1.00	-0200K
1.10	-0220K
1.20	-0240K
1.30	-0260K
1.40	-0280K
1.50	-0300K
1.60	-0320K
1.70	-0340K
1.80	-0360K
1.90	-0380K
2.00	-0400K
2.10	-0420K
2.20	-0440K
2.30	-0460K
2.40	-0480K
2.50	-0500K
2.60	-0520K
2.70	-0540K
2.80	-0560K
3.00	-0600K
3.10	-0620K
3.20	-0640K
3.30	-0660K
3.40	-0680K
3.50	-0700K
3.60	-0720K
3.70	-0740K
3.80	-0760K
3.90	-0780K
4.00	-0800K
4.10	-0820K
4.20	-0840K
4.30	-0860K
4.40	-0880K
4.50	-0900K
4.60	-0920K
4.70	-0940K

Dia. (mm)	Order Code KEN-026
4.80	-0960K
4.90	-0980K
5.00	-1000K
5.10	-1020K
5.20	-1040K
5.30	-1060K
5.40	-1080K
5.50	-1100K
5.60	-1120K
5.70	-1140K
5.80	-1160K
5.90	-1180K
6.00	-1200K
6.10	-1220K
6.20	-1240K
6.30	-1260K
6.40	-1280K
6.50	-1300K
6.60	-1320K
6.70	-1340K
6.80	-1360K
7.00	-1400K
7.20	-1440K
7.50	-1500K
7.70	-1540K
8.00	-1600K
8.50	-1700K
9.00	-1800K
9.50	-1900K
10.00	-2000K
10.20	-2040K
10.50	-2100K
11.00	-2200K
11.50	-2300K
12.00	-2400K
12.50	-2500K
13.00	-2600K

HSS-Co Straight Shank Drill Sets

Inch & Metric Sets
Straight Shank.
Manufactured to **BS 328, DIN 338B**.



Type	Number of Pieces	Order Code KEN-026
Metric	19	-8460K
Inch	15	-8490K

Inch

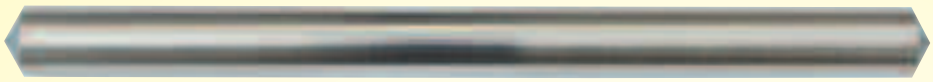
Dia. (inch)	Order Code KEN-026
1/16"	-3040K
3/32"	-3060K
7/64"	-3070K
1/8"	-3080K
9/64"	-3090K
5/32"	-3100K
11/64"	-3110K
3/16"	-3120K

Dia. (inch)	Order Code KEN-026
7/32"	-3140K
1/4"	-3160K
17/64"	-3170K
9/32"	-3180K
5/16"	-3200K
11/32"	-3220K
3/8"	-3240K
1/2"	-3320K

SHERWOOD HSS Drill Blanks

HSS

Jobber length blank hardened and ground all over. Accurately ground without back taper.
Diameter tolerance: h8. Manufactured to **DIN 338**.



DIN 338 BS 328 For Dimensions See Pages 32 - 33

Series J400 - Metric

Dia. (mm)	Order Code SHR-024
1.00	-2398F
1.10	-2400H
1.20	-2402K
1.30	-2404M
1.40	-2406P
1.50	-2408R
1.60	-2410T
1.70	-2412W
1.80	-2414Y
1.90	-2416A
2.00	-2418C
2.10	-2420E
2.20	-2422G
2.30	-2424J
2.40	-2426L
2.50	-2428N
2.60	-2430Q
2.70	-2432S
2.80	-2434V
2.90	-2436X
3.00	-2438N
3.10	-2439A
3.20	-2440B
3.30	-2442D
3.40	-2443E

Dia. (mm)	Order Code SHR-024
3.50	-2444F
3.60	-2445G
3.70	-2446H
3.80	-2448K
3.90	-2449L
4.00	-2450M
4.10	-2451N
4.20	-2452P
4.30	-2454R
4.40	-2455S
4.50	-2456T
4.60	-2457V
4.70	-2458W
4.80	-2460Y
4.90	-2461N
5.00	-2462A
5.10	-2463B
5.20	-2464C
5.30	-2466E
5.40	-2467F
5.50	-2468G
5.60	-2469H
5.70	-2470J
5.80	-2472L
5.90	-2473M

Dia. (mm)	Order Code SHR-024
6.00	-2474N
6.10	-2475P
6.20	-2476Q
6.30	-2478S
6.40	-2479T
6.50	-2480V
6.60	-2481W
6.70	-2482X
6.80	-2484N
6.90	-2485A
7.00	-2486B
7.10	-2487C
7.20	-2488D
7.30	-2490F
7.40	-2491G
7.50	-2492H
7.60	-2493J
7.70	-2494K
7.80	-2496M
7.90	-2497N
8.00	-2498P
8.10	-2499Q
8.20	-2500R
8.30	-2502T
8.40	-2503V

Dia. (mm)	Order Code SHR-024
8.50	-2504W
8.60	-2505X
8.70	-2506Y
8.80	-2508A
8.90	-2509B
9.00	-2510C
9.10	-2511D
9.20	-2512E
9.30	-2514G
9.40	-2515H
9.50	-2516J
9.60	-2517K
9.70	-2518L
9.80	-2520N
9.90	-2521P
10.00	-2522Q
10.50	-2523R
11.00	-2524S
11.50	-2525T
12.00	-2526V
12.50	-2527W
13.00	-2528X

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SHERWOOD QUALITY CUTTING TOOLS — Solid Carbide Jobber Drills

CARBIDE

General purpose drills for drilling a wide variety of metallic and non-metallic materials.
Point angle: 118°. Tolerance of diameter: h7. Tolerance of shank: h6. Supply unit. All diameters - 1 pce.
Manufacturing Standard: **BS 328, DIN 338**.



DIN 338 / BS 328 For Dimensions See Pages 32 - 33

Series J102 - Metric

Dia. (mm)	Order Code SHR-158	Dia. (mm)	Order Code SHR-158	Dia. (mm)	Order Code SHR-158	Dia. (mm)	Order Code SHR-158
1.00	-5100K	3.90	-5390K	6.80	-5680K	9.70	-5970K
1.10	-5110K	4.00	-5400K	6.90	-5690K	9.80	-5980K
1.20	-5120K	4.10	-5410K	7.00	-5700K	9.90	-5990K
1.30	-5130K	4.20	-5420K	7.10	-5710K	10.00	-6000K
1.40	-5140K	4.30	-5430K	7.20	-5720K	10.20	-6020K
1.50	-5150K	4.40	-5440K	7.30	-5730K	10.30	-6030K
1.60	-5160K	4.50	-5450K	7.40	-5740K	10.40	-6040K
1.70	-5170K	4.60	-5460K	7.50	-5750K	10.50	-6050K
1.80	-5180K	4.70	-5470K	7.60	-5760K	10.80	-6080K
1.90	-5190K	4.80	-5480K	7.70	-5770K	11.00	-6100K
2.00	-5200K	4.90	-5490K	7.80	-5780K	11.20	-6120K
2.10	-5210K	5.00	-5500K	7.90	-5790K	11.50	-6150K
2.20	-5220K	5.10	-5510K	8.00	-5800K	11.80	-6180K
2.30	-5230K	5.20	-5520K	8.10	-5810K	11.90	-6190K
2.40	-5240K	5.30	-5530K	8.20	-5820K	12.00	-6200K
2.50	-5250K	5.40	-5540K	8.30	-5830K	12.50	-6250K
2.60	-5260K	5.50	-5550K	8.40	-5840K	12.70	-6270K
2.70	-5270K	5.60	-5560K	8.50	-5850K	13.00	-6300K
2.80	-5280K	5.70	-5570K	8.60	-5860K	13.50	-6350K
2.90	-5290K	5.80	-5580K	8.70	-5870K	14.00	-6400K
3.00	-5300K	5.90	-5590K	8.80	-5880K	15.00	-6500K
3.10	-5310K	6.00	-5600K	8.90	-5890K	16.00	-6600K
3.20	-5320K	6.10	-5610K	9.00	-5900K	17.00	-6700K
3.30	-5330K	6.20	-5620K	9.10	-5910K	18.00	-6800K
3.40	-5340K	6.30	-5630K	9.20	-5920K	19.00	-6900K
3.50	-5350K	6.40	-5640K	9.30	-5930K	20.00	-7000K
3.60	-5360K	6.50	-5650K	9.40	-5940K		
3.70	-5370K	6.60	-5660K	9.50	-5950K		
3.80	-5380K	6.70	-5670K	9.60	-5960K		

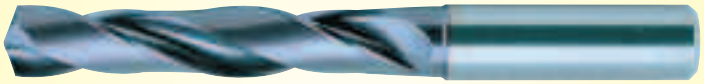
SWISS+TECH — Solid Carbide Q-Coat Drill

CARBIDE

Q-Coat

DIN 6537

For drilling into general steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous heavy and light metal, and abrasive plastic, self-centring. 3 X D.
Point angle: 140°, tolerance of diameter: m7, tolerance of shank: h6.
Manufactured to **DIN 6537**.



DIN 6537 - Short
3 X D Nominal

Diameter (mm)	Shank Diameter	Overall Length	Flute Length	Shank Length	Order Code SWT-158
3.00	6.0	62.0	20.0	36.0	-3530S
3.20	6.0	62.0	20.0	36.0	-3532S
3.30	6.0	62.0	20.0	36.0	-3533S
3.50	6.0	62.0	20.0	36.0	-3535S
4.20	6.0	66.0	24.0	36.0	-3542S
4.50	6.0	66.0	24.0	36.0	-3545S
5.00	6.0	66.0	28.0	36.0	-3550S
5.50	6.0	66.0	28.0	36.0	-3555S
6.00	6.0	66.0	28.0	36.0	-3560S
6.80	8.0	79.0	34.0	36.0	-3568S
7.00	8.0	79.0	34.0	36.0	-3570S
7.50	8.0	79.0	41.0	36.0	-3575S
8.00	8.0	79.0	41.0	36.0	-3580S
8.50	10.0	89.0	47.0	40.0	-3585S
9.00	10.0	89.0	47.0	40.0	-3590S
10.00	10.0	89.0	47.0	40.0	-3600S
10.20	12.0	102.0	55.0	45.0	-3602S
10.50	12.0	102.0	55.0	45.0	-3605S
11.00	12.0	102.0	55.0	45.0	-3610S
12.00	12.0	102.0	55.0	45.0	-3620S
12.50	14.0	107.0	60.0	45.0	-3625S
13.00	14.0	107.0	60.0	45.0	-3630S
13.50	14.0	107.0	60.0	45.0	-3635S
14.00	14.0	107.0	60.0	45.0	-3640S
16.00	16.0	115.0	65.0	48.0	-3660S

KENNEDY QUALITY INDUSTRIAL TOOLING — Solid Carbide Jobber Drills

CARBIDE

For drilling steels, cast steels, cast iron, chilled cast iron, malleable cast iron, non-ferrous heavy and light metal and abrasive plastic.
Point angle 118°. Tolerance of diameter: h7.
Tolerance of shank: h6.
Supply unit. All diameters - 1 pce.
Manufacturing to **DIN 338, DIN338**.

DIN 338 / BS 328 For Dimensions See Pages 32 - 33



Metric

Dia. (mm)	Order Code KEN-158	Dia. (mm)	Order Code KEN-158
1.00	-0100K	6.50	-0650K
1.50	-0150K	6.80	-0680K
1.60	-0160K	7.00	-0700K
2.00	-0200K	7.50	-0750K
2.50	-0250K	8.00	-0800K
3.00	-0300K	8.50	-0850K
3.30	-0330K	9.00	-0900K
3.50	-0350K	9.50	-0950K
4.00	-0400K	10.00	-1000K
4.20	-0420K	10.20	-1020K
4.50	-0450K	10.50	-1050K
5.00	-0500K	11.00	-1100K
5.50	-0550K	11.50	-1150K
6.00	-0600K	12.00	-1200K

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SHERWOOD QUALITY CUTTING TOOLS

HSS Straight Shank Long Series Drills - Steam Tempered

HSS

General purpose drills to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11.
Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494**.



Series L100 - Metric

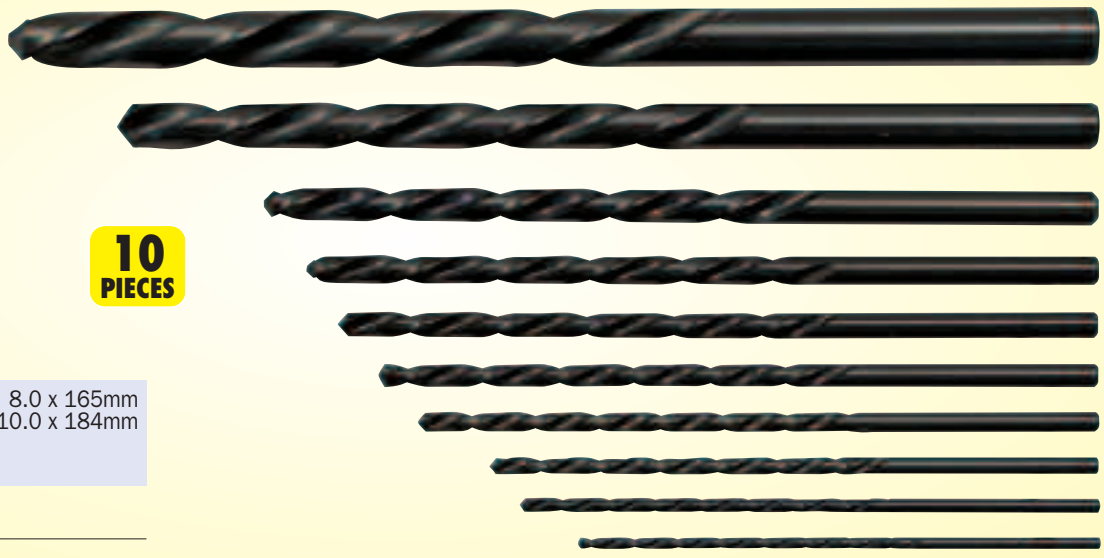
Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025
1.00	33.0	56.0	-1420A
1.10	37.0	60.0	-1421B
1.20	41.0	65.0	-1422C
1.30	41.0	65.0	-1423D
1.40	45.0	70.0	-1424E
1.50	45.0	70.0	-1425F
1.60	50.0	76.0	-1426G
1.70	50.0	76.0	-1427H
1.80	53.0	80.0	-1429K
1.90	53.0	80.0	-1431M
2.00	56.0	85.0	-1433P
2.10	56.0	85.0	-1435R
2.20	59.0	90.0	-1437T
2.30	59.0	90.0	-1439W
2.40	62.0	95.0	-1441Y
2.50	62.0	95.0	-1443A
2.60	62.0	95.0	-1445C
2.70	66.0	100.0	-1447E
2.80	66.0	100.0	-1449G
2.90	66.0	100.0	-1451J
3.00	66.0	100.0	-1453L
3.10	69.0	106.0	-1454M
3.20	69.0	106.0	-1455N
3.25	69.0	106.0	-1456P
3.30	69.0	106.0	-1457Q
3.40	73.0	112.0	-1458R
3.50	73.0	112.0	-1459S
3.60	73.0	112.0	-1460T
3.70	73.0	112.0	-1461V
3.80	78.0	119.0	-1463X
3.90	78.0	119.0	-1464Y
4.00	78.0	119.0	-1465N
4.10	78.0	119.0	-1466A
4.20	78.0	119.0	-1467B
4.30	82.0	126.0	-1469D
4.40	82.0	126.0	-1470E
4.50	82.0	126.0	-1471F
4.60	82.0	126.0	-1472G
4.70	82.0	126.0	-1473H
4.80	87.0	132.0	-1475K
4.90	87.0	132.0	-1476L
5.00	87.0	132.0	-1477M
5.10	87.0	132.0	-1478N
5.20	87.0	132.0	-1479P
5.30	87.0	132.0	-1481R
5.40	91.0	139.0	-1482S
5.50	91.0	139.0	-1483T
5.60	91.0	139.0	-1484V
5.70	91.0	139.0	-1485W
5.80	91.0	139.0	-1487Y
5.90	91.0	139.0	-1488N
6.00	91.0	139.0	-1489A
6.10	97.0	148.0	-1490B
6.20	97.0	148.0	-1491C
6.30	97.0	148.0	-1493E
6.40	97.0	148.0	-1494F
6.50	97.0	148.0	-1495G
6.60	97.0	148.0	-1496H
6.70	97.0	148.0	-1497J
6.80	102.0	156.0	-1499L
6.90	102.0	156.0	-1500M
7.00	102.0	156.0	-1501N
7.10	102.0	156.0	-1502P
7.20	102.0	156.0	-1503Q
7.30	120.0	156.0	-1505S
7.50	102.0	156.0	-1507V
7.70	109.0	165.0	-1509X
7.80	109.0	165.0	-1511N
7.90	109.0	165.0	-1512A
8.00	109.0	165.0	-1513B
8.10	109.0	165.0	-1514C
8.20	109.0	165.0	-1515D
8.30	109.0	165.0	-1517F
8.40	109.0	165.0	-1518G
8.50	109.0	165.0	-1519H
8.60	115.0	175.0	-1520J
8.70	115.0	175.0	-1521K
8.80	115.0	175.0	-1523M
9.00	115.0	175.0	-1525P
9.20	115.0	175.0	-1527R
9.40	115.0	175.0	-1530V
9.50	115.0	175.0	-1531W
9.60	121.0	184.0	-1532X
9.80	121.0	184.0	-1535A
10.00	121.0	184.0	-1537C
10.10	121.0	184.0	-1538D
10.20	121.0	184.0	-1539E
10.40	121.0	184.0	-1542H
10.50	121.0	184.0	-1543J
10.70	128.0	195.0	-1545L
10.80	128.0	195.0	-1547N
11.00	128.0	195.0	-1549Q
11.50	128.0	195.0	-1555X
11.70	128.0	195.0	-1557N
11.80	128.0	195.0	-1559B
12.00	134.0	205.0	-1561D
12.20	134.0	205.0	-1563F
12.50	134.0	205.0	-1567K
12.70	134.0	205.0	-1569M
13.00	134.0	205.0	-1573R
13.50	140.0	214.0	-1578X
14.00	140.0	214.0	-1583C
14.50	144.0	220.0	-1585E
15.00	144.0	220.0	-1587G
15.50	149.0	227.0	-1589J
16.00	149.0	227.0	-1591L
16.50	154.0	235.0	-1593N
17.00	154.0	235.0	-1595Q
17.50	158.0	241.0	-1597S
18.00	158.0	241.0	-1599V
20.00	166.0	254.0	-1607D



HSS Long Series Drill Set

METRIC HSS

Used for deep hole drilling in most materials. (Not suitable for the drilling of holes in crankshafts.)
Manufactured to **BS 328 : Part 1 : 1986**.



mm
2.0 ~ 10.0

2.0 x 85mm	4.0 x 119mm	8.0 x 165mm
2.5 x 95mm	4.5 x 126mm	10.0 x 184mm
3.0 x 100mm	5.0 x 132mm	
3.5 x 112mm	6.0 x 139mm	

Number of Pieces	Order Code SHR-025
10	-8540K

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SHERWOOD QUALITY CUTTING TOOLS — HSS Straight Shank Long Series Drills

HSS

General purpose high speed steel long series drills are designed for deep hole drilling of most materials.
The drill has the same diameter on both the fluted section and the shank.
Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494**.



Series L100 - Inch

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025
1/32"	1 1/16"	1 7/8"	**-1404Z**
3/64"	1 5/8"	2 9/16"	**-1405A**
1/16"	1 31/32"	3"i	**-1405B**
5/64"	2 7/32"	3 11/32"	**-1405C**
3/32"	2 7/16"	3 3/4"	**-1405D**
7/64"	2 19/32"	3 15/16"	**-1405E**
1/8"	2 23/32"	4 3/16"	**-1405F**
9/64"	2 7/8"	4 13/32"	**-1405G**
5/32"	3 1/16"	4 11/16"	**-1405H**
11/64"	3 7/32"	4 31/32"	**-1405J**
3/16"	3 7/16"	5 3/16"	**-1405K**
13/64"	3 7/16"	5 3/16"	**-1405L**
7/32"	3 19/32"	5 15/32"	**-1405M**
15/64"	3 19/32"	5 15/32"	**-1405N**
1/4"	3 13/16"	5 13/16"	**-1405P**
17/64"	4"	6 1/8"	**-1405Q**
9/32"	4"	6 1/8"	**-1405R**
5/16"	4 9/32"	6 1/2"	**-1405T**
21/64"	4 9/32"	6 1/2"	**-1405V**
11/32"	4 17/32"	6 7/8"	**-1405W**
3/8"	4 3/4"	7 1/4"	**-1405Y**
13/32"	4 3/4"	7 1/4"	**-1406A**
7/16"	5 1/32"	7 11/16"	**-1406C**
29/64"	5 1/32"	7 11/16"	**-1406D**
15/32"	5 9/32"	8 1/16"	**-1406E**
1/2"	5 9/32"	8 1/16"	**-1406G**

HSS Straight Shank Long Series Drills - Bright Finish

HSS

General purpose drills to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11. Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494**.
Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.



Series L100B - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025
1.00	33.0	56.0	**-1630A**
1.20	41.0	65.0	**-1630E**
1.50	45.0	70.0	**-1630J**
2.00	56.0	85.0	**-1630Q**
2.10	56.0	85.0	**-1630R**
2.20	59.0	90.0	**-1630S**
2.30	59.0	90.0	**-1630T**
2.40	62.0	95.0	**-1630W**
2.50	62.0	95.0	**-1630Y**
2.80	66.0	100.0	**-1631B**
3.00	66.0	100.0	**-1631H**
3.10	69.0	106.0	**-1631K**
3.20	69.0	106.0	**-1631N**
3.30	69.0	106.0	**-1631Q**
3.40	73.0	112.0	**-1631T**
3.50	73.0	112.0	**-1631V**
3.80	78.0	119.0	**-1631Y**
4.00	78.0	119.0	**-1632C**
4.10	78.0	119.0	**-1632D**
4.20	78.0	119.0	**-1632F**
4.30	82.0	126.0	**-1632G**
4.40	82.0	126.0	**-1632J**
4.50	82.0	126.0	**-1632L**
5.00	87.0	132.0	**-1632W**
5.10	87.0	132.0	**-1632X**
5.20	87.0	132.0	**-1632Y**
5.50	91.0	139.0	**-1633F**
5.80	91.0	139.0	**-1633J**
6.00	91.0	139.0	**-1633P**
6.20	97.0	148.0	**-1633R**
6.30	97.0	148.0	**-1633S**
6.40	97.0	148.0	**-1633T**
6.50	97.0	148.0	**-1633X**
6.80	120.0	156.0	**-1634D**
7.00	120.0	156.0	**-1634H**
7.20	102.0	156.0	**-1634K**
7.50	102.0	156.0	**-1634N**
7.80	109.0	165.0	**-1634R**
8.00	109.0	165.0	**-1635A**
8.20	109.0	165.0	**-1635C**
8.50	109.0	165.0	**-1635L**
9.00	115.0	175.0	**-1635Z**
9.50	115.0	175.0	**-1636E**
9.80	121.0	184.0	**-1636L**
10.00	121.0	184.0	**-1636N**
10.20	121.0	184.0	**-1636Q**
10.50	121.0	184.0	**-1636T**
11.00	128.0	195.0	**-1637A**
11.50	128.0	195.0	**-1637F**
12.00	134.0	205.0	**-1637P**
12.50	134.0	205.0	**-1637V**
13.00	134.0	205.0	**-1638Q**
13.50	140.0	214.0	**-1638W**
14.00	140.0	214.0	**-1639R**
15.00	144.0	220.0	**-1640S**
16.00	149.0	227.0	**-1641T**
17.00	154.0	235.0	**-1642V**
18.00	158.0	241.0	**-1643W**
20.00	166.0	254.0	**-1644X**

SWISS+TECH — HSS-Co Straight Shank Long Series Drills

HEAVY DUTY

HSS-Co

Heavy-duty drill used for deep holes in steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid-resistant steels and hard bronze. Point angle: 135°. Helix angle: normal. Web thickness: strengthened.
Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11.
Manufacturing Standard: **DIN 340/BS328**.



DIN 1412C 135°

Series 4000 - Metric

Diameter (mm)	Flute Length	Overall Length	Order Code SWT-125
3.00	66.0	100.0	**-4030A**
3.20	69.0	106.0	**-4032A**
3.50	73.0	112.0	**-4035A**
4.00	78.0	119.0	**-4040A**
4.80	87.0	132.0	**-4048A**
5.00	87.0	132.0	**-4050A**
5.20	87.0	132.0	**-4052A**
5.50	91.0	139.0	**-4055A**
6.00	91.0	139.0	**-4060A**
6.50	97.0	148.0	**-4065A**
8.00	109.0	165.0	**-4080A**
8.50	109.0	165.0	**-4085A**

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SHERWOOD QUALITY CUTTING TOOLS

HSS Extra Length Drills - Steam Tempered

HSS

General-purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
Point angle: 118°, helix angle: normal, web thickness: standard,
relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328 : Part 1 : 1986**.



Series E100 - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024
1.50	80.0	125.0	**-2091B**
1.50	100.0	160.0	**-2092C**
2.00	80.0	125.0	**-2094E**
2.00	100.0	160.0	**-2095F**
2.20	150.0	200.0	**-2095H**
2.20	100.0	160.0	**-2096G**
2.50	80.0	125.0	**-2097H**
2.50	100.0	160.0	**-2098J**
2.50	150.0	200.0	**-2098L**
3.00	100.0	160.0	**-2099K**
3.00	150.0	200.0	**-2100L**
3.00	200.0	250.0	**-2101M**
3.30	100.0	160.0	**-2102N**
3.30	150.0	200.0	**-2102Q**
3.50	100.0	160.0	**-2103P**
3.50	150.0	200.0	**-2104Q**
3.50	200.0	250.0	**-2105R**
4.00	100.0	160.0	**-2107T**
4.00	150.0	200.0	**-2108V**
4.00	200.0	250.0	**-2109W**
4.00	250.0	315.0	**-2110X**
4.50	100.0	160.0	**-2111Y**
4.50	150.0	200.0	**-2112N**
4.50	200.0	250.0	**-2113A**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024
4.50	250.0	315.0	**-2114B**
4.50	220.0	350.0	**-2114F**
5.00	100.0	160.0	**-2115C**
5.00	150.0	200.0	**-2116D**
5.00	200.0	250.0	**-2117E**
5.00	250.0	315.0	**-2118F**
5.00	300.0	400.0	**-2119G**
5.50	150.0	200.0	**-2120H**
5.50	200.0	250.0	**-2121J**
6.00	150.0	200.0	**-2123L**
6.00	200.0	250.0	**-2124M**
6.00	250.0	315.0	**-2125N**
6.00	300.0	400.0	**-2126P**
6.50	150.0	200.0	**-2127Q**
6.50	200.0	250.0	**-2128R**
6.50	250.0	315.0	**-2129S**
7.00	150.0	200.0	**-2130T**
7.00	200.0	250.0	**-2131V**
7.00	250.0	315.0	**-2132W**
7.50	200.0	200.0	**-2133X**
7.50	200.0	250.0	**-2134Y**
7.50	250.0	315.0	**-2135N**
8.00	200.0	250.0	**-2136A**
8.00	250.0	315.0	**-2137B**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024
8.00	300.0	400.0	**-2138C**
8.50	200.0	250.0	**-2139D**
8.50	250.0	315.0	**-2140E**
9.00	200.0	250.0	**-2141F**
9.00	250.0	315.0	**-2142G**
9.00	300.0	400.0	**-2143H**
9.50	200.0	250.0	**-2144J**
9.50	250.0	315.0	**-2145K**
10.00	200.0	250.0	**-2146L**
10.00	250.0	315.0	**-2147M**
10.00	300.0	400.0	**-2148N**
10.50	200.0	250.0	**-2149P**
10.50	250.0	315.0	**-2150Q**
10.50	300.0	400.0	**-2151R**
11.00	200.0	250.0	**-2152S**
11.00	250.0	315.0	**-2153T**
11.00	300.0	400.0	**-2154V**
12.00	200.0	250.0	**-2155W**
12.00	250.0	315.0	**-2156X**
12.00	300.0	400.0	**-2157Y**
13.00	250.0	315.0	**-2158N**
13.00	300.0	400.0	**-2159A**
14.00	250.0	315.0	**-2160B**
14.00	300.0	400.0	**-2161C**

Series E100 - Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024
1/16"	80.0	125.0	**-1990A**
1/16"	100.0	160.0	**-1991B**
3/32"	80.0	125.0	**-1994E**
3/32"	100.0	160.0	**-1995F**
1/8"	100.0	160.0	**-1998J**
1/8"	150.0	200.0	**-1999K**
1/8"	200.0	250.0	**-2000L**
1/8"	250.0	315.0	**-2001M**
5/32"	150.0	200.0	**-2005R**
5/32"	200.0	250.0	**-2006S**
3/16"	100.0	160.0	**-2011Y**
3/16"	150.0	200.0	**-2012N**
3/16"	200.0	250.0	**-2013A**
3/16"	250.0	315.0	**-2014B**
13/64"	150.0	200.0	**-2016D**
7/32"	150.0	200.0	**-2019G**
7/32"	200.0	250.0	**-2020H**
7/32"	250.0	315.0	**-2021J**

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024
1/4"	150.0	200.0	**-2024M**
1/4"	200.0	250.0	**-2025N**
1/4"	250.0	315.0	**-2026P**
1/4"	300.0	400.0	**-2027Q**
9/32"	150.0	200.0	**-2032W**
9/32"	200.0	250.0	**-2033X**
5/16"	150.0	200.0	**-2035N**
5/16"	200.0	250.0	**-2036A**
5/16"	250.0	315.0	**-2037B**
11/32"	200.0	250.0	**-2042D**
11/32"	200.0	250.0	**-2042G**
11/32"	300.0	400.0	**-2044J**
23/64"	250.0	315.0	**-2046L**
3/8"	150.0	200.0	**-2046Y**
3/8"	200.0	250.0	**-2047M**
3/8"	250.0	315.0	**-2048N**
3/8"	300.0	400.0	**-2049P**
13/32"	200.0	250.0	**-2051R**

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024
7/16"	250.0	315.0	**-2055W**
1/2"	200.0	250.0	**-2059A**
1/2"	250.0	315.0	**-2060B**
1/2"	300.0	400.0	**-2061C**



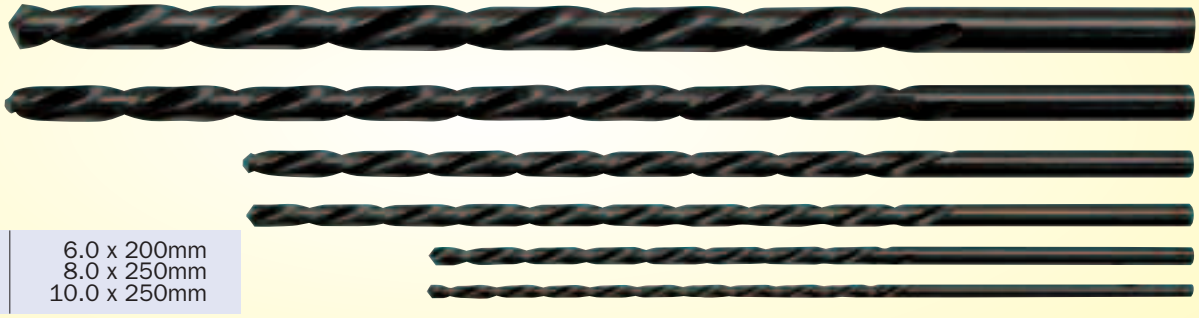
HSS Extra Length Drill Set

HSS

METRIC

Used for deep hole drilling in most materials. (Not suitable for the drilling of holes in crankshafts.)
Manufactured to **BS 328 : Part 1 : 1986**.

6 PIECES



mm

3.0 ~ 10.0

3.0 x 160mm	6.0 x 200mm
4.0 x 160mm	8.0 x 250mm
5.0 x 200mm	10.0 x 250mm

Number of Pieces	Order Code SHR-025
6	**-8600K**

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SHERWOOD QUALITY CUTTING TOOLS — HSS Taper Shank Drills - Metric

HSS

To drill steels with a tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, relief angle: normal, tolerance of diameter: h8. Manufacturing to **DIN 345**.



Series T100 - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025
		1 Morse Taper	
3.00	33	114	**-2634E**
3.30	36	117	**-2638J**
3.50	39	120	**-2640L**
4.00	43	123	**-2646S**
4.10	43	123	**-2647T**
4.20	43	123	**-2648V**
4.50	47	128	**-2652N**
5.00	52	133	**-2658F**
5.10	52	133	**-2659G**
5.20	52	133	**-2660H**
5.50	57	138	**-2664M**
6.00	57	138	**-2670T**
6.20	57	138	**-2672W**
6.50	63	144	**-2676A**
6.60	63	144	**-2677B**
6.80	69	150	**-2680E**
7.00	69	150	**-2682G**
7.50	69	150	**-2688N**
8.00	75	156	**-2694W**
8.20	75	156	**-2696Y**
8.50	75	156	**-2700C**
8.60	81	162	**-2701D**
8.70	81	162	**-2702E**
8.75	81	162	**-2703F**
8.80	81	162	**-2704G**
9.00	81	162	**-2706J**
9.50	81	162	**-2712Q**
9.70	87	168	**-2714S**
9.80	87	168	**-2716V**
10.00	87	168	**-2718X**
10.20	87	168	**-2720N**
10.25	87	168	**-2721A**
10.30	87	168	**-2722B**
10.40	87	168	**-2723C**
10.50	87	168	**-2724D**
10.70	94	175	**-2726F**
10.80	94	175	**-2728H**
11.00	94	175	**-2730K**
11.20	94	175	**-2732M**
11.40	94	175	**-2735Q**
11.50	94	175	**-2736R**
11.70	94	175	**-2738T**
11.80	94	175	**-2740W**
12.00	101	182	**-2742Y**
12.10	101	182	**-2743N**
12.20	101	182	**-2744A**
12.30	101	182	**-2746C**
12.40	101	182	**-2747D**
12.50	101	182	**-2748E**
12.70	101	182	**-2750G**
12.80	101	182	**-2752J**
13.00	101	182	**-2754L**
13.20	101	182	**-2756N**
13.50	108	189	**-2760S**
14.00	108	189	**-2766N**
		2 Morse Taper	
14.10	114	212	**-2766P**
14.20	114	212	**-2766S**
14.25	114	212	**-2767A**
14.50	114	212	**-2768B**
14.75	114	212	**-2769C**
15.00	114	212	**-2770D**
15.20	120	218	**-2770L**
15.25	120	218	**-2771E**
15.50	120	218	**-2772F**
15.75	120	218	**-2773G**
16.00	120	218	**-2774H**
16.10	125	223	**-2774N**
16.20	125	223	**-2774T**
16.25	125	223	**-2775J**
16.50	125	223	**-2776K**
17.00	125	223	**-2778M**
17.25	130	228	**-2779N**
17.50	130	228	**-2780P**
17.70	130	228	**-2781B**
17.75	130	228	**-2781Q**
18.00	130	228	**-2782R**
18.25	135	233	**-2783S**
18.50	135	233	**-2784T**
19.00	135	233	**-2786W**
19.25	140	238	**-2787X**
19.50	140	238	**-2788Y**
20.00	140	238	**-2790A**
20.25	145	243	**-2791B**
20.50	145	243	**-2793D**
20.75	145	243	**-2794E**
21.00	145	243	**-2795F**
21.25	150	248	**-2796G**
21.50	150	248	**-2797H**
21.75	150	248	**-2798J**
22.00	150	248	**-2799K**
22.25	150	248	**-2800L**
22.50	150	248	**-2801M**
23.00	150	248	**-2803P**
		3 Morse Taper	
23.25	150	248	**-2804Q**
23.50	150	248	**-2805R**
24.00	160	281	**-2807T**
24.50	160	281	**-2809W**
25.00	160	281	**-2811Y**
25.50	165	286	**-2813A**
26.00	165	286	**-2815C**
26.50	165	286	**-2817E**
27.00	170	291	**-2819G**
27.50	170	291	**-2821J**
28.00	170	291	**-2823L**
28.50	175	296	**-2825N**
29.00	175	296	**-2827Q**
29.50	175	296	**-2829S**
30.00	175	296	**-2831V**
30.50	180	301	**-2833X**
31.00	180	301	**-2835N**
31.50	180	301	**-2837B**
		4 Morse Taper	
32.00	185	334	**-2839D**
32.50	185	334	**-2840E**
33.00	185	334	**-2842G**
33.50	185	334	**-2843H**
34.00	190	339	**-2844J**
34.50	190	339	**-2845K**
35.00	190	339	**-2846L**
35.50	190	339	**-2847M**
36.00	195	344	**-2848N**
37.00	195	344	**-2850Q**
37.50	195	344	**-2851R**
38.00	200	349	**-2852S**
38.50	200	349	**-2853T**
39.00	200	349	**-2854V**
39.50	200	349	**-2855W**
40.00	200	349	**-2856X**
41.00	205	354	**-2858N**
42.00	205	354	**-2860B**
43.00	210	359	**-2862D**
44.00	210	359	**-2864F**
45.00	210	359	**-2866H**
46.00	215	364	**-2868K**
47.00	215	364	**-2870M**
48.00	220	369	**-2872P**
49.00	220	369	**-2874R**
50.00	220	369	**-2876T**
		5 Morse Taper	
55.00	230	417	**-2882A**
60.00	235	422	**-2887F**
65.00	245	432	**-2892L**
70.00	250	437	**-2897R**

Series T100 - Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-025
		1 Morse Taper	
1/8"	17/16"	45/8"	**-2550E**
9/64"	117/32"	43/4"	**-2550F**
11/64"	127/32"	51/32"	**-2550H**
3/16"	21/16"	51/4"	**-2550J**
13/64"	21/16"	51/4"	**-2550K**
7/32"	21/4"	57/16"	**-2550L**
1/4"	21/2"	511/16"	**-2550N**
17/64"	223/32"	529/32"	**-2550P**
9/32"	223/32"	529/32"	**-2550Q**
19/64"	215/16"	61/8"	**-2550R**
5/16"	215/16"	61/8"	**-2550S**
21/64"	215/16"	61/8"	**-2550T**
11/32"	33/16"	63/8"	**-2550V**
23/64"	33/16"	63/8"	**-2550W**
3/8"	37/16"	65/8"	**-2550X**
25/64"	37/16"	65/8"	**-2550Y**
13/32"	37/16"	65/8"	**-2550Z**
27/64"	311/16"	67/8"	**-2551A**
7/16"	311/16"	67/8"	**-2551B**
29/64"	311/16"	67/8"	**-2551C**
15/32"	331/32"	75/32"	**-2551D**
31/64"	331/32"	75/32"	**-2551E**
1/2"	331/32"	75/32"	**-2551F**
33/64"	331/32"	75/32"	**-2551G**
17/32"	41/4"	77/16"	**-2551H**
35/64"	41/4"	77/16"	**-2551J**
		2 Morse Taper	
9/16"	41/2"	83/8"	**-2551K**
37/64"	41/2"	83/8"	**-2551L**
19/32"	43/4"	85/8"	**-2551M**
39/64"	43/4"	85/8"	**-2551N**
5/8"	43/4"	85/8"	**-2551P**
41/64"	47/8"	83/4"	**-2551Q**
21/32"	47/8"	83/4"	**-2551R**
43/64"	51/8"	9"	**-2551S**
11/16"	51/8"	9"	**-2551T**
45/64"	51/8"	9"	**-2551V**
23/32"	51/4"	91/8"	**-2551W**
47/64"	51/4"	91/8"	**-2551X**
3/4"	51/2"	93/8"	**-2551Y**
49/64"	51/2"	93/8"	**-2551Z**
25/32"	51/2"	93/8"	**-2552A**
51/64"	53/4"	95/8"	**-2552B**
13/16"	53/4"	95/8"	**-2552C**
53/64"	53/4"	95/8"	**-2552D**
27/32"	57/8"	93/4"	**-2552E**
55/64"	57/8"	93/4"	**-2552F**
7/8"	57/8"	93/4"	**-2552G**
57/64"	61/8"	10"	**-2552H**
29/32"	61/8"	10"	**-2552J**
		3 Morse Taper	
59/64"	61/8"	107/8"	**-2552K**
15/16"	61/4"	11"	**-2552L**
61/64"	61/4"	11"	**-2552M**
31/32"	61/4"	11"	**-2552N**
63/64"	61/2"	111/4"	**-2552P**
1"	61/2"	111/4"	**-2552Q**
1 1/64"	61/2"	111/4"	**-2552R**
1 1/32"	61/2"	111/4"	**-2552S**
1 1/16"	65/8"	113/8"	**-2552V**
1 3/32"	65/8"	113/8"	**-2552X**
1 1/8"	67/8"	115/8"	**-2552Z**
1 5/32"	67/8"	115/8"	**-2553B**
1 3/16"	71/8"	117/8"	**-2553D**
1 7/32"	71/8"	117/8"	**-2553F**
1 1/4"	71/4"	12"	**-2553H**
		4 Morse Taper	
1 5/16"	71/4"	131/8"	**-2553M**
1 1/2"	77/8"	133/4"	**-2554A**

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HSS Extra Length Taper Shank Drills

HSS

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium, alloy and graphite. Point angle 118°, helix angle: normal, web thickness: standard, relief angle 8° - 20°, tolerance of diameter: h8. Made to **BS328 : 1 1986.** Sizes 32mm to 50mm are made to **DIN1870/Series 1**.



Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024
1 Morse Taper			
6.00	110.0	200.0	**-3950A**
6.00	160.0	250.0	**-3951B**
6.50	160.0	250.0	**-3954E**
7.00	110.0	200.0	**-3956G**
7.00	160.0	250.0	**-3957H**
7.50	160.0	250.0	**-3960L**
8.00	110.0	200.0	**-3961M**
8.00	160.0	250.0	**-3962N**
8.00	225.0	315.0	**-3963P**
8.00	310.0	400.0	**-3964Q**
8.50	110.0	200.0	**-3966S**
8.50	160.0	250.0	**-3967T**
8.50	225.0	315.0	**-3968V**
8.50	310.0	400.0	**-3969W**
9.00	110.0	200.0	**-3970X**
9.00	160.0	250.0	**-3971Y**
9.00	225.0	315.0	**-3972N**
9.00	310.0	400.0	**-3972T**
9.50	160.0	250.0	**-3975C**
9.50	225.0	315.0	**-3976D**
10.00	160.0	250.0	**-3978F**
10.00	225.0	315.0	**-3979G**
10.00	310.0	400.0	**-3980H**
10.00	410.0	500.0	**-3981J**
11.00	160.0	250.0	**-3982K**
11.00	225.0	315.0	**-3983L**
11.00	310.0	400.0	**-3984M**
12.00	160.0	250.0	**-3986P**
12.00	225.0	315.0	**-3987Q**
12.00	310.0	400.0	**-3988R**
12.00	410.0	500.0	**-3989S**
13.00	160.0	250.0	**-3990T**
13.00	225.0	315.0	**-3991V**
13.00	310.0	400.0	**-3992W**
14.00	160.0	250.0	**-3994Y**
14.00	225.0	315.0	**-3995N**
14.00	310.0	400.0	**-3996A**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024
2 Morse Taper			
15.00	160.0	250.0	**-3997B**
15.00	225.0	315.0	**-3998C**
15.00	310.0	400.0	**-3999D**
15.00	410.0	500.0	**-4000E**
16.00	215.0	315.0	**-4001F**
16.00	300.0	400.0	**-4002G**
16.00	400.0	500.0	**-4003H**
17.00	215.0	315.0	**-4004J**
17.00	300.0	400.0	**-4005K**
18.00	215.0	315.0	**-4007M**
18.00	300.0	400.0	**-4008N**
18.00	400.0	500.0	**-4009P**
18.00	530.0	630.0	**-4010Q**
19.00	215.0	315.0	**-4011R**
19.00	300.0	400.0	**-4012S**
20.00	215.0	315.0	**-4015W**
20.00	300.0	400.0	**-4016X**
20.00	400.0	500.0	**-4017Y**
21.00	215.0	315.0	**-4019A**
21.00	300.0	400.0	**-4020B**
21.00	400.0	500.0	**-4021C**
22.00	215.0	315.0	**-4022D**
22.00	300.0	400.0	**-4023E**
22.00	400.0	500.0	**-4024F**
3 Morse Taper			
23.00	400.0	500.0	**-4028K**
24.00	275.0	400.0	**-4029L**
24.00	375.0	500.0	**-4030M**
25.00	275.0	400.0	**-4032P**
25.00	375.0	500.0	**-4033Q**
26.00	275.0	400.0	**-4035S**
26.00	375.0	500.0	**-4036T**
28.00	375.0	500.0	**-4041N**
28.00	505.0	630.0	**-4042A**
30.00	275.0	400.0	**-4043B**
30.00	375.0	500.0	**-4044C**
32.00	450.0	575.0	**-4045F**
35.00	450.0	575.0	**-4047B**
40.00	450.0	575.0	**-4048C**
45.00	600.0	725.0	**-4051B**
50.00	600.0	725.0	**-4055F**

Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024
1 Morse Taper			
1/4"	160	250	**-3731B**
11/32"	160	250	**-3754B**
3/8"	225	315	**-3763L**
13/32"	160	250	**-3769S**
27/64"	160	250	**-3773X**
15/32"	175	250	**-3784J**
1/2"	125	200	**-3790Q**
1/2"	160	250	**-3791R**
1/2"	310	400	**-3793T**
2 Morse Taper			
9/16"	215	315	**-3808K**
5/8"	215	315	**-3820Y**
11/16"	215	315	**-3833M**
3/4"	215	315	**-3845A**
3/4"	300	400	**-3846B**
3 Morse Taper			
1"	375	500	**-3879M**
1 1/8"	275	400	**-3885T**



HSS-Co 5% Taper Shank Drills

HSS-Co. 5%

High heat resistant drill for drilling alloyed and unalloyed steels and castings with a tensile strength over 800N/mm². Especially suitable for hot and cold rolled steels as well as case hardening and heat treatable steels. Manufactured to Type N **DIN 345**.



Series 345

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026
1 Morse Taper			
10.00	87.0	168.0	**-1824W**
10.50	87.0	168.0	**-1824X**
11.00	94.0	175.0	**-1824Y**
12.00	101.0	182.0	**-1825A**
12.50	101.0	182.0	**-1825B**
13.00	101.0	182.0	**-1825C**
13.50	108.0	189.0	**-1825D**
14.00	108.0	189.0	**-1825E**
14.50	114.0	212.0	**-1825F**
15.00	114.0	212.0	**-1825G**
15.50	120.0	218.0	**-1825H**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026
2 Morse Taper			
16.00	120.0	218.0	**-1825J**
16.50	125.0	223.0	**-1825K**
17.00	125.0	223.0	**-1825L**
17.50	130.0	228.0	**-1825M**
18.00	130.0	228.0	**-1825N**
18.50	135.0	233.0	**-1825P**
19.00	135.0	233.0	**-1825Q**
20.00	140.0	238.0	**-1825S**
21.00	145.0	243.0	**-1825V**
22.00	150.0	248.0	**-1825X**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026
3 Morse Taper			
24.00	160.0	281.0	**-1826B**
25.00	160.0	281.0	**-1826D**
26.00	165.0	286.0	**-1826F**
28.00	170.0	291.0	**-1826K**
30.00	175.0	296.0	**-1826P**
4 Morse Taper			
32.00	185.0	334.0	**-1826T**

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KENNEDY QUALITY INDUSTRIAL TOOLING

Industrial Quality Engineer's Hand Files

Available in a comprehensive range of shapes and sizes.
Manufactured to **BS 498 : 1990 and American Federal Standard GGG-f-325b.**

Bastard Cut



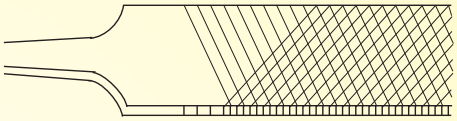
Second Cut



Smooth Cut



Double Cut - Two sets of diagonal rows of teeth, with the second set of teeth cut in opposite direction and on top of the first. The first set of teeth is known as 'overcut' and the second as 'upcut', upcut being the finer. Double cut files are used with heavier pressure than single cut and remove material faster from the workpiece.



Hand - Parallel edges, one edge uncut.
For flat filing, corner filing and deburring.
Multi-purpose and for other work where a 'safe' or uncut edge is needed. Double cut.



Flat - Edges taper towards front. Applications as for hand files. Preferred where taper allows access into tight corners and angles. For general work on iron, steel, etc.



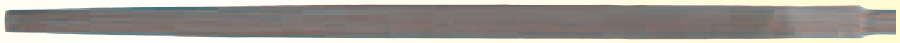
Round - Diameter tapers towards point.
Suitable for internal and external concave surfaces.



Half-Round - Edges and surfaces taper towards point.
Dual application; suitable for concave surfaces and flat filing. For rapid removal of metal.



Square - Parallel edges, surfaces taper towards point.
For groove, rectangular hole and internal corner filing.
Preferable to a Flat File because of its heavier section.



Three Square - Equilateral section (60° angles).
Tapered towards point. For filing acute angles, internal corners and flat filing, clearing out square corners.



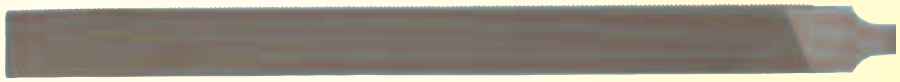
Knife - Two equal surfaces, tapered to knife point. For filing and deburring narrow grooves, slits and gear-teeth. Used principally by tool and die makers on work having acute angles.



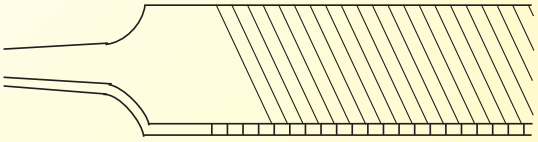
Warding - Parallel surfaces, edges tapered to a point. For narrow grooves, keyways, slots etc. Warding Files are used by locksmiths in repairing or filing ward notches in keys.
Also suited for use in narrow spaces.
All sides double cut.



Pillar - Parallel edges, surfaces tapered towards end.
Narrow version of hand file. For use where access is restricted. These files are designed for millwrights and mechanics for use in enlarging key-ways, slots, etc., close to the shoulder.



Single Cut - Single set of parallel diagonal rows of teeth, Often used with light pressure to produce a smooth surface finish or put a keen edge on knives, shears and saws.



Double Ended Saw - Edges taper towards point. For filing and sharpening saws.
Points are left uncut. Instead of having a tang, both ends are tapered.
They are used for sharpening saws having a 60° angle.
The teeth are cut from each end towards the centre.



Taper Saw - Edges taper towards point. For filing and sharpening hand saws.
Points are left uncut. Taper Saw Files are used for filing every type of handsaw which have 60° angle teeth.
These files are single cut with edges that are set and cut for filing the gullet between the saw teeth.



Mill Saw - Available with one or two round edges.
Parallel edges, both edges cut for filing and sharpening saws.



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KENNEDY PROFESSIONAL Engineer's Files with Handles

Fitted with ergonomically designed handles for a comfortable improved grip. Files manufactured from T12 CH-Moly alloy tool steel, hardened and tempered. Supplied in a woven wallet for easy storage.

Manufactured to BS498:1990 and American Federal Standard GGG-F325B.



Overall Length	Cut	Shape	Order Code KEN-030
150mm (6")	Second	Hand	-2070K
		Flat	-2170K
		Round	-2270K
		Half Round	-2370K
200mm (8")	Second	Hand	-4070K
		Flat	-4170K
		Round	-4270K
		Half Round	-4370K
250mm (10")	Second	Hand	-6070K
		Flat	-6170K
		Round	-6270K
		Half Round	-6370K

All files on this page feature the new **Kennedy Professional Grip** handles



Intelligent design for maximum control and reduced fatigue

Engineer's File Sets

4 Piece Sets
Set contains Hand, Flat, Round and Half Round second engineer's Sets available in 150mm (6"), 200mm (8") and 250mm (10").



NEW

4 PIECES

Overall Length	No. of Pieces	Cut	Order Code KEN-030
150mm (6")	4	Second	-9740K
200mm (8")			-9760K
250mm (10")			-9780K

"Three-cut" Files with Handles

Unique Design - Three Files in One!

Triangular file, each face with a different cut; smooth cut (cut 1); second cut (cut 2) and bastard cut (Cut 3). Complete with bi-material handle designed for maximum comfort and added grip.

File length: 200mm (8").



NEW

Smooth Cut (Cut 1)



Second Cut (Cut 2)



Bastard Cut (Cut 3)



Overall Length	Cut	Shape	Order Code KEN-030
200mm (8")	Smooth Second Bastard	Triangular	-4540K

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KENNEDY Engineer's Hand Files

Available in a comprehensive range of shapes and sizes.
Manufactured to **BS 498 : 1990 and American Federal Standard GGG-f-325b**.

Bastard Cut



Second Cut



Smooth Cut



KENNEDY PROFESSIONAL Professional File Handles

Polypropylene file handles with integral hanging hole and covered with a ribbed rubber grip for increased purchase and added comfort.

Available in three sizes:
0, 1 and 2.



Size	Suitable File Length (mm)	Order Code KEN-531
No. 0	100 - 150	**-5000K**
No. 1	200 - 250	**-5010K**
No. 2	300 - 400	**-5020K**



Overall Length	Type	Smooth Cut Weight per 10	Smooth Cut Order Code KEN-030	Second Cut Weight per 10	Second Cut Order Code KEN-030	Bastard Cut Weight per 10	Bastard Cut Order Code KEN-030
100mm (4")	Hand	0.27kg	**-0010K**	0.27kg	**-0020K**	0.27kg	**-0030K**
	Flat	0.27kg	**-0110K**	0.26kg	**-0120K**	0.26kg	**-0130K**
	Round	0.09kg	**-0210K**	0.09kg	**-0220K**	0.09kg	**-0230K**
	Half Round	0.29kg	**-0310K**	0.29kg	**-0320K**	0.29kg	**-0330K**
	Square	0.10kg	**-0410K**	0.10kg	**-0420K**	0.12kg	**-0430K**
	3 Square	0.27kg	**-0510K**	0.29kg	**-0520K**	0.31kg	**-0530K**
	Warding	0.11kg	**-0710K**	0.12kg	**-0720K**	0.12kg	**-0730K**
150mm (6")	Hand	0.73kg	**-2010K**	0.73kg	**-2020K**	0.77kg	**-2030K**
	Flat	0.74kg	**-2110K**	0.71kg	**-2120K**	0.71kg	**-2130K**
	Round	0.35kg	**-2210K**	0.34kg	**-2220K**	0.35kg	**-2230K**
	Half Round	0.72kg	**-2310K**	0.72kg	**-2320K**	0.72kg	**-2330K**
	Square	0.37kg	**-2410K**	0.40kg	**-2420K**	0.40kg	**-2430K**
	3 Square	0.86kg	**-2510K**	0.82kg	**-2520K**	0.82kg	**-2530K**
	Knife	0.59kg	**-2610K**	0.62kg	**-2620K**	0.62kg	**-2630K**
	Warding	0.35kg	**-2710K**	0.36kg	**-2720K**	0.36kg	**-2730K**
	Pillar	0.35kg	**-2810K**	0.35kg	**-2820K**	0.36kg	**-2830K**
	Double Ended		-	0.33kg	**-2930K**		-
	Taper Saw		-	0.88kg	**-2940K**		-
175mm (7")	Double Ended		-	0.34kg	**-3930K**		-
200mm (8")	Hand	1.70kg	**-4010K**	1.75kg	**-4020K**	1.60kg	**-4030K**
	Flat	1.35kg	**-4110K**	1.35kg	**-4120K**	1.35kg	**-4130K**
	Round	0.60kg	**-4210K**	0.60kg	**-4220K**	0.60kg	**-4230K**
	Half Round	1.50kg	**-4310K**	1.50kg	**-4320K**	1.55kg	**-4330K**
	Square	0.81kg	**-4410K**	0.85kg	**-4420K**	0.83kg	**-4430K**
	3 Square	2.00kg	**-4510K**	1.80kg	**-4520K**	1.90kg	**-4530K**
	Knife	1.35kg	**-4610K**	1.40kg	**-4620K**	1.30kg	**-4630K**
	Warding	1.00kg	**-4710K**	0.90kg	**-4720K**	0.76kg	**-4730K**
	Pillar	0.67kg	**-4810K**	0.85kg	**-4820K**	0.70kg	**-4830K**
	Millsaw		-	1.90kg	**-4920K**		-
	Double Ended		-	0.50kg	**-4930K**		-
	Taper Saw		-	0.72kg	**-4940K**		-
225mm (9")	Double Ended		-	0.75kg	**-5930K**		-
255mm (10")	Hand	3.00kg	**-6010K**	3.10kg	**-6020K**	3.10kg	**-6030K**
	Flat	2.90kg	**-6110K**	2.90kg	**-6120K**	2.70kg	**-6130K**
	Round	1.30kg	**-6210K**	1.30kg	**-6220K**	1.25kg	**-6230K**
	Half Round	2.55kg	**-6310K**	2.55kg	**-6320K**	2.60kg	**-6330K**
	Square	1.60kg	**-6410K**	1.70kg	**-6420K**	1.75kg	**-6430K**
	3 Square	1.85kg	**-6510K**	2.70kg	**-6520K**	3.00kg	**-6530K**
	Warding		-	1.60kg	**-6720K**	1.50kg	**-6730K**
	Millsaw		-	2.10kg	**-6910K**		-
	Double Ended		-	0.97kg	**-6930K**		-
305mm (12")	Hand	4.30kg	**-7010K**	4.35kg	**-7020K**	4.40kg	**-7030K**
	Flat	4.20kg	**-7110K**	4.30kg	**-7120K**	4.50kg	**-7130K**
	Round	2.50kg	**-7210K**	2.40kg	**-7220K**	2.45kg	**-7230K**
	Half Round	4.60kg	**-7310K**	4.35kg	**-7320K**	4.40kg	**-7330K**
	Square	3.20kg	**-7410K**	3.25kg	**-7420K**	1.40kg/5	**-7430K**
	3 Square	4.50kg	**-7510K**	4.95kg	**-7520K**	4.55kg	**-7530K**
	1 Round Edge Mill		-	1.20kg/5	**-7910K**		-
355mm (14")	Hand	3.70kg/5	**-8010K**	3.70kg/5	**-8020K**	3.40kg/5	**-8030K**
	Flat	2.23kg/5	**-8110K**	3.45kg/5	**-8120K**	3.30kg/5	**-8130K**
	Round	2.45kg/5	**-8210K**	2.50kg/5	**-8220K**	2.55kg/5	**-8230K**
	Half Round	2.90kg/5	**-8310K**	3.50kg/5	**-8320K**	3.55kg/5	**-8330K**
	Square	3.10kg/5	**-8410K**	3.00kg/5	**-8420K**	3.07kg/5	**-8430K**
	3 Square		-	3.35kg/5	**-8520K**	3.50kg/5	**-8530K**
405mm (16")	Hand		-		-	5.30kg/5	**-9030K**
	Flat		-	5.10kg/5	**-9120K**	5.00kg/5	**-9130K**
	Half Round		-	4.85kg/5	**-9320K**	4.75kg/5	**-9330K**
	Square		-		-	4.45kg/5	**-9430K**

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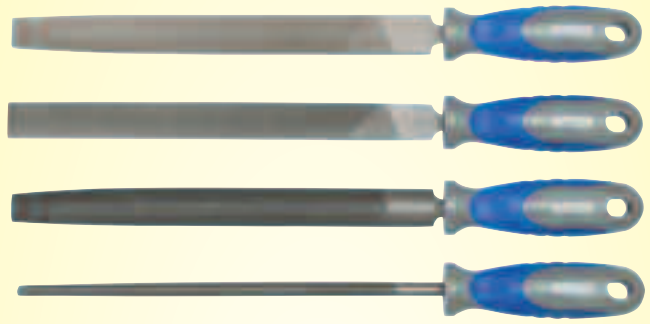
SENATOR QUALITY TOOLING Engineer's File Sets

A selection of popular engineer's files suitable for filing and deburring on a wide variety of materials. Double cut teeth for rapid metal removal. Ideal for workshop or garage. Manufactured to **BS498:1990** and American Federal Standard **GGG-F-3256**.

Contents (1 of each):
bastard cut hand, second cut flat, round and half round.

4 PIECES

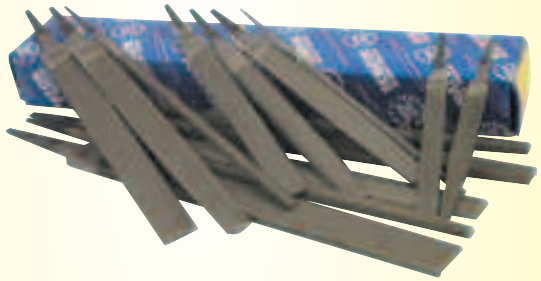


Number of Pieces	Size	Order Code SEN-030
4	150mm (6")	-9510K
4	200mm (8")	-9520K
4	255mm (10")	-9530K

Engineer's Second Cut File Set

A selection of popular engineer's files suitable for filing and deburring on a wide variety of materials. Ideal for workshop or garage. Double cut teeth for rapid metal removal.

Contents (1 of each) Second Cut:
Hand: 305mm (12"), 255mm (10"), 200mm (8"), 125mm (5").
Flat: 305mm (12"), 255mm (10"), 200mm (8"), 125mm (5").
Round: 305mm (12"), 255mm (10"), 200mm (8").
Half round: 305mm (12"), 255mm (10"), 200mm (8").



14 PIECES

Number of Pieces	Order Code SEN-030
14	-9800K

Engineer's File Set

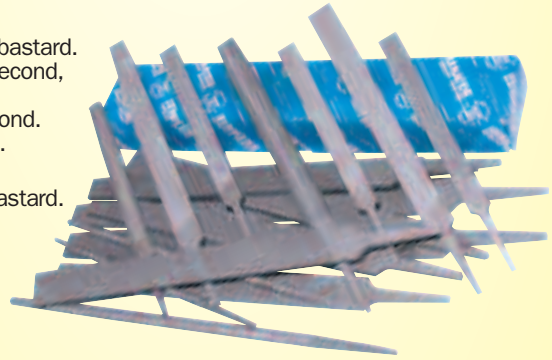
A selection of popular engineer's files suitable for filing and deburring on a wide variety of materials. Ideal for workshop or garage. Double cut teeth for rapid metal removal.

Contents: (1 of each)
150mm (6"):
Hand: smooth, second. **Flat:** smooth, second, bastard.
Half round: second. **Round:** bastard.

200mm (8"):
Hand: second. **Flat:** second. **Half Round:** second. **Round:** second.

255mm (10"):
Hand: second, bastard.
Flat: smooth, second, bastard.
Half round: second.
Round: bastard.

305mm (12"):
Flat: second, bastard.

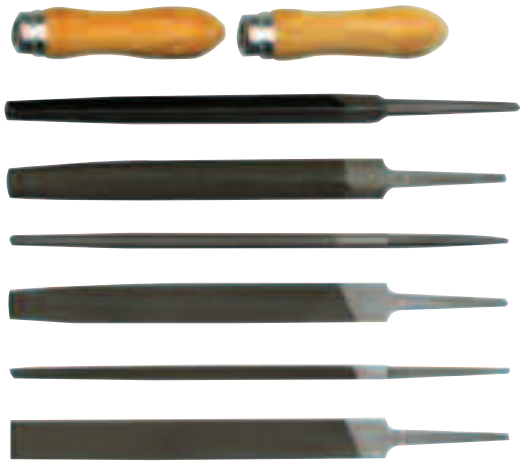


20 PIECES

Number of Pieces	Order Code SEN-030
20	-9840K

KENNEDY QUALITY INDUSTRIAL TOOLING Engineer's Second Cut File Sets

Contents (1 of each):
flat, hand, round, half-round three-square and square. Plus two file handles, supplied in PVC wallet. Manufactured to **BS498 : 1990 & US Federal Standards**.



8 PIECES

Number of Pieces	Set Size	Handle Size	Weight each	Order Code KEN-030
8	150mm (6")	75mm (3")	0.44kg	-9860K
8	200mm (8")	100mm (4")	0.89kg	-9880K
8	255mm (10")	125mm (5")	1.65kg	-9900K

Engineer's Double Cut File Set

Bastard cut one side and 2nd cut on other.

Contents (1 of each):
three square, half round and round bastard cut files, flat, hand and square 'double cut'. 200mm (8"). Supplied with two file handles in plastic wallet.



8 PIECES

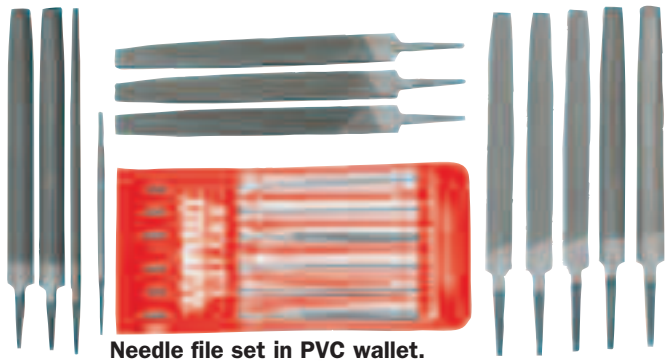
Number of Pieces	Order Code KEN-030
8	-9930K

Second Cut File Set

Contents:
(1 of each) 150mm (6") and 255mm (10") files;
(3 of each) flat;
(2 of each) half-round;
(1 of each) round;
1 of 6 piece 16cm cut 2, needle file set.

18 PIECES





Needle file set in PVC wallet.

Number of Pieces	Order Code KEN-030
18	-9990K

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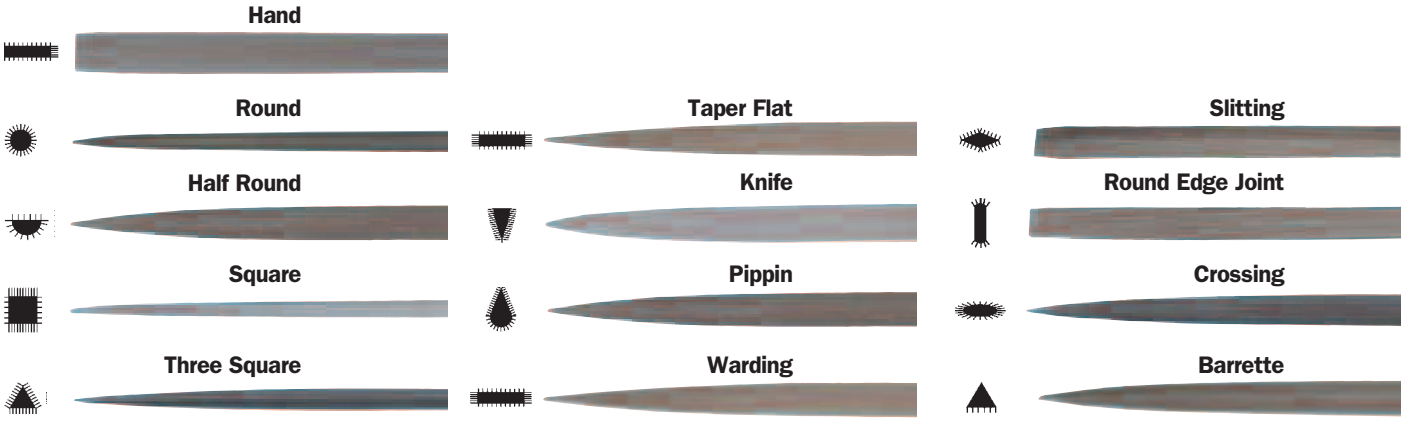
GROUP 031

NEEDLE FILES

KENNEDY Precision Hand Files Needle Pattern (Round Handle)

Available in 14cm and 16cm lengths and a complete range of shapes. Manufactured to **BS 498:1990**.



Overall Length	Type	Weight per 10	Cut 0 Order Code KEN-031	Cut 2 Order Code KEN-031	Cut 4 Order Code KEN-031
140mm (5½")	Hand	80g	-5000K	-5020K	-5040K
	Round	75g	-5200K	-5220K	-5240K
	Half Round	75g	-5300K	-5320K	-5340K
	Square	80g	-5400K	-5420K	-5440K
	3 Square	70g	-5500K	-5520K	-5540K
	Taper Flat	70g	-	-5560K	-5570K
	Knife	70g	-5600K	-5620K	-5640K
	Warding	70g	-5700K	-5720K	-5740K
	Slitting	80g	-	-5820K	-
	Crossing	75g	-	-5920K	-
	Barrette	80g	-	-5960K	-
160mm (6½")	Hand	80g	-6000K	-6020K	-6040K
	Round	75g	-6200K	-6220K	-6240K
	Half Round	75g	-6300K	-6320K	-6340K
	Square	80g	-6400K	-6420K	-
	3 Square	70g	-6500K	-6520K	-6540K
	Taper Flat	70g	-	-6560K	-
	Knife	70g	-6600K	-6620K	-
	Warding	70g	-6700K	-6720K	-
	Slitting	80g	-	-6820K	-
	Crossing	75g	-	-6920K	-
	Barrette	80g	-	-6960K	-

Needle File Sets

Supplied in PVC wallet. Manufactured to **BS 498:1990.** Cut 2.

6 Piece Set (1 of each): flat, hand, half round, round, square, three square

6 PIECES

12 Piece Set (1 of each): hand, flat, knife, round, half round, square, three square, crossing, round edge joint, slitting, warding, barrette.

12 PIECES



Number of Pieces	Weight each	Order Code KEN-031
14cm		
6	50g	-5980K
12	120g	-5990K
16cm		
6	70g	-6980K
12	150g	-6990K

SENATOR QUALITY TOOLING Needle File Sets

Supplied in PVC wallet. Manufactured to **BS 498:1990.** Cut 2.

6 Piece Set (1 of each): warding, hand, half round, round, square, three square.

6 PIECES

12 Piece Set (1 of each): hand, flat, knife, round, half round, square, three square, crossing, round edge joint, slitting, warding, barrette.

12 PIECES



Number of Pieces	Weight each	Order Code SEN-031
16cm		
6	50g	-6980K
12	120g	-6990K

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KENNEDY QUALITY INDUSTRIAL TOOLING

Diemakers Riffler Files

Swiss Pattern
Available in a complete range of shapes, the 15cm are used by diemakers, jewellers, silversmiths, engravers etc.
All are double ended with the same cut both ends.

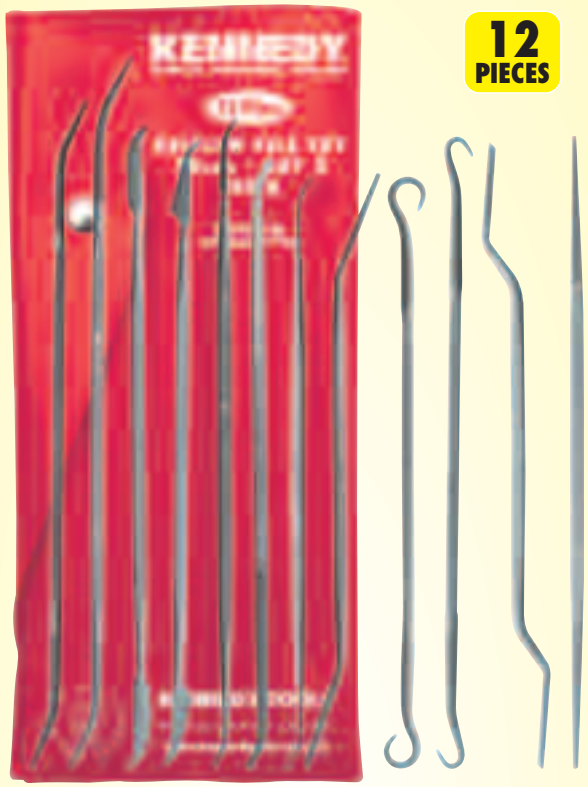


15cm Riffler Files - Cut 2

Illustration	Style Number	Weight per 10	Order Code KDY-031
	900	120g	**-7020K**
	905	110g	**-7100K**
	911	120g	**-7180K**
	913	120g	**-7260K**
	914	120g	**-7300K**
	915	120g	**-7340K**
	916	110g	**-7380K**
	917	120g	**-7420K**
	918	110g	**-7460K**
	931	120g	**-7620K**
	940	90g	**-7660K**
	943	120g	**-7780K**
	952	110g	**-7900K**
	955	120g	**-7980K**
	957	120g	**-8060K**
	963	120g	**-8220K**
	981	120g	**-8620K**
	982	100g	**-8660K**
	983	100g	**-8700K**
	984	100g	**-8740K**
	985	140g	**-8780K**
	986	120g	**-8820K**
	987	130g	**-8860K**
	996	120g	**-9060K**

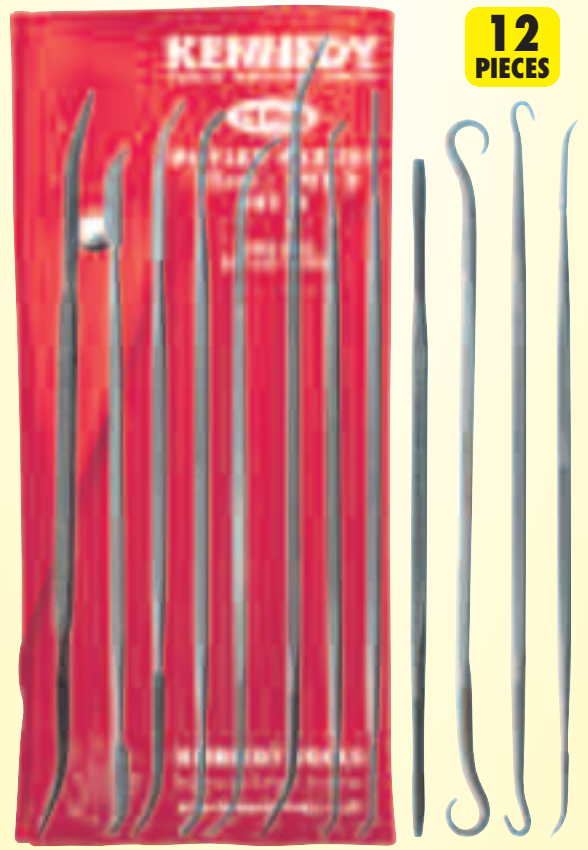
Riffler File Set

Set A 15cm - Cut 2
Contents (1 of each):
900, 911, 914, 916, 918, 940, 952, 957, 981, 983, 985 and 987.



Number of Pieces	Weight Set	Order Code KDY-031
12	310g	**-9110K**

Set B 15cm - Cut 2
Contents (1 of each):
905, 913, 915, 917, 931, 943, 955, 963, 982, 984, 986 and 996.



Number of Pieces	Weight Set	Order Code KDY-031
12	310g	**-9120K**

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KENNEDY Milled Tooth Hand Files

Manufactured from alloy steel and feature undercut teeth that produce a more aggressive cut than conventional files and requires less operator effort. Suitable for use on a wide variety of materials including aluminium, steels, alloys, brass, copper, wood, plastics etc. Available as standard cut in four blade lengths and two tooth forms. Other styles are available on request.

Please note: handles are not supplied as standard and should be ordered separately as required.

Straight Tooth



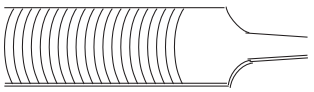
Overall Length	Weight per 10	Order Code KEN-032
200mm (8”)	1.30kg	**-2080K**
255mm (10”)	2.10kg	**-2100K**
305mm (12”)	2.90kg	**-2120K**
355mm (14”)	5.30kg	**-2140K**



Curved Tooth Files

Curved Cut

Teeth are arranged in curved contours across the file face. Normally used in automotive body shops for smoothing body panels.

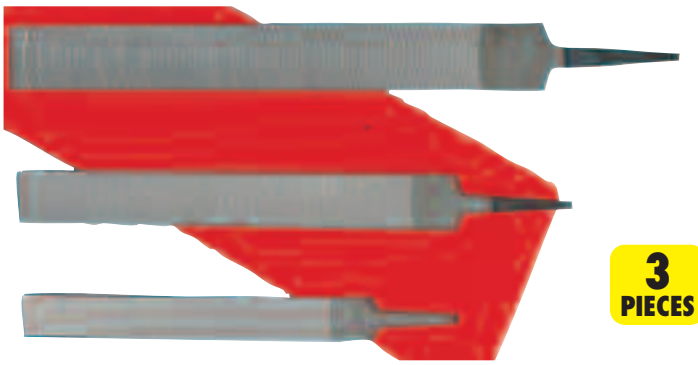




Overall Length	Weight per 10	Order Code KEN-032
200mm (8”)	1.30kg	**-1080K**
255mm (10”)	2.00kg	**-1100K**
305mm (12”)	4.00kg	**-1120K**
355mm (14”)	5.90kg	**-1140K**

Curved Tooth File Set

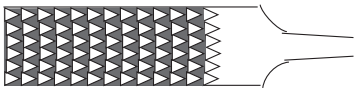
Contents: (1 of each) Flat, 200mm (8”), 255mm (10”) and 305mm (12”) standard cut.



Number of Pieces	Weight each	Order Code KEN-032
3	765g	**-1830K**

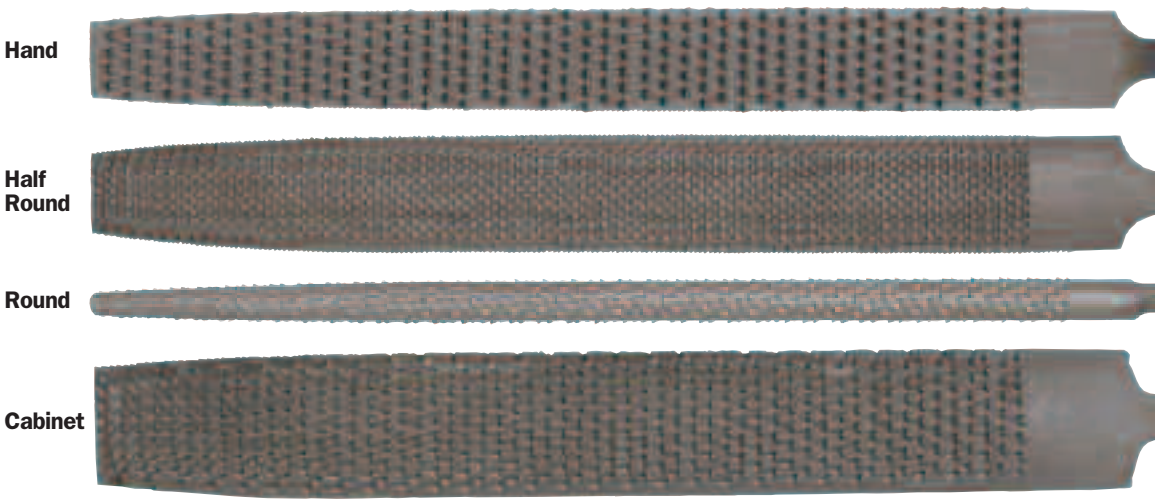
Rasp Cut Files

Series of individual teeth which are formed by a single pointed tool.
Produces a rough cut that is used primarily on wood, hooves, aluminium and lead.



Rasps

Designed for general use and best suited to softer materials such as wood, plastics, fillers, leather and lead.





Overall Length	Type	Weight per 10	Smooth Order Code KEN-032	Second Order Code KEN-032	Bastard Order Code KEN-032
150mm (6”)	Hand	0.80kg	-	**-3020K**	**-3030K**
	Half Round	0.80kg	**-3110K**	**-3120K**	**-3130K**
	Round	0.80kg	-	**-3220K**	**-3230K**
200mm (8”)	Hand	1.70kg	**-3610K**	**-3620K**	**-3630K**
	Half Round	1.50kg	**-3710K**	**-3720K**	**-3730K**
	Round	0.90kg	-	-	**-3830K**
	Cabinet	2.10kg	-	-	**-3930K**
255mm (10”)	Hand	2.75kg	**-4210K**	**-4220K**	**-4230K**
	Half Round	2.65kg	**-4310K**	**-4320K**	**-4330K**
	Round	1.70kg	**-4410K**	**-4420K**	**-4430K**
	Cabinet	3.00kg	-	**-4520K**	**-4530K**
305mm (12”)	Hand	4.60kg	**-4810K**	**-4820K**	**-4830K**
	Half Round	4.60kg	-	**-4920K**	**-4930K**
	Round	2.50kg	-	**-5020K**	**-5030K**
	Cabinet	4.00kg	-	-	**-5130K**

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SENATOR QUALITY TOOLING Diamond Needle & Riffler Files

14cm
Diamond files, with soft touch foam rubber handles for comfort.

DIAMOND

Flat



Three square



905



911



940



952



961



963



985



Style	Order Code SEN-033
Flat	-1510K
3 Square	-1560K
905	-2010K
911	-2020K
940	-2030K
952	-2040K
961	-2050K
963	-2060K
985	-2070K

Diamond Riffler & Needle File Set

14cm
Contains the most commonly used shapes, supplied in a vinyl wallet.

Contents:
1x of each needle file:
flat, three square and slitting.

1x of each style riffler:
985, 911, 905, 940, 952, 961 and 963.

DIAMOND

10 PIECES



Number of Pieces	Order Code SEN-033
10	-2700K

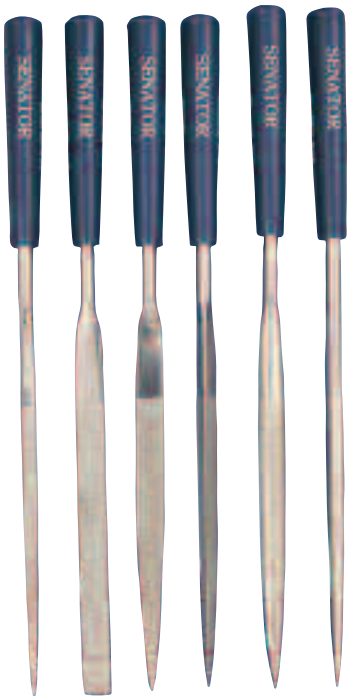
Diamond Needle File Set

DIAMOND

6 PIECES

16cm
150 grain (medium grade).
With tapered handles. Supplied in PVC wallet. Suitable for light duty and workshop use.

Contents: hand, half round, three square, round, square and knife.



Number of Pieces	Weight each	Order Code SEN-033
6	115g	-0600K

KENNEDY QUALITY INDUSTRIAL TOOLING Industrial Diamond Coated Needle Files

DIAMOND

16cm
Available in seven shapes and two grain sizes offering the solution to finishing problems where material hardness makes conventional files ineffective. Plated with finely selected diamond powder, 120 - 150 mesh. Can be used on tungsten carbide, ceramics, carbon, glass, fibreglass and hardened steels such as stainless steel, nimonics, titanium etc.

Hand



Half Round



Three Square



Round



Square



Knife



Flat



Type	Weight per 6	120/140 Grain Order Code KEN-033	325/400 Grain Order Code KEN-033
Hand	70g	-0020K	-0220K
H/Round	60g	-0040K	-0240K
3 Square	60g	-0060K	-0260K
Round	60g	-0080K	-0280K
Square	60g	-0100K	-0300K
Knife	60g	-0120K	-0320K
Flat	60g	-0140K	-0340K

Diamond Needle File Set

DIAMOND

6 PIECES

16cm
120/140 grain.

Contents: hand, half round, three square, round, square and knife.



Number of Pieces	Weight each	Order Code KEN-033
6	60g	-0500K

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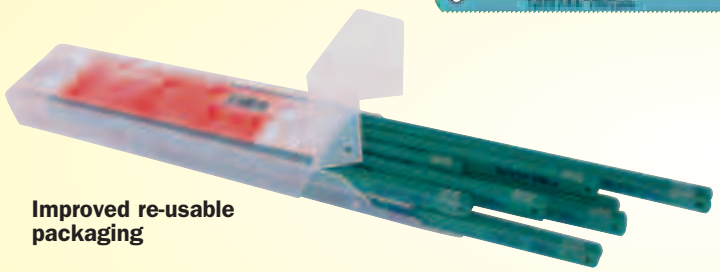
KENNEDY Flexible Back Bi-metal Hacksaw Blades

The perfect combination of shatter resistant spring steel, used as the backing material, and tough, wear-resistant HSS teeth - Electron-beam welded together. Ideal for interrupted cuts in cramped places or where the blade is subject to stress caused by twisting or bending. Provides optimum tooth strength/life and reduced breakage and fracture when compared to traditional all-hard blades.
Made to BS 1919 : Part 1: 1993.





Improved re-usable packaging

Length	Width	Thickness	TPI	Weight per 100	Order Code KEN-040
10"	½"	.025	18T	1.50kg	**-2130K**
10"	½"	.025	24T	1.40kg	**-2250K**
10"	½"	.025	32T	1.40kg	**-2320K**
12"	½"	.025	14T	1.70kg	**-2510K**
12"	½"	.025	18T	1.70kg	**-2630K**
12"	½"	.025	24T	1.70kg	**-2750K**
12"	½"	.025	32T	1.70kg	**-2870K**

TPI Selection Guide

Group	Materials	Brinell Hardness HB	Rockwell Hardness HRC	Tensile Strength N/mm2	Number of Teeth per Inch Section thickness or diameter		
					Below 2mm	2 - 5 mm	Above 5mm
1.1	Mild steel	<200	-	<700	32	24	18
1.4 to 1.5	Alloy steel & tool steel low to medium	<260	<26	<850	32	24	18 - 24
1.6	High alloy steel	>340	>36	>1200	32	24	24
2.1	Stainless steels	<290	<30	<1000	32	24	28
3.1	Grey cast iron	<300	-	-	24 - 32	18 - 24	18
6.1	Asbestos and copper	-	-	<500	24 - 32	18 - 24	18
6.3	Brass and bronze	-	-	<500	24 - 32	18 - 24	18
7.1	Aluminium	-	-	<500	24 - 32	18 - 24	18
8.1	Hard plastic	-	-	-	24 - 32	18 - 24	18

HSS All Hard Hacksaw Blades

Fully hardened for extra long tooth life and maximum straightness of cut. For use where workpiece is held securely in place.
Made to **BS 1919 : Part 1: 1993**.





Improved re-usable packaging

Length	Width	Thickness	TPI	Weight per 100	Order Code KEN-040
10"	½"	.025	18T	1.40kg	**-3130K**
10"	½"	.025	24T	1.40kg	**-3250K**
12"	½"	.025	14T	1.70kg	**-3510K**
12"	½"	.025	18T	1.70kg	**-3630K**
12"	½"	.025	24T	1.70kg	**-3750K**
12"	½"	.025	32T	1.70kg	**-3870K**



Coping Saw Blades

For cutting and shaping in wood. Supplied in packs of 10.



Length	TPI	Weight per 100	Order Code KEN-040
150mm (6")	14	250g	**-1020K**

Tile Saw Blades

For cutting and shaping ceramic tiles. Supplied in packs of 10.



Length	Grit Size	Pack Qty	Order Code KEN-040
150mm (6")	Medium	1	**-1400K**

SENATOR QUALITY TOOLING Flexibe High Carbon Hacksaw Blades

For general cutting/sawing. Available in a choice of 18 and 24TPI.
Made to **BS 1919 : Part 1: 1993**.
Packs of 10.

NEW

PACK OF 10





Length	Width	Thickness	TPI	Weight per pack	Order Code SEN-040
12"	½"	.025	18T	200g	**-2630K**
12"	½"	.025	24T	200g	**-2750K**

Junior Hand Saw Blades

Designed for use across a wide range of ferrous and non-ferrous materials. Suitable for mini hand saws and junior hacksaws.
Made to **BS 6271 : 1990**.



Type	Length	TPI	Weight per 100	Order Code KEN-040
Metal Pack 10	150mm (6")	32	420g	**-0620K**
Wood	150mm (6")	14	390g	**-0640K**

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KENNEDY Industrial Power/ Machine Saw Blades

Designed for use across a wide range of ferrous and non-ferrous materials.

Power Saw Blade Selection

Power Saw Hacksaw Blade Tooth Recommendations

TPI	Suitable for Section Width
18	up to 13mm (up to ½")
14	6 to 19mm (¼" to ¾")
10	8 to 25mm (5/16" to 1)
6	13 to 38mm (½" to 1 ½")
4	19mm and above (¾" and above)

Type of Machine	Coolant Required	Unannealed Tool Steel & Hard Metals	Annealed Tool Steel	Machinery Steel & Soft Metal
Light	No	40spm	50 - 60spm	50-60spm
Medium	No	40spm	50 - 60spm	50-60spm
Medium	Yes	60spm	60 - 90spm	100-110spm
Heavy	Yes	60spm	90spm	110-120spm
Ex. Heavy	Yes	60spm	90spm	110-120spm

18 Teeth Per Inch
Recommended for cutting thin cross-sections such as tubing, small bars and light angle iron. Because blades are relatively thin they should be used only on light machines.

10 - 14 Teeth Per Inch
Recommended for cutting small cross sections and hard stock. This is the most popular choice for machine shops that are cutting a wide variety of materials.

4 - 6 Teeth Per Inch
Recommended for cutting large sections of softer ferrous metals, most alloy steels and all non-ferrous metals. The increased gullet clearance is able to handle heavy chips without clogging.

Operating Recommendations
Lower speeds and higher feed give best results. Ensure that the machine lifts the blade slightly on the return stroke. Exact speed and feed for each job can be established only from tests. The table below is to be used for guidance only.

When matching a section thickness against a suitable Blade TPI there are usually a number of blade options - Use coarse pitches (less TPI) for faster cutting and finer pitches (more TPI) for better surface finishes.

HSS All Hard Power Saw Blades

Recommended for cutting thin cross-sections such as tubing, small bars and light angle iron. Because blades are relatively thin they should be used only on light machines.





Length	Width	Thickness	TPI	Weight per 10	Order Code KEN-040
12"	5/8"	.032"	18T	0.36kg	**-4630K**
12"	1"	.050"	10T	0.78kg	**-5030K**
12"	1"	.050"	14T	0.79kg	**-5040K**
14"	1"	.050"	10T	0.93kg	**-5130K**
14"	1"	.050"	14T	0.80kg	**-5140K**
14"	1¼"	.062"	6T	1.30kg	**-5200K**
14"	1¼"	.062"	10T	1.30kg	**-5220K**
14"	1¼"	.062"	14T	1.30kg	**-5230K**
16"	1¼"	.062"	6T	1.40kg	**-5390K**
16"	1¼"	.062"	10T	0.90kg	**-5410K**
16"	1¼"	.062"	14T	1.60kg	**-5420K**
16"	1½"	.062"	4T	2.20kg	**-5490K**
16"	1½"	.062"	6T	2.20kg	**-5500K**
17"	1¼"	.062"	10T	1.80kg	**-5530K**
18"	1¼"	.062"	6T	1.90kg	**-5550K**
18"	1¼"	.062"	10T	1.60kg	**-5570K**
18"	1½"	.075"	6T	2.55kg	**-5650K**
19"	1¾"	.088"	6T	3.80kg	**-5720K**
20"	1½"	.075"	6T	3.20kg	**-5750K**
21"	1½"	.075"	6T	3.00kg	**-5770K**
21"	1½"	.075"	10T	3.00kg	**-5790K**
21"	1¾"	.088"	6T	5.30kg	**-5820K**
24"	2"	.100"	6T	6.30kg	**-5960K**

Speeds & Feeds - Recommended speeds, strokes per minute and TPI.

Group	Materials	Brinell Hardness HB	Rockwell Hardness HRC	Tensile Strength N/mm²	Cutting Speed m/min	Strokes Per Min	Section Thickness or diameter-Recommended TPI			
							Below 10mm	10-40 mm	40-80 mm	Above 80mm
1.1 to 1.2	General purpose steels mild and structural	<200	-	<700	25 - 35	70 - 90	14	10 - 6	6 - 4	4
1.3	Non-alloy, plain and medium carbon steels and castings	<260	<26	<850	20 - 30	50 - 70	14	10 - 6	6 - 4	4 - 3
1.4	Alloy steels generally low to medium steels and castings	<260	<26	<850	20 - 30	50 - 70	14	10 - 6	6 - 4	4 - 3
1.5	Medium to high alloy steels tool steels and steel castings	>260 <340	>26 <36	>850 <1200	18 - 28	40 - 60	14	10 - 6	6 - 4	4 - 3
1.6	Heat treated high alloy steels and castings	>340 <450	>36 <48	>1200 <1500	15 - 25	30 - 45	14	10 - 6	6 - 4	4 - 3
2.1 to 2.3	Stainless steels free machine and austenitic	<290	<30	<1000	10 - 25	40 - 60	14	10 - 6	6 - 4	4 - 3
3.1 to 3.2	Grey cast iron	<300	-	-	30 - 40	70 - 90	14	10 - 6	6 - 4	4 - 3
3.3 to 3.4	S.G. iron nodular and malleable	<300	-	-	30 - 40	70 - 90	14	10 - 6	6 - 4	4 - 3
6.1 to 6.3	Non ferrous metals brass, copper and bronze	-	-	<800	40 - 60	80 - 115	14	10 - 6	6 - 4	4 - 3
7.1 to 7.4	Aluminium alloys to zinc and magnesium	-	-	<50	40 - 60	80 - 115	14 - 10	10 - 6	6 - 4	4 - 3

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KENNEDY
QUALITY INDUSTRIAL TOOLING

Constant Pitch Bi-Metal HSS Holesaws

CONSTANT PITCH FOR SHEET UP TO 3mm

Featuring a constant pitch - first choice for cutting thin sheet materials up to 3mm thick. For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring a hardened HSS cutting edge welded to a tough alloy steel body. Heavy duty shatter-resistant construction, virtually unbreakable.

6 teeth per inch.
38mm (1½") cutting depth.



Holesaw Sizes	Use Arbor
14 to 30mm	K1 or K4
32 to 210mm	K2 or K10

Cutting Dia. (mm)	Weight each	Order Code KEN-050
14 (9/16")	27g	-0140K
16 (5/8")	28g	-0160K
17 (11/16")	35g	-0170K
19 (3/4")	34g	-0190K
20 (25/32")	39g	-0200K
21 (13/16")	39g	-0210K
22 (7/8")	46g	-0220K
24 (15/16")	57g	-0240K
25 (1")	61g	-0250K
27 (1 1/16")	74g	-0270K
29 (1 1/8")	83g	-0290K
30 (1 3/16")	93g	-0300K
32 (1 1/4")	75g	-0320K
33 (1 5/16")	81g	-0330K
35 (1 3/8")	93g	-0350K
37 (1 7/16")	100g	-0370K
38 (1 1/2")	86g	-0380K
40 (1 9/16")	91g	-0400K
41 (1 5/8")	100g	-0410K
43 (1 11/16")	100g	-0430K
44 (1 3/4")	100g	-0440K
46 (1 13/16")	110g	-0460K
48 (1 7/8")	110g	-0480K
51 (2")	120g	-0510K
52 (2 1/16")	120g	-0520K
54 (2 1/8")	130g	-0540K
56 (2 3/16")	135g	-0560K
57 (2 1/4")	140g	-0570K
59 (2 5/16")	150g	-0590K
60 (2 3/8")	160g	-0600K
64 (2 1/2")	170g	-0640K
65 (2 9/16")	180g	-0650K
67 (2 5/8")	190g	-0670K
68 (2 11/16")	200g	-0680K
70 (2 3/4")	210g	-0700K
73 (2 7/8")	230g	-0730K
76 (3")	230g	-0760K
79 (3 1/8")	260g	-0790K
83 (3 1/4")	310g	-0830K
86 (3 3/8")	330g	-0860K
89 (3 1/2")	330g	-0890K
92 (3 5/8")	330g	-0920K
95 (3 3/4")	365g	-0950K
102 (4")	365g	-1020K
105 (4 1/8")	400g	-1050K
108 (4 1/4")	400g	-1080K
111 (4 3/8")	435g	-1110K
114 (4 1/2")	465g	-1140K
121 (4 3/4")	500g	-1210K
127 (5")	565g	-1270K
133 (5 1/4")	600g	-1330K
140 (5 1/2")	650g	-1400K
152 (6")	800g	-1520K
210 (8 9/32")	1200g	-1540K

Variable Pitch Bi-Metal HSS Holesaws

VARIABLE PITCH FOR IMPROVED ACTION

For wood, steel, brass, bronze, cast iron, aluminium and plastic. Aggressive cutting action and M3 HSS cutting teeth to give a very smooth finish. Cuts up to 40% faster then constant pitch saws. The varying tooth pitch gives substantial reductions in noise by disrupting harmonics. Tooth life is greatly extended, as is battery life when used with a cordless drill. Suitable for all uses: engineering, construction and maintenance.

4 to 6 teeth per inch.
28.5mm (1⅛") cutting depth.



Cutting Dia. (mm)	Weight each	Order Code KEN-050
14 (9/16")	30g	-5140K
16 (5/8")	40g	-5160K
17 (11/16")	40g	-5170K
19 (3/4")	40g	-5190K
20 (25/32")	50g	-5200K
21 (13/16")	50g	-5210K
22 (7/8")	60g	-5220K
24 (15/16")	70g	-5240K
25 (1")	80g	-5250K
27 (1 1/16")	80g	-5270K
29 (1 1/8")	90g	-5290K
30 (1 3/16")	100g	-5300K
32 (1 1/4")	100g	-5320K
33 (1 5/16")	110g	-5330K
35 (1 3/8")	120g	-5350K
37 (1 7/16")	130g	-5370K
38 (1 1/2")	80g	-5380K
40 (1 9/16")	90g	-5400K
41 (1 5/8")	90g	-5410K
43 (1 11/16")	100g	-5430K
44 (1 3/4")	110g	-5440K
46 (1 13/16")	110g	-5460K
48 (1 7/8")	130g	-5480K
51 (2")	140g	-5510K
52 (2 1/16")	150g	-5520K
54 (2 1/8")	150g	-5540K
56 (2 3/16")	160g	-5560K
57 (2 1/4")	170g	-5570K
59 (2 5/16")	170g	-5590K
60 (2 3/8")	180g	-5600K
64 (2 1/2")	200g	-5640K
65 (2 9/16")	210g	-5650K
67 (2 5/8")	220g	-5670K
68 (2 11/16")	225g	-5680K
70 (2 3/4")	230g	-5700K
73 (2 7/8")	240g	-5730K
76 (3")	260g	-5760K
79 (3 1/8")	280g	-5790K
83 (3 1/4")	300g	-5830K
86 (3 3/8")	330g	-5860K
89 (3 1/2")	340g	-5890K
92 (3 5/8")	370g	-5920K
95 (3 3/4")	390g	-5950K
102 (4")	430g	-6020K
105 (4 1/8")	460g	-6050K
108 (4 1/4")	470g	-6080K
111 (4 3/8")	500g	-6110K
114 (4 1/2")	540g	-6140K
121 (4 3/4")	590g	-6210K
127 (5")	650g	-6270K
133 (5 1/4")	710g	-6330K
140 (5 1/2")	770g	-6400K
152 (6")	900g	-6520K
168 (6 11/16")	1060g	-6680K
177 (6 31/32")	1100g	-6770K

Carbide Tipped Holesaws

Kennedy® carbide tipped hole saws last up to 10 times longer than standard hole saws and resist wear and heat caused by friction much better than traditional holesaws, making them the best choice for cutting tough material such as tile, stainless steel. Use standard arbors.



Holesaw Sizes	Use Arbor
14 to 30mm	K1 or K4
32 to 210mm	K2 or K10

Cutting Dia. (mm)	Order Code KEN-050
15 (19/32")	-7150K
16 (5/8")	-7160K
17 (11/16")	-7170K
18 (23/32")	-7180K
19 (3/4")	-7190K
20 (25/32")	-7200K
21 (13/16")	-7210K
22 (7/8")	-7220K
23 (29/32")	-7230K
24 (15/16")	-7240K
25 (1")	-7250K
26 (1 1/32")	-7260K
27 (1 1/16")	-7270K
28 (1 3/32")	-7280K
29 (1 1/8")	-7290K
30 (1 3/16")	-7300K
31 (1 7/32")	-7310K
32 (1 1/4")	-7320K
33 (1 5/16")	-7330K
34 (1 11/32")	-7340K
35 (1 3/8")	-7350K
36 (1 13/32")	-7360K
38 (1 1/2")	-7380K
40 (1 9/16")	-7400K
41 (1 5/8")	-7410K
44 (1 3/4")	-7440K
45 (1 25/32")	-7450K
48 (1 7/8")	-7480K
50 (1 31/32")	-7500K
51 (2")	-7510K
54 (2 1/8")	-7540K
55 (5 5/32")	-7550K
57 (2 1/4")	-7570K
60 (2 3/8")	-7600K
64 (2 1/2")	-7640K
65 (2 9/16")	-7650K
67 (2 5/8")	-7670K
70 (2 3/4")	-7700K
75 (2 15/16")	-7750K
76 (3")	-7760K
80 (3 5/32")	-7800K
85 (3 11/32")	-7850K
95 (3 3/4")	-7950K
100 (3 7/8")	-8000K
102 (4")	-8002K
105 (4 1/8")	-8005K

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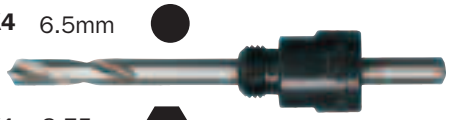
KENNEDY Holesaw Arbors

Precision machined and threaded, guaranteeing a smooth secure fit to all popular brands of holesaws.
Made from alloy steel.
Suitable for use with all power tools.

For Saw Sizes upto 32mm

K4 6.5mm



K1 8.75mm



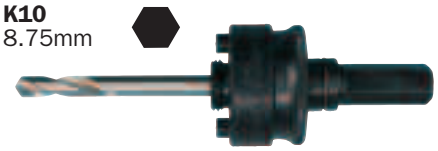
K1-SDS
Pilot supplied separately.



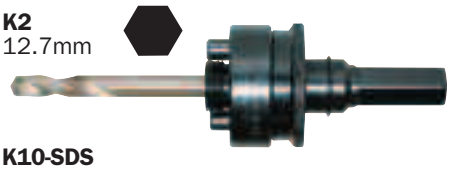
Product Number	For Saw Size	Order Code KEN-050
K4	14 - 30mm	**-1750K**
K1	14 - 30mm	**-1600K**
K1-SDS	14 - 32mm	**-1550K**

For Saw Sizes upto 152mm

K10
8.75mm

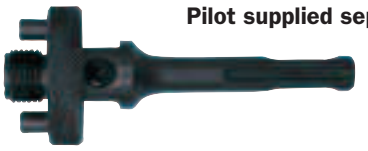


K2
12.7mm



K10-SDS

Pilot supplied separately.



Product Number	For Saw Size	Order Code KEN-050
K10	32 - 152mm	**-1850K**
K2	32 - 152mm	**-1650K**
K10-SDS	33 - 152mm	**-1560K**

Pilot Drills

HSS, ground flute. Not suitable for stainless steel.

K14C



K14D

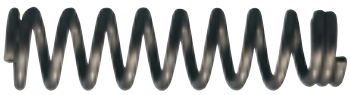


Product Number	To Suit Arbors	Weight each	Order Code KEN-050
K14C	All except K4	20g	**-1930K**
K14D	K4 only	30g	**-1960K**

Ejector Spring

Manufactured from hardened spring steel. Presses over pilot to give quick release of core piece after cut.

K7



Product Number	To Suit Saw Diameter	Weight each	Order Code KEN-050
K7	14 to 210mm	10g	**-1970K**

Variable Pitch Bi-Metal HSS Holesaw Kits

For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring a very aggressive cutting action and M3 HSS cutting teeth to give a very smooth finish. Cuts up to 40% faster then constant pitch saws. The varying tooth pitch gives substantial reductions in noise by disrupting harmonics produced when sawing materials such as tubing, angle etc. Improved swarf clearance is also achieved requiring less effort to complete each cut. Tooth life is greatly extended, as is battery life when used with a cordless drill. Suitable for all uses: engineering, construction and maintenance.
4 to 6 teeth per inch. 28.5mm (1⅛") cutting depth.

Service Engineer's Kit
9 Piece
Comprises of 22, 29, 35, 44, 51 and 64mm variable pitch bi-metal high speed steel holesaws with hardened cutting edges, K7 spring, K4 and K10 arbors with pilot drills.
Supplied in a robust plastic carry case.



Number of Pieces	Weight each	Order Code KEN-050
9	110g	**-2400K**

Electrician's Kit
9 Piece
Comprises of 16, 20, 25, 32, 40 and 51mm variable pitch bi-metal high speed steel holesaws with hardened cutting edges, K7 Spring, K1 and K10 arbors with pilot drills.
Supplied in a robust plastic carry case.

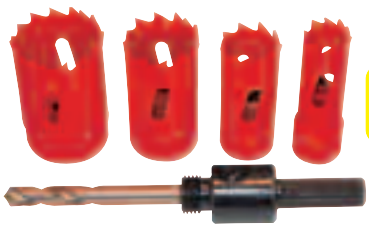


Number of Pieces	Weight each	Order Code KEN-050
9	90g	**-2300K**

Tradesman's Compact Kits
High quality variable pitch bi-metal high speed steel holesaws with hardened cutting edges. Supplied in a handy storage tube. Ideal size to fit into power tool cases and tool boxes.

5 Piece: Comprises of 16, 20, 25 and 30mm holesaws with K1 arbor.

11 Piece: Comprises of 16, 19, 20, 22, 25, 30, 32, 38 and 51mm holesaws with K1 and K10 arbors.







Storage tubes fit into power tool cases and tool boxes

Number of Pieces	Weight each	Order Code KEN-050
5	30g	**-2100K**
11	160g	**-2500K**

Constant Pitch Bi-Metal HSS Holesaw Kit

Featuring a constant pitch - First choice for cutting thin sheet materials up to 3mm thick. For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring an hardened HSS cutting edge welded to a tough alloy steel body. Heavy duty shatter-resistant construction; virtually unbreakable.
6 teeth per inch. 38mm (1½") cutting depth.

9 Piece Service Engineer's Kit
Comprises of 22, 29, 35, 44, 51 and 64mm constant pitch bi-metal high speed steel holesaws with hardened cutting edges. Complete with K4 and K10 arbors and K7 Spring.
Supplied in a robust plastic carry case.

9 PIECES



Number of Pieces	Weight each	Order Code KEN-050
9	1.20kg	**-2000K**

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KENNEDY Rotary Masonry Drill Bits

Tungsten carbide tipped with roll forged flutes. A general purpose mortar and masonry drill bit suitable for workshop and maintenance. Manufactured to **DIN 8039**.

Standard Length



75.0mm to 120.0mm Length

Diameter	Overall Length	Weight each	Order Code KEN-055
No.6 (4.0mm)	75.0	6g	**-0060K**
No.8 (5.0mm)	85.0	10g	**-0080K**
No.10 (5.5mm)	85.0	14g	**-0100K**
No.10A (6.0mm)	100.0	14g	**-0110K**
No.12 (6.5mm)	100.0	17g	**-0120K**
No.14 (7.0mm)	100.0	17g	**-0140K**
No.16 (8.0mm)	120.0	27g	**-0160K**
No.18 (9.0mm)	120.0	28g	**-0180K**
No.20 (10.0mm)	120.0	40g	**-0200K**
No.23 (12.0mm)	120.0	55g	**-0450K**

Medium Length



150.0mm to 160.0mm Length

Diameter	Overall Length	Weight each	Order Code KEN-055
No. 8 (5.0mm)	150.0	17g	**-1080K**
No.10 (5.5mm)	150.0	22g	**-1100K**
No.10A (6.0mm)	150.0	22g	**-1110K**
No.12 (6.5mm)	150.0	50g	**-1120K**
No.14 (7.0mm)	150.0	25g	**-1140K**
No.16 (8.0mm)	150.0	34g	**-1160K**
No.18 (9.0mm)	150.0	35g	**-1180K**
No.20 (10.0mm)	150.0	50g	**-1200K**
No.22 (11.0mm)	150.0	50g	**-1220K**
No.24 (13.0mm)	150.0	84g	**-1240K**
No.25 (14.0mm)	150.0	100g	**-1250K**
No.26 (16.0mm)	150.0	128g	**-1260K**
No.27 (18.0mm)	160.0	132g	**-1270K**
No.28 (20.0mm)	160.0	195g	**-1280K**
No.29 (22.0mm)	160.0	245g	**-1290K**
No.30 (25.0mm)	160.0	308g	**-1300K**

Extra Length



300.0mm Length

Diameter	Overall Length	Weight each	Order Code KEN-055
No.12 (6.5mm)	300.0	58g	**-3120K**
No.14 (7.0mm)	300.0	58g	**-3140K**
No.16 (8.0mm)	300.0	91g	**-3160K**
No.20 (10.0mm)	300.0	98g	**-3200K**
No.22 (11.0mm)	300.0	130g	**-3220K**
No.24 (13.0mm)	300.0	164g	**-3240K**

400.0mm Length

Diameter	Overall Length	Weight each	Order Code KEN-055
No.16 (8.0mm)	400.0	124g	**-4160K**
No.18 (9.0mm)	400.0	125g	**-4180K**
No.20 (10.0mm)	400.0	130g	**-4200K**
No.22 (11.0mm)	400.0	174g	**-4220K**
No.24 (13.0mm)	400.0	219g	**-4240K**

Rotary Masonry Drill Bit Sets

7 Piece - Standard Length
Standard Length: No.6 x 75, No.8 x 85, No.10 x 85, No.10A x 100, No.12 x 100, No.16 x 120, No.20 x 120mm.

7 PIECES

7 Piece - Standard & Medium Length
Standard Length:
No.10 x 85,
No.12 x 100,
No.14 x 100,
No.16 x 120,
No.20 x 120.
Medium Length:
No.24 x 150,
No.26 x 150mm.

7 PIECES

16 Piece - Standard & Medium Length
Standard Length:
No.6 x 75,
No.8 x 85,
No.10 x 85,
No.10A x 100,
No.14 x 100,
No.16 x 120,
No.18 x 120,
No.20 x 120.
Medium Length:
No.8 x 150,
No.10 x 150,
No.10A x 150,
No.14 x 150,
No.16 x 150,
No.18 x 150,
No.20 x 150,
No.24 x 150mm.

16 PIECES



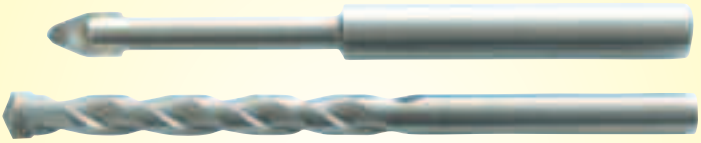
Number of Pieces	Weight each	Order Code KEN-055
7 - Standard	140g	**-5070K**
7 - Standard & Medium	400g	**-5170K**
16 - Standard & Medium	460g	**-5320K**

KOBE Tile & Masonry Drill Sets

2 Piece Sets
Two piece sets for drilling through glass, tiles, mirrors and ceramics.

Set contents:
1x masonry drill bit and 1x tile and glass drill bit.

2 PIECES



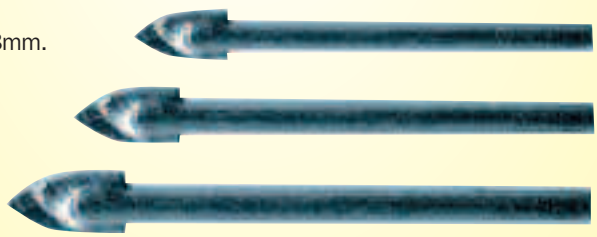
Diameter	Order Code KBE-280
5.00mm	**-7500K**
6.00mm	**-7510K**
6.50mm	**-7520K**
7.00mm	**-7530K**
8.00mm	**-7540K**

Tile & Glass Drill Set

Three piece drill bit set for drilling through glass, tiles, mirrors and ceramics.

3 PIECES

Contents:
5, 6 and 8mm.



Number of Pieces	Order Code KBE-280
3	**-7560K**

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KENNEDY SDS-Style Fitting Hammer Drill Bits

Tungsten carbide tipped and suitable for all SDS direct fitting hammer drills. High performance drill bits that withstand extreme heat generation ensuring maximum performance coupled with wear resistance.
Manufactured to **DIN 8035**.



Diameter	Overall Length	Weight each	Order Code KEN-057
5.0mm	110.0	50g	**-1000K**
5.0mm	160.0	50g	**-1020K**
5.5mm	110.0	50g	**-1200K**
5.5mm	160.0	50g	**-1220K**
6.0mm	110.0	50g	**-1400K**
6.0mm	160.0	50g	**-1420K**
6.0mm	210.0	60g	**-1440K**
6.5mm	110.0	50g	**-1600K**
6.5mm	160.0	50g	**-1620K**
7.0mm	110.0	60g	**-1800K**
7.0mm	160.0	70g	**-1820K**
8.0mm	110.0	80g	**-2000K**
8.0mm	160.0	80g	**-2020K**
8.0mm	210.0	90g	**-2040K**
8.0mm	260.0	110g	**-2080K**
8.0mm	400.0	180g	**-2120K**
9.0mm	210.0	100g	**-2240K**
10.0mm	110.0	70g	**-2400K**
10.0mm	160.0	90g	**-2420K**
10.0mm	210.0	110g	**-2440K**
10.0mm	260.0	150g	**-2480K**
10.0mm	360.0	180g	**-2520K**
10.0mm	460.0	280g	**-2540K**
11.0mm	160.0	110g	**-2620K**
11.0mm	300.0	130g	**-2680K**
12.0mm	166.0	100g	**-2820K**
12.0mm	216.0	130g	**-2840K**
12.0mm	316.0	170g	**-2900K**
12.0mm	466.0	240g	**-2940K**
12.0mm	600.0	350g	**-2980K**
13.0mm	166.0	110g	**-3020K**

Diameter	Overall Length	Weight each	Order Code KEN-057
13.0mm	210.0	100g	**-3040K**
13.0mm	466.0	300g	**-3140K**
14.0mm	166.0	155g	**-3220K**
14.0mm	216.0	170g	**-3240K**
14.0mm	266.0	180g	**-3280K**
14.0mm	316.0	200g	**-3300K**
14.0mm	466.0	300g	**-3340K**
14.0mm	600.0	410g	**-3380K**
15.0mm	166.0	200g	**-3420K**
15.0mm	266.0	200g	**-3480K**
15.0mm	450.0	250g	**-3540K**
16.0mm	250.0	150g	**-3640K**
16.0mm	300.0	200g	**-3700K**
16.0mm	450.0	350g	**-3740K**
16.0mm	600.0	450g	**-3760K**
17.0mm	200.0	160g	**-3840K**
18.0mm	250.0	240g	**-4040K**
18.0mm	450.0	400g	**-4140K**
20.0mm	200.0	200g	**-4440K**
20.0mm	300.0	300g	**-4500K**
20.0mm	450.0	480g	**-4540K**
22.0mm	250.0	350g	**-4680K**
22.0mm	450.0	720g	**-4740K**
24.0mm	250.0	390g	**-4880K**
24.0mm	450.0	770g	**-4940K**
25.0mm	250.0	430g	**-5080K**
25.0mm	450.0	770g	**-5140K**
26.0mm	250.0	430g	**-5280K**
26.0mm	450.0	850g	**-5340K**

SDS-Style Fitting Drill Bit Sets

Tungsten carbide tipped and suitable for all SDS direct fitting hammer drills. High performance drill bits that withstand extreme heat generation ensuring maximum performance coupled with wear resistance. Manufactured to **DIN 8035**.

7 Piece
5, 6 and 8mm x 110mm overall length.
6, 8, 10 and 12mm x 160mm overall length.

9 Piece
5, 5.5, 6 and 7mm x 160mm overall length.
8 x 210mm, 8 x 260mm, 12 x 216mm,
12 x 316mm and 16 x 250mm overall length.



Number of Pieces	Order Code KEN-057
7	**-7000K**
9	**-7020K**

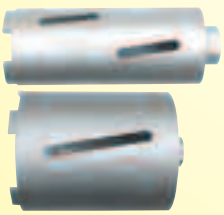
KOBE Diamond Core Drill Kit

Diamond laser welded core drills are a dry cutting, high performance diamond Core Drill. For use with arbor and guide rod (hex shank or SDS Plus) plus extension, if required.
Manufactured from tool grade steel for perfect concentricity. Can be used across a wide range of building materials such as: facing bricks, concrete blocks, breeze blocks, building blocks, hand made bricks and soft to medium hard natural stones. Mounting thread is R½".
Best results are achieved using an 850W (or higher) rotary drill with up to 300rpm, variable speed control and a slipping clutch for overload protection.



Number of Pieces	Core Drill Sizes (mm)	Order Code KBE-280
12	42, 52, 65, 117, 127	**-0300K**

Individual Diamond Core Drills



Effective Length (mm)	Cutting Dia. (mm)	Order Code KBE-280
150	42	**-0310K**
	52	**-0312K**
	65	**-0314K**
	117	**-0316K**
	127	**-0318K**

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HSS Threaded Shank Woodruff Cutters

HSS

12mm/½" Shank Ø
Produces closed slots for woodruff keys to **DIN 6888**.
For milling structural, carburising and heat treated steel up to 900N/mm².
Manufactured to **BS 122 : Part 4 : 1980**.
Made to **DIN 850.** Shank to **DIN 1835/D**.



Metric Limits of Tolerances		
Diameter	+ 0.000	-0.127
Width		
2 up to 4	- 0.014	-0.028
4 up to 7	- 0.020	-0.038
7mm up	- 0.025	-0.047

Inch Limits of Tolerance		
Diameter	+0.015"	-0.100"
Width	+0.000"	-0.001"



Metric Sizes

Diameter (mm)	Width	Overall Length	Weight each	Order Code SHR-061
10.5	2.0	57.0	44g	**-6500A**
10.5	3.0	57.0	44g	**-6502C**
11.0	3.5	54.0	11g	**-6502J**
13.5	2.5	57.0	44g	**-6504E**
13.5	3.0	57.0	45g	**-6505F**
13.5	4.0	57.0	45g	**-6506G**
16.5	3.0	57.0	46g	**-6508J**
16.5	4.0	57.0	46g	**-6509K**
16.5	5.0	57.0	46g	**-6510L**
19.5	3.0	57.0	46g	**-6511M**
19.5	4.0	57.0	46g	**-6512N**
19.5	5.0	57.0	50g	**-6513P**
19.5	6.0	57.0	51g	**-6514C**
22.5	4.0	63.5	55g	**-6514Q**
22.5	5.0	63.5	57g	**-6515R**
22.5	6.0	63.5	59g	**-6516S**
25.5	6.0	70.0	67g	**-6518V**
25.5	8.0	70.0	73g	**-6520X**
32.5	6.0	70.0	81g	**-6527D**

HSS Plain Shank Woodruff Cutters

HSS

12mm/½" Shank Ø
Produces closed slots for woodruff keys to **DIN 6888**.
For milling structural, carburising and heat treated steel up to 900N/mm².
Manufactured to **BS 122 : Part 4 : 1980**.
Made to **DIN 850**.

Metric Limits of Tolerances		
Diameter	+ 0.000	-0.127
Width		
2 up to 4	- 0.014	-0.028
4 up to 7	- 0.020	-0.038
7mm up	- 0.025	-0.047



Metric Sizes

Diameter (mm)	Width	Overall Length	Weight each	Order Code SHR-061
10.5	2.0	57.0	44g	**-4500A**
10.5	3.0	57.0	44g	**-4502C**
13.5	2.5	57.0	44g	**-4504E**
13.5	3.0	57.0	45g	**-4505F**
13.5	4.0	57.0	45g	**-4506G**
16.5	3.0	57.0	46g	**-4508J**
16.5	4.0	57.0	46g	**-4509K**
16.5	5.0	57.0	46g	**-4510L**
19.5	3.0	57.0	46g	**-4511M**
19.5	4.0	57.0	46g	**-4512N**
19.5	5.0	57.0	50g	**-4513P**
19.5	6.0	57.0	51g	**-4514C**
22.5	4.0	63.5	55g	**-4514Q**
22.5	6.0	63.5	59g	**-4516S**
25.5	6.0	70.0	67g	**-4518V**
25.5	8.0	70.0	73g	**-4520X**
32.5	6.0	70.0	81g	**-4527D**

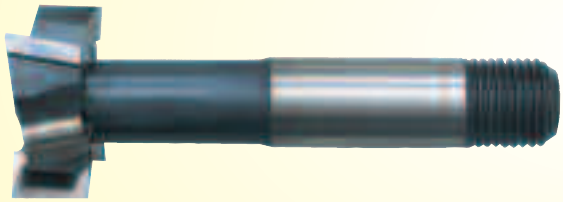
HSS Threaded Shank T-Slot Cutters

HSS

Used for machining T-slots on slide tables, fixtures etc. to **DIN 650**. For milling structural, carburising and heat treated steel up to 900N/mm². Sizes up to 16mm and ½" have six flutes and 18mm and ⅝" upwards have eight flutes.
Made to **DIN 851**. Shank to **DIN 1835/D**.

Flute form 12° RH/LH

Metric Limits of Tolerance		Inch Limits of Tolerance	
Diameter	+0.13 - 0.13	Diameter	+0.005" - 0.005"
Length	+0.13 - 0.13	Length	+0.005" - 0.005"



Metric Sizes

Bolt Size	Head Depth	Diameter Cutter	Diameter Shank	Diameter Neck	Overall Length	Weight each	Order Code SHR-061
M6.0	6.0	12.5	10.0	5.0	57.0	36g	**-6550A**
M8.0	8.0	16.0	10.0	6.5	62.0	41g	**-6551B**
M10.0	8.0	18.0	12.0	8.0	65.0	50g	**-6552C**
M12.0	10.0	22.0	12.0	10.0	74.0	52g	**-6553D**
M14.0	11.0	25.0	16.0	12.0	82.0	84g	**-6554E**
M16.0	12.0	28.0	16.0	13.0	85.0	159g	**-6555F**
M18.0	14.0	32.0	25.0	15.0	90.0	347g	**-6556G**
M20.0	16.0	36.0	25.0	17.0	103.0	298g	**-6557H**

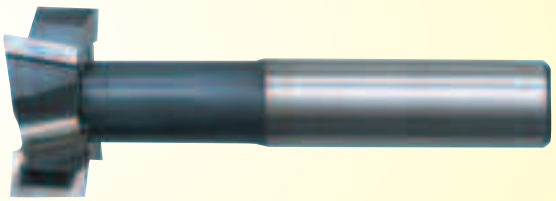
HSS Plain Shank T-Slot Cutters

HSS

Used for machining T-slots on slide tables, fixtures etc. to **DIN 650**. For milling structural, carburising and heat treated steel up to 900N/mm². Sizes up to 16mm and ½" have six flutes and 18mm and ⅝" upwards have eight flutes.
Made to **DIN 851**.

Flute form 12° RH/LH

Metric Limits of Tolerance	
Diameter	+0.13 - 0.13
Length	+0.13 - 0.13



Metric Sizes

Bolt Size	Head Depth	Diameter Cutter	Diameter Shank	Diameter Neck	Overall Length	Weight each	Order Code SHR-061
M6.0	6.0	12.5	10.0	5.0	57.0	36g	**-4550A**
M8.0	8.0	16.0	10.0	6.5	62.0	41g	**-4551B**
M10.0	8.0	18.0	12.0	8.0	65.0	50g	**-4552C**
M12.0	10.0	22.0	12.0	10.0	74.0	52g	**-4553D**
M14.0	11.0	25.0	16.0	12.0	82.0	84g	**-4554E**
M16.0	12.0	28.0	16.0	13.0	85.0	159g	**-4555F**
M18.0	14.0	32.0	25.0	15.0	90.0	347g	**-4556G**
M20.0	16.0	36.0	25.0	17.0	103.0	298g	**-4557H**

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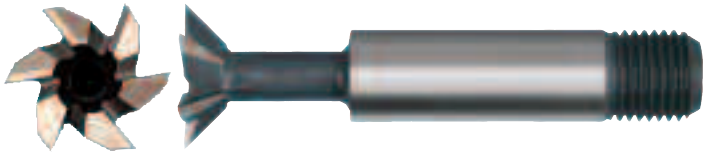
HSS Threaded Shank Dovetail Cutters (Single Angle Cutters)

HSS

Designed to produce dovetail slideways in machine tool tables, jigs and fixtures. Bright finish, straight helix.
Made to **DIN 1833**. Shank to **DIN 1835D**.

Metric Limits of Tolerance	Inch Limits of Tolerance
+0.25 - 0.00	+0.010 - 0.000

45° Corner Angle - Metric (Form C)



Diameter (mm)	Cut Length	Shank Dia.	Overall Length	Number of Teeth	Order Code SHR-061
13.0	3.0	12.0	63.5	6	**-6200A**
16.0	4.0	12.0	66.5	6	**-6201B**
19.0	5.5	12.0	66.5	6	**-6202C**
25.0	7.5	12.0	70.0	8	**-6204E**
32.0	8.5	16.0	74.5	8	**-6206G**

60° Corner Angle - Metric (Form C)



Diameter (mm)	Cut Length	Shank Dia.	Overall Length	Number of Teeth	Order Code SHR-061
13.0	4.0	12.0	63.5	6	**-6150A**
16.0	5.5	12.0	66.5	6	**-6151B**
19.0	7.0	12.0	66.5	6	**-6152C**
20.0	8.0	12.0	63.0	6	**-6152P**
25.0	12.0	12.0	70.0	8	**-6154E**
32.0	13.5	16.0	74.5	8	**-6156G**

HSS Threaded Shank Corner Rounding Cutters

HSS

Designed to produce convex corner radii. For milling structural, carburizing and heat treated steel up to 900N/mm².
Manufactured to works standards.
5° RH Flutes.
Bright finish, straight helix.
Radii tolerance: ± 0.005".
Shank to **DIN 1835/D**.



Metric Sizes

Radius (mm)	Head Dia.	Shank Dia.	Overall Length	Number of Teeth	Weight each	Order Code SHR-061
2.0	12.0	12.0	60.5	4	50g	**-6408Z**
3.0	12.0	12.0	60.5	4	50g	**-6410A**
4.0	14.0	12.0	60.5	4	54g	**-6411B**
5.0	16.0	16.0	60.5	4	86g	**-6412C**
6.0	22.0	16.0	63.5	4	109g	**-6413D**
8.0	25.0	25.0	73.0	4	250g	**-6414E**
10.0	28.0	25.0	79.5	4	272g	**-6415F**
12.0	35.0	25.0	82.5	4	325g	**-6416G**

HSS Plain Shank Corner Rounding Cutters

HSS

Designed to produce convex corner radii. For milling structural, carburising and heat treated steel up to 900N/mm².
Manufactured to works standards.
5° RH Flutes.
Bright finish, straight helix.
Radii tolerance: ± 0.005".



Metric Sizes

Radius (mm)	Head Dia.	Shank Dia.	Overall Length	Number of Teeth	Weight each	Order Code SHR-061
2.0	12.0	12.0	60.5	4	50g	**-4408Z**
3.0	12.0	12.0	60.5	4	50g	**-4410A**
4.0	14.0	12.0	60.5	4	54g	**-4411B**
5.0	16.0	16.0	60.5	4	86g	**-4412C**
6.0	22.0	16.0	63.5	4	109g	**-4413D**
8.0	25.0	25.0	73.0	4	250g	**-4414E**
10.0	28.0	25.0	79.5	4	272g	**-4415F**
12.0	35.0	25.0	82.5	4	325g	**-4416G**

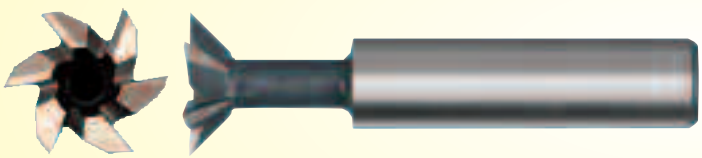
HSS Plain Shank Dovetail Cutters (Single Angle Cutters)

HSS

Designed to produce dovetail slideways in machine tool tables, jigs and fixtures.
Bright finish, straight helix.
Made to **DIN 1833**.

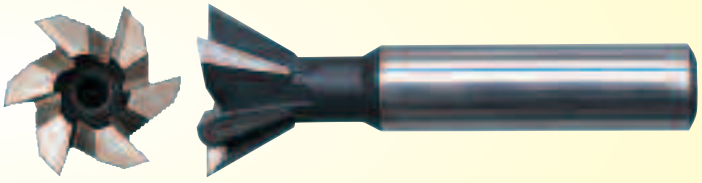
Ø Tolerances	
Metric	**Inch**
+0.25 - 0.00	+0.010 - 0.000

45° Corner Angle - Metric (Form C)



Diameter (mm)	Cut Length	Shank Dia.	Overall Length	Number of Teeth	Order Code SHR-061
13.0	3.0	12.0	63.5	6	**-4200A**
16.0	4.0	12.0	66.5	6	**-4201B**
19.0	5.5	12.0	66.5	6	**-4202C**
20.0	5.5	12.0	62.0	6	**-4202P**
25.0	7.5	12.0	70.0	8	**-4204E**
32.0	8.5	16.0	74.5	8	**-4206G**

60° Corner Angle - Metric (Form C)



Diameter (mm)	Cut Length	Shank Dia.	Overall Length	Number of Teeth	Order Code SHR-061
13.0	4.0	12.0	63.5	6	**-4150A**
16.0	5.5	12.0	66.5	6	**-4151B**
19.0	7.0	12.0	66.5	6	**-4152C**
20.0	8.0	12.0	63.0	6	**-4152P**
25.0	12.0	12.0	70.0	8	**-4154E**
32.0	13.5	16.0	74.5	8	**-4156G**

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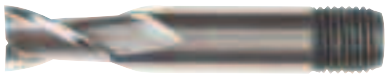
SHERWOOD QUALITY CUTTING TOOLS — 2 Flute End Mills (Slot Drills)

Threaded Shank
Used for milling keyways and slots.Bright finish. Flute type: 30° helix. Manufactured to **BS 122: Part 4: 1980**.
Tolerances as below

Short Series S210T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
1.50	3.0	47.0	6.0	-5600A
2.00	4.0	48.0	6.0	-5601B
2.50	5.0	49.0	6.0	-5602C
3.00	5.0	49.0	6.0	-5603D
3.50	6.0	50.0	6.0	-5604E
4.00	7.0	51.0	6.0	-5605F
4.50	7.0	51.0	6.0	-5606G
5.00	8.0	52.0	6.0	-5607H
5.50	8.0	52.0	6.0	-5608J
6.00	8.0	52.0	6.0	-5609K
6.50	10.0	60.0	10.0	-5610L
7.00	10.0	60.0	10.0	-5611M
7.50	10.0	60.0	10.0	-5612N
8.00	11.0	61.0	10.0	-5613P
8.50	11.0	61.0	10.0	-5614Q
9.00	11.0	61.0	10.0	-5615R
9.50	11.0	61.0	10.0	-5616S
10.00	13.0	63.0	10.0	-5617T
10.50	13.0	70.0	12.0	-5618V
11.00	13.0	70.0	12.0	-5619W
11.50	13.0	70.0	12.0	-5620X
12.00	16.0	73.0	12.0	-5621Y
13.00	16.0	73.0	12.0	-5622Z
14.00	16.0	73.0	12.0	-5624A
15.00	16.0	73.0	16.0	-5625B
16.00	19.0	79.0	16.0	-5626C
17.00	19.0	79.0	16.0	-5627D
18.00	19.0	79.0	16.0	-5628E
19.00	19.0	79.0	16.0	-5629F
20.00	22.0	82.0	16.0	-5630G
25.00	26.0	102.0	25.0	-5635M
30.00	26.0	102.0	25.0	-5640S
32.00	32.0	112.0	25.0	-5641T

Long Series 5230T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
2.00	3.0	51.0	6.0	-5800A
2.50	6.5	54.0	6.0	-5801B
3.00	11.0	60.5	6.0	-5802C
3.50	12.5	66.5	6.0	-5803D
4.00	12.5	66.5	6.0	-5804E
4.50	12.5	66.5	6.0	-5805F
5.00	12.5	70.0	6.0	-5806G
5.50	16.0	76.0	6.0	-5807H
6.00	16.0	76.0	6.0	-5808J
6.50	16.0	76.0	10.0	-5809K
7.00	16.0	76.0	10.0	-5810L
7.50	16.0	76.0	10.0	-5811M
8.00	19.0	79.5	10.0	-5812N
8.50	22.0	82.5	10.0	-5813P
9.00	22.0	82.5	10.0	-5814Q
9.50	22.0	82.5	10.0	-5815D
10.00	22.0	82.5	10.0	-5815R
11.00	22.0	89.0	12.0	-5816S
12.00	25.5	95.0	12.0	-5817T
13.00	25.5	95.0	12.0	-5818V
14.00	28.5	101.5	12.0	-5819W
15.00	31.5	108.0	16.0	-5820X
16.00	31.5	108.0	16.0	-5821Y
17.00	35.0	114.5	16.0	-5822Z
18.00	35.0	114.5	16.0	-5824A
19.00	38.0	120.5	16.0	-5825B
20.00	38.0	120.5	16.0	-5826C
25.00	44.5	159.0	25.0	-5829F
30.00	51.0	159.0	25.0	-5832J
32.00	51.0	159.0	25.0	-5833K

Multi Flute End Mills

Threaded Shank
Used for diesinking, slot milling and profile milling. Bright finish. Flute type: 30° helix. Manufactured to **BS 122 : Part 4 : 1980.**
Tolerances as below

Short Series E410T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
4 Flute				
2.00	4.0	51.0	6.0	-5100A
2.50	6.5	51.0	6.0	-5101B
3.00	9.5	54.0	6.0	-5102C
3.50	12.5	57.0	6.0	-5103D
4.00	12.5	57.0	6.0	-5104E
4.50	12.5	57.0	6.0	-5105F
5.00	16.0	60.5	6.0	-5106G
5.50	16.0	60.5	6.0	-5107H
6.00	16.0	60.5	6.0	-5108J
6.50	16.0	60.5	10.0	-5109K
7.00	15.0	60.5	10.0	-5110L
7.50	18.0	63.5	10.0	-5111M
8.00	18.0	63.5	10.0	-5112N
8.50	21.0	66.5	10.0	-5113P
9.00	21.0	66.5	10.0	-5114Q
9.50	21.0	66.5	10.0	-5115R
10.00	21.0	66.5	10.0	-5116S
10.50	19.0	66.5	12.0	-5117T
11.00	19.0	66.5	12.0	-5118V
11.50	22.5	70.0	12.0	-5119W
12.00	24.0	70.0	12.0	-5120X
13.00	24.5	70.0	16.0	-5121Y
14.00	28.5	73.5	16.0	-5122N
15.00	26.5	77.0	16.0	-5123A
16.00	26.5	80.0	16.0	-5124B
17.00	32.0	80.0	16.0	-5125C
18.00	35.0	88.0	16.0	-5126D
19.00	38.0	83.5	16.0	-5127E
20.00	38.0	83.5	16.0	-5128F
6 Flute				
25.00	41.5	101.5	25.0	-5133L
30.00	46.0	104.5	25.0	-5136P
32.00	46.0	108.0	25.0	-5137Q

Long Series E430T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
4 Flute				
3.00	19.0	63.5	6.0	-5401A
3.50	25.5	70.0	6.0	-5402B
4.00	25.5	70.0	6.0	-5403C
4.50	31.5	70.0	6.0	-5404D
5.00	31.5	76.0	6.0	-5405E
5.50	31.5	76.0	6.0	-5406F
6.00	35.0	76.0	6.0	-5407G
6.50	34.0	79.5	10.0	-5408H
7.00	34.0	79.5	10.0	-5409J
7.50	34.0	79.5	10.0	-5410K
8.00	34.0	79.5	10.0	-5411L
8.50	37.0	82.5	10.0	-5412M
9.00	37.0	82.5	10.0	-5413N
10.00	37.0	82.5	10.0	-5414P
11.00	41.5	89.0	12.0	-5415Q
12.00	49.5	95.0	12.0	-5416R
13.00	50.0	95.0	12.0	-5417S
14.00	57.0	101.5	12.0	-5418T
15.00	58.5	108.5	16.0	-5419V
16.00	58.5	108.5	16.0	-5420W
17.00	67.0	115.0	16.0	-5421X
18.00	70.0	115.0	16.0	-5422Y
19.00	76.0	121.5	16.0	-5423N
20.00	76.0	121.5	16.0	-5424A
6 Flute				
25.00	100.0	157.0	25.0	-5427D
32.00	100.0	159.0	25.0	-5431H

Ball Nose 2 Flute End Mills (Slot Drills)

Threaded Shank
Used for diesinking, slot milling and profile milling. Bright finish. Flute type: 30° helix. Manufactured to **BS 122 : Part 4 : 1980.**
Tolerances as below

Short Series B210T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
2.00	3.0	49.0	6.0	-5950A
2.50	4.5	51.0	6.0	-5951B
3.00	7.0	51.0	6.0	-5952C
4.00	9.5	52.5	6.0	-5953D
5.00	9.5	52.5	6.0	-5954E
6.00	11.0	56.5	6.0	-5955F
6.50	11.0	56.5	6.0	-5955R
7.00	11.0	58.5	10.0	-5956G
8.00	12.5	58.5	10.0	-5957H
9.00	14.5	58.5	10.0	-5958J
10.00	14.5	60.5	10.0	-5959K
11.00	17.5	65.0	12.0	-5960L
12.00	19.0	66.5	12.0	-5961M
13.00	19.0	66.5	12.0	-5962N
14.00	22.0	68.5	12.0	-5963P
15.00	22.0	72.0	16.0	-5964Q
16.00	22.0	72.0	16.0	-5965R
17.00	24.0	73.0	16.0	-5966S
18.00	24.0	74.0	16.0	-5967T
19.00	25.5	77.0	16.0	-5968V
20.00	25.5	77.0	16.0	-5969W
25.00	28.5	97.0	25.0	-5972Z
30.00	30.0	93.5	25.0	-5976C

Long Series Type B230T — HSS



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	11.0	60.5	6.0	-5935A
4.00	12.5	66.5	6.0	-5935M
5.00	12.5	70.0	6.0	-5936B
6.00	16.0	76.0	6.0	-5936N
7.00	16.0	76.0	10.0	-5937C
8.00	19.0	79.5	10.0	-5937P
10.00	22.0	82.5	10.0	-5938Q
11.00	22.0	89.0	12.0	-5939E
12.00	25.5	95.0	12.0	-5939R
14.00	28.5	101.5	12.0	-5940S
15.00	31.5	108.0	16.0	-5941G
16.00	31.5	108.0	16.0	-5941T
18.00	35.0	114.5	16.0	-5942V
20.00	38.0	120.5	16.0	-5943W
25.00	44.5	159.0	25.0	-5945L

Diameter Metric	Tolerance +	-+
up to 3.00	0.013	0.033
Over 3.00 ~ up to 6.00	0.020	0.038
Over 6.00 ~ up to 10.00	0.025	0.046
Over 10.00 ~ up to 18.00	0.033	0.058
Over 18.00 ~ up to 30.00	0.041	0.071
Over 30.00	0.051	0.089

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Plain Shank Milling Cutters 2 Flute

HSS-Co



Centre cutting, used for profile milling, milling keyways and producing open slots.
Surface treatment: bright finish.
Flute helix 30°. Dimensions to **DIN 844**.
Plain shank to **DIN 1835A**.

Regular Length



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	8	52	6	**-3803A**
4.00	11	55	6	**-3804B**
5.00	13	57	6	**-3805C**
6.00	13	57	6	**-3806D**
7.00	16	66	10	**-3807E**
8.00	19	69	10	**-3808F**
10.00	22	72	10	**-3810H**
12.00	26	83	12	**-3812K**
14.00	26	83	16	**-3814M**
16.00	32	92	16	**-3816P**
18.00	32	92	16	**-3818R**
20.00	38	104	20	**-3820S**
22.00	38	104	20	**-3822T**
25.00	45	121	25	**-3825V**

Long Series



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	12	56	6	**-3955C**
4.00	19	63	6	**-3957E**
5.00	24	68	6	**-3959G**
6.00	24	68	6	**-3961J**
8.00	38	88	10	**-3962K**
10.00	45	95	10	**-3963L**
12.00	53	110	12	**-3964M**
14.00	53	110	12	**-3965N**
16.00	63	123	16	**-3966P**
20.00	75	141	20	**-3968R**

Plain Shank Milling Cutters 2 Flute Ball Nose

HSS-Co



Centre cutting, used for profile milling, milling keyways and producing open slots.
Surface treatment: bright finish.
Flute helix 30°. Dimensions to **DIN 844**.
Plain shank to **DIN 1835A**.

Regular Length



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	5	49	6	**-3982C**
4.00	7	51	6	**-3984E**
5.00	8	52	6	**-3986G**
6.00	8	52	6	**-3988J**
8.00	11	61	10	**-3992N**
10.00	13	63	10	**-3996S**
12.00	16	73	12	**-3998V**
14.00	16	73	12	**-4000X**
16.00	19	79	16	**-4002Z**
18.00	19	79	16	**-4004B**
20.00	22	88	20	**-4006D**
22.00	22	88	20	**-4008F**
25.00	26	102	25	**-4011J**

Plain Shank Milling Cutters 4 Flute

Centre cutting, used for profile milling, milling keyways and producing open slots.
Flute helix 30°. Dimensions to **DIN 844**.
Plain shank to **DIN 1835A**.

HSS-Co



Regular Length



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	8	52	6	**-3703A**
3.50	11	55	6	**-3703F**
4.00	11	55	6	**-3704B**
4.50	13	57	6	**-3704G**
5.00	13	57	6	**-3705C**
5.50	13	57	6	**-3705H**
6.00	13	57	6	**-3706D**
6.50	19	69	10	**-3706J**
7.00	19	69	10	**-3707E**
7.50	19	69	10	**-3707K**
8.00	19	69	10	**-3708F**
8.50	22	72	10	**-3708L**
9.00	22	72	10	**-3709Q**
9.50	22	72	10	**-3709W**
10.00	22	72	10	**-3710G**
10.50	22	79	12	**-3710N**
11.00	22	79	12	**-3711V**
12.00	26	83	12	**-3712H**
13.00	26	83	12	**-3713J**
14.00	26	83	12	**-3714J**
15.00	32	92	16	**-3715K**
16.00	32	92	16	**-3716L**
17.00	32	92	16	**-3717V**
18.00	32	92	16	**-3718M**
19.00	32	92	16	**-3719V**
20.00	38	104	20	**-3720N**
22.00	38	104	20	**-3722P**
25.00	45	121	25	**-3725R**
26.00	45	121	25	**-3726S**
28.00	45	121	25	**-3728V**
30.00	45	121	25	**-3730X**

Long Series



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	12	56	6	**-3873A**
4.00	19	63	6	**-3875C**
5.00	24	68	6	**-3877E**
6.00	24	68	6	**-3879G**
7.00	38	88	10	**-3879M**
8.00	38	88	10	**-3880H**
9.00	38	88	10	**-3880V**
10.00	45	95	10	**-3881J**
11.00	53	110	12	**-3881P**
12.00	53	110	12	**-3882K**
13.00	53	110	12	**-3882Q**
14.00	53	110	12	**-3883K**
15.00	63	123	16	**-3883Q**
16.00	63	123	16	**-3884M**
18.00	63	123	16	**-3885N**
20.00	75	141	20	**-3886P**
22.00	75	141	20	**-3888Q**
25.00	90	166	25	**-3891T**

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HSS-Co 5% Threaded Shank Slot Drills

HSS-Co 5%

Flute helix 30°.
Manufactured to **BS 122:4**

Short Series





Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
1.50	2.5	48.5	6.0	**-5664A**
2.00	3.0	49.0	6.0	**-5665B**
2.50	4.5	51.0	6.0	**-5666C**
3.00	7.0	51.0	6.0	**-5667D**
3.50	7.5	52.5	6.0	**-5668E**
4.00	9.5	52.5	6.0	**-5669F**
5.00	9.5	52.5	6.0	**-5671H**
5.50	11.0	55.5	6.0	**-5672J**
6.00	11.0	56.5	6.0	**-5673K**
6.50	11.0	58.5	10.0	**-5674A**
7.00	11.0	58.5	10.0	**-5674L**
7.50	11.0	58.5	10.0	**-5675B**
8.00	12.5	59.5	10.0	**-5675M**
8.50	14.5	60.5	10.0	**-5676C**
9.00	14.5	60.5	10.0	**-5676N**
9.50	14.5	60.5	10.0	**-5677D**
10.00	14.5	60.5	10.0	**-5677P**
10.50	17.5	65.0	12.0	**-5678E**
11.00	17.5	65.0	12.0	**-5678Q**
12.00	19.0	66.5	12.0	**-5679R**
13.00	19.0	66.5	12.0	**-5680G**
14.00	22.0	68.5	12.0	**-5680S**
15.00	22.0	72.0	16.0	**-5681H**
16.00	22.0	72.0	16.0	**-5681T**
17.00	24.0	72.0	16.0	**-5682J**
18.00	24.0	72.0	16.0	**-5682V**
19.00	25.5	77.0	16.0	**-5683K**
20.00	25.5	77.0	16.0	**-5683W**
25.00	27.0	95.0	25.0	**-5686A**
30.00	30.0	93.5	25.0	**-5688C**

Long Series Type S231T



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	11.0	60.5	6.0	**-5855C**
4.00	12.5	66.5	6.0	**-5857E**
5.00	12.5	70.0	6.0	**-5859G**
6.00	16.0	76.0	6.0	**-5861J**
6.50	16.0	76.0	10.0	**-5861S**
7.00	16.0	76.0	10.0	**-5862A**
8.00	19.0	79.5	10.0	**-5862K**
9.00	22.0	82.5	10.0	**-5863B**
10.00	22.0	82.5	10.0	**-5863L**
11.00	22.0	82.5	12.0	**-5863V**
12.00	25.5	95.0	12.0	**-5864M**
14.00	28.5	101.5	12.0	**-5865N**
15.00	31.5	108.0	16.0	**-5865X**
16.00	31.5	108.0	16.0	**-5866P**
18.00	35.0	114.5	16.0	**-5867Q**
20.00	38.0	120.5	16.0	**-5868R**

HSS-Co 5% Threaded Shank End Mills

HSS-Co 5%

Used for profile milling and producing open slots.
Bright finish. Flute helix 30°.
Manufactured to **BS 122 : Part 4 : 1980**.



Regular Series Type E411T



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
		4 Flute		
2.00	4.0	51.0	6.0	**-5185A**
2.50	6.5	51.0	6.0	**-5186B**
3.00	9.5	54.0	6.0	**-5187C**
4.00	12.5	57.0	6.0	**-5189E**
5.00	16.0	60.5	6.0	**-5191G**
6.00	16.0	60.5	6.0	**-5193J**
6.50	16.0	60.5	10.0	**-5193R**
7.00	15.0	60.5	10.0	**-5193X**
8.00	18.0	63.5	10.0	**-5194K**
8.50	21.0	66.5	10.0	**-5194S**
9.00	21.0	66.5	10.0	**-5194Y**
9.50	21.0	66.5	10.0	**-5195D**
10.00	21.0	66.5	10.0	**-5195L**
11.00	19.0	66.5	12.0	**-5195Z**
12.00	24.0	70.0	12.0	**-5196M**
13.00	24.5	70.0	12.0	**-5197F**
14.00	28.5	73.5	12.0	**-5197N**
15.00	26.5	77.0	16.0	**-5198G**
16.00	26.5	80.0	16.0	**-5198P**
17.00	32.0	80.0	16.0	**-5199H**
18.00	35.0	88.0	16.0	**-5199Q**
19.00	38.0	83.5	16.0	**-5200J**
20.00	38.0	84.5	16.0	**-5200R**
		6 Flute		
25.00	41.5	101.5	25.0	**-5202T**
30.00	46.0	104.5	25.0	**-5204W**

Long Series Type E431T



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
		4 Flute		
3.00	19.0	63.5	6.0	**-5473A**
4.00	25.5	70.0	6.0	**-5475C**
5.00	31.5	76.0	6.0	**-5477E**
6.00	31.5	76.0	6.0	**-5479G**
8.00	34.0	79.5	10.0	**-5480H**
10.00	37.0	82.5	10.0	**-5481J**
12.00	49.5	95.0	12.0	**-5482K**
14.00	57.0	101.5	12.0	**-5483L**
16.00	58.5	108.5	16.0	**-5484M**
18.00	70.0	115.0	16.0	**-5485N**
20.00	76.0	121.5	16.0	**-5486P**
		6 Flute		
25.00	100.0	157.0	25.0	**-5488R**

HSS-Co 5% Threaded Shank Slot Drills 3 Flute

HSS-Co 5%

Bright finish. Flute helix 30°.
Manufactured to **BS 122: Part 4: 1980**.



Regular Series Type 5321T



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	Order Code SHR-061
3.00	9.5	54.0	6.0	**-6021A**
3.50	12.5	57.0	6.0	**-6021C**
4.00	12.5	57.0	6.0	**-6021E**
4.50	12.5	57.0	6.0	**-6021G**
5.00	16.0	60.5	6.0	**-6021J**
5.50	16.0	60.5	6.0	**-6021L**
6.00	16.0	60.5	6.0	**-6021N**
8.00	19.0	63.5	10.0	**-6021Q**
10.00	22.0	66.5	10.0	**-6021S**
12.00	25.5	71.5	12.0	**-6021V**
14.00	28.5	74.5	12.0	**-6021X**
16.00	32.0	80.0	16.0	**-6021Z**
18.00	35.0	83.5	16.0	**-6022B**
20.00	38.0	90.0	16.0	**-6022D**
25.00	43.0	108.0	25.0	**-6022K**
30.00	46.0	108.0	25.0	**-6022R**

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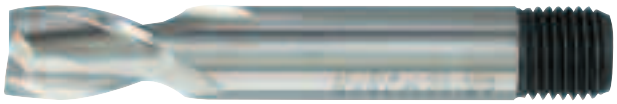
HSS-Co 8% Threaded Shank Slot Drills 2 Flute

HSS-Co 8%

For general production machining. Centre cutting.
Threaded shank to **DIN 1835D**.
Cutting diameter to **e8**. Shank diameter to **h6**.





Series 28
Short Series - SDH-2TS Dimensions to **DIN 327**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	Order Code SWT-163
2.00	4.0	6.0	48.0	102g	**-2802A**
2.50	5.0	6.0	49.0	102g	**-2802L**
3.00	5.0	6.0	49.0	102g	**-2803A**
3.50	6.0	6.0	50.0	102g	**-2803L**
4.00	7.0	6.0	51.0	105g	**-2804A**
4.50	7.0	6.0	51.0	108g	**-2804L**
5.00	8.0	6.0	52.0	110g	**-2805A**
5.50	8.0	6.0	52.0	110g	**-2805L**
6.00	8.0	6.0	52.0	110g	**-2806A**
7.00	10.0	10.0	60.0	380g	**-2807A**
8.00	11.0	10.0	61.0	338g	**-2808A**
9.00	11.0	10.0	61.0	353g	**-2809A**
10.00	13.0	10.0	63.0	369g	**-2810A**
11.00	13.0	12.0	70.0	456g	**-2811A**
12.00	16.0	12.0	73.0	600g	**-2812A**
13.00	16.0	12.0	73.0	608g	**-2813A**
14.00	16.0	12.0	73.0	631g	**-2814A**
15.00	16.0	16.0	73.0	640g	**-2815A**
16.00	19.0	16.0	79.0	1134g	**-2816A**
18.00	19.0	16.0	79.0	1200g	**-2818A**
20.00	22.0	20.0	88.0	1900g	**-2820A**

HSS-Co 8% Threaded Shank Slot Drills 3 Flute

For general production machining.Centre cutting.
Threaded shank to **DIN 1835D**.
Cutting diameter to **e8**.
Shank diameter to **h6**.

HSS-Co 8%





Series 32
Short Series - SDH-3TS Dimensions to **DIN 327**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight each	Order Code SWT-163
3.00	5.0	6.0	49.0	10g	**-3203A**
4.00	7.0	6.0	51.0	10g	**-3204A**
5.00	8.0	6.0	52.0	10g	**-3205A**
6.00	8.0	6.0	61.0	11g	**-3206A**
8.00	11.0	10.0	63.0	34g	**-3208A**
10.00	13.0	10.0	73.0	37g	**-3210A**
12.00	16.0	12.0	73.0	62g	**-3212A**
14.00	16.0	12.0	79.0	62g	**-3214A**
16.00	19.0	16.0	88.0	104g	**-3216A**
20.00	22.0	20.0	88.0	187g	**-3220A**

Series 33
Regular Series - SDH-3TR Dimensions to **DIN 844**



Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight each	Order Code SWT-163
3.00	8.0	6.0	52.0	10g	**-3303A**
4.00	11.0	6.0	55.0	10g	**-3304A**
5.00	13.0	6.0	57.0	10g	**-3305A**
6.00	13.0	6.0	57.0	12g	**-3306A**
7.00	16.0	10.0	66.0		**-3307A**
8.00	19.0	10.0	69.0	36g	**-3308A**
9.00	19.0	10.0	69.0		**-3309A**
10.00	22.0	10.0	72.0	40g	**-3310A**
11.00	22.0	12.0	79.0		**-3311A**
12.00	26.0	12.0	83.0	66g	**-3312A**
13.00	26.0	12.0	83.0		**-3313A**
14.00	26.0	12.0	83.0	68g	**-3314A**
16.00	32.0	16.0	92.0	121g	**-3316A**
20.00	38.0	20.0	104.0	206g	**-3320A**
22.00	38.0	20.0	104.0	219g	**-3322A**
25.00	45.0	25.0	121.0	364g	**-3325A**

Series 34
Long Series - SDH-3TL Dimensions to **DIN 844**



Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight each	Order Code SWT-163
3.00	12.0	6.0	65.0	10g	**-3403A**
4.00	19.0	6.0	63.0	11g	**-3404A**
5.00	24.0	6.0	68.0	13g	**-3405A**
6.00	24.0	6.0	68.0	14g	**-3406A**
8.00	38.0	10.0	88.0	40g	**-3408A**
10.00	45.0	10.0	95.0	49g	**-3410A**
12.00	53.0	12.0	110.0	79g	**-3412A**
14.00	53.0	12.0	110.0	85g	**-3414A**
16.00	63.0	16.0	123.0	142g	**-3416A**
20.00	75.0	20.0	141.0	259g	**-3420A**

HSS-Co 8% Threaded Shank End Mills 4 & 6 Flute

For general production machining.
Centre cutting.
Threaded shank to **DIN 1835D**.
Shank cutting diameter to +0.04 -0.0.

HSS-Co 8%

Series 36
Regular Series - EMH-4TR Dimensions to **DIN 844**





Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 10	Order Code SWT-163
2.00	7.0	6.0	51.0	4	108g	**-3602A**
3.00	8.0	6.0	52.0	4	111g	**-3603A**
4.00	11.0	6.0	55.0	4	114g	**-3604A**
5.00	13.0	6.0	57.0	4	126g	**-3605A**
6.00	13.0	6.0	57.0	4	133g	**-3606A**
7.00	16.0	10.0	66.0	4	340g	**-3607A**
8.00	19.0	10.0	69.0	4	375g	**-3608A**
10.00	22.0	10.0	72.0	4	423g	**-3610A**
12.00	26.0	12.0	83.0	4	688g	**-3612A**
14.00	26.0	12.0	83.0	4	728g	**-3614A**
16.00	32.0	16.0	92.0	4	1220g	**-3616A**
18.00	32.0	16.0	92.0	4	1534g	**-3618A**
20.00	38.0	20.0	104.0	4	2114g	**-3620A**
25.00	45.0	25.0	121.0	6	2668g	**-3625A**

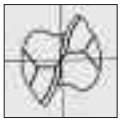
Series 37
Long Series - EMH-4TL Dimensions to **DIN 844**



Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 5	Order Code SWT-163
4.00	19.0	6.0	63.0	4	61g	**-3704A**
5.00	24.0	6.0	68.0	4	67g	**-3705A**
6.00	24.0	6.0	68.0	4	74g	**-3706A**
8.00	38.0	10.0	88.0	4	215g	**-3708A**
10.00	45.0	10.0	95.0	4	260g	**-3710A**
12.00	53.0	12.0	110.0	4	408g	**-3712A**
16.00	63.0	16.0	123.0	4	806g	**-3716A**
20.00	75.0	20.0	141.0	4	1433g	**-3720A**

HSS-Co 8% Threaded Shank Ball Nosed Slot Drills 2 Flute

Centre cutting. Threaded shank to **DIN 1835D**.
Cutting diameter to **e8**.
Shank diameter to **h6**.





Series 39
Short Series - SBH-2TS Dimensions to **DIN 327**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 5	Order Code SWT-163
2.00	5.0	6.0	49.0	52g	**-3902A**
3.00	5.0	6.0	49.0	54g	**-3903A**
4.00	7.0	6.0	51.0	55g	**-3904A**
5.00	8.0	6.0	52.0	58g	**-3905A**
6.00	8.0	6.0	52.0	60g	**-3906A**
8.00	11.0	10.0	61.0	170g	**-3908A**
9.00	13.0	10.0	63.0	184g	**-3909A**
10.00	13.0	10.0	63.0	188g	**-3910A**
12.00	16.0	12.0	73.0	306g	**-3912A**
16.00	19.0	16.0	79.0	535g	**-3916A**
20.00	22.0	20.0	88.0	944g	**-3920A**

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HSS-Co 5% Threaded Shank Coarse Pitch Roughing Cutters

HSS-Co 5%
COARSE PITCH

Knuckle Form
For use when heavy metal removal and good surface finish are required. Bright finish.
Flute type: 25° spiral, roughing truncated.
Shank diameter to **js14**.

Standard Series K412T

Metric Tolerances	Inch Tolerances
Diameter ± 0.127mm	Diameter ± 0.005"



Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Number of Flutes	Weight each	Order Code SHR-061
6.00	16.0	60.5	6.0	3	26g	**-6701A**
8.00	18.0	63.5	10.0	3	66g	**-6702B**
10.00	21.0	66.5	10.0	3	85g	**-6705E**
12.00	24.0	70.0	12.0	4	116g	**-6708H**
14.00	28.5	73.0	12.0	4	131g	**-6710K**
16.00	26.0	77.0	16.0	4	212g	**-6714P**
18.00	35.0	80.0	16.0	4	282g	**-6716R**
20.00	38.0	83.5	25.0	4	300g	**-6717S**
25.00	44.5	101.5	25.0	5	332g	**-6722Y**
30.00	46.0	104.5	25.0	6	418g	**-6729E**

HSS-EV Threaded Shank Fine Pitch Ripper Cutters

HSS-EV
FINE PITCH

Four flute ripper cutters.
Manufactured from sintered HSS-EV extra vanadium steel. Knuckle form, **h8** tolerance.
Standard length.
Dimensions to **DIN 844.**
Shank to **DIN 1835D**.





Regular Series

Dia. (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	Weight each	Order Code SHR-061
6.00	15.0	58.0	6.0	4	13g	**-2600A**
8.00	20.0	70.0	10.0	4	36g	**-2601B**
10.00	28.0	75.0	10.0	4	36g	**-2602C**
12.00	33.0	85.0	12.0	4	71g	**-2603D**
16.00	38.0	90.0	16.0	4	131g	**-2604E**
20.00	47.0	110.0	20.0	4	228g	**-2605F**
25.00	52.0	125.0	25.0	4	401g	**-2606G**

HSS-EV Threaded Shank Coarse Pitch Ripper Cutters

HSS-EV
COARSE PITCH

Industrial quality for shaping and forming metal components. Four flute ripper cutters.
Manufactured from sintered HSS-EV extra vanadium steel. Knuckle form, **h8** tolerance, standard length.
Shank to **DIN 1835B**.

Regular Series



Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Number of Flutes	Weight each	Order Code SHR-061
6.00	13.0	57.0	6.0	4	13g	**-2540A**
8.00	19.0	69.0	10.0	4	35g	**-2541B**
10.00	22.0	72.0	10.0	4	37g	**-2542C**
12.00	26.0	83.0	12.0	4	71g	**-2543D**
16.00	32.0	92.0	16.0	4	131g	**-2544E**
20.00	38.0	104.0	20.0	4	228g	**-2545F**
25.00	45.0	121.0	25.0	4	407g	**-2546G**

HSS-EV TiCN Coated Screwed Shank Fine Pitch Ripper Cutters

HSS-EV TiCN
FINE PITCH

Four flute ripper cutters.
Manufactured from sintered HSS-EV extra vanadium steel.
Knuckle form. **h8** tolerance.
Dimensions to **DIN 844**.
Shank to **DIN 1835B**.

Regular Series



Dia. (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	Weight each	Order Code SHR-061
8.00	20.0	70.0	10.0	4	35g	**-2801B**
10.00	28.0	75.0	10.0	4	37g	**-2802C**
12.00	33.0	85.0	12.0	4	71g	**-2803D**
16.00	38.0	90.0	16.0	4	131g	**-2804E**
20.00	47.0	110.0	20.0	4	228g	**-2805F**
25.00	52.0	125.0	25.0	4	407g	**-2806G**

HSS-Co 5% Threaded Shank Coarse Pitch Roughing Cutters

HSS-Co 5%
COARSE PITCH

Knuckle Form
For use when high metal removal rates area required. Bright finish.
Flute type: 25° spiral,
roughing truncated.
Shank diameter to **js14**.

Long Series Type K432T



Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Number of Flutes	Weight each	Order Code SHR-061
10.00	37.0	82.5	10.0	3	44g	**-6760A**
12.00	49.5	95.0	12.0	4	69g	**-6763D**
16.00	58.5	108.5	16.0	4	139g	**-6769K**

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Number of Flutes	Weight each	Order Code SHR-061
20.00	76.0	121.5	16.0	4	187g	**-6773P**
25.00	100.0	157.0	25.0	5	427g	**-6779W**

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SWISS+TECH HSS-Co 8% Weldon Shank Slot Drills 2 Flute

HSS-Co 8% | TiCN

Centre cutting. Weldon shank to **DIN 1835B.**
Cutting diameter to **e8**. Shank diameter to **h6.**

HSS-Co 8% Uncoated For general production machining.

HSS-Co 8% TiCN Coated Extends cutter tool life and improves work material surface finish.

Series 01
Short Series Dimensions to **DIN 327**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	SDH-2WS HSS-Co 8% Order Code SWT-163	SDN-2WS TiCN Coated Order Code SWT-163
2.00	4.0	6.0	48.0	104g	**-0102A**	-
2.50	5.0	6.0	49.0	108g	**-0102L**	**-0132L**
3.00	5.0	6.0	49.0	110g	**-0103A**	**-0133A**
4.00	7.0	6.0	51.0	112g	**-0104A**	**-0134A**
4.50	7.0	6.0	51.0	114g	**-0104L**	-
5.00	8.0	6.0	52.0	117g	**-0105A**	**-0135A**
6.00	8.0	6.0	52.0	121g	**-0106A**	**-0136A**
7.00	10.0	10.0	60.0	336g	**-0107A**	-
8.00	11.0	10.0	61.0	345g	**-0108A**	**-0138A**
9.00	11.0	10.0	61.0	355g	**-0109A**	-
10.00	13.0	13.0	63.0	476g	**-0110A**	**-0140A**
11.00	13.0	12.0	70.0	587g	**-0111A**	-
12.00	16.0	12.0	73.0	613g	**-0112A**	**-0142A**
13.00	16.0	12.0	73.0	616g	**-0113A**	-
14.00	16.0	12.0	73.0	615g	**-0114A**	**-0144A**
15.00	16.0	12.0	73.0	654g	**-0115A**	-
16.00	19.0	16.0	79.0	1025g	**-0116A**	**-0146A**
18.00	19.0	16.0	79.0	1086g	**-0118A**	-
20.00	22.0	20.0	88.0	1423g	**-0120A**	-

Series 02
Regular Series Dimensions to **DIN 844**





Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	SDH-2WR HSS-Co 8% Order Code SWT-163	SDN-2WR TiCN Coated Order Code SWT-163
2.00	7.0	6.0	51.0	108g	**-0202A**	-
3.00	8.0	6.0	52.0	108g	**-0203A**	-
4.00	11.0	6.0	55.0	114g	**-0204A**	**-0234A**
5.00	13.0	6.0	57.0	121g	**-0205A**	-
6.00	13.0	6.0	57.0	150g	**-0206A**	**-0236A**
8.00	19.0	10.0	69.0	361g	**-0208A**	**-0238A**
10.00	22.0	10.0	72.0	402g	**-0210A**	**-0240A**
12.00	26.0	12.0	83.0	652g	**-0212A**	**-0242A**
14.00	26.0	12.0	83.0	710g	**-0214A**	-
16.00	32.0	16.0	92.0	950g	**-0216A**	**-0246A**
20.00	38.0	20.0	104.0	2114g	**-0220A**	-
25.00	45.0	25.0	121.0	2400g	**-0225A**	-

Series 03
Long Series Dimensions to **DIN 844**





Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	SDH-2WL HSS-Co 8% Order Code SWT-163	SDN-2WL TiCN Coated Order Code SWT-163
2.00	7.0	6.0	54.0	110g	**-0302A**	-
3.00	8.0	6.0	56.0	116g	**-0303A**	-
4.00	11.0	6.0	63.0	120g	**-0304A**	-
6.00	13.0	6.0	68.0	153g	**-0306A**	**-0336A**
8.00	19.0	10.0	88.0	442g	**-0308A**	**-0338A**
10.00	22.0	10.0	95.0	528g	**-0310A**	**-0340A**
12.00	26.0	12.0	110.0	736g	**-0312A**	**-0342A**
16.00	32.0	16.0	123.0	1734g	**-0316A**	-
20.00	38.0	20.0	141.0	3064g	**-0320A**	-

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SWISS+TECH HSS-Co 8% Weldon Shank Slot Drills 3 Flute

HSS-Co 8% | TiCN | TiALN

Centre cutting. Weldon shank to **DIN 1835B**.
Cutting diameter to **e8**.
Shank diameter to **h6**.

HSS-Co 8% Uncoated For general production machining.

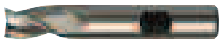
HSS-Co 8% TiCN Coated Extends cutter tool life and improves work material surface finish.

HSS-Co 8% TiALN Coated Dissipates and resists heat, reduces surface friction coupled with high surface hardness.





Series 05
Short Series Dimensions to **DIN 327**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	SDH-3WS HSS-Co 8% Order Code SWT-163	SDN-3WS TiCN Coated Order Code SWT-163	SDL-3WS TiALN Coated Order Code SWT-163
2.00	4.0	6.0	48.0	107g	**-0502A**	**-0532A**	**-0562A**
3.00	5.0	6.0	49.0	109g	**-0503A**	**-0533A**	**-0563A**
4.00	7.0	6.0	51.0	112g	**-0504A**	**-0534A**	**-0564A**
5.00	8.0	6.0	52.0	117g	**-0505A**	**-0535A**	**-0565A**
6.00	8.0	6.0	52.0	123g	**-0506A**	**-0536A**	**-0566A**
7.00	10.0	10.0	60.0	339g	**-0507A**	**-0537A**	-
8.00	11.0	10.0	61.0	353g	**-0508A**	**-0538A**	**-0568A**
9.00	11.0	10.0	61.0	355g	**-0509A**	-	-
10.00	13.0	10.0	63.0	382g	**-0510A**	**-0540A**	**-0570A**
12.00	16.0	12.0	73.0	617g	**-0512A**	**-0542A**	**-0572A**
14.00	16.0	12.0	73.0	688g	**-0514A**	**-0544A**	**-0574A**
16.00	19.0	16.0	79.0	1220g	**-0516A**	**-0546A**	**-0576A**
20.00	22.0	20.0	88.0	1894g	**-0520A**	**-0550A**	-
25.00	26.0	25.0	102.0	3388g	**-0525A**	-	-



Series 06
Regular Series Dimensions to **DIN 844**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 10	SDH-3WR HSS-Co 8% Order Code SWT-163	SDN-3WR TiCN Coated Order Code SWT-163	SDL-3WR TiALN Coated Order Code SWT-163
3.00	8.0	6.0	52.0	111g	**-0603A**	**-0633A**	**-0663A**
4.00	11.0	6.0	55.0	114g	**-0604A**	**-0634A**	**-0664A**
5.00	13.0	6.0	57.0	129g	**-0605A**	**-0635A**	**-0665A**
6.00	13.0	6.0	57.0	128g	**-0606A**	**-0636A**	**-0666A**
7.00	16.0	10.0	66.0	340g	-	**-0637A**	-
8.00	19.0	10.0	69.0	368g	**-0608A**	**-0638A**	**-0668A**
9.00	19.0	10.0	69.0		**-0609A**	**-0639A**	-
10.00	22.0	10.0	72.0	404g	**-0610A**	**-0640A**	**-0670A**
11.00	22.0	12.0	79.0		**-0611A**	**-0641A**	-
12.00	26.0	12.0	83.0	666g	**-0612A**	**-0642A**	**-0672A**
13.00	26.0	12.0	83.0		**-0613A**	-	-
14.00	26.0	12.0	83.0	710g	**-0614A**	**-0644A**	**-0674A**
16.00	32.0	16.0	92.0	950g	**-0616A**	**-0646A**	**-0676A**
18.00	32.0	16.0	92.0		**-0618A**	-	-
20.00	38.0	20.0	104.0	2114g	**-0620A**	**-0650A**	**-0680A**
25.00	45.0	25.0	121.0	2400g	**-0625A**	-	-



Series 07
Long Series Dimensions to **DIN 844**





Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 5	SDH-3WL HSS-Co 8% Order Code SWT-163	SDN-3WL TiCN Coated Order Code SWT-163
3.00	12.0	6.0	56.0	49g	**-0703A**	**-0733A**
4.00	19.0	6.0	63.0	59g	**-0704A**	**-0734A**
5.00	24.0	6.0	68.0	69g	**-0705A**	**-0735A**
6.00	24.0	6.0	68.0	72g	**-0706A**	**-0736A**
8.00	38.0	10.0	88.0	206g	**-0708A**	**-0738A**
10.00	45.0	10.0	95.0	245g	**-0710A**	**-0740A**
12.00	53.0	12.0	110.0	379g	**-0712A**	**-0742A**
14.00	53.0	12.0	110.0	420g	**-0714A**	-
16.00	63.0	16.0	123.0	746g	**-0716A**	**-0746A**
20.00	75.0	20.0	141.0	1314g	**-0720A**	-
22.00	75.0	20.0	141.0	1425g	**-0722A**	-
25.00	90.0	25.0	166.0	2415g	**-0725A**	-

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HSS-Co 8% Weldon Shank End Mills 4 & 6 Flute

HSS-Co 8% | TiCN | TiALN

Centre cutting. Weldon shank to **DIN 1835B**.
Shank cutting diameter
3 - 6mm to +0.04 -0.0.
8 - 20mm to +0.05 -0.0.

HSS-Co 8% Uncoated For general production machining.

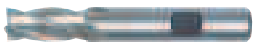
HSS-Co 8% TiCN Coated Extends cutter tool life and improves work material surface finish.

HSS-Co 8% TiALN Coated Dissipates and resists heat, reduces surface friction coupled with high surface hardness.





Series 09
Regular Series Dimensions to **DIN 844**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 10	EMH-4WR HSS-Co 8% Order Code SWT-163	EMN-4WR TiCN Coated Order Code SWT-163	EML-4WR TiALN Coated Order Code SWT-163
2.00	7.0	6.0	51.0	4	108g	-0902A	-0932A	-0962A
3.00	8.0	6.0	52.0	4	111g	-0903A	-0933A	-0963A
4.00	11.0	6.0	55.0	4	117g	-0904A	-0934A	-0964A
5.00	13.0	6.0	57.0	4	126g	-0905A	-0935A	-0965A
6.00	13.0	6.0	57.0	4	133g	-0906A	-0936A	-0966A
7.00	16.0	10.0	66.0	4	332g	-0907A	-	-
8.00	19.0	10.0	69.0	4	375g	-0908A	-0938A	-0968A
9.00	19.0	10.0	69.0	4		-0909A	-	-
10.00	22.0	10.0	72.0	4	423g	-0910A	-0940A	-0970A
11.00	22.0	12.0	79.0	4		-0911A	-	-
12.00	26.0	12.0	83.0	4	688g	-0912A	-0942A	-0972A
13.00	26.0	12.0	83.0	4		-0913A	-	-
14.00	26.0	12.0	83.0	4	725g	-0914A	-	-0974A
15.00	26.0	12.0	83.0	4		-0915A	-	-
16.00	32.0	16.0	92.0	4	1037g	-0916A	-0946A	-0976A
17.00	32.0	16.0	92.0	4		-0917A	-	-
18.00	32.0	16.0	92.0	4	1390g	-0918A	-	-0978A
19.00	32.0	16.0	92.0	4		-0919A	-	-
20.00	38.0	20.0	104.0	4	2114g	-0920A	-0950A	-0980A
25.00	45.0	25.0	121.0	6	2400g	-0925A(1)	-0955A(2)	-0985A(3)

(1) EMH-6WR HSS-Co 8% (2) EMN-6WR TiCN Coated (3) EML-6WR TiAlN Coated



Series 10
Long Series Dimensions to **DIN 844**







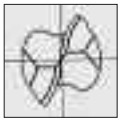
Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 5	EMH-4WL HSS-Co 8% Order Code SWT-163	EMN-4WL TiCN Coated Order Code SWT-163	EML-4WL TiALN Coated Order Code SWT-163
3.00	12.0	6.0	56.0	4	55g	-1003A	-1033A	-1063A
4.00	19.0	6.0	63.0	4	61g	-1004A	-1034A	-1064A
5.00	24.0	6.0	68.0	4	67g	-1005A	-1035A	-1065A
6.00	24.0	6.0	68.0	4	74g	-1006A	-1036A	-1066A
8.00	38.0	10.0	88.0	4	215g	-1008A	-1038A	-1068A
10.00	45.0	10.0	95.0	4	260g	-1010A	-1040A	-1070A
12.00	53.0	12.0	110.0	4	408g	-1012A	-1042A	-1072A
14.00	53.0	12.0	110.0	4	471g	-1014A	-1044A	-1074A
16.00	63.0	16.0	123.0	4	806g	-1016A	-1046A	-1076A
20.00	75.0	20.0	141.0	4	1433g	-1020A	-1050A	-1080A

HSS-Co 8% Weldon Shank Ball Nose Slot Drills 2 Flute

HSS-Co 8% | TiCN

Centre cutting.
Weldon shank to **DIN 1835B**.
Cutting diameter to **e8**.
Shank diameter to **h6**.





Series 11
Short Series Dimensions to **DIN 327**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 5	SBH-2WS HSS-Co 8% Order Code SWT-163	SBN-2WS TiCN Coated Order Code SWT-163
2.00	5.0	6.0	49.0	52g	-1102A	-
3.00	5.0	6.0	49.0	54g	-1103A	-
4.00	7.0	6.0	51.0	55g	-1104A	-1134A
5.00	8.0	6.0	52.0	58g	-1105A	-
6.00	8.0	6.0	52.0	60g	-1106A	-1136A
8.00	11.0	10.0	61.0	170g	-1108A	-1138A
10.00	13.0	10.0	63.0	188g	-1110A	-1140A
12.00	16.0	12.0	73.0	306g	-1112A	-1142A
16.00	19.0	16.0	79.0	535g	-1116A	-1146A
20.00	22.0	20.0	88.0	944g	-1120A	-

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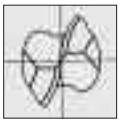
SWISS+TECH

HSS-Co 8%

HSS-Co 8% Weldon Shank 42° High Helix Slot Drills 2 Flute For Aluminium



For general production machining.
Centre cutting.
Weldon shank to **DIN 1835B**.
Shank cutting diameter to +0.04 -0.0.



Series 15
Regular Length Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight per 5	Order Code SWT-163
3.00	8.0	6.0	52.0	55g	**-1503A**
4.00	11.0	6.0	55.0	56g	**-1504A**
5.00	13.0	6.0	57.0	60g	**-1505A**
6.00	13.0	6.0	57.0	62g	**-1506A**
8.00	19.0	10.0	69.0	175g	**-1508A**
10.00	22.0	10.0	72.0	190g	**-1510A**
12.00	26.0	12.0	83.0	326g	**-1512A**
16.00	32.0	16.0	92.0	603g	**-1516A**
20.00	38.0	20.0	104.0	1054g	**-1520A**

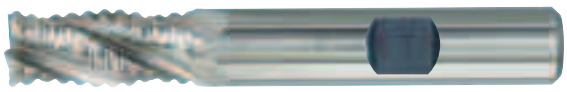
HSS-Co 8% Weldon Shank Coarse Pitch Ripper Cutters

HSS-Co 8%

For general production machining.
Centre cutting.
Weldon shank to **DIN 1835B**.
Cutting diameter to **js12**.
Shank diameter to **h6**.







Series 17
Regular Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 10	Order Code SWT-163
6.00	13.0	6.0	57.0	3	129g	**-1706A**(1)
8.00	19.0	10.0	69.0	3	311g	**-1708A**(1)
10.00	22.0	10.0	72.0	4	337g	**-1710A**
12.00	26.0	12.0	83.0	4	690g	**-1712A**
16.00	32.0	16.0	92.0	4	1280g	**-1716A**
20.00	38.0	20.0	104.0	4	2224g	**-1720A**

(1) RCH-3WL HSS-Co 8%

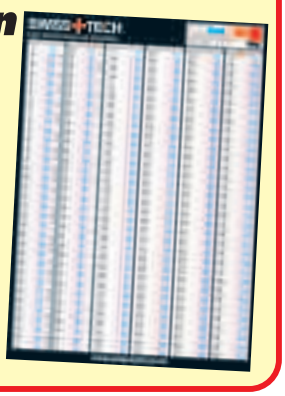
FREE SWISS+TECH

Decimal Conversion Wall Chart
(A2 Size)

AVAILABLE ON REQUEST

CAT-849-2189A

Contact your local branch or representative.



HSS-Co 8% Weldon Shank Coarse Pitch Ripper Cutters

Centre cutting. Weldon shank to **DIN 1835B**.
Cutting diameter to **js12**.
Shank diameter to **h6**.





Series 18
Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 5	Order Code SWT-163
8.00	38.0	10.0	88.0	3	215g	**-1808A**(1)
10.00	45.0	10.0	95.0	4	259g	**-1810A**
12.00	53.0	12.0	110.0	4	401g	**-1812A**
16.00	63.0	16.0	123.0	4	804g	**-1816A**
20.00	75.0	20.0	141.0	4	1132g	**-1820A**
25.00	90.0	25.0	166.0	5	2627g	**-1825A**(4)

(1) RCH-3WL HSS-Co 8%
(4) RCH-5WL HSS-Co 8%

HSS-CO 8% Weldon Shank Coarse Pitch 37° High Helix for Aluminium Roughing End Mills 3 Flute



Centre cutting. Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.



Series 20
Regular Length Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight each	Order Code SWT-163
6.00	13.0	6.0	57.0	12g	**-2006A**
8.00	19.0	10.0	69.0	36g	**-2008A**
10.00	22.0	10.0	72.0	40g	**-2010A**
12.00	26.0	12.0	83.0	67g	**-2012A**
16.00	32.0	16.0	93.0	124g	**-2016A**
20.00	38.0	20.0	104.0	215g	**-2020A**

HSS-CO 8% Weldon Shank Coarse Pitch 37° High Helix for Aluminium Roughing End Mills 3 Flute



Centre cutting. Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.



Series 21
Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Shank Diameter	Overall Length	Weight each	Order Code SWT-163
10.00	45.0	10.0	95.0	49g	**-2110A**
12.00	53.0	12.0	110.0	78g	**-2112A**
20.00	75.0	20.0	141.0	263g	**-2120A**

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HSS-Co 8% | TiCN | TiALN

HSS-Co 8% Uncoated For general production machining.

HSS-Co 8% TiCN Coated Extends cutter tool life and improves work material surface finish.

HSS-Co 8% TiALN Coated Dissipates and resists heat, reduces surface friction coupled with high surface hardness.

SWISS+TECH *HSS-Co 8% Weldon Shank Fine Pitch Ripper Cutters*

Centre cutting.
Weldon shank to **DIN 1835B**.
Cutting diameter to **js12**.
Shank diameter to **h6**.







Series 25
Regular Series Dimensions to **DIN 844**







Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No. of Flutes	Weight per 5	RFH-4WR HSS-Co 8% Order Code SWT-163	RFN-4WR TiCN Coated Order Code SWT-163	RFL-4WR TiALN Coated Order Code SWT-163
6.00	13.0	6.0	57.0	3	65g	**-2506A**(1)	**-2536A**(2)	**-2566A**(3)
8.00	19.0	10.0	69.0	3	186g	**-2508A**(1)	**-2538A**(2)	**-2568A**(3)
10.00	22.0	10.0	72.0	4	212g	**-2510A**	**-2540A**	**-2570A**
12.00	26.0	12.0	83.0	4	356g	**-2512A**	**-2542A**	**-2572A**
16.00	32.0	16.0	92.0	4	642g	**-2516A**	**-2546A**	**-2576A**
20.00	38.0	20.0	104.0	4	1123g	**-2520A**	**-2550A**	**-2580A**

(1) RFH-3WR HSS Co 8% (2) RFN-3WR TiCN Coated (3) RFL-3WR TiALN Coated



Series 26
Long Series Dimensions to **DIN 844**





Diameter (mm)	Flute Length	Shank Diameter	Overall Length	No.of Flutes	Weight per 5	RFH-4WL HSS-Co 8% Order Code SWT-163	RFN-4WL TiCN Coated Order Code SWT-163
6.00	24.0	6.0	68.0	3	80g	**-2606A**(1)	-
8.00	38.0	10.0	88.0	3	212g	**-2608A**(1)	**-2638A**(2)
10.00	45.0	10.0	95.0	4	264g	**-2610A**	**-2640A**
12.00	53.0	12.0	110.0	4	408g	**-2612A**	**-2642A**
16.00	63.0	16.0	123.0	4	790g	**-2616A**	**-2646A**
20.00	75.0	20.0	141.0	4	1411g	**-2620A**	**-2650A**

(1) RFH-3WL HSS Co 8% (2) RFN-3WL TiCN Coated

SHERWOOD QUALITY CUTTING TOOLS *HSS-E Weldon Shank Coarse Pitch Ripper Cutters*

Industrial quality for shaping and forming metal components.
4 flute ripper cutters.
Manufactured from sintered HSS-E extra vanadium steel.
Knuckle form, **h8** tolerance, standard length.
Shank to **DIN 1835D**.

COARSE PITCH **HSS-EV**



Regular Series

Dia. (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	Weight each	Order Code SHR-061
6.00	13.0	57.0	6.0	4	13g	**-2560A**
8.00	19.0	69.0	10.0	4	36g	**-2561B**
10.00	22.0	72.0	10.0	4	40g	**-2562C**
12.00	26.0	83.0	12.0	4	71g	**-2563D**
16.00	32.0	92.0	16.0	4	134g	**-2564E**
20.00	38.0	104.0	20.0	4	221g	**-2565F**
25.00	45.0	121.0	25.0	4	427g	**-2566G**

HSS-EV Weldon Shank Fine Pitch Ripper Cutters

4 flute ripper cutters.
Manufactured from sintered HSS-EV extra vanadium steel.
Knuckle form. **h8** tolerance. Standard length.
Dimensions to **DIN 844**.
Shank to **DIN 1835D**.

FINE PITCH **HSS-EV**



Regular Series

Dia. (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	Weight each	Order Code SHR-061
6.00	15.0	58.0	6.0	4	16g	**-2620A**
8.00	20.0	70.0	10.0	4	36g	**-2621B**
10.00	28.0	75.0	10.0	4	41g	**-2622C**
12.00	33.0	85.0	12.0	4	74g	**-2623D**
16.00	38.0	90.0	16.0	4	125g	**-2624E**
20.00	47.0	110.0	20.0	4	232g	**-2625F**
25.00	52.0	125.0	25.0	4	402g	**-2625G**

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SWISS+TECH Carbide Plain Shank Milling Cutters

CARBIDE TiCN

Centre cutting. To **Manufacturers Standards**.

HSS-Co 8% Uncoated For general production machining.

HSS-Co 8% TiCN Coated Extends cutter tool life and improves work material surface finish.

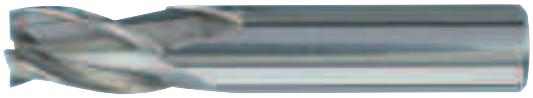
HSS-Co 8% TiALN Coated Dissipates and resists heat, reduces surface friction coupled with high surface hardness.





Series 45
2 Flute - Short Series Dimensions to **DIN 6535 HA**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Weight each	SDC-2PS Carbide Order Code SWT-161	SDT-2PS TiCN Coated Order Code SWT-161
2.00	8.0	32.0	2.0	3g	-4502A	-4532A
2.50	8.0	32.0	2.5	4g	-4502L	-
3.00	12.0	32.0	3.0	4g	-4503A	-
4.00	12.0	40.0	4.0	7g	-4504A	-
5.00	14.0	50.0	5.0	13g	-4505A	-
6.00	16.0	50.0	6.0	18g	-4506A	-4536A
7.00	20.0	60.0	7.0	37g	-4507A	-
8.00	20.0	60.0	8.0	37g	-4508A	-4538A
9.00	20.0	60.0	9.0	49g	-4509A	-
10.00	22.0	70.0	10.0	68g	-4510A	-4540A
12.00	22.0	70.0	12.0	96g	-4512A	-
14.00	25.0	75.0	14.0	134g	-4514A	-
16.00	25.0	75.0	16.0	172g	-4516A	-



CARBIDE TiCN



Series 48
3 Flute - Short Series

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Weight each	SDC-3PS Carbide Order Code SWT-161	SDT-3PS TiCN Coated Order Code SWT-161
1.00	4.0	40.5	4.0	7g	-4801A	-4831A
1.50	4.5	40.0	4.0	7g	-4801L	-4831L
2.00	8.0	32.0	2.0	3g	-4802A	-4832A
2.50	8.0	32.0	2.5	3g	-4802L	-4832L
3.00	12.0	32.0	3.0	4g	-4803A	-4833A
3.50	12.0	32.0	3.5	4g	-4803L	-4833L
4.00	12.0	40.0	4.0	7g	-4804A	-4834A
4.50	12.0	50.0	4.5	11g	-4804L	-4834L
5.00	14.0	50.0	6.0	13g	-4805A	-4835A
5.50	16.0	50.0	6.0	16g	-4805L	-
6.00	16.0	50.0	6.0	18g	-4806A	-4836A
6.50	20.0	50.0	8.0	25g	-4806L	-
7.00	20.0	50.0	8.0	50g	-4807A	-4837A
7.50	20.0	60.0	8.0	55g	-4807L	-
8.00	20.0	60.0	8.0	57g	-4808A	-4838A
9.00	20.0	60.0	9.0	60g	-4809A	-
10.00	22.0	60.0	10.0	71g	-4810A	-4840A
12.00	22.0	60.0	12.0	100g	-4812A	-4842A
16.00	25.0	75.0	16.0	175g	-4816A	-
20.00	32.0	100.0	20.0	367g	-4820A	-



CARBIDE TiCN



Series 50
4 Flute - Short Series

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Weight each	EMC-4PS Carbide Order Code SWT-161	EMT-4PS TiCN Coated Order Code SWT-161
2.00	8.0	32.0	2.0	3g	-5002A	-5032A
2.50	8.0	32.0	2.5	3g	-5002L	-
3.00	12.0	32.0	3.0	4g	-5003A	-5033A
3.50	12.0	32.0	3.5	4g	-5003L	-
4.00	12.0	40.0	4.0	7g	-5004A	-5034A
5.00	14.0	50.0	5.0	14g	-5005A	-5035A
6.00	16.0	50.0	6.0	19g	-5006A	-5036A
6.50	20.0	50.0	8.0	25g	-5006L	-
7.00	20.0	60.0	7.0	49g	-5007A	-5037A
7.50	20.0	60.0	8.0	55g	-5007L	-
8.00	20.0	60.0	8.0	57g	-5008A	-5038A
9.00	20.0	60.0	9.0	60g	-5009A	-5039A
10.00	20.0	70.0	10.0	71g	-5010A	-5040A
11.00	22.0	60.0	12.0	90g	-5011A	-5041A
12.00	22.0	70.0	12.0	102g	-5012A	-5042A
14.00	25.0	75.0	14.0	184g	-5014A	-5044A
16.00	25.0	75.0	16.0	386g	-5016A	-5046A
20.00	32.0	100.0	20.0	892g	-5020A	-5050A
25.00	46.0	150.0	25.0	895g	-5025A	-5055A

6 Piece Sets
Dimensions to **DIN 844.** Cutting diameter to **js12**.
Shank diameter to **h6**.

Contents: 3, 4, 5, 6, 8 and 10mm.

6 PIECES

CARBIDE



Number of Flutes	Series Number	Order Code SWT-161
2	45	-4526A
3	48	-4890A
4	50	-5028A

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KENNEDY Carbide Micrograin Plain Shank Milling Cutters

CARBIDE

2 Flute

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non-ferrous and other soft materials. Manufactured to **Works Standards**.

Tolerances					
Diameter Metric	Tolerance +	Tolerance -	Diameter Inch	Tolerance +	Tolerance -
Over 1.00 ~ up to 6.00	0.000	0.050	Over 1/16" ~ up to 1/4"	0.000	0.002
Over 6.00 ~ up to 25.00	0.000	0.080	Over 1/4" ~ up to 1"	0.000	0.003

Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1.00	3.0	40.0	4.0	15g	-0020K
1.50	4.0	40.0	4.0	15g	-0030K
2.00	8.0	32.0	2.0	15g	-0040K
2.50	8.0	32.0	2.5	15g	-0050K
3.00	12.0	32.0	3.0	15g	-0060K
3.50	12.0	32.0	3.5	20g	-0070K
4.00	12.0	40.0	4.0	20g	-0080K
4.50	14.0	50.0	4.5	20g	-0090K
5.00	14.0	50.0	5.0	30g	-0100K
6.00	16.0	50.0	6.0	35g	-0120K
7.00	20.0	60.0	7.0	40g	-0140K
8.00	20.0	60.0	8.0	40g	-0160K
9.00	20.0	60.0	9.0	60g	-0180K
10.00	22.0	70.0	10.0	100g	-0200K
11.00	22.0	70.0	11.0	120g	-0220K
12.00	22.0	70.0	12.0	130g	-0240K
14.00	25.0	75.0	14.0	180g	-0280K
16.00	25.0	75.0	16.0	230g	-0320K
18.00	25.0	75.0	18.0	230g	-0360K
20.00	32.0	100.0	20.0	240g	-0400K



Regular Series - Inch

Diameter (inch)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1/8"	1/2"	1 1/2"	1/8"	10g	-0580K
3/16"	5/8"	2"	3/16"	20g	-0620K
1/4"	3/4"	2 1/2"	1/4"	30g	-0660K
5/16"	13/16"	2 1/2"	5/16"	45g	-0700K
3/8"	1"	2 1/2"	3/8"	60g	-0740K
1/2"	1"	3"	1/2"	165g	-0820K
3/4"	1 1/2"	4"	1"	640g	-0980K

3 Flute

CARBIDE

Centre cutting as standard. Offer a combination of advantages achieved with two and four flutes giving profile and peripheral milling capability in addition to slotting and plunging. Manufactured to **Works Standards**.

Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1.00	3.0	40.0	4.0	15g	-3020K
1.50	4.5	40.0	4.0	15g	-3030K
2.00	8.0	32.0	2.0	15g	-3040K
2.50	8.0	32.0	2.5	15g	-3050K
3.00	12.0	32.0	3.0	15g	-3060K
3.50	12.0	32.0	3.5	20g	-3070K
4.00	14.0	40.0	4.0	20g	-3080K
4.50	14.0	50.0	4.5	20g	-3090K
5.00	14.0	50.0	5.0	30g	-3100K
6.00	16.0	50.0	6.0	35g	-3120K
7.00	20.0	60.0	7.0	40g	-3140K
8.00	20.0	60.0	8.0	40g	-3160K
9.00	20.0	60.0	10.0	60g	-3180K
10.00	22.0	70.0	10.0	100g	-3200K
11.00	22.0	70.0	11.0	120g	-3220K
12.00	22.0	70.0	12.0	130g	-3240K
14.00	25.0	75.0	14.0	180g	-3280K
16.00	25.0	75.0	16.0	230g	-3320K
18.00	25.0	75.0	18.0	230g	-3360K
20.00	32.0	100.0	20.0	240g	-3400K
25.00	38.0	150.0	25.0	640g	-3500K



Regular Series - Inch

Diameter (inch)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1/16"	3/16"	1 1/2"	1/8"	10g	-3540K
3/32"	9/32"	1 1/2"	1/8"	10g	-3560K
1/8"	3/8"	1 1/2"	1/8"	10g	-3580K
3/16"	5/8"	2"	3/16"	20g	-3620K
1/4"	3/4"	2 1/2"	1/4"	30g	-3660K
5/16"	13/16"	2 1/2"	5/16"	45g	-3700K
3/8"	1"	2 1/2"	3/8"	60g	-3740K
1/2"	1"	3"	1/2"	140g	-3820K
5/8"	1 1/4"	3 1/2"	5/8"	230g	-3900K

4 Flute

CARBIDE

Centre cutting as standard. For maximum strength when milling harder materials where rapid swarf removal is not needed. Four flute milling cutters have one of the strongest tooth structures available in solid cutters. Manufactured to **Works Standards**.

Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1.00	3.0	40.0	4.0	15g	-6020K
1.50	4.5	40.0	4.0	15g	-6030K
2.00	8.0	32.0	2.0	15g	-6040K
2.50	9.5	32.0	2.5	15g	-6050K
3.00	12.0	32.0	3.0	15g	-6060K
3.50	12.0	32.0	3.5	20g	-6070K
4.00	14.0	40.0	4.0	20g	-6080K
4.50	14.0	50.0	4.5	20g	-6090K
5.00	14.0	50.0	5.0	30g	-6100K
6.00	16.0	50.0	6.0	35g	-6120K
7.00	20.0	60.0	8.0	40g	-6140K
8.00	20.0	60.0	8.0	40g	-6160K
9.00	20.0	60.0	9.0	60g	-6180K
10.00	22.0	70.0	10.0	100g	-6200K
11.00	22.0	70.0	11.0	120g	-6220K
12.00	22.0	70.0	12.0	130g	-6240K
14.00	25.0	75.0	14.0	180g	-6280K
16.00	25.0	75.0	16.0	230g	-6320K
18.00	25.0	75.0	18.0	230g	-6360K
20.00	32.0	100.0	20.0	240g	-6400K
25.00	38.0	100.0	25.0	640g	-6500K



Regular Series - Inch

Diameter (inch)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
1/16"	3/16"	1 1/2"	1/8"	10g	-6540K
3/32"	3/8"	1 1/2"	1/8"	10g	-6560K
1/8"	1/2"	1 1/2"	1/8"	10g	-6580K
3/16"	5/8"	2"	3/16"	20g	-6620K
7/32"	5/8"	2 1/2"	1/4"	30g	-6640K
1/4"	3/4"	2 1/2"	1/4"	30g	-6660K
5/16"	13/16"	2 1/2"	5/16"	45g	-6700K
3/8"	1"	2 1/2"	3/8"	60g	-6740K
1/2"	1"	3"	1/2"	165g	-6820K

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KENNEDY Carbide Micrograin Plain Shank Slot Drills

Long Series - 2 Flute

For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards**.

Tolerances					
Diameter Metric	**Tolerance** +	-	**Diameter** Inch	**Tolerance** +	-
Over 1.00 ~ up to 6.00	0.000	0.050	Over 1/16" ~ up to 1/4"	0.000	0.002
Over 6.00 ~ up to 25.00	0.000	0.080	Over 1/4" ~ up to 1"	0.000	0.003

CARBIDE



Long Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
3.00	20.0	60.0	3.0	15g	**-1003K**
4.00	20.0	60.0	4.0	20g	**-1004K**
5.00	25.0	75.0	5.0	30g	**-1005K**
6.00	30.0	75.0	6.0	35g	**-1006K**
8.00	30.0	75.0	8.0	40g	**-1008K**
10.00	40.0	100.0	10.0	100g	**-1010K**
12.00	45.0	100.0	12.0	130g	**-1012K**
16.00	65.0	150.0	16.0	230g	**-1016K**
20.00	65.0	150.0	16.0	240g	**-1020K**

Long Series - 3 Flute

CARBIDE



Long Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
3.00	25.0	75.0	3.0	15g	**-4003K**
4.00	25.0	75.0	4.0	20g	**-4004K**
5.00	25.0	75.0	6.0	30g	**-4005K**
6.00	25.0	75.0	6.0	35g	**-4006K**
8.00	25.0	75.0	8.0	40g	**-4008K**
10.00	38.0	100.0	10.0	100g	**-4010K**
12.00	50.0	100.0	12.0	130g	**-4012K**
16.00	75.0	150.0	16.0	230g	**-4016K**

Long Series - 4 Flute

CARBIDE



Long Series - Metric

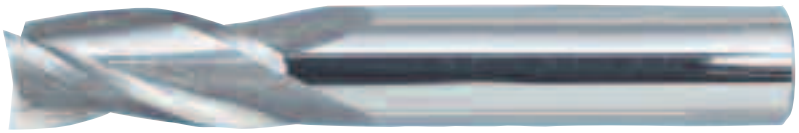
Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
3.00	20.0	60.0	3.0	15g	**-9203K**
4.00	20.0	60.0	4.0	20g	**-9204K**
5.00	25.0	75.0	5.0	30g	**-9205K**
6.00	30.0	75.0	6.0	35g	**-9206K**
8.00	30.0	75.0	8.0	40g	**-9208K**
10.00	40.0	100.0	10.0	100g	**-9210K**
12.00	45.0	100.0	12.0	130g	**-9212K**
16.00	65.0	150.0	16.0	230g	**-9216K**
20.00	65.0	150.0	20.0	240g	**-9220K**

SHERWOOD Carbide Micrograin Plain Shank Milling Cutters

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non-ferrous and other soft materials. Manufactured to **USCTi Standards**.
Two flute for maximum swarf clearance. Four flute for maximum rigidity.
(Three flute a combination of the advantages achieved with two and four flutes.)

CARBIDE

Tolerances		
Diameter Metric	**Tolerance** +	-
Over 1.00 ~ up to 6.00	0.000	0.050
Over 6.00 ~ up to 25.00	0.000	0.080



EXTENDED RANGE








Regular Series					2 FLUTE	3 FLUTE	4 FLUTE
Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **SHR-161**	Order Code **SHR-161**	Order Code **SHR-161**
1.50	5.0	39.0	3.0		**-0030K**	-	-
2.00	7.0	39.0	3.0	15g	**-0040K**	**-3040K**	**-6040K**
2.50	8.0	39.0	3.0		**-0050K**	**-3050K**	**-6050K**
3.00	10.0	39.0	3.0	15g	**-0060K**	**-3060K**	**-6060K**
3.50	12.0	51.0	4.0		**-0070K**	**-3070K**	**-6070K**
4.00	14.0	51.0	4.0	20g	**-0080K**	**-3080K**	**-6080K**
4.50	14.0	51.0	5.0	25g	**-0090K**	**-3090K**	**-6090K**
5.00	16.0	51.0	5.0	30g	**-0100K**	**-3100K**	**-6100K**
5.50	19.0	64.0	6.0		-	**-3110K**	-
6.00	19.0	64.0	6.0	35g	**-0120K**	**-3120K**	**-6120K**
6.50	19.0	70.0	8.0		-	**-3130K**	**-6130K**
7.00	19.0	64.0	8.0	40g	**-0140K**	**-3140K**	**-6140K**
8.00	21.0	64.0	8.0	40g	**-0160K**	**-3160K**	**-6160K**
8.50	22.0	70.0	10.0		-	**-3170K**	**-6170K**
9.00	22.0	70.0	10.0	60g	**-0180K**	**-3180K**	**-6180K**
10.00	25.0	70.0	10.0	100g	**-0200K**	**-3200K**	**-6200K**
11.00	25.0	70.0	11.0		-	**-3220K**	**-6220K**
12.00	25.0	76.0	12.0	130g	**-0240K**	**-3240K**	**-6240K**
13.00	30.0	89.0	14.0		-	**-3260K**	-
14.00	30.0	89.0	14.0	180g	**-0280K**	**-3280K**	**-6280K**
15.00	32.0	89.0	15.0		-	**-3300K**	-
16.00	32.0	89.0	16.0	230g	**-0320K**	**-3320K**	**-6320K**
20.00	38.0	100.0	20.0	240g	**-0400K**	**-3400K**	**-6400K**

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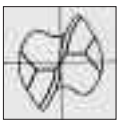
SHERWOOD QUALITY CUTTING TOOLS

CARBIDE

Carbide Micrograin Plain Shank Slot Drills 2 Flute Ball Nosed



For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards**.

Tolerances		
Diameter Metric	Tolerance +	-
Over 1.00 ~ up to 6.00	0.000	0.050
Over 6.00 ~ up to 25.00	0.000	0.080



Regular Series

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code SHR-161
2.00	4.0	38.0	3.0	10g	**-1040K**
3.00	6.0	38.0	3.0	10g	**-1060K**
4.00	8.0	50.0	4.0	15g	**-1080K**
5.00	10.0	50.0	6.0	25g	**-1100K**
6.00	12.0	50.0	6.0	25g	**-1120K**
7.00	19.0	63.0	8.0	45g	**-1140K**
8.00	20.0	63.0	8.0	55g	**-1160K**
10.00	22.0	75.0	10.0	90g	**-1200K**
12.00	25.0	75.0	12.0	120g	**-1240K**
16.00	32.0	89.0	16.0	250g	**-1320K**
20.00	38.0	100.0	20.0	420g	**-1400K**

Solid Carbide Micrograin Plain Shank End Mills 4 Flute Ball Nosed

CARBIDE



For maximum strength when milling harder materials where rapid swarf removal is not needed. Four flute milling cutters have one of the strongest tooth structures available in solid cutters. Centre cutting as standard.
Manufactured to **ANSI Standards**.

Tolerances		
Diameter Metric	Tolerance +	-
Over 1.00 ~ up to 6.00	0.000	0.050
Over 6.00 ~ up to 25.00	0.000	0.080



Regular Series

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code SHR-161
2.00	6.3	38.0	3.0	10g	**-7040K**
3.00	12.0	38.0	3.0	10g	**-7060K**
4.00	14.0	50.0	4.0	15g	**-7080K**
5.00	16.0	50.0	6.0	25g	**-7100K**
6.00	19.0	50.0	6.0	25g	**-7120K**
8.00	20.0	63.0	8.0	55g	**-7160K**
10.00	22.0	75.0	10.0	90g	**-7200K**
12.00	25.0	75.0	12.0	120g	**-7240K**
16.00	32.0	89.0	16.0	250g	**-7320K**
20.00	38.0	100.0	20.0	420g	**-7400K**

SWISS+TECH

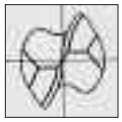
Carbide Plain Shank Slot Drills 2 Flute Ball Nosed

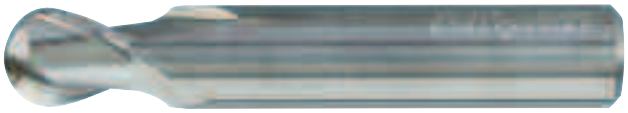
CARBIDE TiCN

Centre cutting.
To **Manufacturers Standards**.

Carbide Uncoated — For general production machining.

TiCN Coated — Extends cutter tool life and improves work material surface finish.





Series 53
Short Series





Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Weight each	SBC-2PS Carbide Order Code SWT-161	SBT-2PS TiCN Coated Order Code SWT-161
2.00	4.0	48.0	6.0	17g	**-5302A**	-
3.00	4.0	48.0	6.0	18g	**-5303A**	**-5333A**
4.00	6.0	50.0	6.0	19g	**-5304A**	**-5334A**
5.00	7.0	51.0	6.0	20g	**-5305A**	**-5335A**
6.00	7.0	51.0	6.0	20g	**-5306A**	**-5336A**
8.00	9.0	59.0	8.0	40g	**-5308A**	**-5338A**
10.00	10.0	60.0	10.0	63g	**-5310A**	**-5340A**

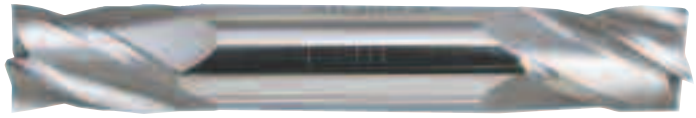
KENNEDY QUALITY INDUSTRIAL TOOLING

Solid Carbide Micrograin Plain Shank End Mills Double Ended

CARBIDE

4 Flute
For maximum strength when milling harder materials where rapid swarf removal is not needed. Four flute milling cutters have one of the strongest tooth structures available in solid cutters. Centre cutting. Manufactured to **ANSI Standards**.





4 Flute - Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code KEN-161
2.00	4.0	38.0	3.0	10g	**-8040K**
3.00	6.0	38.0	3.0	10g	**-8060K**
4.00	8.0	50.0	4.0	15g	**-8080K**
5.00	10.0	63.0	5.0	20g	**-8100K**
6.00	12.0	63.0	6.0	30g	**-8120K**
7.00	12.0	63.0	8.0	45g	**-8140K**
8.00	12.0	63.0	8.0	50g	**-8160K**
10.00	14.0	75.0	10.0	80g	**-8200K**
12.00	16.0	75.0	12.0	120g	**-8240K**

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KENNEDY QUALITY INDUSTRIAL TOOLING

Carbide Micrograin Plain Shank Slot Drills Ball Nosed

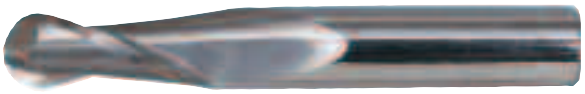
2 Flute
For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards**.

Tolerances		
Diameter Metric	**Tolerance** +	-
Over 1.00 ~ up to 6.00	0.000	0.050
Over 6.00 ~ up to 25.00	0.000	0.080

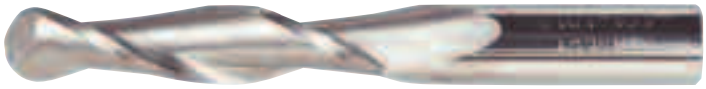
CARBIDE



Regular Series - 2 Flute



Long Series - 2 Flute



Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
2.00	6.0	38.0	3.0	10g	**-1040K**
3.00	7.0	57.0	6.0	10g	**-1060K**
4.00	8.0	57.0	6.0	15g	**-1080K**
5.00	10.0	57.0	6.0	25g	**-1100K**
6.00	10.0	57.0	6.0	25g	**-1120K**
7.00	19.0	63.0	8.0	45g	**-1140K**
8.00	16.0	63.0	8.0	55g	**-1160K**
10.00	19.0	75.0	10.0	90g	**-1200K**
12.00	22.0	83.0	12.0	120g	**-1240K**
16.00	26.0	92.0	16.0	250g	**-1320K**
20.00	32.0	104.0	20.0	420g	**-1400K**

Long Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Order Code **KEN-161**
3.00	30.0	75.0	3.0	**-1930K**
4.00	30.0	75.0	4.0	**-1940K**
5.00	40.0	100.0	5.0	**-1950K**
6.00	50.0	150.0	6.0	**-1960K**
8.00	50.0	150.0	8.0	**-1980K**
10.00	60.0	150.0	10.0	**-1990K**
12.00	50.0	150.0	15.0	**-2000K**

3 Flute
Offer a combination of advantages achieved with two and four flutes giving profile and peripheral milling capability in addition to slotting and plunging. Chatter is also significantly reduced.
Centre cutting as standard. Manufactured to **ANSI Standards**.

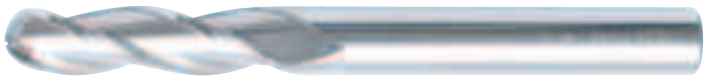
CARBIDE



Regular Series - 3 Flute



Long Series - 3 Flute



Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
2.00	6.0	38.0	3.0	15g	**-4040K**
3.00	10.0	38.0	3.0	15g	**-4060K**
4.00	14.0	50.0	4.0	20g	**-4080K**
5.00	16.0	50.0	6.0	30g	**-4100K**
6.00	19.0	50.0	6.0	35g	**-4120K**
8.00	20.0	63.0	8.0	40g	**-4160K**
10.00	22.0	75.0	10.0	100g	**-4200K**
12.00	25.0	75.0	12.0	130g	**-4240K**

Long Series - Metric

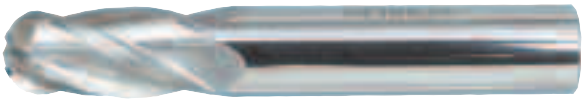
Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
3.00	25.0	75.0	3.0	15g	**-4930K**
4.00	25.0	75.0	4.0	15g	**-4940K**
5.00	25.0	75.0	5.0	30g	**-4950K**
6.00	25.0	75.0	6.0	30g	**-4960K**
8.00	25.0	75.0	8.0	40g	**-4980K**
10.00	38.0	100.0	10.0	100g	**-4990K**
12.00	50.0	100.0	12.0	130g	**-4992K**

4 Flute Four flute milling cutters have one of the strongest tooth structures available in solid cutters.
Centre cutting as standard. Manufactured to **ANSI Standards**.

CARBIDE



Regular Series - 4 Flute



Long Series - 4 Flute



Regular Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
2.0	6.3	38.0	3.0	10g	**-7040K**
3.0	12.0	38.0	3.0	10g	**-7060K**
4.0	14.0	50.0	4.0	15g	**-7080K**
5.0	16.0	50.0	6.0	25g	**-7100K**
6.0	19.0	50.0	6.0	25g	**-7120K**
7.0	19.0	63.0	8.0	45g	**-7140K**
8.0	20.0	63.0	8.0	55g	**-7160K**
10.0	22.0	75.0	10.0	90g	**-7200K**
12.0	25.0	75.0	12.0	120g	**-7240K**

Long Series - Metric

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	Weight each	Order Code **KEN-161**
3.00	25.0	75.0	3.0	15g	**-7930K**
4.00	25.0	75.0	4.0	25g	**-7940K**
5.00	25.0	75.0	5.0	30g	**-7950K**
6.00	25.0	75.0	6.0	30g	**-7960K**
10.00	38.0	100.0	10.0	100g	**-7990K**
12.00	50.0	100.0	12.0	130g	**-7992K**

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SWISS+TECH

HSS-E PM TiALN Cutters Coated

The combination of HSS-E PM and TiALN produces a cutter that is ideally suited to dry and semi dry machining of:

- **Materials up to 45 HRC.**
- **Stainless steels**
- **Aerospace alloys.**

HSS-E PM is a sintered powder metallurgy HSS that combines the toughness associated with HSS-Co and the hardness benefits of carbide.

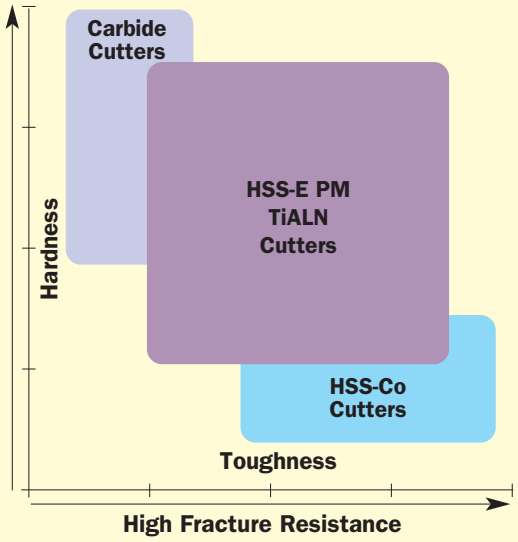
- **Up to 25% higher cutting speed than HSS/HSS-Co. cutters.**
- **Up to 125% higher feed rates.**
- **Up to 100% longer cutter life.**
- **Reduced manufacturing costs.**
- **Improved productivity.**
- **Lower coolant usage and disposal costs.**

TiALN is a a multi-layer coating capable of operating at higher speed and feed.

- **Protects cutting edge under extreme conditions.**
- **Surface hardness 3000HV.**
- **Surface coefficient against steel 0.4.**
- **Thickness of coating 3 - 4µm.**
- **Maximum working temperature 800°C.**
- **Re-coating service also available.**

Toughness & Hardness, the Best of Both . . .

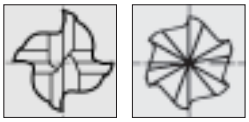
High Wear Resistance - Fast Cutting - Sharper Edges - Improved Finish



Weldon Shank HSS-E PM TiALN Coated 45° High Helix Milling Cutters

Centre cutting.
Weldon shank to **DIN 1835B**.
Cutting diameter to **k10**.
Shank diameter to **h6**.

HSS-E PM **TiALN**





Series 90
Regular Series Dimensions to **DIN 844**

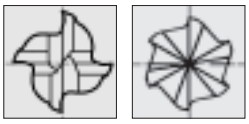
Diameter (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	EHP-4WR PM Coated Order Code SWT-165
6.00	13.0	57.0	6.0	4	**-9006A**
8.00	19.0	69.0	10.0	4	**-9008A**
10.00	22.0	72.0	10.0	4	**-9010A**
12.00	26.0	83.0	12.0	4	**-9012A**
16.00	32.0	93.0	16.0	6	**-9016A**
20.00	38.0	104.0	20.0	6	**-9020A**
25.00	45.0	121.0	25.0	6	**-9025A**(1)

(1) RFP-6WR PM Coated

Weldon Shank HSS-E PM TiALN Coated High Helix Cutters

Centre cutting.
Weldon shank to **DIN 1835B**.
Cutting diameter to **k10**.
Shank diameter to **h6**.

HSS-E PM **TiALN**





Series 92
Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Dia.	No. of Flutes	EHP-4WL PM Coated Order Code SWT-165
6.00	24.0	68.0	6.0	4	**-9206A**
8.00	38.0	78.0	10.0	4	**-9208A**
10.00	45.0	95.0	10.0	4	**-9210A**
12.00	53.0	110.0	12.0	4	**-9212A**
16.00	45.0	100.0	16.0	6	**-9216A**
20.00	58.0	122.0	20.0	6	**-9220A**
25.00	90.0	166.0	25.0	6	**-9225A**(1)

(1) EHP-6WL PM Coated

Weldon Shank HSS-E PM TiALN Coated Fine Pitch Ripper Cutters

Centre cutting. Shank to **DIN 1835B**. Cutting diameter to **js12**. Shank diameter to **h6**.

HSS-E PM **TiALN**





Series 96
Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Number of Flutes	RFP-4WL PM Coated Order Code SWT-165
6.00	24.0	68.0	6.0	4	**-9606A**
8.00	38.0	88.0	10.0	4	**-9608A**
10.00	45.0	95.0	10.0	5	**-9610A**
12.00	53.0	110.0	12.0	5	**-9612A**
16.00	63.0	123.0	16.0	5	**-9616A**
20.00	75.0	141.0	20.0	5	**-9620A**
25.00	90.0	166.0	25.0	6	**-9625A**(1)

(1) RFP-6WL PM Coated

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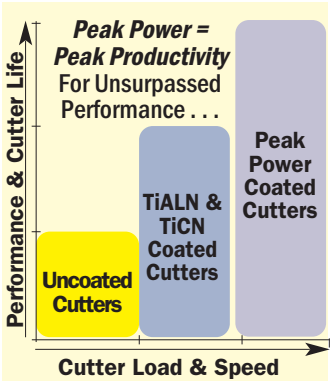
SWISS+TECH Peak Power Coated Cutters

PEAK POWER The latest addition of the Swiss+Tech range. Manufactured from premium High Speed Steel using the latest in Powdered Metallurgy, these cutters will produce a Powerful Milling performance when cutting difficult materials - even at high speeds.

- **Designed to provide strength and rigidity**
- **Excellent geometry gives optimised cutting and minimises vibration at high speeds**
- **The range is further enhanced by the Peak Power coating**
- **Reduced manufacturing costs**
- **Greater wear resistance and hot-hardness than conventional TiALN or TiCN coatings**
- **Suited to dry cutting applications**
- **Higher oxidisation resistance**

This coating results in the tools withstanding the high thermal loads associated with high speed applications.



HSS-E PM Coated 3 Flute End Mills

HSS-E PM

PEAK POWER

Centre cutting.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 93 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Peak Power Coated Order Code SWT-165
2.00	4.0	48.0	6.0	**-9302A**
3.00	5.0	49.0	6.0	**-9303A**
4.00	7.0	51.0	6.0	**-9304A**
5.00	8.0	52.0	6.0	**-9305A**
6.00	8.0	52.0	6.0	**-9306A**
8.00	11.0	61.0	10.0	**-9308A**
10.00	13.0	63.0	10.0	**-9310A**
12.00	16.0	73.0	12.0	**-9312A**
16.00	19.0	79.0	16.0	**-9316A**
20.00	22.0	88.0	20.0	**-9320A**

HSS-E PM Coated 4 Flute End Mills

HSS-E PM

PEAK POWER

Centre cutting.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 95 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Peak Power Coated Order Code SWT-165
3.00	8.0	52.0	6.0	**-9503A**
4.00	11.0	55.0	6.0	**-9504A**
5.00	13.0	57.0	6.0	**-9505A**
6.00	13.0	57.0	6.0	**-9506A**
8.00	19.0	69.0	6.0	**-9508A**
10.00	22.0	72.0	10.0	**-9510A**
12.00	26.0	83.0	12.0	**-9512A**
14.00	26.0	83.0	12.0	**-9514A**
16.00	32.0	92.0	16.0	**-9516A**
20.00	38.0	104.0	20.0	**-9520A**

HSS-E PM Fine Pitch Ripper Cutters

HSS-E PM

PEAK POWER

45° high helix, fine pitch, centre cutting.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 98 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Peak Power Coated Order Code SWT-165
5.00	13.0	57.0	6.0	**-9805A**
6.00	13.0	57.0	6.0	**-9806A**
8.00	19.0	69.0	10.0	**-9808A**
10.00	22.0	72.0	10.0	**-9810A**
12.00	26.0	83.0	12.0	**-9812A**
16.00	32.0	92.0	16.0	**-9816A**

HSS-E PM Coated 2 Flute Slot Drills

HSS-E PM

PEAK POWER

Centre cutting.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 91 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Peak Power Coated Order Code SWT-165
2.00	4.0	47.0	6.0	**-9102A**
3.00	5.0	49.0	6.0	**-9103A**
4.00	7.0	51.0	6.0	**-9104A**
5.00	8.0	52.0	6.0	**-9105A**
6.00	8.0	52.0	6.0	**-9106A**
8.00	11.0	61.0	10.0	**-9108A**
10.00	13.0	63.0	10.0	**-9110A**
12.00	16.0	73.0	12.0	**-9112A**

HSS-E PM Coated Fine Pitch Ripper

HSS-E PM

PEAK POWER

Centre cutting. Weldon shank to **DIN 1835B**. Cutting diameter to **js12**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 94 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	No. of Flutes	Peak Power Coated Order Code SWT-165
6.00	13.0	57.0	6.0	3	**-9406A**
8.00	19.0	69.0	10.0	3	**-9408A**
10.00	22.0	72.0	10.0	4	**-9410A**
12.00	26.0	83.0	12.0	4	**-9412A**
16.00	32.0	94.0	16.0	4	**-9416A**
20.00	38.0	104.0	20.0	4	**-9420A**
25.00	45.0	121.0	25.0	5	**-9425A**

HSS-E PM Coated 2 Flute Ball Nosed Slot Drills

HSS-E PM

PEAK POWER

Centre cutting.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 97 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Peak Power Coated Order Code SWT-165
3.00	5.0	49.0	6.0	**-9703A**
4.00	7.0	51.0	6.0	**-9704A**
5.00	8.0	52.0	6.0	**-9705A**
6.00	8.0	52.0	6.0	**-9706A**
8.00	11.0	61.0	10.0	**-9708A**
10.00	13.0	63.0	10.0	**-9710A**
12.00	16.0	73.0	12.0	**-9712A**

HSS-E PM Coated Coarse Pitch Ripper Cutters

HSS-E PM

PEAK POWER

Centre cutting.
Weldon shank to **DIN 1835B.**
Shank diameter to **h6**.
Dimensions to **DIN 844**.



Series 99 Regular

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	No. of Flutes	Peak Power Coated Order Code SWT-165
8.00	19.0	69.0	10.0	3	**-9908A**
10.00	22.0	72.0	10.0	4	**-9910A**
12.00	26.0	83.0	12.0	4	**-9912A**
16.00	32.0	92.0	16.0	4	**-9916A**
20.00	38.0	104.0	20.0	4	**-9920A**

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HSS-E PM 2 Flute Slot Drill Peak Power Set

HSS-E PM
PEAK POWER

Weldon Shank - 7 Piece Set
Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.

Contents: 3, 4, 5, 6, 8, 10 and 12mm.



7 PIECES

Series 91

Number of Pieces	Contents	Order Code SWT-165
7	3, 4, 5, 6, 8, 10, & 12mm	-9150A

HSS-E PM High Helix Fine Pitch Ripper Peak Power Set

HSS-E PM
PEAK POWER

Weldon Shank - 6 Piece Set
Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.

Contents: 5, 6, 8, 10, 12 and 16mm.



5 PIECES

Series 98

Number of Pieces	Contents	Order Code SWT-165
6	5, 6, 8, 10, 12 and 16mm	-9850A

HSS-E PM 2 Flute Ball Nose Slot Drill Peak Power Set

HSS-E PM
PEAK POWER

Weldon Shank - 7 Piece Set
Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.

Contents: 3, 4, 5, 6, 8, 10 and 12mm.



7 PIECES

Series 97

Number of Pieces	Contents	Order Code SWT-165
7	3, 4, 5, 6, 8, 10 & 12mm	-9750A

HSS-E PM Coarse Pitch Ripper Peak Power Set

HSS-E PM
PEAK POWER

Weldon Shank - 5 Piece Set
Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B**.
Shank diameter to **h6**.
Dimensions to **DIN 844**.

Contents: 8, 10, 12, 16 and 20mm.



5 PIECES

Series 99

Number of Pieces	Contents	Order Code SWT-165
5	8, 10, 12, 16 & 20mm	-9950A

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Carbide Q-Coat Cutters Coated

Q-Coat has been specifically developed to give carbide cutters the 'edge' when faced with severe machining conditions.

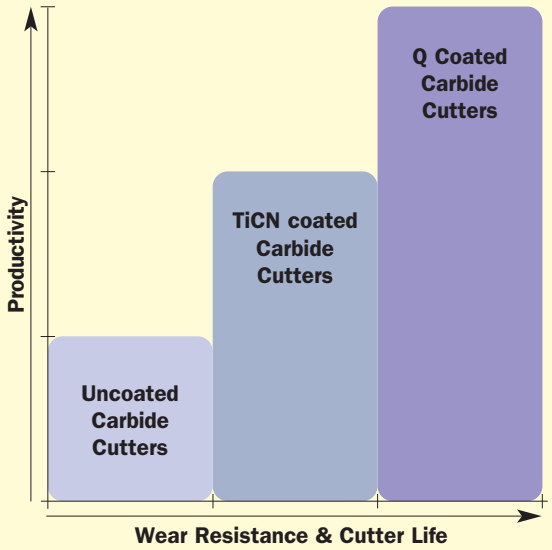
- **Materials up to 66HRC.**
- **Dry Cutting.**
- **Die and Mould Machining**
- **Improved Productivity.**
- **Reduced coolant usage and disposal.**
- **Up to 100% longer cutter life.**
- **Reduced manufacturing costs.**

A multi-layer coating capable of operating at higher speed and feed.

- **Excellent oxidisation resistance.**
- **High speed machining.**
- **Surface hardness 3300HV.**
- **Surface coefficient against steel 0.25.**
- **Thickness of coating 3 - 5µm.**
- **Maximum working temperature 850°C.**
- **Re-coating service also available.**

A Step Beyond Carbide . . .

For Extreme Conditions - High Cutting Speeds



Carbide Plain Shank Slot Drills 2 Flute

CARBIDE **Q-Coat**

Centre cutting.
To **Manufacturers Standards**.
Cutting diameter to **h10**.
Shank diameter to **h6**.
SDQ-2PS Carbide Q-Coat.





Series 60 Short Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	SDQ-2PS Carbide Q-Coat Order Code SWT-165
1.00	2.5	45.0	4.0	**-6001A**
2.00	6.0	45.0	4.0	**-6002A**
3.00	8.0	45.0	6.0	**-6003A**
4.00	11.0	45.0	6.0	**-6004A**
5.00	13.0	50.0	6.0	**-6005A**
6.00	13.0	50.0	6.0	**-6006A**
7.00	16.0	60.0	8.0	**-6007A**
8.00	19.0	60.0	8.0	**-6008A**
9.00	19.0	70.0	8.0	**-6009A**
10.00	22.0	70.0	10.0	**-6010A**
12.00	26.0	75.0	12.0	**-6012A**
16.00	32.0	100.0	16.0	**-6016A**

Carbide Plain Shank End Mills 4 Flute

CARBIDE **Q-Coat**

Centre cutting.
To **Manufacturers Standards**. Cutting diameter to **h10**.
Shank diameter to **h6**.
EMQ-4PS/L Carbide Q-Coat.





Series 66 Short Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	EMQ-4PS Carbide Q-Coat Order Code SWT-165
2.00	6.0	40.0	4.0	**-6602A**
3.00	8.0	45.0	6.0	**-6603A**
4.00	11.0	45.0	6.0	**-6604A**
5.00	13.0	50.0	6.0	**-6605A**
6.00	13.0	50.0	6.0	**-6606A**
7.00	16.0	60.0	8.0	**-6607A**
8.00	19.0	60.0	8.0	**-6608A**
9.00	19.0	70.0	10.0	**-6609A**
10.00	22.0	70.0	10.0	**-6610A**
11.00	22.0	75.0	12.0	**-6611A**
12.00	26.0	75.0	12.0	**-6612A**
14.00	26.0	85.0	14.0	**-6614A**
16.00	32.0	100.0	16.0	**-6616A**
18.00	32.0	100.0	18.0	**-6618A**
20.00	38.0	105.0	20.0	**-6620A**

Carbide Plain Shank Slot Drills 2 Flute

CARBIDE **Q-Coat**

Centre cutting. To **Manufacturers Standards**.
Cutting diameter to **h10**. Shank diameter to **h6**.
SDQ-2PS Carbide Q-Coat.





Series 62 Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	SDQ-2PL Carbide Q-Coat Order Code SWT-165
3.00	12.0	50.0	6.0	**-6203A**
4.00	15.0	50.0	6.0	**-6204A**
6.00	20.0	60.0	6.0	**-6206A**
8.00	25.0	70.0	8.0	**-6208A**
10.00	30.0	90.0	10.0	**-6210A**
12.00	30.0	90.0	12.0	**-6212A**
16.00	50.0	110.0	16.0	**-6216A**
20.00	55.0	110.0	20.0	**-6220A**

Carbide Plain Shank End Mills 4 Flute

CARBIDE **Q-Coat**

Centre cutting. To **Manufacturers Standards**.
Cutting diameter to **h10**. Shank diameter to **h6**.
EMQ-4PS/L Carbide Q-Coat.





Series 68 Long Series Dimensions to **DIN 844**

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	EMQ-4PL Carbide Q-Coat Order Code SWT-165
3.00	12.0	50.0	6.0	**-6803A**
4.00	15.0	50.0	6.0	**-6804A**
5.00	20.0	60.0	6.0	**-6805A**
6.00	20.0	60.0	6.0	**-6806A**
8.00	25.0	70.0	8.0	**-6808A**
10.00	30.0	90.0	10.0	**-6810A**
12.00	30.0	90.0	12.0	**-6812A**
16.00	50.0	110.0	16.0	**-6816A**

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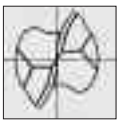
Carbide Plain Shank Slot Drills 2 Flute Ball Nose

CARBIDE Q-Coat

Centre cutting.
To **Manufacturers Standards**.
Cutting diameter to **e8**.
Shank diameter to **h6**.
Carbide Q-Coat.





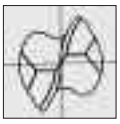
Series 73 Long Reach

Dia. (mm)	Shank Dia	Length of Cut	Length Below Shank	Overall Length	Neck Dia.	Carbide Q-Coat Order Code SWT-165
0.60	4.0	0.9	6.0	35.0	0.55	**-7302A**
1.50	4.0	2.3	20.0	55.0	1.39	**-7310A**
2.00	4.0	3.0	16.0	50.0	1.91	**-7318A**
2.00	4.0	3.0	20.0	55.0	1.89	**-7320A**

Carbide Plain Shank Slot Drills Ball Nosed 2 Flute

CARBIDE Q-Coat

Centre cutting.
To **Manufacturers Standards**.
Cutting diameter to **e8**.
Shank diameter to **h6**.
SBQ-2PR Carbide Q-Coat.





Series 78 Regular Length

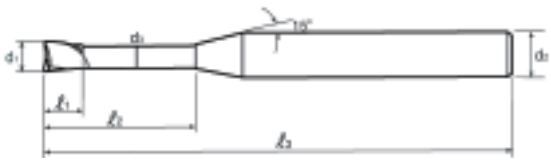
Diameter (mm)	Flute Length	Overall Length	Shank Diameter	SBQ-2PR Carbide Q-Coat Order Code SWT-165
2.00	5.0	50.0	6.0	**-7802A**
2.50	6.0	60.0	6.0	**-7802L**
3.00	8.0	60.0	6.0	**-7803A**
4.00	8.0	70.0	6.0	**-7804A**
5.00	10.0	80.0	6.0	**-7805A**
6.00	12.0	90.0	6.0	**-7806A**
8.00	14.0	100.0	8.0	**-7808A**
10.00	18.0	100.0	10.0	**-7810A**
12.00	22.0	110.0	12.0	**-7812A**

Carbide Plain Shank Slot Drills 2 Flute

CARBIDE Q-Coat

Centre cutting.
To **Manufacturers Standards**.
Cutting diameter to **h10**.
Shank diameter to **h6**.
Carbide Q-Coat.







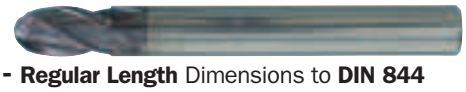
Series 74 Long Reach

Dia. (mm) (d1)	Shank Dia. (d2)	Length of Cut (l1)	Length Below Shk(l2)	Overall Length (l3)	Neck Dia. (d3)	Carbide Q-Coat Order Code SWT-165
0.50	4.0	0.7	6.0	45.0	0.45	**-7402A**
0.60	4.0	0.9	4.0	45.0	0.55	**-7404A**
0.80	4.0	1.2	4.0	45.0	0.75	**-7408A**
1.00	4.0	1.5	8.0	45.0	0.95	**-7412A**
1.00	4.0	1.5	10.0	45.0	0.95	**-7414A**
1.20	4.0	1.8	12.0	45.0	1.13	**-7416A**
1.50	4.0	2.3	16.0	50.0	1.41	**-7418A**
2.00	4.0	3.0	14.0	50.0	1.93	**-7420A**
2.00	4.0	3.0	20.0	55.0	1.89	**-7422A**

Carbide Plain Shank End Mills Ball Nosed 4 Flute

CARBIDE Q-Coat

Centre cutting.
To **Manufacturers Standards**.
Cutting diameter to **e8**. Shank diameter to **h6**.
EBQ-4PR Carbide Q-Coat.





Series 80 - Regular Length Dimensions to DIN 844

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	EBQ-4PR Q-Coat Order Code SWT-165
4.00	8.0	70.0	6.0	**-8004A**
5.00	10.0	80.0	6.0	**-8005A**
6.00	12.0	90.0	6.0	**-8006A**
8.00	14.0	100.0	8.0	**-8008A**
10.00	18.0	100.0	10.0	**-8010A**
12.00	22.0	110.0	12.0	**-8012A**

Carbide Plain Shank Corner Radius End Mills 4 Flute

CARBIDE Q-Coat

Centre cutting. To **Manufacturers Standards**.
Cutting diameter to **e8**. Shank diameter to **h6**.
ECQ-4PR Carbide Q-Coat.





Series 86 - Regular Length

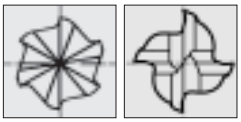
Diameter x Corner Radius (mm)	Flute Length	Overall Length	Shank Diameter	ECQ-4PR Q-Coat Order Code SWT-165
6.00 x 0.5	20.0	60.0	6.0	**-8604K**
6.00 x 1.0	20.0	60.0	6.0	**-8605K**
8.00 x 0.5	25.0	70.0	8.0	**-8606K**
8.00 x 1.0	25.0	70.0	8.0	**-8607K**
8.00 x 1.5	25.0	70.0	8.0	**-8608K**
8.00 x 2.0	25.0	70.0	8.0	**-8609K**
10.00 x 0.5	30.0	90.0	10.0	**-8610K**
10.00 x 1.0	30.0	90.0	10.0	**-8611K**
10.00 x 1.5	30.0	90.0	10.0	**-8612K**
10.00 x 2.0	30.0	90.0	10.0	**-8613K**
12.00 x 0.5	30.0	90.0	12.0	**-8614K**
12.00 x 1.0	30.0	90.0	12.0	**-8615K**
12.00 x 1.5	30.0	90.0	12.0	**-8616K**

Carbide Plain Shank End Mills High Helix

Q-Coat CARBIDE

Centre cutting. To **Manufacturers Standards**.
Cutting diameter to **e8**. Shank diameter to **h6**.
EHQ-6*PR Carbide Q-Coat.

*Number varies according to the number of flutes.





Series 72 Regular Length

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	No. of Flutes	EHQ-6PR Carbide Q-Coat Order Code SWT-165
3.00	8.0	57.0	6.0	4.0	**-7203A**
4.00	11.0	57.0	6.0	4.0	**-7204A**
6.00	13.0	57.0	6.0	6.0	**-7206A**
8.00	19.0	63.0	8.0	6.0	**-7208A**
10.00	22.0	72.0	10.0	6.0	**-7210A**
12.00	26.0	83.0	12.0	6.0	**-7212A**
16.00	32.0	92.0	16.0	6.0	**-7216A**
20.00	38.0	104.0	20.0	8.0	**-7220A**

Carbide Plain Shank Ripper Fine Pitch

Q-Coat CARBIDE

Centre cutting. To **Manufacturers Standards**.
Cutting diameter to **e8**. Shank diameter to **h6**.
RFQ-3*PR Carbide Q-Coat.

*Number varies according to the number of flutes.





Series 82 - Regular Length Dimensions to DIN 844

Diameter (mm)	Flute Length	Overall Length	Shank Diameter	Number of Flutes	RFQ-3PR Q-Coat Order Code SWT-165
6.00	16.0	57.0	6.0	3.0	**-8206A**
8.00	16.0	63.0	8.0	3.0	**-8208A**
10.00	22.0	72.0	10.0	4.0	**-8210A**
12.00	26.0	83.0	12.0	4.0	**-8212A**
16.00	32.0	92.0	16.0	4.0	**-8216A**
20.00	38.0	104.0	20.0	4.0	**-8220A**

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KENNEDY QUALITY INDUSTRIAL TOOLING

HSS-Co 5% KC3 3* Flute Throwaway Milling Cutters

Suitable for slot drilling and end milling. Cutters are held in adaptors/chucks by the action of a set screw which locates on the shank flat giving quick and easy cutter change.

*Except: 1mm cutters, 2mm and 1/16" ball nose cutters all of which have two flutes.

Tolerances					
Diameter Metric	Tolerance +	-	Diameter Inch	Tolerance +	-
Over 1.00 ~ up to 3.00	0.013	0.033	Over 1/16" ~ up to 1/4"	0.0005	0.0013
Over 3.00 ~ up to 6.00	0.020	0.020			

Short Series

HSS-Co 5%



Shank Diameter: 1.00 ~ 6.00 = 6.00mm, 7.00 ~ 10.00 = 10.00mm

Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.00	2.0	24.5	8.5	10g	-0010K
1.50	2.5	24.5	8.5	10g	-0020K
2.00	3.0	25.5	9.5	10g	-0040K
2.50	4.0	26.0	10.5	10g	-0060K
3.00	4.5	28.0	11.0	10g	-0080K
3.50	5.5	30.0	12.0	10g	-0100K
4.00	6.5	32.5	12.5	10g	-0120K
5.00	7.5	36.0	13.5	10g	-0160K
5.50	7.5	36.0	13.5	10g	-0190K
6.00	9.5	36.0	15.0	10g	-0200K
8.00	11.0	47.5	19.7	30g	-0240K
10.00	13.0	51.5	20.5	35g	-0280K

Long Series

HSS-Co 5%



Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.50	4.0	28.0	10.0	10g	-1020K
2.00	4.5	29.0	11.0	10g	-1040K
2.50	6.5	32.0	12.5	10g	-1060K
3.00	7.5	34.0	14.5	10g	-1080K
3.50	8.5	36.5	15.0	10g	-1100K
4.00	9.5	39.0	16.0	10g	-1120K
4.50	11.0	42.0	17.5	10g	-1140K
5.00	12.5	44.5	17.5	10g	-1160K
5.50	14.5	46.0	19.0	10g	-1180K
6.00	16.0	44.5	20.5	10g	-1200K
8.00	19.0	55.5	27.9	30g	-1240K
10.00	22.5	61.5	31.6	40g	-1280K

HSS-Co 5% TiN KC3 Coated Throwaway Milling Cutters

TiN-Coated to allow elevated cutting speeds and help to extend tool life.

HSS-Co 5% TiN

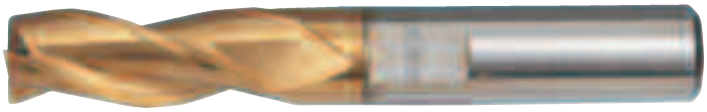
Short Series



Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.00	2.0	24.5	8.5	10g	-3010K
1.50	2.5	24.5	8.5	10g	-3020K
2.00	3.0	25.5	9.5	10g	-3040K
2.50	4.0	26.0	10.5	10g	-3060K
3.00	4.5	28.0	11.0	10g	-3080K
3.50	5.5	30.0	12.0	10g	-3100K
4.00	6.5	32.5	12.5	10g	-3120K
5.00	7.5	36.0	13.5	10g	-3160K
6.00	9.5	36.0	15.0	10g	-3200K

Long Series

HSS-Co 5% TiN

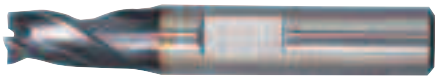


Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.50	4.0	28.0	10.0	10g	-4020K
2.00	4.5	29.0	11.0	10g	-4040K
2.50	6.5	32.0	12.5	10g	-4060K
3.00	7.5	34.0	14.5	10g	-4080K
4.00	9.5	39.0	16.0	10g	-4120K
4.50	11.0	42.0	17.5	10g	-4140K
5.00	12.5	44.5	17.5	10g	-4160K
5.50	14.5	46.0	19.0	10g	-4180K
6.00	16.0	44.5	20.5	10g	-4200K

HSS-Co 5% TiCN-Coated Throwaway Milling Cutters

HSS-Co 5% TiCN

With a micro hardness of 3000HV and a maximum working temperature of 400°C, giving them a better resistance to abrasive wear than TiN coated cutters.



Short Series

Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.00	2.0	24.5	8.5	10g	-5010K
1.50	2.5	24.5	8.5	10g	-5020K
2.00	3.0	25.5	9.5	10g	-5040K
2.50	4.0	26.0	10.5	10g	-5060K
3.00	4.5	28.0	11.0	10g	-5080K
3.50	5.5	30.0	12.0	10g	-5100K
4.00	6.5	32.5	12.5	10g	-5120K
5.00	7.5	36.0	13.5	10g	-5160K
6.00	9.5	36.0	15.0	10g	-5200K

Long Series

HSS-Co 5% TiCN



Diameter (mm)	Flute Length	Overall Length	Chuck Clearance	Weight each	Order Code KEN-062
1.50	4.0	28.0	10.0	10g	-6020K
2.00	4.5	29.0	11.0	10g	-6040K
2.50	6.5	32.0	12.5	10g	-6060K
3.00	7.5	34.0	14.5	10g	-6080K
4.00	9.5	39.0	16.0	10g	-6120K
4.50	11.0	42.0	17.5	10g	-6140K
5.00	12.5	44.5	17.5	10g	-6160K
5.50	14.5	46.0	19.0	10g	-6180K
6.00	16.0	44.5	20.5	10g	-6200K

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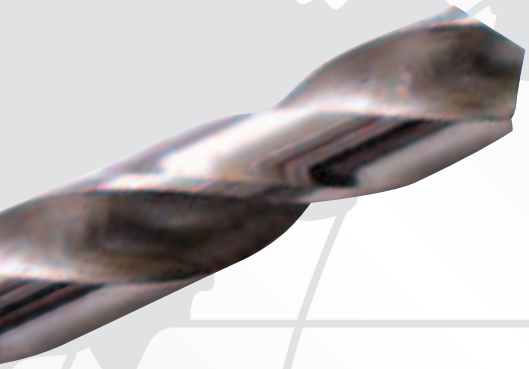
SHERWOOD
QUALITY CUTTING TOOLS

THE COMPLETE RANGE OF HSS TOOLING

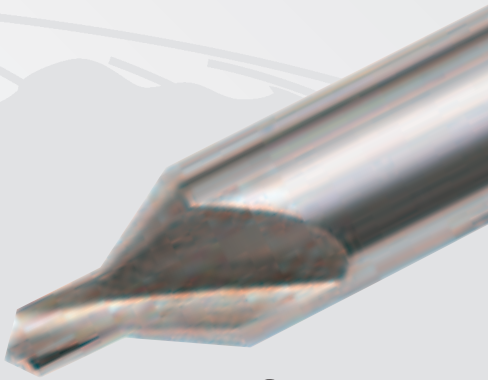
Straight & Taper Shank Drills







Centre Drills



Countersinks & Counterbores



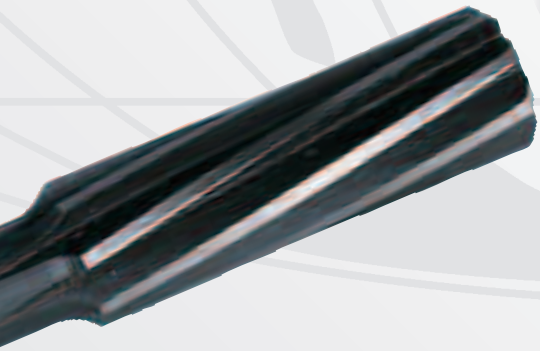




Shank & Bore Milling Cutters



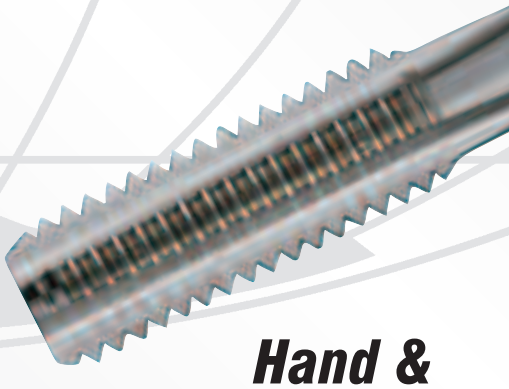
Hand & Machine Reamers







Hand & Machine Taps



Full Range of Sizes and Sets - Massive Stocks Available!

mm, inch, DIN, ISO, UN, BS, and ANSI Standards

SHERWOOD QUALITY CUTTING TOOLS — Straight Shank Machine Reamers

Left hand spiral flute, right hand cutting.
Manufactured to **BS 328-4**.

Diameter Metric	Tolerance High +	Low -
up to 3.00	0.008	0.004
Over 3.00 ~ up to 6.00	0.010	0.005
Over 6.00 ~ up to 10.00	0.012	0.006
Over 10.00 ~ up to 18.00	0.015	0.008

HSS



Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
1.50	21.0	44.0	3g	**-2219X**
2.00	25.0	50.0	3g	**-2220A**
2.50	29.0	58.0	3g	**-2221B**
3.00	31.0	62.0	3g	**-2222C**
3.50	33.0	66.0	4g	**-2223D**
4.00	38.0	76.0	5g	**-2224E**
4.50	41.0	81.0	6g	**-2225F**
5.00	44.0	87.0	8g	**-2226G**
5.50	47.0	93.0	12g	**-2227H**
6.00	47.0	93.0	18g	**-2228J**

Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
7.00	54.0	107.0	17g	**-2229K**
8.00	58.0	115.0	20g	**-2230L**
9.00	62.0	124.0	31g	**-2231M**
10.00	66.0	133.0	55g	**-2232N**
11.00	71.0	142.0	69g	**-2232R**
12.00	76.0	152.0	87g	**-2233P**
13.00	78.0	152.0	97g	**-2234Q**
14.00	81.0	163.0	184g	**-2235R**
16.00	87.0	175.0	235g	**-2236S**

Cobalt Straight Shank Chucking Reamers

Manufactured to **DIN 212**.

Tolerances (to H7) Diameter Metric	Tolerance +	-
up to 5.50	0.004	0.000
Over 5.50	0.005	0.000

HSS-E



Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
2.00	11.0	49.0	3g	**-2655K**
2.50	14.0	57.0	4g	**-2657M**
3.00	15.0	61.0	5g	**-2659P**
3.50	18.0	70.0	8g	**-2661R**
4.00	19.0	75.0	9g	**-2662S**
4.50	21.0	80.0	12g	**-2663T**
5.00	23.0	86.0	14g	**-2664V**
5.50	26.0	93.0	21g	**-2665G**
6.00	26.0	93.0	25g	**-2665W**
7.00	31.0	109.0	31g	**-2666X**
8.00	33.0	117.0	41g	**-2667Y**

Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
9.00	36.0	125.0	56g	**-2668Z**
10.00	38.0	133.0	73g	**-2669A**
11.00	41.0	142.0	84g	**-2670B**
12.00	44.0	151.0	90g	**-2671C**
13.00	44.0	151.0	96g	**-2672D**
14.00	47.0	160.0	101g	**-2673E**
15.00	50.0	162.0	111g	**-2674F**
16.00	52.0	170.0	117g	**-2675G**
18.00	56.0	182.0	227g	**-2677J**
20.00	60.0	195.0	450g	**-2679L**

Straight Shank Parallel Hand Reamers

Used to produce a close tolerance surface finish by hand in almost any environment i.e. on site or in a workshop.
Manufactured to **BS 328-4 and DIN 206B**.

Diameter Metric	Tolerance +	-
up to 3.00	0.008	0.007
Over 3.00 ~ up to 6.00	0.010	0.005
Over 6.00 ~ up to 10.00	0.012	0.006
Over 10.00 ~ up to 18.00	0.015	0.008
Over 18.00 ~ up to 30.00	0.017	0.009
Over 30.00 ~ up to 50.00	0.021	0.012

HSS



Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
1.50	20.0	41.0	2g	**-2100A**
2.00	25.0	50.0	3g	**-2103D**
2.50	29.0	58.0	4g	**-2105F**
3.00	31.0	62.0	5g	**-2107H**
3.50	35.0	71.0	6g	**-2109K**
4.00	38.0	76.0	7g	**-2110L**
4.50	41.0	81.0	8g	**-2111M**
5.00	44.0	87.0	10g	**-2112N**
5.50	47.0	93.0	13g	**-2113P**
6.00	47.0	93.0	19g	**-2114Q**
6.50	50.0	100.0	23g	**-2115R**
7.00	54.0	107.0	26g	**-2116S**
7.50	54.0	107.0	30g	**-2117T**
8.00	58.0	115.0	38g	**-2118V**
8.50	58.0	115.0	43g	**-2119W**
9.00	62.0	124.0	56g	**-2120X**
9.50	62.0	124.0	59g	**-2121Y**
10.00	66.0	133.0	69g	**-2122Z**
10.50	66.0	133.0	78g	**-2124A**

Diameter (mm)	Flute Length	Overall Length	Weight each	Order Code SHR-065
11.00	71.0	142.0	91g	**-2125B**
11.50	71.0	142.0	100g	**-2126C**
12.00	76.0	152.0	114g	**-2127D**
12.50	76.0	152.0	121g	**-2128E**
13.00	76.0	152.0	133g	**-2129F**
13.50	81.0	163.0	163g	**-2130G**
14.00	81.0	163.0	163g	**-2131H**
14.50	90.0	162.0	190g	**-2132J**
15.00	81.0	163.0	187g	**-2133K**
16.00	87.0	175.0	237g	**-2134L**
17.00	87.0	175.0	269g	**-2135M**
18.00	93.0	188.0	319g	**-2136N**
19.00	93.0	188.0	336g	**-2137P**
20.00	100.0	201.0	348g	**-2138Q**
22.00	107.0	215.0	500g	**-2140S**
24.00	115.0	231.0	729g	**-2142V**
25.00	115.0	231.0	785g	**-2143W**
30.00	124.0	247.0	1200g	**-2148B**
40.00	152.0	305.0	2500g	**-2158M**

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Taper Shank Machine Reamers

Used to produce a close tolerance surface finish by enlarging pre-drilled holes to a finished size. 45° bevelled lead.
Manufactured to **BS 328-4**.

Tolerances (to H7) Diameter Metric	Tolerance +	-
up to 3.00	0.008	0.004
Over 3.00 ~ up to 6.00	0.010	0.005
Over 6.00 ~ up to 10.00	0.012	0.006
Over 10.00 ~ up to 18.00	0.015	0.008
Over 18.00 ~ up to 30.00	0.017	0.009
Over 30.00 ~ up to 50.00	0.021	0.012
Over 50.00 ~ up to 80.00	0.025	0.014
Over 80.00 ~ up to 120.00	0.029	0.016



Diameter (mm)	Flute Length	Overall Length	Morse Taper	Weight each	Order Code SHR-065
3.00	33.0	112.0	1	52g	**-2350A**
3.50	35.0	115.0	1	52g	**-2351B**
4.00	38.0	117.0	1	52g	**-2352C**
4.50	41.0	120.0	1	55g	**-2353D**
5.00	44.0	124.0	1	56g	**-2354E**
5.50	47.0	127.0	1	56g	**-2355F**
6.00	47.0	127.0	1	58g	**-2356G**
6.50	50.0	130.0	1	59g	**-2357H**
7.00	54.0	134.0	1	64g	**-2358J**
7.50	54.0	134.0	1	66g	**-2359K**
8.00	58.0	138.0	1	67g	**-2360L**
8.50	58.0	138.0	1	70g	**-2361M**
9.00	62.0	142.0	1	72g	**-2362N**
9.50	62.0	142.0	1	76g	**-2363P**
10.00	66.0	144.0	1	79g	**-2364Q**
10.50	66.0	144.0	1	81g	**-2365R**
11.00	71.0	151.0	1	88g	**-2366S**
11.50	71.0	151.0	1	96g	**-2367T**
12.00	76.0	156.0	1	108g	**-2368V**
12.50	76.0	156.0	1	111g	**-2369W**
13.00	76.0	156.0	1	122g	**-2370X**
13.50	81.0	161.0	1	130g	**-2371Y**
14.00	81.0	163.0	1	126g	**-2372Z**
14.50	81.0	181.0	2	200g	**-2374A**
15.00	81.0	181.0	2	230g	**-2375B**
15.50	87.0	187.0	2	245g	**-2376C**

Diameter (mm)	Flute Length	Overall Length	Morse Taper	Weight each	Order Code SHR-065
16.00	87.0	187.0	2	262g	**-2377D**
16.50	87.0	187.0	2	270g	**-2378E**
17.00	87.0	187.0	2	273g	**-2379F**
17.50	93.0	193.0	2	292g	**-2379R**
18.00	93.0	193.0	2	305g	**-2380G**
18.50	93.0	193.0	2	317g	**-2380S**
19.00	93.0	193.0	2	323g	**-2381H**
19.50	100.0	200.0	2	324g	**-2381T**
20.00	100.0	200.0	2	350g	**-2382J**
21.00	100.0	200.0	2	365g	**-2383K**
22.00	107.0	207.0	2	419g	**-2384L**
23.00	107.0	207.0	2	467g	**-2385M**
24.00	115.0	242.0	3	686g	**-2386N**
25.00	115.0	242.0	3	740g	**-2387P**
26.00	115.0	242.0	3	747g	**-2388Q**
27.00	124.0	251.0	3	901g	**-2389R**
28.00	124.0	251.0	3	884g	**-2390S**
30.00	124.0	251.0	3	990g	**-2392V**
32.00	133.0	293.0	4	1510g	**-2394X**
33.00	133.0	293.0	4	1615g	**-2395Y**
34.00	142.0	302.0	4	1726g	**-2396Z**
35.00	142.0	302.0	4	1751g	**-2398A**
38.00	152.0	312.0	4	2039g	**-2401D**
40.00	152.0	312.0	4	2250g	**-2403F**
45.00	163.0	323.0	4	2900g	**-2408L**
50.00	174.0	334.0	4	3630g	**-2413R**

Taper Shank Extra Length Machine Reamers

HSS

Used to produce a close tolerance surface finish in drilled holes to allow the fitting of hardened and ground taper pins in the building of jigs, fixtures and dies.
Manufactured to **BS 328-4**.



Diameter (mm)	Flute Length	Overall Length	Morse Taper	Weight each	Order Code SHR-064
6.00	124.0	203.0	1	80g	**-2500A**
8.00	124.0	203.0	1	103g	**-2502C**
10.00	124.0	203.0	1	114g	**-2504E**
10.00	175.0	254.0	1	129g	**-2505F**
12.00	124.0	203.0	1	132g	**-2507H**

Diameter (mm)	Flute Length	Overall Length	Morse Taper	Weight each	Order Code SHR-064
12.00	175.0	254.0	1	188g	**-2508J**
12.00	225.0	305.0	1	228g	**-2509K**
16.00	154.0	254.0	2	361g	**-2510L**
16.00	205.0	305.0	2	411g	**-2511M**

Straight Shank Hand Taper Pin Reamers

HSS

Used to produce a close tolerance surface finish in taper holes to allow the fitting of hardened and ground taper pins in the building of jigs, fixtures and dies.
Manufactured to **BS 328-4 and DIN 9A**.

Tolerances Diameter Metric	Tolerance +	-
Over 1.50 ~ up to 5.00	0.075	0.000
Over 5.00 ~ up to 20.00	0.125	0.000



Diameter (mm)	Dia. Range min	Dia. Range max	Flute Length	Overall Length	Weight each	Order Code SHR-065
1.50	1.4	2.40	37	57	4g	**-2800A**
2.00	1.9	2.86	48	68	4g	**-2801B**
2.50	2.4	3.36	48	68	5g	**-2802C**
3.00	2.9	4.06	58	80	7g	**-2803D**
4.00	3.9	5.26	38	93	9g	**-2804E**
5.00	4.9	6.36	73	100	48g	**-2805F**
6.00	5.9	8.00	105	135	38g	**-2806G**

Diameter (mm)	Dia. Range min	Dia. Range max	Flute Length	Overall Length	Weight each	Order Code SHR-065
8.00	7.9	10.80	145	180	39g	**-2807H**
10.00	9.9	13.40	175	215	89g	**-2808J**
12.00	11.8	16.00	210	255	145g	**-2809K**
13.00	12.8	16.74	210	255	295g	**-2810L**
14.00	13.8	17.74	210	255	355g	**-2811M**
16.00	15.8	20.40	230	280	475g	**-2812N**
20.00	19.8	24.80	250	310	814g	**-2813P**

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SHERWOOD QUALITY CUTTING TOOLS — HSS Slitting Saws Fine/Coarse

HSS

High speed steel slitting saws are hollow ground to give the clearance necessary for deep cutting.
Available in coarse and fine teeth, number of teeth specified below. Supplied with keyways as standard. Manufactured to **BS122**.

Metric



Diameter (mm)	Thickness	Bore	Teeth	Order Code SHR-072
25.00	0.50	8.0	64	**-6025A**
25.00	1.00	8.0	48	**-6028D**
25.00	1.60	8.0	40	**-6030F**
32.00	0.60	8.0	64	**-6045Y**
40.00	1.00	10.0	64	**-6067X**
40.00	1.60	10.0	64	**-6069Z**
50.00	2.00	13.0	64	**-6098E**
63.00	0.40	16.0	128	**-6112V**
63.00	1.00	16.0	100	**-6121D**
80.00	1.00	22.0	100	**-6149K**
80.00	2.00	22.0	80	**-6155R**
80.00	3.00	22.0	80	**-6159W**
100.00	1.00	22.0	128	**-6176N**

Inch



Diameter (Inch)	Thickness	Bore	Teeth	Order Code SHR-072
2½"	1/64"	1"	62	**-5008Z**
3"	1/64"	1"	74	**-5020G**
3"	1/32"	1"	74	**-5020Q**
3"	3/64"	1"	74	**-5021R**
3"	1/16"	1"	30	**-5022N**
3"	1/16"	1"	74	**-5022S**
3"	5/64"	1"	74	**-5023T**
3"	3/32"	1"	74	**-5024V**
3"	1/8"	1"	30	**-5026S**
4"	1/64"	1"	100	**-5034X**
4"	3/64"	1"	100	**-5036M**
4"	1/16"	1"	100	**-5037N**
4"	1/8"	1"	36	**-5041H**
5"	3/32"	1"	40	**-5052V**

KENNEDY QUALITY INDUSTRIAL TOOLING — Industrial Quality Screw Extractors

Recommended for simple, low cost removal of broken screws, bolts etc, without damaging the threads of the component.



Extractor Number	Inch diameter for removing screws sized	Weight each	Order Code KEN-075
1	3/32 to 5/32	40g	**-1010K**
2	5/32 to 7/32	80g	**-1020K**
3	7/32 to 9/32	160g	**-1030K**
4	9/32 to 3/8	40g	**-1040K**
5	3/8 to 5/8	70g	**-1050K**
6	5/8 to 7/8	130g	**-1060K**
7	7/8 to 1 1/8	210g	**-1070K**
8	1 1/8 to 1 3/8	410g	**-1080K**
9	1 3/8 & above	690g	**-1090K**

Screw Extractor Sets

4 Piece Sizes: No. 2, 3, 4 and 5.

6 Piece Sizes: No. 1, 2, 3, 4, 5 and 6.



Number of Pieces	Weight each	Order Code KEN-075
4	130g	**-1140K**
6	250g	**-1160K**

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HSS Hand Taps

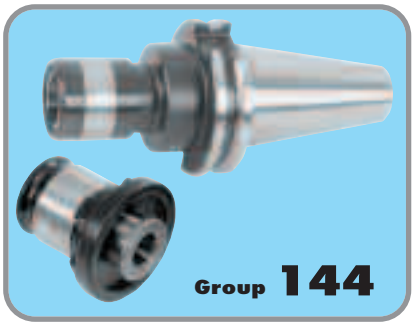
ISO 529	SHERWOOD		METRIC COARSE	METRIC FINE	UNC	UNF	BSW	BSF	BA	BSP	BSPT	NPT NPTF	NPS NPSF
HSS Ground Thread For Hand & General Use	Taper-Second Plug		Page 92	Page 94	Page 96	Page 98	Page 99	Page 100	Page 101	Page 102	Page 103	Page 104	Page 104
	Sets of Three		Page 92	Page 94	Page 96	Page 98	Page 99	Page 100	Page 101	Page 102	Page 103	*	*
	Spiral Point/ Gun Nose		Page 93	Page 95	Page 97	Page 98	Page 99	Page 100	Page 101	Page 102	*	*	*
	Spiral Flute		Page 93	Page 95	Page 97	Page 98	Page 99	Page 100	Page 101	Page 102	*	*	*
	Fluteless		Page 93	*	Page 97	*	*	*	*	*	*	*	*
	Long Series		Page 93	*	*	*	*	*	*	*	*	*	*
	Dies		Page 92	Page 94	Page 96	Page 98	Page 99	Page 167	Page 101	Page 102	Page 103	Page 94	Page 94
	Die Nuts		Page 92	Page 94	Page 96	Page 98	Page 99	Page 167	*	Page 102	Page 103	Page 94	Page 94
	Left Hand Taps & Dies		Page 93	*	*	*	*	*	*	*	*	*	*

*Where indicated these products are not shown in this catalogue but can be supplied on request. Please contact your local branch for more information.

Production Taps

DIN 371/6 SWISS+TECH			METRIC COARSE	BSP
BLACK RING MULTI APPLICATION	Spiral Point For Through Holes		Page 108	-
	Spiral Flute For Blind Holes		Page 108	-
YELLOW RING FOR STEELS	Spiral Point For Through Holes		Page 109	Page 109
	Spiral Flute For Blind Holes		Page 109	Page 109
BLUE RING FOR STAINLESS	Spiral Point For Through Holes		Page 110	-
	Spiral Flute - BLF For Shorter Blind Holes		Page 110	-
	Spiral Flute - BLT For Deeper For Blind Holes		Page 110	-
RED RING FOR ALLOY STEELS	Spiral Point For Through Holes		Page 109	-
	Spiral Flute For Blind Holes		Page 109	-
WHITE RING FOR CAST IRON	Straight Flute For Through Holes		Page 110	-
	Straight Flute For Blind Holes		Page 110	-
PURPLE RING FOR TITANIUM ALLOYS	Left Hand Spiral Flute For Through Holes		Page 111	-
	Spiral Flute For Blind Holes		Page 111	-
ORANGE RING FOR HI-TEMP ALLOYS	Spiral Point For Through Holes		Page 111	-
	Spiral Flute For Blind Holes		Page 111	-
GREEN RING FOR ALUMINIUM ALLOYS	Spiral Point For Through Holes		Page 112	-
	Spiral Flute For Blind Holes		Page 112	-
FOR BRASS/ ALUMINIUM	Fluteless For Through & Blind Holes		Page 112	-




Group 144


Group 085

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CUTTING TOOLS

SHERWOOD QUALITY CUTTING TOOLS — Metric Coarse HSS Ground Thread Taps

Straight Flute Individual Sizes
ISO 529



Group 518

(1) Diameter and pitch not mentioned in ISO.

METRIC COARSE — HSS



Size - Pitch (mm)	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
M1.0 x 0.25	5.5	38.5	2.50	3g	-0100A	-0100B	-0100C
M1.4 x 0.30	7.0	40.0	2.50	3g	-0120A	-0120B	-0120C
M1.6 x 0.35	8.0	41.0	2.50	3g	-0130A	-0130B	-0130C
M2.0 x 0.40	8.0	41.0	2.50	3g	-0160A	-0160B	-0160C
M2.2 x 0.45	9.5	44.5	2.80	4g	-0180A	-0180B	-0180C
M2.5 x 0.45	9.5	44.5	2.80	4g	-0200A	-0200B	-0200C
M3.0 x 0.50	11.0	48.0	3.15	4g	-0230A	-0230B	-0230C
M3.0 x 0.60(1)	14.5	48.0	3.15	4g	-0240A	-0240B	-0240C
M3.5 x 0.60	13.0	50.0	3.55	4g	-0260A	-0260B	-0260C
M4.0 x 0.70	13.0	53.0	4.00	6g	-0280A	-0280B	-0280C
M4.0 x 0.75(1)	17.0	53.0	4.00	6g	-0290A	-0290B	-0290C
M4.5 x 0.75	12.0	53.0	4.50	6g	-0310A	-0310B	-0310C
M5.0 x 0.80	12.0	58.0	5.00	8g	-0330A	-0330B	-0330C
M5.0 x 0.90(1)	12.0	58.0	5.00	6g	-0340A	-0340B	-0340C
M6.0 x 1.00	19.0	66.0	6.30	14g	-0370A	-0370B	-0370C
M7.0 x 1.00	17.0	66.0	7.10	21g	-0390A	-0390B	-0390C
M8.0 x 1.25	22.0	72.0	8.00	23g	-0410A	-0410B	-0410C
M9.0 x 1.25	22.0	72.0	9.00	32g	-0420A	-0420B	-0420C
M10.0 x 1.50	24.0	80.0	10.00	39g	-0450A	-0450B	-0450C
M11.0 x 1.50	20.0	85.0	8.00	41g	-0460A	-0460B	-0460C
M12.0 x 1.75	23.0	89.0	9.00	48g	-0480A	-0480B	-0480C
M14.0 x 2.00	25.0	95.0	11.20	76g	-0510A	-0510B	-0510C
M16.0 x 2.00	25.0	102.0	12.50	100g	-0530A	-0530B	-0530C
M18.0 x 2.50	30.0	112.0	14.00	133g	-0550A	-0550B	-0550C
M20.0 x 2.50	30.0	112.0	14.00	144g	-0570A	-0570B	-0570C
M22.0 x 2.50	30.0	118.0	16.00	194g	-0590A	-0590B	-0590C
M24.0 x 3.00	36.0	130.0	18.00	260g	-0610A	-0610B	-0610C
M27.0 x 3.00	36.0	135.0	20.00	256g	-0640A	-0640B	-0640C
M30.0 x 3.50	42.0	138.0	20.00	380g	-0660A	-0660B	-0660C
M33.0 x 3.50	42.0	151.0	22.40	512g	-0680A	-0680B	-
M36.0 x 4.00	48.0	162.0	25.00	646g	-0690A	-0690B	-0690C
M39.0 x 4.00	48.0	170.0	28.00	700g	-0700A	-0700B	-0700C
M42.0 x 4.50	54.0	170.0	28.00	915g	-0710A	-0710B	-0710C
M48.0 x 4.50	60.0	187.0	31.50	1340g	-	-0730B	-0730C

Sets of Three
1 each, taper, second and plug lead

Square AF	Tap Drill Size	Set of 3 Order Code SHR-085	
2.00	0.75	-0100D	
2.00	1.00	-0120D	
2.00	1.25	-0130D	
2.00	1.60	-0160D	
2.24	1.75	-0180D	
2.24	2.05	-0200D	
2.50	2.40	-0230D	
2.50	2.50	-0240D	
2.80	2.90	-0260D	
3.15	3.30	-0280D	
3.15	3.30	-0290D	
3.55	3.70	-0310D	
4.00	4.20	-0330D	
4.00	4.20	-0340D	
5.00	5.00	-0370D	
5.60	6.00	-0390D	
6.30	6.80	-0410D	
7.10	7.80	-0420D	
8.00	8.50	-0450D	
6.30	9.50	-0460D	
7.10	10.20	-0480D	
9.00	12.00	-0510D	
10.00	14.00	-0530D	
11.20	15.50	-0550D	
11.20	17.50	-0570D	
12.50	19.50	-0590D	
14.00	21.00	-0610D	
16.00	24.00	-0640D	
16.00	26.50	-0660D	
18.00	29.50	-0680D	
20.00	32.00	-0690D	
22.40	35.00	-	-
22.40	37.50	-0710D	
25.00	43.00	-	-

Metric Coarse HSS Ground Thread Dies

BS 1127
For use in diestocks to produce external screw threads.



Size - Pitch (mm)	Outside Diameter	Thickness	Weight each	Order Code SHR-086
M1.6 x 0.35	13/16"	1/4"	17g	-0090K
M2.0 x 0.40	13/16"	1/4"	13g	-0110K
M2.5 x 0.45	13/16"	1/4"	12g	-0130K
M3.0 x 0.50	13/16"	1/4"	14g	-0140K
M3.5 x 0.60	13/16"	1/4"	13g	-0150K
M4.0 x 0.70	13/16"	1/4"	13g	-0160K
M4.0 x 0.70	1"	3/8"	25g	-0410K
M5.0 x 0.80	1"	3/8"	24g	-0430K
M5.0 x 0.80	13/16"	1/4"	12g	-0180K
M6.0 x 1.00	13/16"	1/4"	12g	-0200K
M6.0 x 1.00	1"	3/8"	27g	-0440K
M6.0 x 1.00	15/16"	7/16"	54g	-0590K
M7.0 x 1.00	13/16"	1/4"	11g	-0210K
M8.0 x 1.25	1"	3/8"	27g	-0460K
M8.0 x 1.25	15/16"	7/16"	62g	-0610K
M8.0 x 1.25	1 1/2"	1/2"	85g	-0790K
M9.0 x 1.25	1"	3/8"	26g	-0470K
M9.0 x 1.25	15/16"	3/8"	26g	-0620K
M10.0 x 1.50	1"	3/8"	26g	-0480K
M10.0 x 1.50	15/16"	7/16"	51g	-0630K
M10.0 x 1.50	1 1/2"	1/2"	85g	-0810K
M11.0 x 1.50	15/16"	7/16"	54g	-0640K
M12.0 x 1.75	15/16"	7/16"	54g	-0650K
M12.0 x 1.75	1 1/2"	1/2"	78g	-0830K
M12.0 x 1.75	2"	5/8"	156g	-1020K
M14.0 x 2.00	15/16"	7/16"	50g	-0660K
M14.0 x 2.00	1 1/2"	1/2"	73g	-0840K
M14.0 x 2.00	2"	5/8"	167g	-1030K
M16.0 x 2.00	1 1/2"	1/2"	72g	-0850K
M16.0 x 2.00	2"	5/8"	167g	-1040K
M18.0 x 2.50	1 1/2"	1/2"	96g	-0860K
M18.0 x 2.50	2"	5/8"	160g	-1050K
M20.0 x 2.50	1 1/2"	1/2"	66g	-0870K
M20.0 x 2.50	2"	5/8"	160g	-1060K
M22.0 x 2.50	2"	5/8"	157g	-1070K
M24.0 x 3.00	2"	5/8"	152g	-1080K
M27.0 x 3.00	2"	5/8"	180g	-1090K
M30.0 x 3.50	3"	7/8"	471g	-1220K
M36.0 x 4.00	3"	7/8"		-1240K

Metric Coarse HSS Ground Thread Die Nuts

BS 1127
For use with spanners to clean and repair existing external screw threads.

METRIC COARSE — HSS



Group 582



Size - Pitch (mm)	Outside Diameter	Thickness	Weight each	Order Code SHR-086
M3.0 x 0.50	0.71"	1/4"	11g	-1310K
M4.0 x 0.70	0.71"	1/4"	10g	-1330K
M5.0 x 0.80	0.71"	1/4"	11g	-1350K
M6.0 x 1.00	0.71"	1/4"	10g	-1360K
M7.0 x 1.00	0.82"	5/16"	16g	-1440K
M8.0 x 1.25	0.82"	5/16"	16g	-1450K
M9.0 x 1.25	0.92"	3/8"	25g	-1490K
M10.0 x 1.50	0.92"	3/8"	24g	-1500K
M11.0 x 1.50	1.01"	7/16"		-1540K
M12.0 x 1.75	1.10"	1/2"	36g	-1570K
M14.0 x 2.00	1.30"	5/8"	45g	-1600K
M16.0 x 2.00	1.30"	5/8"	48g	-1610K
M18.0 x 2.50	1.48"	11/16"	106g	-1640K
M20.0 x 2.50	1.48"	11/16"	140g	-1650K
M22.0 x 2.50	1.67"	13/16"	147g	-1690K
M24.0 x 3.00	2.05"	15/16"	274g	-1720K
M30.0 x 3.50	2.22"	11/16"	330g	-1760K
M36.0 x 4.00	2.76"	1 1/4"	489g	-1790K

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SHERWOOD QUALITY CUTTING TOOLS — Metric Coarse HSS Ground Thread Taps

Spiral Point/Gun Nose

METRIC COARSE | HSS





Size - Pitch (mm)	Shank Dia.	A/F Square	Weight Each	Order Code SHR-085
M1.6 x 0.35	2.50	2.00	9g	-0130E
M2.0 x 0.40	2.50	2.00	9g	-0160E
M2.5 x 0.45	2.80	2.24	9g	-0200E
M3.0 x 0.50	3.15	2.50	12g	-0230E
M3.5 x 0.60	3.55	2.80	12g	-0260E
M4.0 x 0.70	4.00	3.15	18g	-0280E
M4.5 x 0.75	4.50	3.55	18g	-0310E
M5.0 x 0.80	5.00	4.00	18g	-0330E
M6.0 x 1.00	6.30	5.00	45g	-0370E
M7.0 x 1.00	7.10	5.60	54g	-0390E
M8.0 x 1.25	8.00	6.30	72g	-0410E
M10.0 x 1.50	10.00	8.00	120g	-0450E
M12.0 x 1.75	9.00	7.10	149g	-0480E
M14.0 x 2.00	11.20	9.00	233g	-0510E
M16.0 x 2.00	12.50	10.00	307g	-0530E
M18.0 x 2.50	14.00	11.20	427g	-0550E
M20.0 x 2.50	14.00	11.20	459g	-0570E
M22.0 x 2.50	16.00	12.50	599g	-0590E
M24.0 x 3.00	18.00	14.00	826g	-0610E

Spiral Flute

METRIC COARSE | HSS



Size - Pitch (mm)	Shank Dia.	A/F Square	Weight Each	Order Code SHR-085
2.00 - 0.40	2.50	2.00	9g	-0160F
2.50 - 0.45	2.80	2.24	9g	-0200F
3.00 - 0.50	3.15	2.50	12g	-0230F
3.50 - 0.60	3.55	2.80	12g	-0260F
4.00 - 0.70	4.00	3.15	18g	-0280F
5.00 - 0.80	5.00	4.00	24g	-0330F
6.00 - 1.00	6.30	5.00	33g	-0370F
7.00 - 1.00	7.10	5.60	51g	-0390F
8.00 - 1.25	8.00	6.30	69g	-0410F
10.00 - 1.50	10.00	8.00	114g	-0450F
12.00 - 1.75	9.00	7.10	147g	-0480F
14.00 - 2.00	11.20	9.00	167g	-0510F
16.00 - 2.00	12.50	10.00	304g	-0530F
18.00 - 2.50	14.00	11.20	420g	-0550F
20.00 - 2.50	14.00	11.20	448g	-0570F
22.00 - 2.50	16.00	12.50	584g	-0590F
24.00 - 3.00	18.00	14.00	795g	-0610F
30.00 - 3.50	20.00	16.00	953g	-0660F

Fluteless

METRIC COARSE | HSS



Size - Pitch (mm)	Shank Dia.	Weight Each	Order Code SHR-085
2.00 - 0.40	2.50	9g	-0160K
2.50 - 0.45	2.80	12g	-0200K
3.00 - 0.50	3.15	12g	-0230K
3.50 - 0.60	3.55	12g	-0260K
4.00 - 0.70	4.00	18g	-0280K
5.00 - 0.80	5.00	24g	-0330K
6.00 - 1.00	6.30	33g	-0370K
8.00 - 1.25	8.00	69g	-0410K
10.00 - 1.50	10.00	114g	-0450K
12.00 - 1.75	9.00	147g	-0480K
16.00 - 2.00	12.50	304g	-0530K

Straight Flute Long Series

Also Available in UNC/F and BSW/F Thread Forms

METRIC COARSE | HSS



Size - Pitch (mm)	Thread Length	Overall Length	Shank Diameter	Weight Each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
M3.0 x 0.50	11	66	2.24	5g	-0230G	-0230H	-0230J
M4.0 x 0.70	13	73	3.15	9g	-0280G	-0280H	-0280J
M5.0 x 0.80	16	79	4.00	13g	-0330G	-0330H	-0330J
M6.0 x 1.00	19	89	4.50	16g	-0370G	-0370H	-0370J
M8.0 x 1.25	22	97	6.30	30g	-0410G	-0410H	-0410J
M10.0 x 1.50	24	108	8.00	48g	-0450G	-0450H	-0450J
M12.0 x 1.75	29	119	9.00	68g	-0480G	-0480H	-0480J
M14.0 x 2.00	30	127	11.20	102g	-0510G	-0510H	-0510J
M16.0 x 2.00	32	137	12.50	130g	-0530G	-0530H	-0530J
M20.0 x 2.50	37	149	14.00	198g	-	-0570H	-0570J

Metric Coarse Left Hand Straight Flute Ground Thread Taps

HSS | LEFT HAND | METRIC COARSE

ISO 529



Straight Flute Individual Sizes

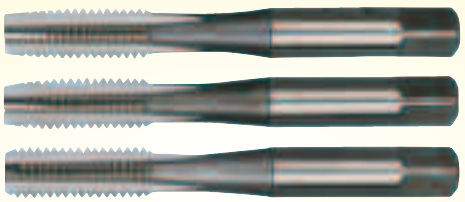


Size - Pitch (mm)	Taper Order Code SHR-087	Second Order Code SHR-087	Plug Order Code SHR-087
M3.0 x 0.50	-0230L	-0230M	-0230N
M4.0 x 0.70	-0280L	-0280M	-0280N
M5.0 x 0.80	-0330L	-0330M	-0330N
M6.0 x 1.00	-0370L	-0370M	-0370N
M8.0 x 1.25	-0410L	-0410M	-0410N
M10.0 x 1.50	-0450L	-0450M	-0450N
M12.0 x 1.75	-0480L	-0480M	-0480N
M14.0 x 2.00	-0510L	-0510M	-0510N
M16.0 x 2.00	-0530L	-0530M	-0530N
M20.0 x 2.50	-0570L	-0570M	-0570N

Sets of Three

1 each, taper, second and plug lead.

HSS | LEFT HAND | METRIC COARSE



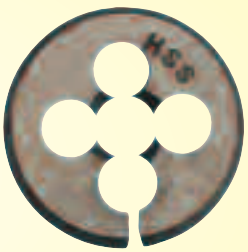
Square AF	Tap Drill Size	Set of 3 Order Code SHR-087
2.50	2.40	-0230P
3.15	3.30	-0280P
4.00	4.20	-0330P
5.00	5.00	-0370P
6.30	6.80	-0410P
8.00	8.50	-0450P
7.10	10.20	-0480P
9.00	12.00	-0510P
10.00	14.00	-0530P
11.20	17.50	-0570P

Metric HSS Left Hand Dies

HSS | LEFT HAND | METRIC COARSE

BS 1127

For use in diestocks to produce external screw threads.



Size - Pitch (mm)	Outside Diameter	Order Code SHR-087
M3.0 x 0.50	13/16"	-2320K
M4.0 x 0.70	13/16"	-2340K
M5.0 x 0.80	13/16"	-2360K
M6.0 x 1.00	13/16"	-2380K
M6.0 x 1.00	1"	-2530K
M8.0 x 1.25	1"	-2550K
M10.0 x 1.50	1"	-2570K
M12.0 x 1.75	1 5/16"	-2740K
M16.0 x 2.00	1 1/2"	-2970K

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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SHERWOOD QUALITY CUTTING TOOLS

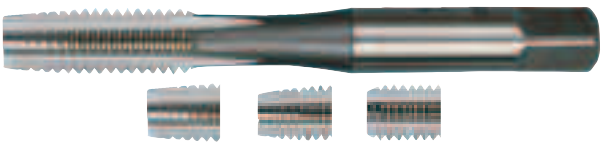
Metric Fine HSS Ground Thread Taps

Left Hand Also Available

METRIC FINE **HSS**

ISO 529
Straight Flute Individual Sizes

(1) Diameter and pitch not mentioned in ISO.





Sets of Three
1 each, taper, second and plug lead.

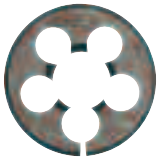
Size - Pitch (mm)	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
Metric Fine							
M3.0 x 0.35	11.0	48.0	3.15	3g	-0220A	-0220B	-0220C
M3.5 x 0.35	13.0	50.0	3.55	4g	-0250A	-0250B	-0250C
M4.0 x 0.50	13.0	53.0	4.00	6g	-0270A	-0270B	-0270C
M5.0 x 0.50	16.0	58.0	5.00	9g	-0320A	-0320B	-0320C
M6.0 x 0.75	19.0	66.0	6.30	17g	-0360A	-0360B	-0360C
M8.0 x 1.00(1)	19.0	72.0	8.00	21g	-0400A	-0400B	-0400C
M10.0 x 1.25(1)	20.0	80.0	10.00	45g	-0440A	-0440B	-0440C
M12.0 x 1.25	29.0	89.0	9.00	46g	-0470A	-0470B	-0470C
M14.0 x 1.00	30.0	95.0	11.20	71g	-0485A	-0485B	-0485C
M14.0 x 1.50	30.0	95.0	11.20	76g	-0500A	-0500B	-0500C
M16.0 x 1.50	32.0	102.0	12.50	101g	-0520A	-0520B	-0520C
M18.0 x 1.50	45.0	95.0	14.00	132g	-0540A	-0540B	-0540C
M18.0 x 2.00	37.0	112.0	14.00	138g	-0545A	-0545B	-0545C
M20.0 x 1.50	37.0	112.0	14.00	144g	-0560A	-0560B	-0560C
M22.0 x 1.50	38.0	118.0	16.00	86g	-0580A	-0580B	-0580C
M24.0 x 2.00	45.0	130.0	18.00	250g	-0600A	-0600B	-0600C
M27.0 x 2.00	37.0	127.0	20.00	320g	-0630A	-0630B	-0630C
M30.0 x 1.50	37.0	127.0	20.00	398g	-0645A	-0645B	-0645C
M30.0 x 2.00	37.0	127.0	20.00	366g	-0650A	-0650B	-0650C
ISO Metric Special Pitch							
M2.0 x 0.45	8.0	41.0	2.50	3g	-0170A	-0170B	-0170C
M6.0 x 0.50	15.0	55.0	6.00	7g	-0355A	-0355B	-0355C
M8.0 x 0.75	19.0	72.0	8.00	22g	-0395A	-0395B	-0395C
M10.0 x 0.75	20.0	80.0	10.00	36g	-0425A	-0425B	-0425C
M10.0 x 1.00(1)	24.0	80.0	10.00	38g	-0430A	-0430B	-0430C
M12.0 x 1.00	29.0	89.0	9.00	44g	-0465A	-0465B	-0465C
M12.0 x 1.50	29.0	89.0	9.00	48g	-0475A	-0475B	-0475C
M14.0 x 1.25	30.0	95.0	11.20	72g	-0490A	-0490B	-0490C
M16.0 x 1.00	32.0	102.0	12.50	96g	-0515A	-0515B	-0515C
M18.0 x 1.00	37.0	112.0	14.00	130g	-0535A	-0535B	-0535C
M20.0 x 1.00	37.0	112.0	14.00	146g	-0555A	-0555B	-0555C
M20.0 x 2.00	37.0	112.0	14.00	132g	-0565A	-0565B	-0565C
M24.0 x 1.50	45.0	130.0	18.00	254g	-0595A	-0595B	-0595C
M25.0 x 1.50	45.0	130.0	18.00	260g	-0620A	-0620B	-0620C
M32.0 x 1.50	37.0	137.0	22.40	488g	-0670A	-0670B	-0670C

Square AF	Tap Drill Size	Set of 3 Order Code SHR-085
Metric Fine		
2.50	2.65	-0220D
2.80	3.15	-0250D
3.15	3.50	-0270D
4.00	4.50	-0320D
5.00	5.20	-0360D
6.30	7.00	-0400D
8.00	8.80	-0440D
7.10	10.80	-0470D
9.00	13.00	-0485D
9.00	12.50	-0500D
10.00	14.50	-0520D
11.20	16.80	-0540D
11.20	16.00	-0545D
11.20	18.50	-0560D
12.50	20.50	-0580D
14.00	22.50	-0600D
16.00	25.00	-0630D
16.00	28.50	-0645D
16.00	28.00	-0650D
ISO Metric Special Pitch		
2.00	1.55	-0170D
5.00	5.50	-0355D
6.34	7.20	-0395D
8.00	9.20	-0425D
8.00	9.00	-0430D
7.10	11.00	-0465D
7.10	10.50	-0475D
9.00	12.80	-0490D
10.00	15.00	-0515D
11.20	17.00	-0535D
11.20	19.00	-0555D
11.20	18.00	-0565D
14.00	22.50	-0595D
14.00	23.50	-0620D
18.00	30.50	- -

Metric Fine HSS Ground Thread Dies

HSS **METRIC FINE**

BS 1127
For use in diestocks to produce external screw threads.



Size - Pitch (mm)	Outside Diameter	Thickness	Weight each	Order Code SHR-086
Metric Fine				
M4.0 x 0.50	13/16"	1/4"	12g	-1930K
M5.0 x 0.50	13/16"	1/4"	12g	-1950K
M6.0 x 0.50	13/16"	1/4"	12g	-0190K
M6.0 x 0.75	13/16"	1/4"	12g	-1980K
M8.0 x 1.00	1"	3/8"	27g	-2040K
M10.0 x 1.25	1"	3/8"	25g	-2080K
M10.0 x 1.25	1 5/16"	7/16"	53g	-2130K
M12.0 x 1.25	1 5/16"	7/16"	53g	-2150K
M14.0 x 1.00	1 5/16"	7/16"	48g	-0655K
M14.0 x 1.50	1 5/16"	7/16"	49g	-2180K
M16.0 x 1.50	1 1/2"	1/2"	73g	-2220K
M18.0 x 1.00	2"	5/8"	82g	-1045K
M18.0 x 1.50	1 1/2"	1/2"	74g	-2230K
M20.0 x 1.50	1 1/2"	1/2"	66g	-2250K
M20.0 x 1.50	2"	5/8"	154g	-2330K
M22.0 x 1.50	2"	5/8"	178g	-2350K
M24.0 x 2.00	2"	5/8"	153g	-2380K
M30.0 x 2.00	3"	7/8"	260g	-1216K
ISO Metric Special Pitch				
M4.0 x 0.75	13/16"	1/4"	12g	-0165K
M4.5 x 0.75	13/16"	1/4"	12g	-0170K
M5.0 x 0.90	13/16"	1/4"	12g	-0185K
M8.0 x 0.75	1"	3/8"	27g	-2030K
M10.0 x 1.00	1"	3/8"	25g	-2070K
M12.0 x 1.00	1 5/16"	7/16"	50g	-2140K
M12.0 x 1.50	1 5/16"	7/16"	53g	-2160K
M14.0 x 1.25	1 5/16"	7/16"	48g	-2170K
M16.0 x 1.00	1 1/2"	1/2"	68g	-2210K
M20.0 x 1.00	1 1/2"	1/2"	64g	-2240K
M24.0 x 1.50	2"	5/8"	145g	-2370K
M25.0 x 1.50	2"	5/8"	145g	-2390K
M30.0 x 1.50	3"	7/8"	230g	-1215K

Metric Fine HSS Ground Thread Die Nuts

HSS **METRIC FINE**

BS 1127
For use with spanners to clean and repair existing external screw threads.





Size - Pitch (mm)	Width	Thickness	Weight each	Order Code SHR-086
Metric Fine				
M3.0 x 0.35	0.71"	1/4"	10g	-2480K
M6.0 x 0.75	0.71"	1/4"	10g	-2550K
M8.0 x 1.00	0.82"	5/16"	16g	-2590K
M10.0 x 1.25	0.92"	3/8"	24g	-2640K
M12.0 x 1.25	1.10"	1/2"	46g	-2660K
M14.0 x 1.50	1.30"	5/8"	77g	-2770K
M16.0 x 1.50	1.30"	5/8"	71g	-2790K
M18.0 x 1.50	1.48"	11/16"	102g	-2810K
M20.0 x 1.50	1.48"	11/16"	92g	-2830K
M22.0 x 1.50	1.67"	13/16"	146g	-2860K
M24.0 x 2.00	2.05"	15/16"	249g	-2890K
ISO Metric Special Pitch				
M8.0 x 0.75	0.85"	5/16"	16g	-2580K
M10.0 x 0.75	0.92"	3/8"	22g	-1495K
M10.0 x 1.00	0.92"	3/8"	22g	-2630K
M12.0 x 1.00	1.10"	1/2"	35g	-2650K
M12.0 x 1.50	1.10"	1/2"	52g	-2670K
M14.0 x 1.25	1.30"	5/8"	70g	-2760K
M16.0 x 1.00	1.30"	5/8"	70g	-2780K
M20.0 x 1.00	1.48"	11/16"	95g	-2820K
M20.0 x 2.00	1.48"	11/16"	99g	-2840K
M24.0 x 1.50	2,05"	15/16"	249g	-2880K

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Metric Fine HSS Ground Thread Taps

HSS

METRIC FINE

ISO 529

Spiral Point/Gun Nose

† = Metric Spark Plug
* = Metric Conduit



Size - Pitch (mm)	Shank Diameter	A/F Square	Weight each	Order Code SHR-085
Metric Fine				
M4.0 x 0.50	4.00	3.15	8g	**-0270E**
M5.0 x 0.50	5.00	4.00	10g	**-0320E**
M6.0 x 0.75	6.30	5.00	27g	**-0360E**
M8.0 x 1.00	8.00	6.30	23g	**-0400E**
M10.0 x 1.25	10.00	8.00	40g	**-0440E**
M12.0 x 1.25	9.00	7.10	48g	**-0470E**
M14.0 x 1.50	11.20	9.00	78g	**-0500E**
M16.0 x 1.50	12.50	10.00	82g	**-0520E**
M18.0 x 1.50	14.00	11.20	132g	**-0540E**
M20.0 x 1.50	14.00	11.20	159g	**-0560E**
M22.0 x 1.50	16.00	12.50	185g	**-0580E**
ISO Metric Special Pitch				
M10.0 x 1.00†	10.00	8.00	40g	**-0430E**
M12.0 x 1.50	9.00	7.10	40g	**-0475E**

Spiral Flute

METRIC FINE HSS

† = Metric Spark Plug
* = Metric Conduit



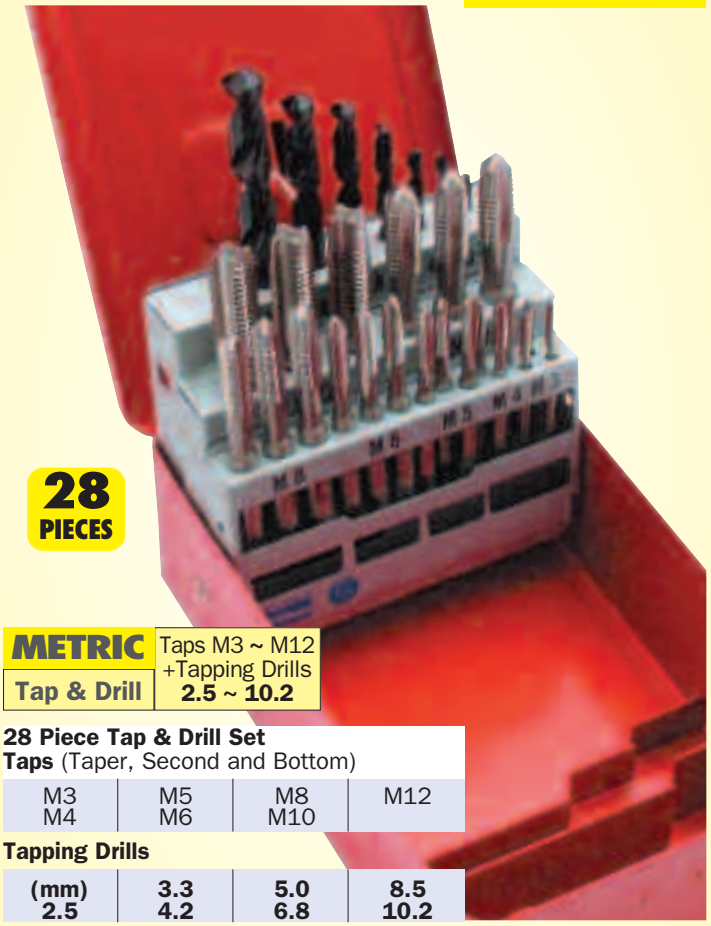
Size - Pitch (mm)	Shank Diameter	A/F Square	Weight each	Order Code SHR-085
Metric Fine				
M4.0 x 0.50	4.00	3.15	6g	**-0270F**
M5.0 x 0.50	5.00	4.00	10g	**-0320F**
M6.0 x 0.75	6.30	5.00	14g	**-0360F**
M8.0 x 1.00	8.00	6.30	22g	**-0400F**
M10.0 x 1.25	10.00	8.00	37g	**-0440F**
M12.0 x 1.25	9.00	7.10	47g	**-0470F**
M14.0 x 1.50	11.20	9.00	75g	**-0500F**
M16.0 x 1.50	12.50	10.00	82g	**-0520F**
M18.0 x 1.50†	14.00	11.00	148g	**-0540F**
M20.0 x 1.50*	14.00	11.20	131g	**-0560F**
M22.0 x 1.50	16.00	12.50	184g	**-0580F**
ISO Metric Special Pitch				
M10.0 x 1.00†	10.00	8.00	38g	**-0430F**
M12.0 x 1.50	9.00	7.10	48g	**-0475F**
M14.0 x 1.25†	11.20	9.00	75g	**-0490F**

HSS Ground Flute Tap & Drill Set

Industrial quality. Ground flute, blue finish.
Supplied in indexing metal cases.
Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M.**

HSS

METRIC COARSE



28 PIECES

METRIC Taps M3 ~ M12
Tap & Drill +Tapping Drills **2.5 ~ 10.2**

28 Piece Tap & Drill Set
Taps (Taper, Second and Bottom)

M3 M4	M5 M6	M8 M10	M12

Tapping Drills

(mm) **2.5**	**3.3** **4.2**	**5.0** **6.8**	**8.5** **10.2**

Number of Pieces	Order Code SHR-025
28	**-9960K**

Group		Materials Colour defines similar machineability	Hardness Brinell HB	Hardness Rockwell HRC	Tensile Strength N/mm²	Cutting Speed M/min	Hole Type	Tap Type
Carbon	1.1	Mild Steel	<130	-	<400	15 - 20	Various Through Hole Blind Hole	Straight Flute Spiral Point/ Gun Nose Spiral Flute
	1.2	Case Hardening & Structural Steel	<200	-	<700	15 - 20		
	1.3	Medium Carbon Steel	<260	<26	<850	15 - 20		
Alloy	1.4	Low Alloy Steel	<260	<26	<850	10 - 15	Through Hole Blind Hole	Spiral Point/ Gun Nose Spiral Flute
	1.5	Medium to High Alloy Steel	260 - 340	26 - 36	850 - 1200	6 - 10		
	1.6	Heat Treated Steel	340 - 450	36 - 48	1200 - 1500	4 - 6		
Stainless Steels	2.1	Free Machining Stainless	<230	<20	<800	8 - 10	Through Hole Blind Hole	Spiral Point/ Gun Nose Spiral Flute
	2.2	Medium Strength Austenitic Stainless	<290	<30	<1000	6 - 8		
	2.3	Difficult to Machine, Duplex Stainless	<340	<36	<1200	4 - 6		
Cast Iron	3.1	Grey Cast Iron - Soft	<180	-	-	18 - 25	Blind & Through Hole	Straight Flute
	3.2	Grey Cast Iron - Hard	180 - 300	-	-	15 - 18		
	3.3	Malleable & Nodular Iron	<220	-	-	8 - 12	Through Hole	Spiral Point/ Gun Nose
	3.4	Malleable & Nodular Iron - Hard	200 - 300	-	-	4 - 6		
Aluminium	7.1	Unalloyed Aluminium - Zinc - Magnesium	-	-	<150	20 - 25	Blind & Through Hole	Fluteless
	7.2	Aluminium Alloy less than 5% Si	-	-	150 - 300	17 - 22		
	7.3	Aluminium Alloy 5% to 10% Si	-	-	200 - 500	15 - 20		
	7.4	Aluminium Alloy above 10% Si	-	-	200 - 500	12 - 15	Blind & Through Hole	Straight Flute (for Cast Irons)

Power Requirements For Taps

Many factors are involved when considering power requirements for a particular application.
Factors such as the choice of tap design, tapping drill size, depth of threaded hole, lubricant and tapping speed all play a part in determining these requirements.
To estimate the power requirements for varying percentage thread depths, the following general formula and constants may be used:

$$\text{Tapping Power (KW)} = \frac{C \times D \times p2 \times N \times K}{10000}$$

$$HP = KW \times 1.341$$

Where **D** = Thread Diameter (mm)
P = Pitch (mm)
N = Spindle speed RPM
K = Material Factor Constant
C = A constant based on % thread depth, as follows:

C	% Thread Depth
0.231	60
0.326	75
0.433	80

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UNC (Unified Coarse) HSS Ground Thread Taps

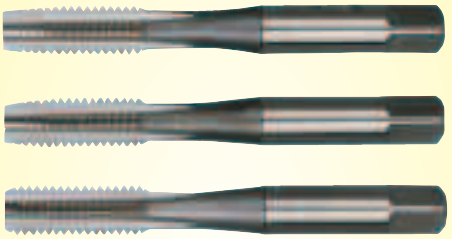
ISO 529

Left Hand Also Available

Sets of Three
1 each, taper, second and plug lead.

UNC HSS







Straight Flute Individual Sizes

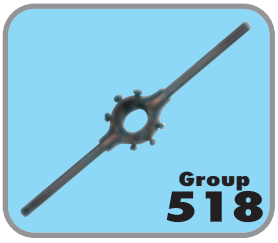
Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
No.1 x 64	8.0	41.0	2.50	3g	-0760A	-	-0760C
No.2 x 56	9.5	44.5	2.80	3g	-0770A	-0770B	-0770C
No.3 x 48	9.5	44.5	2.80	3g	-	-	-0780C
No.4 x 40	11.0	48.0	3.15	3g	-0790A	-0790B	-0790C
No.5 x 40	11.0	48.0	3.15	4g	-0800A	-0800B	-0800C
No.6 x 32	13.0	50.0	3.55	4g	-0810A	-0810B	-0810C
No.8 x 32	13.0	53.0	4.50	7g	-0820A	-0820B	-0820C
No.10 x 24	16.0	58.0	5.00	8g	-0830A	-0830B	-0830C
No.12 x 24	17.0	62.0	5.60	11g	-0840A	-0840B	-0840C
1/4" x 20	19.0	66.0	6.30	14g	-0850A	-0850B	-0850C
5/16" x 18	22.0	72.0	8.00	22g	-0860A	-0860B	-0860C
3/8" x 16	24.0	80.0	10.00	38g	-0870A	-0870B	-0870C
7/16" x 14	25.0	85.0	8.00	38g	-0880A	-0880B	-0880C
1/2" x 13	29.0	89.0	9.00	50g	-0890A	-0890B	-0890C
9/16" x 12	30.0	95.0	11.20	75g	-0900A	-0900B	-0900C
5/8" x 11	32.0	102.0	12.50	82g	-0910A	-0910B	-0910C
3/4" x 10	37.0	112.0	14.00	142g	-0920A	-0920B	-0920C
7/8" x 9	38.0	118.0	16.00	193g	-0930A	-0930B	-0930C
1" x 8	45.0	130.0	18.00	323g	-0940A	-0940B	-0940C
1 1/8" x 7	48.0	138.0	20.00	373g	-0950A	-0950B	-
1 1/4" x 7	51.0	151.0	22.40	478g	-	-0960B	-
1 3/8" x 6	57.0	162.0	25.00	577g	-	-0970B	-
1 1/2" x 6	60.0	170.0	28.00	782g	-0980A	-	-0980C

Square AF	Tap Drill Size	Set of 3 Order Code SHR-085
2.00	1.55	-0760D
2.24	1.85	-0770D
2.24	2.10	-
2.50	2.35	-0790D
2.50	2.65	-0800D
2.80	2.85	-0810D
3.55	3.50	-0820D
4.00	3.90	-0830D
4.50	4.50	-0840D
5.00	5.10	-0850D
6.30	6.60	-0860D
8.00	8.00	-0870D
6.30	9.40	-0880D
7.10	10.80	-0890D
9.00	12.20	-0900D
10.00	13.50	-0910D
11.20	16.50	-0920D
12.50	19.50	-0930D
14.00	22.25	-0940D
16.00	25.00	-
18.00	28.00	-
20.00	30.75	-
22.40	34.00	-

UNC (Unified Coarse) HSS Ground Thread Dies

UNC HSS

BS 1127
For use in diestocks to produce external screw threads.





Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
No.2 x 56	13/16"	1/4"	12g	-2980K
No.4 x 40	13/16"	1/4"	12g	-3000K
No.6 x 32	13/16"	1/4"	7g	-3020K
No.8 x 32	13/16"	1/4"	13g	-3030K
No.10 x 24	13/16"	1/4"	17g	-3040K
1/4" x 20	13/16"	3/8"	12g	-3060K
1/4" x 20	1"	3/8"	26g	-3220K
1/4" x 20	1 5/16"	7/16"	46g	-3340K
5/16" x 18	1"	3/8"	27g	-3230K
5/16" x 18	1 5/16"	7/16"	47g	-3350K
3/8" x 16	1"	3/8"	24g	-3240K
3/8" x 16	1 5/16"	7/16"	62g	-3360K
7/16" x 14	1"	3/8"	27g	-3250K
7/16" x 14	1 5/16"	7/16"	51g	-3370K
1/2" x 13	1 5/16"	7/16"	52g	-3380K
1/2" x 13	1 1/2"	1/2"	79g	-3480K
9/16" x 12	1 5/16"	7/16"	37g	-3390K
9/16" x 12	1 1/2"	1/2"	71g	-3490K
5/8" x 11	1 1/2"	1/2"	71g	-3500K
3/4" x 10	1 1/2"	1/2"	70g	-3510K
7/8" x 9	2"	5/8"	149g	-3660K
1" x 8	2"	5/8"	157g	-3670K

UNC (Unified Coarse) HSS Ground Thread Die Nuts

UNC HSS

BS 1127
For use with spanners to clean and repair existing external screw threads.





Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/4" x 20	0.71"	1/4"	13g	-3920K
5/16" x 18	0.82"	5/16"	12g	-3950K
3/8" x 16	0.92"	3/8"	11g	-3970K
7/16" x 14	1.01"	7/16"	33g	-3990K
1/2" x 13	1.10"	1/2"	45g	-4010K
1/2" x 13	1.10"	1/2"	44	-4020K
5/8" x 11	1.30"	5/8"	72g	-4040K
3/4" x 10	1.48"	11/16"	102g	-4070K
1" x 8	2.05"	15/16"	269g	-4110K

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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SHERWOOD QUALITY CUTTING TOOLS — UNC (Unified Coarse) HSS Ground Thread Taps

ISO 529
Spiral Point/Gun Nose

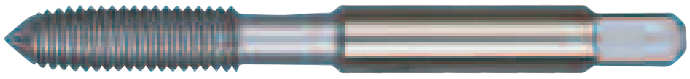
UNC HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.1 x 64	2.50	2.00	1g	-0760E
No.2 x 56	2.80	2.24	1g	-0770E
No.4 x 40	3.15	2.50	1g	-0790E
No.5 x 40	3.15	2.50	2g	-0800E
No.6 x 32	3.55	2.80	2g	-0810E
No.8 x 32	4.50	3.55	4g	-0820E
No.10 x 24	5.00	4.00	5g	-0830E
No.12 x 24	5.60	4.50	8g	-0840E
1/4" x 20	6.30	5.00	11g	-0850E
5/16" x 18	8.00	6.30	17g	-0860E
3/8" x 16	10.00	8.00	33g	-0870E
7/16" x 14	8.00	6.30	38g	-0880E
1/2" x 13	9.00	7.10	44g	-0890E
9/16" x 12	11.20	9.00	62g	-0900E
5/8" x 11	12.50	10.00	91g	-0910E
3/4" x 10	14.00	11.20	130g	-0920E
7/8" x 9	16.00	12.20	173g	-0930E
1" x 8	18.00	14.00	294g	-0940E

Fluteless

UNC HSS



Size- Pitch	Shank Diameter	Weight each	Order Code SHR-085
No.4 x 40	3.15	2g	-0790K
No.6 x 32	3.55	3g	-0810K
No.8 x 32	4.50	8g	-0820K
1/4" x 20	6.30	11g	-0850K
3/8" x 16	10.00	41g	-0870K

Spiral Flute

UNC HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.4 x 40	3.15	2.50	1g	-0790F
No.5 x 40	3.15	2.50	2g	-0800F
No.6 x 32	3.55	2.80	3g	-0810F
No.8 x 32	4.50	3.55	4g	-0820F
No.10 x 24	5.00	4.00	5g	-0830F
No.12 x 24	5.60	4.50	8g	-0840F
1/4" x 20	6.30	5.00	11g	-0850F
5/16" x 18	8.00	6.30	19g	-0860F
3/8" x 16	10.00	8.00	31g	-0870F
7/16" x 14	8.00	6.30	31g	-0880F
1/2" x 13	9.00	7.10	41g	-0890F
5/8" x 11	12.50	10.00	89g	-0910F
3/4" x 10	14.00	11.20	123g	-0920F
7/8" x 9	16.00	12.50	180g	-0930F
1" x 8	18.00	14.00	240g	-0940F

UNC Threading Set

UNC HSS

No.10 - 3/4" UNC:

HSSGT Straight Flute Taps:
Taper: No. 10 x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.
Second: 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.
Plug: No. 10 x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.
Bar Type Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".
Tapping Drills to suit: HSS S/S. 3.90, 5.10, 6.60, 8.00, 9.40, 10.80mm
HSS 1" O/D Dies: 1/4" x 20, 5/16" x 18, 3/8" x 16.
Diestock: 1" O/D.
HSS Die Nuts: 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.

28 PIECES



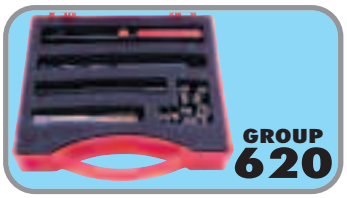
Range	Number of Pieces	Order Code SHR-086
10 - 3/4" UNC	28	-9994K

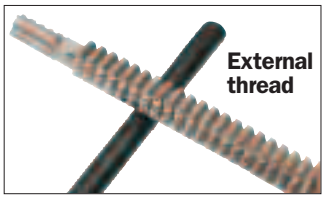
Thread Restoring Files

Restore internal and external threads by filing, where the use of taps and dies are impractical. The restorer file overlaps several good threads and files the damaged ones. Restore right and left hand, internal and external threads.
Long lasting, fast cutting teeth. Thread restoring files are available in ISO, Whit/BSF, UNF/UNC and BSP thread types.









Thread Type	Range	Weight each	Order Code SHR-017
ISO	.80 to 3mm	133g	-9020C
Whit/BSF	10 tpi to 24 tpi	132g	-9001A
UNF/UNC	11 tpi to 24 tpi	130g	-9010B
BSP	11 tpi to 28 tpi	127g	-9030D

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SHERWOOD QUALITY CUTTING TOOLS — UNF (Unified Fine) HSS Ground Thread Taps

ISO 529



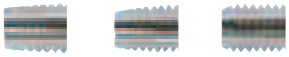
Left Hand Also Available

Sets of Three
1 each, taper, second and plug lead.



HSS UNF

Straight Flute Individual Sizes



Size - Pitch	Thread Length	Overall Length	Shank Diameter	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
No.5 x 44	11.0	48.0	3.15	-1060A	-1060B	-1060C
No.6 x 40	13.0	50.0	3.55	-1070A	-1070B	-1070C
No.8 x 36	13.0	53.0	4.50	-1080A	-1080B	-1080C
No.10 x 32	16.0	58.0	5.00	-1090A	-1090B	-1090C
No.12 x 28	17.0	62.0	5.60	-1100A	-1100B	-1100C
1/4" x 28	19.0	66.0	6.30	-1110A	-1110B	-1110C
5/16" x 24	19.0	69.0	8.00	-1120A	-1120B	-1120C
3/8" x 24	20.0	76.0	10.00	-1130A	-1130B	-1130C
7/16" x 20	25.0	85.0	8.00	-1140A	-1140B	-1140C
1/2" x 20	29.0	89.0	9.00	-1150A	-1150B	-1150C
9/16" x 18	30.0	95.0	11.20	-1160A	-1160B	-1160C
5/8" x 18	32.0	102.0	12.50	-1170A	-1170B	-1170C
3/4" x 16	37.0	112.0	14.00	-1180A	-1180B	-1180C
7/8" x 14	38.0	118.0	16.00	-1190A	-1190B	-1190C
1" x 12	45.0	130.0	18.00	-1200A	-1200B	-1200C
1 1/8" x 12	37.0	127.0	20.00	-1210A	-	-
1 1/4" x 12	37.0	137.0	22.40	-1220A	-	-
1 3/8" x 12	39.0	144.0	25.00	-1230A	-	-

Set of 3

Square AF	Tap Drill Size	Order Code SHR-085	
2.50	2.70	-1060D	
2.80	2.95	-1070D	
3.55	3.50	-1080D	
4.00	4.10	-1090D	
4.50	4.70	-1100D	
5.00	5.50	-1110D	
6.30	6.90	-1120D	
8.00	8.50	-1130D	
6.30	9.90	-1140D	
7.10	11.50	-1150D	
9.00	12.90	-1160D	
10.00	14.50	-1170D	
11.20	17.50	-1180D	
12.50	20.50	-1190D	
14.00	23.25	-1200D	
16.00	26.50	-	-
18.00	29.50	-	-
20.00	32.75	-	-

UNF (Unified Fine) HSS Ground Thread Taps

Spiral Point/Gun Nose

UNF HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.5 x 44	3.15	2.50	3g	-1060E
No.6 x 40	3.55	2.80	5g	-1070E
No.8 x 36	4.50	3.55	7g	-1080E
No.10 x 32	5.00	4.00	7g	-1090E
No.12 x 28	5.60	4.50	11g	-1100E
1/4" x 28	6.30	5.00	15g	-1110E
5/16" x 24	8.00	6.30	23g	-1120E
3/8" x 24	10.00	8.00	37g	-1130E
7/16" x 20	8.00	6.30	33g	-1140E
1/2" x 20	9.00	7.10	52g	-1150E
9/16" x 18	11.20	9.00	71g	-1160E
5/8" x 18	12.50	10.00	100g	-1170E
3/4" x 16	14.00	11.20	156g	-1180E
7/8" x 14	16.00	12.50	185g	-1190E
1" x 12	18.00	14.00	222g	-1200E

Spiral Flute

UNF HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.4 x 48	3.15	2.50	4g	-1050F
No.5 x 44	3.15	2.50	8g	-1060F
No.8 x 36	4.50	3.55	6g	-1070F
No.8 x 36	4.50	3.55	6g	-1080F
No.10 x 32	5.00	4.00	7g	-1090F
5/16" x 24	8.00	6.30	22g	-1120F
3/8" x 24	10.00	8.00	37g	-1130F
7/16" x 20	8.00	6.30	39g	-1140F
1/2" x 20	9.00	7.10	48g	-1150F
9/16" x 18	11.20	9.00	75g	-1160F
5/8" x 18	12.50	10.00	95g	-1170F
3/4" x 16	14.00	11.20	131g	-1180F
7/8" x 14	16.00	12.50	192g	-1190F

UNF (Unified Fine) HSS Ground Thread Dies

UNF HSS

ISO 529
For use in diestocks to produce external screw threads.



UNF (Unified Fine)

Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
No.6 x 40	13/16"	1/4"	11g	-4280K
No.10 x 32	13/16"	1/4"	12g	-4300K
No.10 x 32	1"	3/8"	12g	-4470K
1/4" x 28	13/16"	1/4"	12g	-4320K
1/4" x 28	1"	3/8"	28g	-4490K
5/16" x 24	1"	3/8"	42g	-4500K
3/8" x 24	1"	3/8"	42g	-4510K
3/8" x 24	1 5/16"	7/16"	55g	-4640K
7/16" x 20	1"	3/8"	23g	-4520K
7/16" x 20	1 5/16"	7/16"	53g	-4650K
1/2" x 20	1 5/16"	7/16"	51g	-4660K
1/2" x 20	1 1/2"	1/2"	73g	-4780K
9/16" x 18	1 1/2"	1/2"	74g	-4790K
9/16" x 18	1 5/16"	7/16"	49g	-4670K
5/8" x 18	1 1/2"	1/2"	72g	-4800K
3/4" x 16	1 1/2"	1/2"	69g	-4810K
3/4" x 16	2"	5/8"	165g	-4970K
7/8" x 14	2"	5/8"	159g	-4980K
1" x 12	2"	5/8"	156g	-4990K

UNF (Unified Fine) HSS Ground Thread Die Nuts

UNF HSS

BS 1127
For use with spanners to clean and repair existing external screw threads.







UNF (Fine)

Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/4" x 28	0.71"	1/4"	10g	-5280K
5/16" x 24	0.82"	5/16"	20g	-5310K
3/8" x 24	0.92"	3/8"	24g	-5330K
7/16" x 20	1.10"	7/16"	33g	-5350K
1/2" x 20	1.10"	1/2"	44g	-5370K
9/16" x 18	1.30"	5/8"	76g	-5390K
5/8" x 18	1.30"	5/8"	72g	-5400K
3/4" x 16	1.48"	11/16"	101g	-5430K
7/8" x 14	1.67"	13/16"	148g	-5450K

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SHERWOOD QUALITY CUTTING TOOLS

BSW (British Standard Whitworth) HSS Ground Thread Taps

ISO 529

Left Hand Also Available

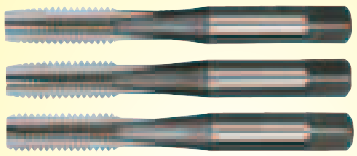


Straight Flute Individual Sizes



Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
1/8" x 40	16.0	48.0	3.15	1g	-1320A	-1320B	-1320C
5/32" x 32	13.0	53.0	4.00	4g	-1330A	-1330B	-1330C
3/16" x 24	16.0	58.0	5.00	8g	-1340A	-1340B	-1340C
1/4" x 20	19.0	66.0	6.30	14g	-1360A	-1360B	-1360C
5/16" x 18	22.0	72.0	8.00	23g	-1370A	-1370B	-1370C
3/8" x 16	24.0	80.0	10.00	38g	-1380A	-1380B	-1380C
7/16" x 14	25.0	85.0	8.00	37g	-1390A	-1390B	-1390C
1/2" x 12	29.0	89.0	9.00	49g	-1400A	-1400B	-1400C
9/16" x 12	30.0	95.0	11.20	67g	-1410A	-1410B	-1410C
5/8" x 11	32.0	102.0	12.50	98g	-1420A	-1420B	-1420C
3/4" x 10	37.0	112.0	14.00	143g	-1430A	-1430B	-1430C
7/8" x 9	38.0	118.0	16.00	195g	-1440A	-1440B	-1440C
1" x 8	45.0	130.0	18.00	269g	-1450A	-1450B	-1450C
1 1/4" x 7	51.0	151.0	22.40	473g	-	-	-1470C

Sets of Three
1 each, taper, second and plug lead.



HSS BSW

Square AF	Tap Drill Size	Set of 3 Order Code SHR-085
2.50	2.55	-1320D
3.15	3.10	-1330D
4.00	3.70	-1340D
5.00	5.10	-1360D
6.30	6.50	-1370D
8.00	7.90	-1380D
6.30	9.30	-1390D
7.10	10.50	-1400D
9.00	12.10	-
10.00	13.50	-1420D
11.20	16.25	-1430D
12.50	19.25	-1440D
14.00	22.00	-1450D
18.00	28.00	-1470D

BSW (British Standard Whitworth) HSS Ground Thread Taps

BSW HSS

ISO 529

Spiral Point/Gun Nose



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
1/8" x 40	3.15	2.50	3g	-1320E
3/16" x 24	5.00	4.00	8g	-1340E
1/4" x 20	6.30	5.00	15g	-1360E
5/16" x 18	8.00	6.30	23g	-1370E
3/8" x 16	10.00	8.00	38g	-1380E
7/16" x 14	8.00	6.30	25g	-1390E
1/2" x 12	9.00	7.10	49g	-1400E
5/8" x 11	12.50	10.00	62g	-1420E
3/4" x 10	14.00	11.20	85g	-1430E
1" x 8	18.00	14.00	221g	-1450E

Spiral Flute

BSW HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
1/8" x 40	3.15	2.50	2g	-1320F
3/16" x 24	5.00	4.00	6g	-1340F
1/4" x 20	6.30	5.00	14g	-1360F
5/16" x 18	8.00	6.30	26g	-1370F
3/8" x 16	10.00	8.00	37g	-1380F
7/16" x 14	8.00	6.30	21g	-1390F
1/2" x 12	9.00	7.10	46g	-1400F
5/8" x 11	12.50	10.00	60g	-1420F
3/4" x 10	14.00	11.20	75g	-1430F

BSW Threading Set

BSW HSS

3/16" - 3/4" BSW:

28 PIECES

HSSGT Straight Flute Taps:

Taper: 3/16" x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.

Second: 7/16" x 14, 1/2" x 12, 5/8" x 11, 3/4" x 10.

Plug: 3/8" x 16, 5/16" x 18, 1/4" x 20, 3/16" x 24.

Bar Type Tap Wrenches:
1/4" - 3/4" and 1/16" - 1/4".

Tapping Drills to Suit:
HSS S/S: 3.70, 5.10, 6.50, 7.90, 9.30, 10.50mm.

HSS 1" O/D Dies:
1/4" x 2, 5/16" x 18 and 3/8" x 16.

Diestock: 1" O/D.

HSS Die Nuts: 7/16" x 14, 1/2" x 12, 5/8" x 11 and 3/4" x 10.

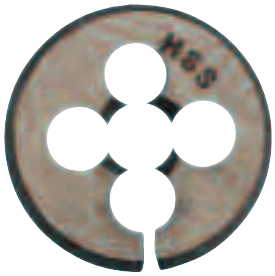


Range	Number of Pieces	Order Code SHR-086
3/16" - 3/4" BSW	28	-9992K

BSW (British Standard Whitworth) HSS Ground Thread Dies

BSW HSS

BS 1127
For use in diestocks to produce external screw threads.

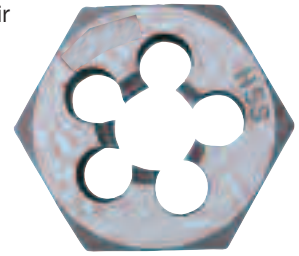


Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
1/8" x 40	13/16"	1/4"	13g	-5600K
3/16" x 24	13/16"	1/4"	12g	-5620K
1/4" x 20	13/16"	1/4"	12g	-5640K
1/4" x 20	1"	3/8"	27g	-5730K
5/16" x 18	1"	3/8"	27g	-5740K
3/8" x 16	1"	3/8"	26g	-5750K
3/8" x 16	1 5/16"	7/16"	54g	-5810K
7/16" x 14	1 5/16"	7/16"	53g	-5820K
1/2" x 12	1 5/16"	7/16"	53g	-5830K
1/2" x 12	1 1/2"	1/2"	52g	-5940K
5/8" x 11	1 1/2"	1/2"	71g	-5960K
3/4" x 10	1 1/2"	1/2"	66g	-5980K
3/4" x 10	2"	5/8"	158g	-6120K
7/8" x 9	2"	5/8"	135g	-6140K
1" x 8	2"	5/8"	140g	-6160K

BSW (British Standard Whitworth) HSS Ground Thread Die Nuts

BSW HSS

BS 1127
For use with spanners to clean and repair existing external screw threads.



Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/8" x 40	0.71"	1/4"	13g	-6450K
3/16" x 24	0.71"	1/4"	11g	-6470K
1/4" x 20	0.71"	1/4"	10g	-6490K
5/16" x 18	0.82"	5/16"	16g	-6570K
3/8" x 16	0.92"	3/8"	25g	-6590K
7/16" x 14	1.01"	7/16"	35g	-6610K
1/2" x 12	1.10"	1/2"	44g	-6630K
5/8" x 11	1.30"	5/8"	78g	-6660K
3/4" x 10	1.48"	11/16"	102g	-6700K
1" x 8	2.05"	15/16"	265g	-6780K

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BSF (British Standard Fine) HSS Ground Thread Taps

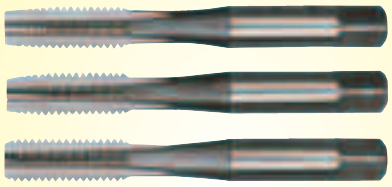
ISO 529

Left Hand Also Available



Sets of Three
1 each, taper, second and plug lead.

BSF HSS



Straight Flute Individual Sizes



Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
3/16" x 32	16.0	58.0	5.0	8g	-1600A	-1600B	-1600C
1/4" x 26	19.0	66.0	6.3	14g	-1610A	-1610B	-1610C
5/16" x 22	22.0	72.0	8.0	23g	-1630A	-1630B	-1630C
3/8" x 20	24.0	80.0	10.0	38g	-1640A	-1640B	-1640C
7/16" x 18	25.0	85.0	8.0	24g	-1650A	-1650B	-1650C
1/2" x 16	29.0	89.0	9.0	30g	-1660A	-1660B	-1660C
5/8" x 14	32.0	102.0	12.5	60g	-	-1680B	-1680C
3/4" x 12	37.0	112.0	14.0	85g	-1690A	-1690B	-1690C
7/8" x 11	38.0	118.0	16.0	187g	-1700A	-1700B	-1700C
1" x 10	45.0	130.0	18.0	266g	-1710A	-1710B	-
1 1/2" x 8	60.0	170.0	28.0	402g	-	-1740B	-1740C
1 3/4" x 7	67.0	187.0	31.5	603g	-1750A	-1750B	-1750C

Set of 3

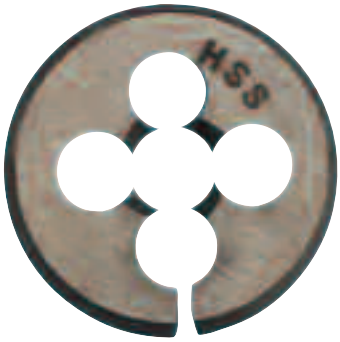
Square AF	Tap Drill Size	Order Code SHR-085	
4.00	4.00	-1600D	
5.00	5.30	-1610D	
6.30	6.80	-1630D	
8.00	8.30	-1640D	
6.30	9.70	-1650D	
7.10	11.10	-1660D	
10.00	14.00	-1680D	
11.20	15.50	-1690D	
12.50	19.75	-1700D	
14.00	22.75	-	-
22.40	34.50	-	-
25.00	40.50	-	-

BSF (British Standard Fine) HSS Ground Thread Dies

BSF HSS

BS 1127
For use in diestocks to produce external screw threads.

Group 518



Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
3/16" x 32	13/16"	1/4"	12g	-6950K
1/4" x 26	13/16"	1/4"	12g	-6980K
1/4" x 26	1"	3/8"	27g	-7020K
5/16" x 22	1"	3/8"	27g	-7030K
3/8" x 20	1"	3/8"	26g	-7040K
3/8" x 20	1 5/16"	7/16"	51g	-7100K
7/16" x 18	1 5/16"	7/16"	56g	-7110K
1/2" x 16	1 5/16"	7/16"	54g	-7120K
5/8" x 14	1 1/2"	1/2"	73g	-7250K

BSF (British Standard Fine) HSS Ground Thread Die Nuts

BSF HSS

BS 1127
For use with spanners to clean and repair existing external screw threads.



Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/4" x 26	0.71"	1/4"	10g	-7720K
3/8" x 20	0.92"	3/8"	24g	-7780K
1/2" x 16	1.10"	1/2"	48g	-7820K
5/8" x 14	1.30"	5/8"	78g	-7850K
3/4" x 12	1.48"	11/16"	108g	-7890K
7/8" x 11	1.67"	13/16"	149g	-7920K
1" x 10	2.05"	15/16"	274g	-7940K

BSF (British Standard Fine) HSS Ground Thread Taps

BSF HSS

ISO 529

Spiral Point/Gun Nose



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
3/16" x 32	5.0	4.0	8g	-1600E
1/4" x 26	6.3	5.0	15g	-1610E
5/16" x 22	8.0	6.3	23g	-1630E
3/8" x 20	10.0	8.0	40g	-1640E
7/16" x 18	8.0	6.3	35g	-1650E
1/2" x 16	9.0	7.1	54g	-1660E
9/16" x 16	11.2	9.0	70g	-1670E
5/8" x 14	12.5	10.0	100g	-1680E
3/4" x 12	14.0	11.2	143g	-1690E

BSF (British Standard Fine) HSS Ground Thread Taps

BSF HSS

ISO 529

Spiral Flute



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
3/16" x 32	5.0	4.0	8g	-1600F
1/4" x 26	6.3	5.0	15g	-1610F
5/16" x 22	8.0	6.3	23g	-1630F
3/8" x 20	10.0	8.0	40g	-1640F
7/16" x 18	8.0	6.3	40g	-1650F
1/2" x 16	9.0	7.1	50g	-1660F
5/8" x 14	12.5	10.0	99g	-1680F
3/4" x 12	14.0	11.2	120g	-1690F

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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BA (British Association) HSS Ground Thread Taps

ISO 529

Left Hand Also Available



ISO 529 - 1975 (E)

Nominal Dia. of Tap		Maximum Deviation on Thread Length
Over	Including	
-	5.5mm	+ 0.0 - 2.5
5.5mm	12.0mm	+ 0.0 - 3.2
12.0mm	39.0mm	+ 0.0 - 5.0
39.0mm	-	+ 0.0 - 6.5



Straight Flute Individual Sizes

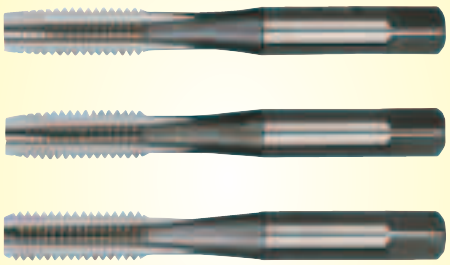




Size - Pitch	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
No.0 x 0.0394	6.30	14g	-1800A	-1800B	-1800C
No.2 x 0.0319	5.00	8g	-1820A	-1820B	-1820C
No.3 x 0.0287	4.50	7g	-1830A	-1830B	-1830C
No.4 x 0.0260	3.55	4g	-1840A	-1840B	-1840C
No.5 x 0.0232	3.15	4g	-1850A	-1850B	-1850C
No.6 x 0.0209	2.80	3g	-1860A	-1860B	-1860C
No.8 x 0.0169	2.80	3g	-1880A	-1880B	-1880C

Sets of Three
1 each, taper, second and plug lead.

BA HSS



Square AF	Tap Drill Size	Set of 3 Order Code SHR-085
5.00	5.10	-1800D
4.00	4.00	-1820D
3.55	3.40	-1830D
2.80	3.00	-1840D
2.50	2.65	-1850D
2.24	2.30	-1860D
2.24	1.80	-1880D

Spiral Point/Gun Nose

BA HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.0 x 0.0394	6.30	5.00	15g	-1800E
No.1 x 0.0354	5.60	4.50	11g	-1810E
No.2 x 0.0319	5.00	4.00	9g	-1820E
No.4 x 0.0260	3.55	2.80	4g	-1840E
No.5 x 0.0232	3.15	2.50	4g	-1850E
No.6 x 0.0209	2.80	2.24	3g	-1860E
No.8 x 0.0169	2.80	2.24	3g	-1880E

Spiral Flute

BA HSS



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
No.0 x 0.0394	6.30	5.00	14g	-1800F
No.2 x 0.0319	5.00	4.00	6g	-1820F
No.3 x 0.0287	4.50	3.55	5g	-1830F
No.4 x 0.0260	3.55	2.80	4g	-1840F
No.6 x 0.0209	2.80	2.24	3g	-1860F
No.8 x 0.0169	2.80	2.24	3g	-1880F

BA (British Association) HSS Ground Thread Dies

BA HSS

BS 1127
For use in diestocks to produce external screw threads.





Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
No.6	13/16"	1/4"	11g	-8200K
No.5	13/16"	1/4"	10g	-8210K
No.4	13/16"	1/4"	12g	-8220K
No.2	13/16"	1/4"	12g	-8240K
No.1	13/16"	1/4"	13g	-8250K

Sherwood STD

Spray
400ml foam aerosol penetrates and is able to cling to normally inaccessible areas and moving cutting edges.





Lubricant Type	Size	Order Code SHR-732
Spray	400ml	-4000K

Sherwood STD Liquid (Poly Bottle)
Low odour liquid. Coats the cutting edge with a film of EP additives.

Sherwood STD Compound
Low melting point paste maintains a continual lubricant feed to the cutting edge. Hand applied. Suitable for the most severe cutting



Lubricant Type	Size	Order Code SHR-732
Liquid	500ml	-4020K
Liquid	5ltr	-4060K
Compound	500g	-4040K

STD Tapping & Drilling Non-Soluble Foam Lubricant
Foam aerosol penetrates and is able to cling to normally inaccessible areas and moving cutting edges.
Can be used on yellow metals without the risk of staining.



Lubricant Type	Size	Order Code SHR-732
Foam	400ml	-4210K

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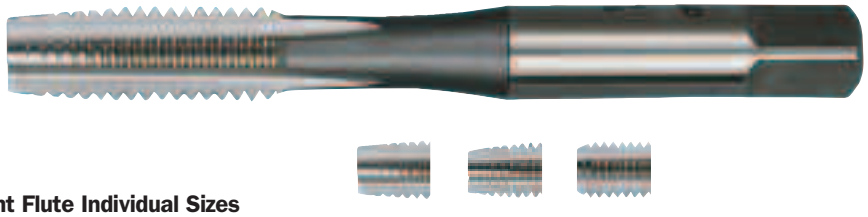
BSP(F) (British Standard Pipe Fitting) HSS Ground Thread Taps

ISO 529

Left Hand Also Available

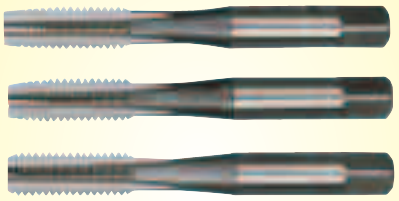
Sets of Three
1 each, taper, second and plug lead.

BSP HSS



Straight Flute Individual Sizes

Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
1/8" x 28	15.0	59.0	8.0	26g	-2010A	-2010B	-2010C
1/4" x 19	19.0	67.0	10.0	47g	-2020A	-2020B	-2020C
3/8" x 19	21.0	75.0	12.5	75g	-2030A	-2030B	-2030C
1/2" x 14	26.0	87.0	16.0	137g	-2040A	-2040B	-2040C
5/8" x 14	26.0	91.0	18.0	191g	-2050A	-2050B	-2050C
3/4" x 14	28.0	96.0	20.0	228g	-2060A	-2060B	-2060C
7/8" x 14	29.0	102.0	22.4	228g	-	-2070B	-
1" x 11	33.0	109.0	25.0	446g	-2080A	-2080B	-2080C
1 1/4" x 11	36.0	119.0	31.5	775g	-2090A	-2090B	-2090C
1 1/2" x 11	37.0	125.0	35.5	1024g	-2100A	-2100B	-2100C



Square AF	Tap Drill Size	Set of 3 Order Code SHR-085	
6.30	8.80	-2010D	
8.00	11.80	-2020D	
10.00	15.25	-2030D	
12.50	19.00	-2040D	
14.00	21.00	-2050D	
16.00	24.50	-2060D	
18.00	28.25	-	-
20.00	30.75	-2080D	
25.00	39.50	-2090D	
28.00	45.00	-2100D	

BSP(F) (British Standard Pipe Fine) HSS Ground Thread Taps

ISO 529

BSP HSS

Spiral Point/Gun Nose



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
1/8" x 28	8.0	6.3	24g	-2010E
1/4" x 19	10.0	8.0	51g	-2020E
3/8" x 19	12.5	10.0	85g	-2030E
1/2" x 14	16.0	12.5	143g	-2040E
3/4" x 14	20.0	16.0	250g	-2060E

BSP(F) (British Standard Pipe Fitting) HSS Ground Thread Taps

ISO 529

BSP HSS

Spiral Flute



Size - Pitch	Shank Dia.	A/F Square	Weight each	Order Code SHR-085
1/8" x 28	8.0	6.3	24g	-2010F
1/4" x 19	10.0	8.0	51g	-2020F
3/8" x 19	12.5	10.0	85g	-2030F
1/2" x 14	16.0	12.5	143g	-2040F
3/4" x 14	20.0	16.0	250g	-2060F

BSP(F) (British Standard Pipe Fitting) HSS Ground Thread Dies

BS 1127
For use in diestocks to produce external screw threads.

BSP HSS





Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
1/8" x 28	1"	3/8"	26g	-8620K
1/8" x 28	1 5/16"	7/16"	50g	-8640K
1/4" x 19	1 5/16"	7/16"	50g	-8650K
1/4" x 19	1 1/2"	1/2"	76g	-8690K
3/8" x 19	1 1/2"	1/2"	75g	-8700K
1/2" x 14	2"	5/8"	158g	-8760K
3/4" x 14	2"	5/8"	144g	-8780K
1" x 11	2 1/4"	11/16"	174g	-8860K

BSP(F) (British Standard Pipe Fitting) HSS Ground Thread Die Nuts

BS 1127
For use with spanners to clean and repair existing external screw threads.

BSP HSS





Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/8" x 28	0.92"	3/8"	23g	-8940K
1/4" x 19	1.10"	1/2"	43g	-8960K
3/8" x 19	1.30"	5/8"	80g	-8980K
1/2" x 14	1.67"	13/16"	161g	-9000K
3/4" x 14	2.05"	15/16"	247g	-9040K
1" x 11	2.58"	1 1/8"	428g	-9080K
1 1/4" x 11	2.76"	1 1/4"	619g	-9100K

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SHERWOOD QUALITY CUTTING TOOLS

BSP(F) Threading Set

NEW

BSP HSS

HSSGT Straight Flute Taps:

Taper: 1/8" x 28, 1/4" x 19, 3/8" x 19 and 1/2" x 14.

Second: 3/4" x 14.

Plug: 1/8" x 28, 1/4" x 19, 3/8" x 19 and 1/2" x 14.

Outside Diameter HSS Dies BSPF x 1 5/16": 1/8" x 28, 1/4" x 19 and 3/8" x 19.

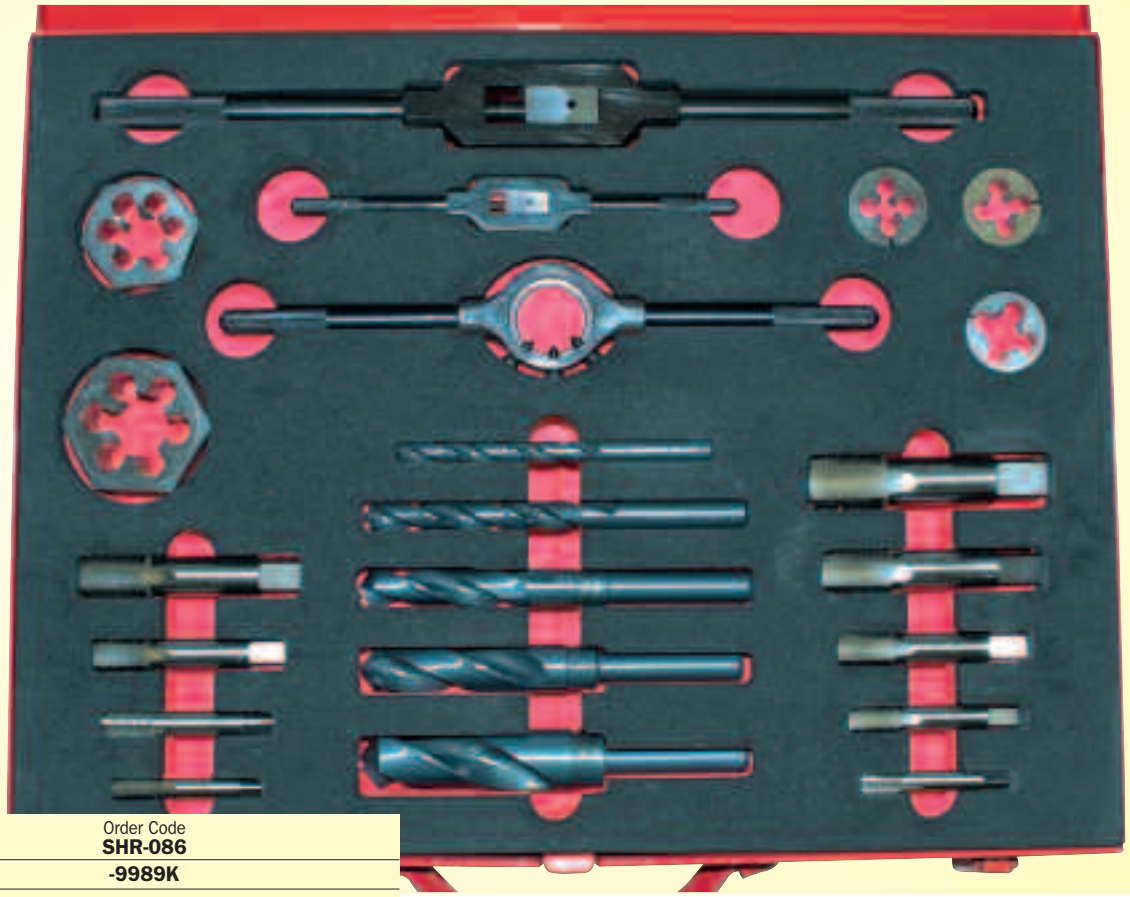
BSPF HSS Hexagon Die Nuts: 1/2" x 14 and 3/4" x 14.

HSS Straight Shank Jobber Drills: 8.80 and 11.80mm,

Parallel Shank Drills 1/2": 15.25, 19.00 and 24.50mm.

Holders: 1 5/16" outside diameter diestock.

Traditional Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".



22 PIECES

Range	Number of Pieces	Order Code SHR-086
1/16" - 3/4" BSPF	22	-9989K

BSPT (British Standard Pipe Taper) HSS Ground Thread Taps

BSPT HSS

Left Hand Also Available

ISO 529

Straight Flute





R = With Reamer
NR = Without Reamer

Size - Pitch	Thread Length	Shank Diameter	Overall Length	Weight each	Square AF	Tap Drill Size R	Tap Drill Size NR	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
1/8" x 28	15.0	8.0	59.0	29g	6.30	8.00	8.40	-	-	-2200C
1/4" x 19	19.0	10.0	67.0	50g	8.00	10.80	11.20	-	-	-2210C
3/8" x 19	21.0	12.5	75.0	66g	10.00	14.25	14.75	-	-	-2220C
1/2" x 14	26.0	16.0	87.0	142g	12.50	17.75	18.25	-	-	-2230C
3/4" x 14	28.0	20.0	96.0	241g	16.00	23.00	23.75	-	-	-2240C
1" x 11	33.0	25.0	109.0	267g	20.00	29.00	30.00	-	-	-2250C

BSPT (British Standard Pipe Taper) HSS Ground Thread Dies

BSPT HSS

ISO 2284

For use in diestocks to produce external screw threads.



Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
1/8" x 28	1"	3/8"	26g	-9150K
1/4" x 19	1 5/16"	7/16"	62g	-9170K
3/8" x 19	1 1/2"	1/2"	75g	-9200K
1/2" x 14	2"	5/8"	175g	-9230K

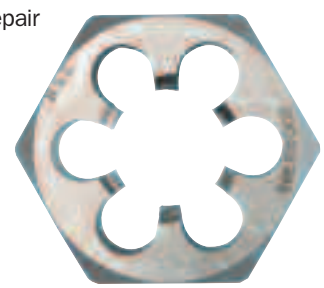
BSPT (British Standard Pipe Taper) HSS Ground Thread Die Nuts

BSPT HSS

BS 1127

For use with spanners to clean and repair existing external screw threads.





Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/4" x 19	1.10"	1/2"	43g	-9310K
3/8" x 19	1.30"	5/8"	80g	-9320K
1/2" x 14	1.67"	13/16"	142g	-9330K

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SHERWOOD QUALITY CUTTING TOOLS — NPT (National Pipe Taper) HSS Ground Thread Taps

ANSI 94.9

Straight Flute

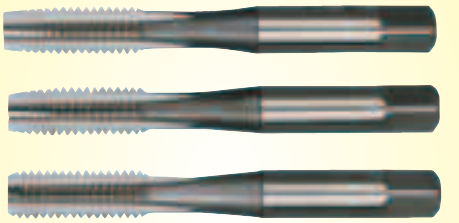
Left Hand Also Available

Sets of Three
1 each, taper, second and plug lead.

NPT HSS







R = With Reamer
NR = Without Reamer

Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Taper Order Code SHR-085	Second Order Code SHR-085	Plug Order Code SHR-085
1/16" x 27	11/16"	0.312	2 1/8"	20g	-	-	-3010C
1/8" x 27	3/4"	0.437	2 1/8"	50g	-	-	-3020C
1/4" x 18	11/16"	0.562	2 7/16"	70g	-	-	-3030C
3/8" x 18	11/16"	0.700	2 9/16"	100g	-	-	-3040C
1/2" x 14	1 3/8"	0.687	3 1/8"	180g	-	-	-3050C
3/4" x 14	1 3/8"	0.906	3 1/4"	230g	-	-	-3060C
1" x 11.5	1 3/4"	1.125	3 3/4"	420g	-	-	-3070C
1 1/2" x 11.5	1 3/4"	1.500	4 1/2"	420g	-	-	-3090C

Square AF	Tap Drill Size R	Tap Drill Size NR	Set of 3 Order Code SHR-085	
0.234	6.00	6.30	-	-
0.328	8.40	8.70	-	-
0.421	10.70	11.10	-3030D	
0.531	14.25	14.50	-3040D	
0.515	17.50	18.00	-	-
0.679	22.75	23.25	-	-
0.843	28.50	29.00	-3070D	
1.125	43.50	44.00	-	-

NPT (National Pipe Taper) HSS Ground Thread Die Nuts

NPT HSS

For use with spanners to clean and repair existing external screw threads.



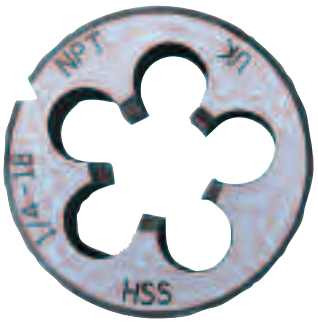


Size - Pitch	Width	Thickness	Weight each	Order Code SHR-086
1/4" x 18	1.10"	1/2"	51g	-9580K
3/8" x 18	1.50"	5/8"	67g	-9590K
1/2" x 14	1.67"	13/16"	147g	-9600K
3/4" x 14	2.05"	15/16"	225g	-9610K

NPT (National Pipe Taper) HSS Ground Thread Dies

NPT HSS

For use in diestocks to produce external screw threads.



Size - Pitch	Outside Diameter	Thickness	Weight each	Order Code SHR-086
1/8" x 27	1 5/16"	7/16"	44g	-9400K
1/4" x 18	1 5/16"	7/16"	69g	-9410K
1/4" x 18	1 1/2"	1/2"	88g	-9430K
3/8" x 18	1 1/2"	1/2"	80g	-9440K
1/2" x 14	2"	5/8"	159g	-9470K
3/4" x 14	2"	5/8"	189g	-9480K

Straight Flute Interrupted Thread

INTERRUPTED HSS

For reduced tapping friction.



Size - Pitch	Thread Length	Shank Diameter	Overall Length	Weight each	Order Code SHR-085
1/4" x 18	1 1/16"	0.562	2 7/16"	70g	-3220C
3/8" x 18	1 1/16"	0.700	2 9/16"	100g	-3230C
1/2" x 14	1 3/8"	0.687	3 1/8"	180g	-3240C

NPTF (National Pipe Taper Fuel) HSS Ground Thread Taps

NPTF HSS

ANSI 94.9

Straight Flute



Size - Pitch	Thread Length	Shank Diameter	Overall Length	Weight each	Order Code SHR-085
1/16" x 27	11/16"	0.312	2 1/8"	20g	-3400C
1/8" x 27	3/4"	0.437	2 1/8"	50g	-3410C
1/4" x 18	1 1/16"	0.562	2 7/16"	91g	-3420C
1/2" x 14	1 3/8"	0.687	3 1/8"	205g	-3440C

NPSF (National Pipe Standard Fuel) HSS Ground Thread Taps

NPSF HSS

ANSI 94.9

Straight Flute



Size - Pitch	Thread Length	Overall Length	Shank Diameter	Weight each	Order Code SHR-085
1/8" x 27	3/4"	2 1/8"	0.437	45g	-2910C
1/2" x 14	1 3/8"	3 1/8"	0.687		-2940C
3/4" x 14	1 3/8"	3 1/4"	0.906		-2950C
1" x 11.5	1 3/4"	3 3/4"	1.125		-2960C

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SENATOR QUALITY TOOLING

Metric Threading Set

HSS

Metric M3 - M12
Comprehensive threading set containing machine ground HSS Taps and Dies in a metal box.

Contents:
O/D Split Dies: M3, M4, M5, M6, M8, M10 and M12.

Ground Thread Taps (1 of each, taper, second and plug lead): M3, M4, M5, M6, M8, M10 and M12.

Bar Type Tap Wrench: M1 - M12 x 210mm.

Die Stock: 25 x 9 x 210mm.

Metric Thread Pitch Gauge.

Flat Bladed Screwdriver: 6mm.

32 PIECES



Range	Number of Pieces	Order Code SEN-086
M3 - M12	32	-9980K

Metric Threading Set

CARBON STEEL

NEW

Metric M3 - M12
32 piece set of machine ground carbon steel taps and dies supplied in a metal box. For general workshop and maintenance use only.

Contents:
O/D Split Dies: M3, M4, M5, M6, M8, M10 and M12.

Ground Thread Taps (1 of each, taper, second and plug lead): M3, M4, M5, M6, M8, M10 and M12.

Bar Type Tap Wrenches: M1 - M12 x 210mm.

Die Stock: 25 x 9 x 210mm.

Metric Thread Pitch Gauge.

Flat Bladed Screwdriver: 6mm.

32 PIECES



Range	Number of Pieces	Order Code SEN-086
M3 - M12	32	-3990K

SHERWOOD QUALITY CUTTING TOOLS

Metric Threading Set

M2 - M16:

METRIC COARSE HSS

HSS Ground Thread Taper and Second Taps:
M2 x 0.40, M3 x 0.50, M4 x 0.70, M5 x 0.80, M6 x 1.00, M8 x 1.25, M10 x 1.50 and M12 x 1.75.
Manufactured to **ISO 529**.

Bar Type Tap Wrenches: 1/16" - 1/4" and 3/16" - 1/2".

Tapping Drills to Suit: 1.6, 2.5, 3.3, 4.2, 5.0, 6.8, 8.5 and 10.2mm.
Made to **BS 328/DIN 338N**.

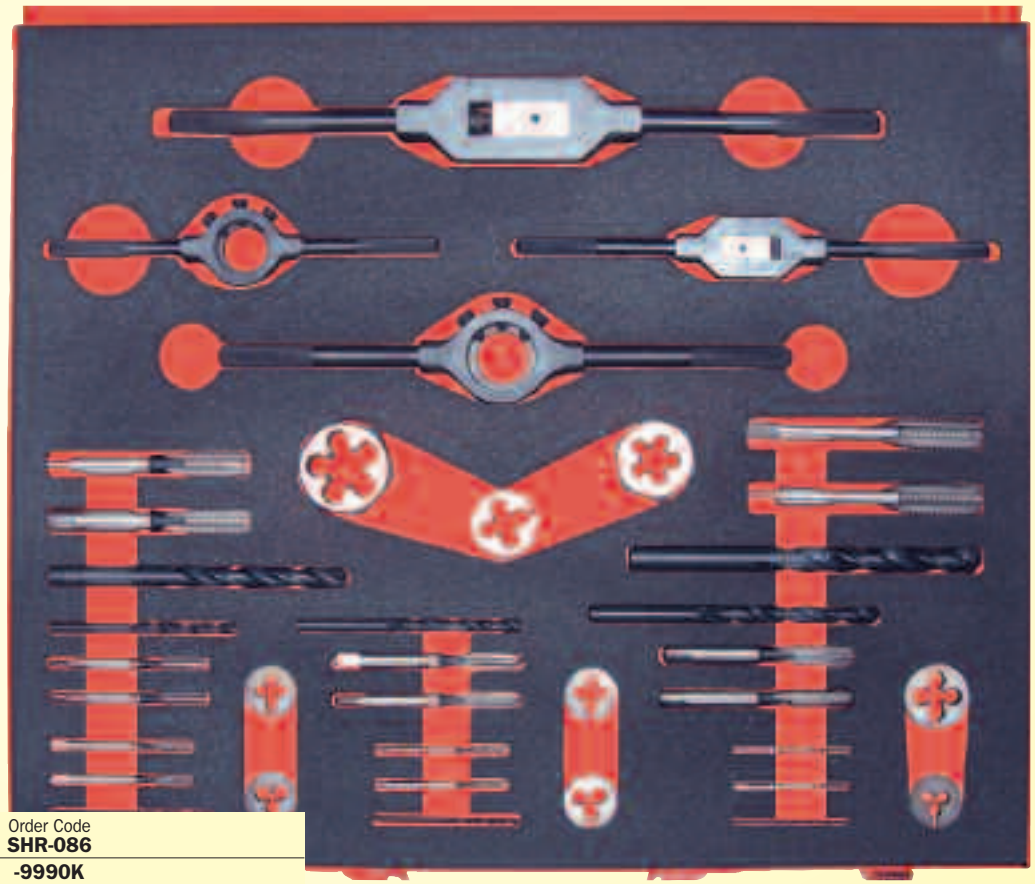
13/16" O/D Split Dies:
M2 x 0.40, M3 x 0.50, M4 x 0.70, M5 x 0.80 and M6 x 1.00.

1" O/D Split Dies:
M8 x 1.25 and M10 x 1.50.
Manufactured to **BS 1127**.

Diestocks: 13/16" O/D and 1" O/D.

HSS Die Nuts: M12 x 1.75 and M16 x 2.00.
Manufactured to **BS 1127**.

37 PIECES



Range	Number of Pieces	Order Code SHR-086
M2 - M16	37	-9990K

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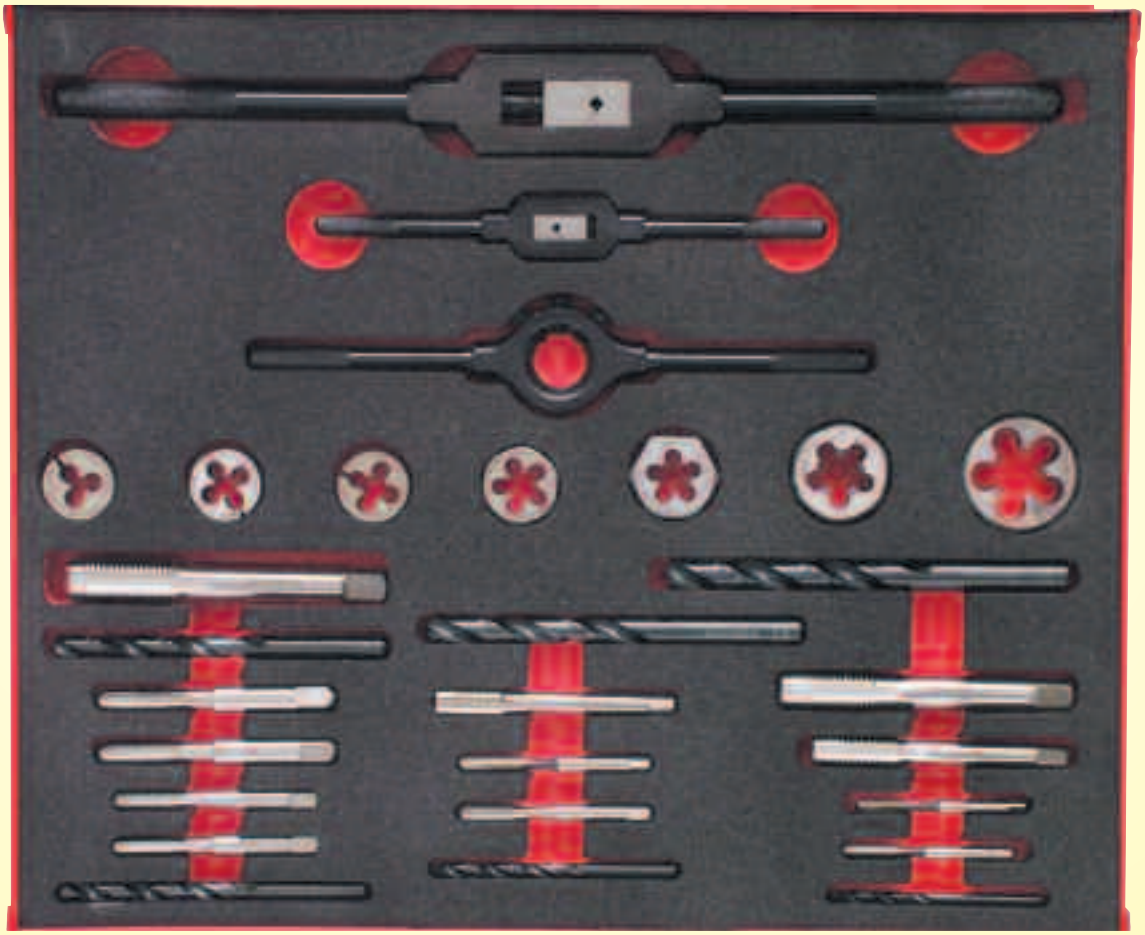
SHERWOOD QUALITY CUTTING TOOLS

Threading Sets

HSS

EXTENDED RANGE



UNC, UNF, BSW, BSF and BSP(F) Sets

UNC Threading Set

UNC

28 PIECES

No.10 - 3/4" UNC:

HSSGT Straight Flute Taps:

Taper: No. 10 x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.

Second: 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.

Plug: No.10 x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.

Bar Type Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".

Tapping Drills to suit: HSS S/S.
3.90, 5.10, 6.60, 8.00, 9.40, 10.80mm

HSS 1" O/D Dies: 1/4" x 20, 5/16" x 18, 3/8" x 16.

Diestock: 1" O/D.

HSS Die Nuts: 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.

Range	Number of Pieces	Order Code SHR-086
10 - 3/4"UNC	28	-9994K

BSW Threading Set

BSW

28 PIECES

3/16" - 3/4" BSW:

HSSGT Straight Flute Taps:

Taper: 3/16" x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.

Second: 7/16" x 14, 1/2" x 12, 5/8" x 11, 3/4" x 10.

Plug: 3/8" x 16, 5/16" x 18, 1/4" x 20, 3/16" x 24.

Bar Type Tap Wrenches: 1/4" - 3/4" and 1/16" - 1/4".

Tapping Drills to Suit: HSS S/S.
3.70, 5.10, 6.50, 7.90, 9.30, 10.50mm

HSS 1" O/D Dies: 1/4" x 2, 5/16" x 18 and 3/8" x 16.

Diestock: 1" O/D.

HSS Die Nuts: 7/16" x 14, 1/2" x 12, 5/8" x 11 and 3/4" x 10.

Range	Number of Pieces	Order Code SHR-086
3/16 - 3/4"BSW	28	-9992K

UNF Threading Set

UNF

28 PIECES

No.10 - 3/4" UNF:

HSSGT Straight Flute Taps:

Taper: No.10 x 32, 1/4" x 28, 5/16" x 24, and 3/8" x 24.

Second: 3/4" x 16, 7/16" x 20, 5/8" x 18 and 1/2" x 20.

Plug: No.10 x 32, 1/4" x 28, 5/16" x 24 and 3/8" x 24.

Bar Type Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".

Tapping Drills to Suit: HSS S/S.
4.10, 5.50, 6.90, 8.50, 9.50 and 11.50mm.

HSS 1" O/D Dies: 1/4" x 28, 5/16" x 24 and 3/8" x 24.

Diestock: 1" O/D.

HSS Die Nuts: 7/16" x 20, 1/2" x 20, 5/8" x 18 and 3/4" x 16.

Range	Number of Pieces	Order Code SHR-086
10 - 3/4" UNF	28	-9993K

BSF Threading Set

BSF

28 PIECES

3/16" - 3/4" BSF:

HSSGT Straight Flute Taps:

Taper: 3/16" x 32, 1/4" x 26, 5/16" x 22 and 3/8" x 20.

Second: 3/4" x 12, 7/16" x 18, 5/8" x 14 and 1/2" x 16.

Plug: 3/16" x 32, 1/4" x 26, 5/16" x 22 and 3/8" x 20.

Bar Type Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".

Tapping Drills to Suit: HSS S/S.
4.00, 5.30, 6.80, 8.30, 9.70 and 11.10mm.

HSS 1" O/D Split Dies: 1/4" x 26, 5/16" x 22 and 3/8" x 20.

Diestock: 1" O/D.

HSS Die Nuts: 7/16" x 18, 1/2" x 16, 5/8" x 14 and 3/4" x 12.

Range	Number of Pieces	Order Code SHR-086
3/16 - 3/4" BSF	28	-9991K

BSP(F) Threading Set

BSP

22 PIECES

HSSGT Straight Flute Taps:

Taper: 1/8" x 28, 1/4" x 19, 3/8" x 19 and 1/2" x 14.

Second: 3/4" x 14.

Plug: 1/8" x 28, 1/4" x 19, 3/8" x 19 and 1/2" x 14.

Outside Diameter HSS Dies BSPF x 1 5/16": 1/8" x 28, 1/4" x 19 and 3/8" x 19.

BSPF HSS Hexagon Die Nuts: 1/2" x 14 and 3/4" x 14.

HSS Straight Shank Jobber Drills: 8.80 and 11.80mm,

Parallel Shank Drills 1/2": 15.25, 19.00 and 24.50mm.

Holders: 1 5/16" outside diameter diestock.

Traditional Tap Wrenches: 1/16" - 1/4" and 1/4" - 3/4".

Range	Number of Pieces	Order Code SHR-086
1/16" - 3/4" BSPF	22	-9989K

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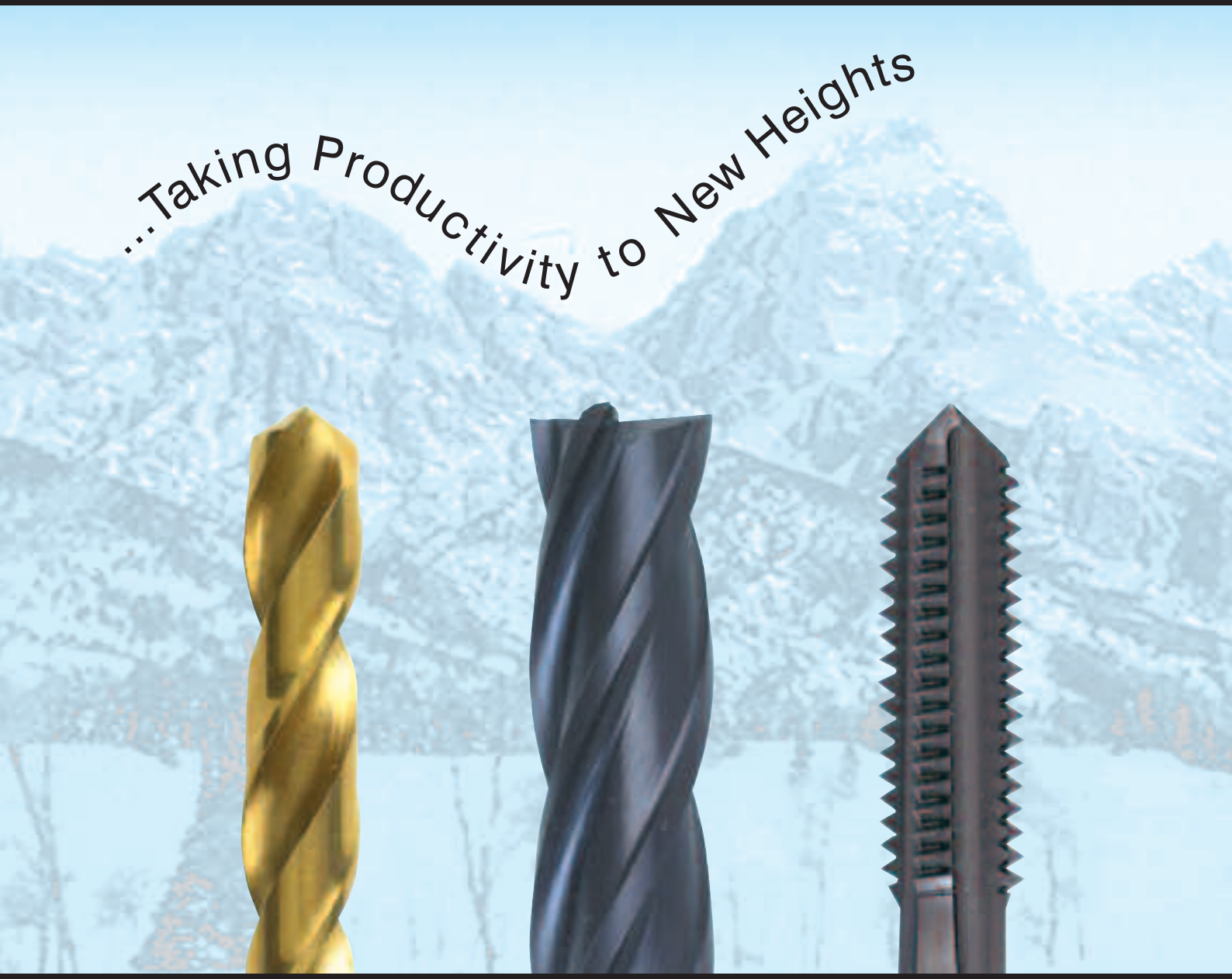
SWISS+TECH

High Performance as Standard . . .



Cutting Tools For Production Industry

Drills - Milling Cutters - Taps

CUTTING TOOLS

SWISS+TECH HSS-E 'Black Ring' Taps

MULTI APPLICATION

The tool geometry (with up to 138 parameters) has been developed and optimised during long-term tests in co operation with users for the different sections of structural steel, aluminum casting, machining steel, VA steels, heat-resistant steels and tool steels. Selected hard coatings increase the range of applications.
The objective of developing Swiss+Tech's 'Black Ring' Taps was the realisation of narrower tolerances and more efficient cutting times for the thread production.
The unique general purpose properties of these taps guarantee high productivity by reducing the amount of time spent changing taps for different materials and at the same time reduces the number of taps required by the machine shop.
Swiss+Tech 'Black Ring' machine taps with their wide range of applications are the result of years of experience in metal cutting. Responsible for our developments were the following demands from our main customers:

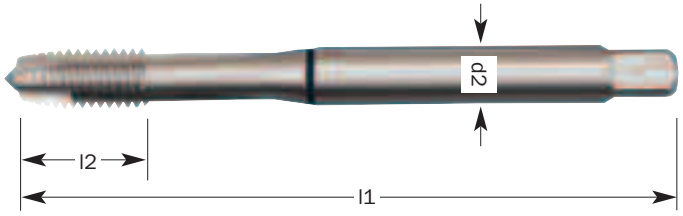
- Increase of a tap's versatility.
- Reducing the confusing type variety.
- Reducing the storage costs for the tools.
- Reducing the tool changing times.

For general tapping applications. For production tapping of specific materials a specialist tap may be more suitable.
Manufactured to **DIN 371/376.**

Suitable for the following Material Groups

DIN 371/6

Group	Materials Colour defines similar machineability	Hardness Brinell HB	Hardness Rockwell HRC	Tensile Strength N/mm²	Tapping Speed M/min
1.1	Mild Steel	<130	-	<400	10 - 15
1.2	Case Hardening & Structural Steel	<200	-	<700	10 - 15
1.3	Medium Carbon Steel	<260	<26	<850	5 - 10
1.4	Low Alloy Steel	<260	<26	<850	4 - 8
2.1	Free Machining Stainless	<230	<20	<800	2 - 5
2.2	Medium Strength Austenitic Stainless	<260	<26	<850	2 - 5
7.1	Unalloyed Aluminium Zinc - Magnesium	-	-	<150	15 - 20
7.2	Aluminium Alloy less than 5% Si	-	-	150 - 300	15 - 20
7.3	Aluminium Alloy 5% to 10% Si	<230	<20	<800	5 - 10



Spiral Point/Gun Nose - HSS-E Bright Finish

SPIRAL POINT FOR THROUGH HOLES | HSS-E | METRIC

For through holes.
Taper lead to **DIN form B**. Tapping tolerance to **6H**.



ISO Metric

Size - Pitch (mm)	(d2) Shank Dia.	A/F Square	(l1) Overall Length	(l2) Thread Length	Weight each	Order Code SWT-185
M3 x 0.50	3.5	2.7	56	2.5	5g	**-8509X**
M4 x 0.70	4.5	3.4	63	3.3	8g	**-8515X**
M5 x 0.80	6.0	4.9	70	4.2	14g	**-8518X**
M6 x 1.00	6.0	4.9	80	5.0	18g	**-8521X**
M8 x 1.25	8.0	6.2	90	6.8	33g	**-8527X**
M10 x 1.50	10.0	8.0	100	8.5	56g	**-8530X**
M12 x 1.75	9.0	7.0	110	10.2	61g	**-8533X**
M16 x 2.00	12.0	9.0	110	14.0	100g	**-8539X**
M20 x 2.50	16.0	12.0	140	17.5	210g	**-8542X**

Spiral Flute

SPIRAL FLUTE FOR BLIND HOLES | HSS-E | METRIC

For blind holes.
Taper lead to **DIN form C**.
Tapping tolerance to **6H**.



ISO Metric

Size - Pitch (mm)	(d2) Shank Dia.	A/F Square	(l1) Overall Length	(l2) Thread Length	Weight each	Order Code SWT-185
M3 x 0.50	3.5	2.7	56	2.5	5g	**-8559X**
M4 x 0.70	4.5	3.4	63	3.3	8g	**-8565X**
M5 x 0.80	6.0	4.9	70	4.2	14g	**-8568X**
M6 x 1.00	6.0	4.9	80	5.0	17g	**-8571X**
M8 x 1.25	8.0	6.2	90	6.8	31g	**-8577X**
M10 x 1.50	10.0	8.0	100	8.5	53g	**-8580X**
M12 x 1.75	9.0	7.0	110	10.2	57g	**-8583X**
M16 x 2.00	12.0	9.0	110	14.0	91g	**-8589X**
M20 x 2.50	16.0	12.0	140	17.5	195g	**-8592X**

Spiral Point Long Series

SPIRAL FLUTE FOR BLIND HOLES | HSS-E | METRIC

For blind holes.
Taper lead to **DIN 13 form B**
(with gun nose chamber lead 4/5 thread)
Tapping tolerance to **6H**.
Thread angle 60°

NEW



ISO Metric

Size - Pitch (mm)	(d2) Shank Dia.	A/F Square	(l1) Overall Length	(l2) Thread Length	Weight each	Order Code SWT-185
M6 x 1.00	6.0	4.9	160	17.0	30g	**-9806X**
M8 x 1.25	6.0	4.9	180	20.0	60g	**-9808X**
M10 x 1.50	7.0	5.5	200	22.0	100g	**-9810X**
M12 x 1.75	9.0	7.0	220	24.0	200g	**-9812X**

HSS-E 'Black Ring' M3 - M8 5 Piece Tap Sets

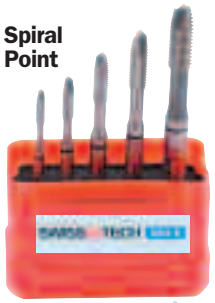
'Black Ring' machine taps for general tapping applications suitable for steels, low alloy steels, stainless steels and non-ferrous materials.

Manufactured to **DIN371/376**.
Tapping tolerance to **6H**.

M3 - M8 Spiral Point/Gun Nose
Spiral Point/Gun Nose - HSS-E Bright Finish
For through holes. Taper lead to **DIN form B**.

M3 - M8 Spiral Flute
Spiral Flute - HSS-E Bright Finish
For blind holes. Taper lead to **DIN form C**.

Spiral Point



Spiral Flute



Contents for each set:

Pitch sizes	Thread length
M3 x 0.5mm	2.5mm
M4 x 0.7mm	3.3mm
M5 x 0.8mm	4.2mm
M6 x 1.0mm	5.0mm
M8 x 1.25mm	6.8mm

5 PIECES

Type	Number of Pieces	Order Code SWT-185
Spiral Point	5	**-9900X**
Spiral Flute	5	**-9910X**

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SWISS+TECH HSS 'Yellow Ring' Taps

DIN 371/6

Manufactured to **DIN 371/376**

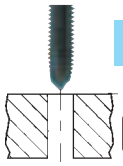
Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
1.1	Mild soft steel & free machining non-alloy low carbon steel	up to 130	up to 400	10 - 20
1.2	Non-alloy case hardening, structural & low to medium carbon steel	up to 200	up to 700	10 - 15
1.3	Non-alloy, plain and medium carbon steel and castings	up to 260	up to 850	5 - 10
1.4	Generally low to medium alloy steel and castings	up to 260	up to 850	4 - 9
2.1	Soft & generally easy to machine ferritic, martensitic stainless steel & castings	up to 230	up to 880	4 - 6
6.3	Brass (beta - short chip) & soft bronze	-	up to 500	15 - 20

Spiral Point/Gun Nose - HSS-EV Oxidised Finish
For through holes.
Taper lead to **DIN form B**.
(3.5 x P to 5.5 x P).
Tapping tolerance to **6H**.

HSS-EV

SPIRAL POINT FOR THROUGH HOLES

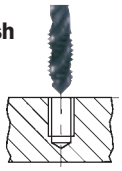




Spiral Flute - HSS-EV Oxidised Finish
For blind holes.
Taper lead to **DIN form C** (3 x P).
Tapping tolerance:
Spiral flute to **6H**.

HSS-EV

SPIRAL FLUTE FOR BLIND HOLES





ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-0003Y**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-0009Y**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-0015Y**
M5.0 x 0.80	70.0	15.0	6.0	4.9	13g	**-0018Y**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-0021Y**
M8.0 x 1.25	90.0	20.0	8.0	6.0	32g	**-0027Y**
M10.0 x 1.50	100.0	22.0	10.0	8.0	55g	**-0030Y**
M12.0 x 1.75	110.0	24.0	9.0	7.0	61g	**-0033Y**
M16.0 x 2.00	110.0	27.0	12.0	9.0	108g	**-0039Y**

ISO Metric Coarse
Helix angle 40°. Tapping depth **2.5 x D.**

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	5g	**-0503Y**
M3.0 x 0.50	56.0	6.0	3.5	2.7	5g	**-0509Y**
M4.0 x 0.70	63.0	7.0	4.5	3.4	8g	**-0515Y**
M5.0 x 0.80	70.0	8.0	6.0	4.9	13g	**-0518Y**
M6.0 x 1.00	80.0	10.0	6.0	4.9	16g	**-0521Y**
M8.0 x 1.25	90.0	13.0	8.0	6.2	30g	**-0527Y**
M10.0 x 1.50	100.0	15.0	10.0	8.0	45g	**-0530Y**
M12.0 x 1.75	110.0	18.0	9.0	7.0	56g	**-0533Y**
M16.0 x 2.00	110.0	20.0	12.0	9.0	95g	**-0539Y**

BSP - British Standard Pipe
DIN 5156



Size - Pitch	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
1/8" x 28	90.0	20.0	7.0	5.5	16g	**-0902Y**
1/4" x 19	100.0	22.0	11.0	9.0	48g	**-0904Y**
3/8" x 19	100.0	22.0	12.0	9.0	69g	**-0906Y**

BSP - British Standard Pipe Bright Finish
DIN 5156



Size - Pitch	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
1/8" x 28	90.0	20.0	7.0	5.5	16g	**-0932Y**
1/4" x 19	100.0	22.0	11.0	9.0	48g	**-0934Y**
3/8" x 19	100.0	22.0	12.0	9.0	69g	**-0936Y**
1/2" x 14	125.0	25.0	16.0	12.0	152g	**-0938Y**

HSS 'Red Ring' Taps

DIN 371/6

Manufactured to **DIN 371/376**

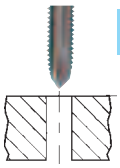
Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
1.4	Generally low to medium alloy steel and castings	up to 260	up to 850	5 - 10
1.5	Medium to high alloy steel	up to 340	up to 1200	4 - 8

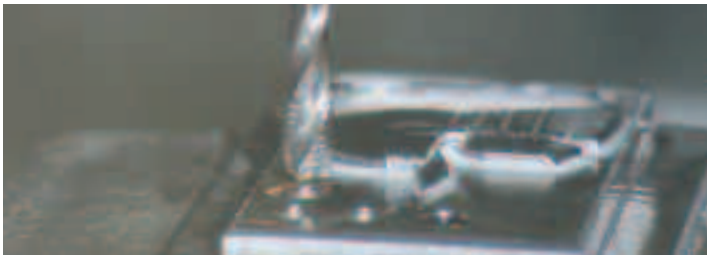
Spiral Point/Gun Nose - HSS-Co Bright Finish
For through holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.

HSS-Co

SPIRAL POINT FOR THROUGH HOLES



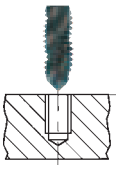




Spiral Flute - HSS-EV Oxidised Finish
For blind holes.
Taper lead to **DIN form C** (3 x P).
Tapping tolerance:
spiral flute to **6H**.

HSS-EV

SPIRAL FLUTE FOR BLIND HOLES





ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-1003R**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-1009R**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-1015R**
M5.0 x 0.80	70.0	15.0	6.0	4.9	13g	**-1018R**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-1021R**
M8.0 x 1.25	90.0	20.0	8.0	6.2	32g	**-1027R**
M10.0 x 1.50	100.0	22.0	10.0	8.0	58g	**-1030R**
M12.0 x 1.75	110.0	24.0	9.0	7.0	61g	**-1033R**
M16.0 x 2.00	110.0	27.0	12.0	9.0	108g	**-1039R**

ISO Metric Coarse
Helix angle 40°. Tapping depth 2.5 x D.

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	3.0	2.8	2.1	5g	**-1503R**
M3.0 x 0.50	56.0	6.0	3.5	2.7	5g	**-1509R**
M4.0 x 0.70	63.0	7.0	4.5	3.4	8g	**-1515R**
M5.0 x 0.80	70.0	8.0	6.0	4.9	13g	**-1518R**
M6.0 x 1.00	80.0	10.0	6.0	4.9	16g	**-1521R**
M8.0 x 1.25	90.0	13.0	8.0	6.2	30g	**-1527R**
M10.0 x 1.50	100.0	15.0	10.0	8.0	45g	**-1530R**
M12.0 x 1.75	110.0	18.0	9.0	7.0	56g	**-1533R**
M16.0 x 2.00	110.0	20.0	12.0	9.0	95g	**-1539R**

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CUTTING TOOLS

SWISS+TECH HSS 'Blue Ring' Taps

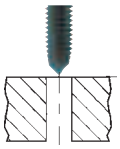
Manufactured to **DIN 371/376**

Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
2.1	Soft and generally easy to machine ferritic & martensitic stainless steel and castings	up to 230	up to 800	4 - 6
2.2	Medium strength & reasonable to machine austenitic stainless steel and castings	up to 290	up to 1000	4 - 6
2.3	Hard & generally difficult to machine ferritic & austenitic stainless steel & castings	up to 340	up to 1200	3 - 6

Note: Fluteless taps may also be used on stainless steel. See 'Green Ring' **FLUTELESS** on page .

Spiral Point/Gun Nose - HSS-EV Oxidised Finish
For through holes.
Taper lead to **DIN form B** (3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.



HSS-EV

SPIRAL POINT FOR THROUGH HOLES

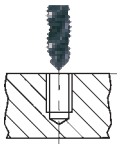


ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-2003B**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-2009B**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-2015B**
M5.0 x 0.80	70.0	15.0	6.0	4.9	13g	**-2018B**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-2021B**
M8.0 x 1.25	90.0	20.0	8.0	6.0	32g	**-2027B**
M10.0 x 1.50	100.0	22.0	10.0	8.0	55g	**-2030B**
M12.0 x 1.75	110.0	24.0	9.0	7.0	61g	**-2033B**
M16.0 x 2.00	110.0	27.0	12.0	9.0	108g	**-2039B**

Spiral Flute (BLT) - HSS-EV Oxidised Finish
For deep blind holes.
Taper lead to **DIN form C** (2 x P to 3 x P).
Tapping tolerance to **6H**.

DIN 371/6



HSS-EV

SPIRAL FLUTE FOR BLIND HOLES



'Biteless Taper' ISO Metric Coarse
Helix angle 45°

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	5g	**-2503B**
M3.0 x 0.50	56.0	6.0	3.5	2.7	5g	**-2509B**
M4.0 x 0.70	63.0	7.0	4.5	3.4	8g	**-2515B**
M5.0 x 0.80	70.0	8.0	6.0	4.9	13g	**-2518B**
M6.0 x 1.00	80.0	11.0	6.0	4.9	16g	**-2521B**
M8.0 x 1.25	90.0	13.0	8.0	6.2	30g	**-2527B**
M10.0 x 1.50	100.0	15.0	10.0	8.0	45g	**-2530B**
M12.0 x 1.75	110.0	18.0	9.0	7.0	56g	**-2533B**
M16.0 x 2.00	110.0	20.0	12.0	9.0	95g	**-2539B**

Spiral Flute (BLF) - HSS-EV Oxidised Finish
For shorter blind holes. Taper lead to **DIN form C** (3 x P).
Tapping tolerance to **6H**.

'Biteless Flat' ISO Metric Coarse
Helix angle 45°.

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M3.0 x 0.50	56.0	6.0	3.5	2.7	5g	**-3009B**
M4.0 x 0.70	63.0	7.0	4.5	3.4	8g	**-3015B**
M5.0 x 0.80	70.0	8.0	6.0	4.9	13g	**-3018B**
M6.0 x 1.00	80.0	11.0	6.0	4.9	16g	**-3021B**
M8.0 x 1.25	90.0	13.0	8.0	6.2	30g	**-3027B**
M10.0 x 1.50	100.0	15.0	10.0	8.0	45g	**-3030B**
M12.0 x 1.75	110.0	18.0	9.0	7.0	56g	**-3033B**
M16.0 x 2.00	110.0	20.0	12.0	9.0	95g	**-3039B**

HSS 'White Ring' Taps

HSS-EV

Manufactured to **DIN 371/376**

Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
3.1	Grey cast iron Hardness soft to medium	up to 130	up to 400	8 - 12
3.2	Grey cast iron Hardness medium to hard	up to 200	up to 700	4 - 6

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
3.3	Malleable and nodular irons Hardness soft to medium	up to 220	up to 850	4 - 6
3.4	Malleable and nodular irons Hardness medium to hard	up to 300	up to 700	4 - 6

Straight Flute - HSS-EV Nitride Finish
For through holes. Taper lead to **DIN form D** (taper) (3.5 x P to 5 x P).
Tapping tolerance to **6HX**.

STRAIGHT FLUTE FOR THROUGH HOLES

METRIC COARSE



ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	14g	**-3503W**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-3509W**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-3515W**
M5.0 x 0.80	70.0	16.0	6.0	4.9	13g	**-3518W**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-3521W**
M8.0 x 1.25	90.0	22.0	8.0	6.2	32g	**-3527W**
M10.0 x 1.50	100.0	24.0	10.0	8.0	55g	**-3530W**
M12.0 x 1.75	110.0	29.0	9.0	7.0	61g	**-3533W**

Straight Flute - HSS-EV Nitride Finish
For blind holes. Plug/bottoming lead to **DIN form C** (2 x P to 3 x P).
Tapping tolerance to **6HX**.

STRAIGHT FLUTE FOR BLIND HOLES

METRIC COARSE



ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-4003W**
M2.5 x 0.45	50.0	9.0	2.8	2.1	4g	**-4006W**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-4009W**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-4015W**
M5.0 x 0.80	70.0	16.0	6.0	4.9	13g	**-4018W**
M6.0 x 1.00	80.0	19.0	6.0	4.9	17g	**-4021W**
M8.0 x 1.25	90.0	22.0	8.0	6.2	32g	**-4027W**
M10.0 x 1.50	100.0	24.0	10.0	8.0	58g	**-4030W**
M12.0 x 1.75	110.0	29.0	9.0	7.0	61g	**-4033W**
M16.0 x 2.00	110.0	32.0	12.0	9.0	108g	**-4039W**

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DIN 371/6

HSS-PM

SWISS+TECH HSS 'Purple Ring' Taps

Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
4.1	Titanium alloy (also pure nickel)	-		3 - 9

Right Hand Cutting - Left Hand Spiral Flute - HSS-PM Nitride Finish
For through holes. Left hand spiral.
Taper lead to **DIN form D** (3.5 x P to 5 x P).
Tapping tolerance to **6HX**.

LEFT HAND SPIRAL FLUTE FOR THROUGH HOLES

METRIC COARSE



ISO Metric Coarse Helix angle 15°.

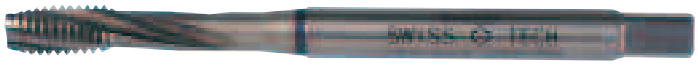
Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-4509P**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-4515P**
M5.0 x 0.80	70.0	16.0	6.0	4.9	14g	**-4518P**
M6.0 x 1.00	80.0	19.0	6.0	4.9	17g	**-4521P**
M8.0 x 1.25	90.0	22.0	8.0	6.2	32g	**-4527P**
M10.0 x 1.50	100.0	24.0	10.0	8.0	55g	**-4530P**
M12.0 x 1.75	110.0	29.0	9.0	7.0	63g	**-4533P**
M16.0 x 2.00	110.0	32.0	12.0	9.0	111g	**-4539P**

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
4.2	Titanium alloy medium and hard to machine	-	up to 900	6 - 9
4.3	Titanium alloys of a hard and very hard to machine nature	-	up to 1200	6 - 9

Spiral Flute - HSS-PM Nitride Finish
For blind holes. Taper lead to **DIN form B** (3 x P). Tapping tolerance to **6HX**.

SPIRAL FLUTE FOR BLIND HOLES

METRIC COARSE



ISO Metric Coarse Helix angle 15°. Tapping depth 2.5 x D.

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M3.0 x 0.50	56.0	5.0	3.5	2.7	5g	**-5009P**
M4.0 x 0.70	63.0	7.0	4.5	3.4	8g	**-5015P**
M5.0 x 0.80	70.0	9.0	6.0	4.9	14g	**-5018P**
M6.0 x 1.00	80.0	11.0	6.0	4.9	17g	**-5021P**
M8.0 x 1.25	90.0	12.0	8.0	6.2	32g	**-5027P**
M10.0 x 1.50	100.0	13.0	10.0	8.0	55g	**-5030P**
M12.0 x 1.75	110.0	15.0	9.0	7.0	63g	**-5033P**

HSS 'Orange Ring' Taps

HSS-PM

Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
4.3	Titanium alloys of a hard and very hard to machine nature	-	up to 1250	3 - 6
5.1	Heat resistant super alloys including iron based high temperature alloys	-	up to 500	6 - 6

Spiral Point/Gun Nose - HSS-PM Nitride & Oxide Finish
For through holes.
Taper lead to **DIN form B** (3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.

SPIRAL POINT FOR THROUGH HOLES

METRIC COARSE



ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-5509N**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-5515N**
M5.0 x 0.80	70.0	16.0	6.0	4.9	13g	**-5518N**
M6.0 x 1.00	80.0	19.0	6.0	4.9	17g	**-5521N**
M8.0 x 1.25	90.0	22.0	8.0	6.2	32g	**-5527N**
M10.0 x 1.50	100.0	24.0	10.0	8.0	55g	**-5530N**
M12.0 x 1.75	110.0	29.0	9.0	7.0	61g	**-5533N**
M16.0 x 2.00	110.0	32.0	12.0	9.0	108g	**-5539N**

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
5.2	Heat resistant super alloys, cobalt or nickel based medium to hard to machine	-	up to 900	3 - 6
5.3	Heat resistant super alloys, cobalt or nickel based hard to very hard to machine	-	up to 1200	3 - 6

Spiral Flute - HSS-PM Nitride & Oxide Finish
For blind holes. **Taper lead to DIN form C.**
This tap has the special chamfer lead of (3 x P).
Tapping tolerance: spiral flute to **6H.**

SPIRAL FLUTE FOR BLIND HOLES

METRIC COARSE



ISO Metric Coarse Helix angle 40°. Tapping depth 2.5 x D.

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M3.0 x 0.50	56.0	5.0	3.5	2.7	5g	**-6009N**
M4.0 x 0.70	63.0	7.0	4.5	3.4	9g	**-6015N**
M5.0 x 0.80	70.0	9.0	6.0	4.9	13g	**-6018N**
M6.0 x 1.00	80.0	11.0	6.0	4.9	16g	**-6021N**
M8.0 x 1.25	90.0	12.0	8.0	6.2	30g	**-6027N**
M10.0 x 1.50	100.0	13.0	10.0	8.0	51g	**-6030N**
M12.0 x 1.75	110.0	15.0	9.0	7.0	56g	**-6033N**
M14.0 x 2.00	110.0	18.0	11.0	9.0	63g	**-6036N**
M16.0 x 2.00	110.0	18.0	12.0	9.0	95g	**-6039N**

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GROUP 085

PRODUCTION TAPS

SWISS+TECH HSS 'Green Ring' Taps

DIN 371/6

HSS-EV

Manufactured to **DIN 371/376**

Suitable for the following Material Groups

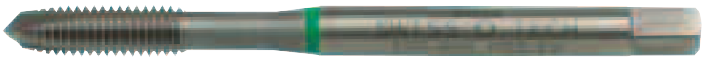
Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
7.1	Unalloyed aluminium, magnesium and zinc	-	up to 150	20 - 30
7.2	Aluminium alloy less than 5% silicon magnesium & zinc alloys (long chip)	-	up to 1200	20 - 30

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
7.3	Aluminium alloy 5% to 10% silicon	-	up to 500	15 - 20
7.4	Aluminium alloy 5% to 10% silicon	-	up to 500	15 - 20

Spiral Point/Gun Nose - HSS-EV Nitride Finish
For through holes. Taper lead to **DIN form B** (3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.

SPIRAL POINT FOR THROUGH HOLES

METRIC COARSE



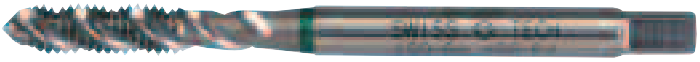
ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-6503G**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-6509G**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-6515G**
M5.0 x 0.80	70.0	16.0	6.0	4.9	13g	**-6518G**
M6.0 x 1.00	80.0	19.0	6.0	4.9	17g	**-6521G**
M8.0 x 1.25	90.0	22.0	8.0	6.2	32g	**-6527G**
M10.0 x 1.50	100.0	24.0	10.0	8.0	58g	**-6530G**
M12.0 x 1.75	110.0	29.0	9.0	7.0	61g	**-6533G**

Spiral Flute - HSS-EV Nitride Finish
For blind holes. Taper lead to **DIN form C** (2 x P to 3 x P). Tapping tolerance to **6H**.

SPIRAL FLUTE FOR BLIND HOLES

METRIC COARSE



ISO Metric Coarse Helix angle 45°. Tapping depth 2.5 x D.

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	5g	**-7003G**
M2.5 x 0.45	50.0	9.0	2.8	2.1	5g	**-7006G**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-7009G**
M3.5 x 0.60	56.0	13.0	4.0	3.0	6g	**-7012G**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-7015G**
M5.0 x 0.80	70.0	16.0	6.0	4.9	13g	**-7018G**
M6.0 x 1.00	80.0	19.0	6.0	4.9	16g	**-7021G**
M8.0 x 1.25	90.0	22.0	8.0	6.2	30g	**-7027G**
M10.0 x 1.50	100.0	24.0	10.0	8.0	45g	**-7030G**
M12.0 x 1.75	110.0	29.0	9.0	7.0	56g	**-7033G**

HSS 'Green Ring' Fluteless Taps

HSS-EV FLUTELESS

Lubrication grooves are a feature of all taps of M3.0 and over. Manufactured to **DIN 371/376**.

Suitable for the following Material Groups

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
6.1	Copper	-	up to 500	8 - 12
6.2	Brass (alpha - long chip)	-	up to 800	15 - 20

Group	Materials	Brinell Hardness HB	Tensile Strength N/mm²	Tapping Speed M/min
7.1	Unalloyed aluminium, magnesium and zinc	-	up to 150	20 - 30
7.2	Aluminium alloy less than 5% silicon magnesium & zinc alloys (long chip)	-	up to 1200	20 - 30

Fluteless - HSS-EV Bright Finish
For through and blind holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P). Tapping tolerance to **6H**.

FLUTELESS FOR THROUGH AND BLIND HOLES

METRIC COARSE



ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-7503G**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-7509G**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-7515G**
M5.0 x 0.80	70.0	15.0	6.0	4.9	13g	**-7518G**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-7521G**
M8.0 x 1.25	90.0	20.0	8.0	6.2	32g	**-7527G**
M10.0 x 1.50	100.0	22.0	10.0	8.0	58g	**-7530G**
M12.0 x 1.75	110.0	24.0	9.0	7.0	61g	**-7533G**

Fluteless - HSS-EV (TiN Coated)
For through and blind holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P). Tapping tolerance to **6H**.

FLUTELESS FOR THROUGH AND BLIND HOLES

METRIC COARSE



ISO Metric Coarse

Size - Pitch (mm)	Overall Length	Thread Length	Shank Dia.	A/F Square	Weight each	Order Code SWT-185
M2.0 x 0.40	45.0	8.0	2.8	2.1	4g	**-8003G**
M3.0 x 0.50	56.0	11.0	3.5	2.7	5g	**-8009G**
M4.0 x 0.70	63.0	13.0	4.5	3.4	8g	**-8015G**
M5.0 x 0.80	70.0	15.0	6.0	4.9	13g	**-8018G**
M6.0 x 1.00	80.0	17.0	6.0	4.9	17g	**-8021G**
M8.0 x 1.25	90.0	20.0	8.0	6.2	32g	**-8027G**
M10.0 x 1.50	100.0	22.0	10.0	8.0	58g	**-8030G**
M12.0 x 1.75	110.0	24.0	9.0	7.0	61g	**-8033G**

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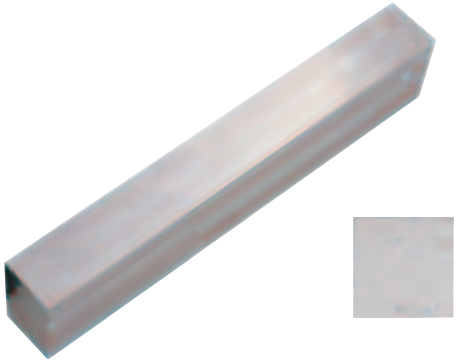
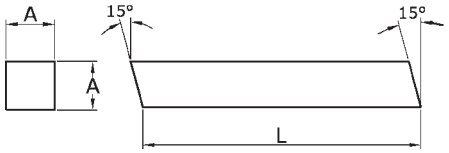
KENNEDY QUALITY INDUSTRIAL TOOLING **Toolbits**

HSS

Cut faster, 'stand up' longer and reduce costs. Square and rectangular toolbits supplied with 15° bevelled ends. Parting-off blades supplied with 2° side taper, 10° bevel (top and bottom).

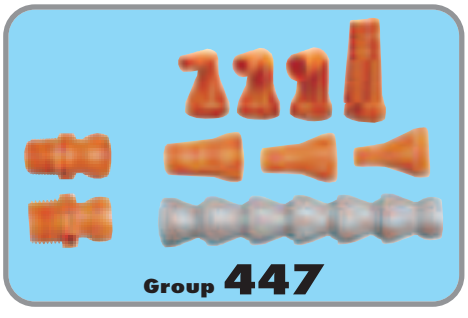




HSS Square Inch

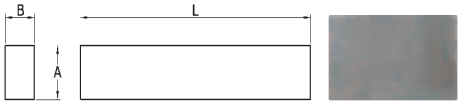
A	L	Weight each	Order Code KEN-090
3/16"	2 1/2"	12g	-0040K
1/4"	2 1/2"	21g	-0050K
1/4"	3"	25g	-0060K
1/4"	4"	33g	-0070K
5/16"	2 1/2"	32g	-0100K
5/16"	3"	40g	-0110K
5/16"	4"	52g	-0130K
5/16"	6"	80g	-0140K
3/8"	3"	56g	-0160K
3/8"	4"	75g	-0180K
3/8"	6"	112g	-0190K
7/16"	4"	100g	-0220K
1/2"	3"	100g	-0250K
1/2"	4"	130g	-0270K
1/2"	6"	200g	-0280K
5/8"	4"	210g	-0300K
5/8"	6"	310g	-0330K
3/4"	4"	300g	-0350K
3/4"	5"	374g	-0360K
3/4"	6"	450g	-0370K
3/4"	8"	600g	-0380K
1"	6"	800g	-0390K





5% Cobalt Rectangular Inch

HSS-Co 5%



B x A	L	Weight each	Order Code KEN-090
3/16" - 1/2"	6"	72g	-5100K
1/4" - 3/8"	4"	50g	-5110K
1/4" - 1/2"	4"	70g	-5120K
5/16" - 1/2"	6"	120g	-5130K
3/8" - 1/2"	4"	100g	-5140K
3/8" - 1/2"	6"	150g	-5150K
3/8" - 5/8"	4"	125g	-5160K
3/8" - 5/8"	6"	190g	-5170K
3/8" - 3/4"	4"	150g	-5180K
3/8" - 3/4"	6"	230g	-5190K
3/8" - 1"	6"	300g	-5200K
1/2" - 5/8"	6"	240g	-5210K
1/2" - 3/4"	4"	200g	-5220K
1/2" - 3/4"	6"	315g	-5240K
1/2" - 1"	6"	390g	-5250K
5/8" - 3/4"	6"	370g	-5270K
5/8" - 1"	6"	490g	-5290K

5% Cobalt Square Metric

HSS-Co 5%

A (mm)	L (mm)	Weight each	Order Code KEN-090
5.00	80.0	10g	-3500K
6.00	40.0	15g	-3600K
6.00	80.0	22g	-3610K
6.00	100.0	30g	-3620K
6.00	160.0	44g	-3640K
8.00	80.0	50g	-3670K
8.00	100.0	52g	-3680K
8.00	160.0	90g	-3700K
8.00	200.0	110g	-3710K
10.00	80.0	70g	-3730K
10.00	100.0	81g	-3740K
10.00	125.0	110g	-3750K
10.00	160.0	122g	-3760K
12.00	100.0	120g	-3800K
12.00	125.0	152g	-3810K
12.00	160.0	190g	-3820K
14.00	100.0	155g	-3860K
14.00	160.0	240g	-3880K
16.00	100.0	210g	-3920K
16.00	160.0	335g	-3925K
20.00	160.0	440g	-3930K
20.00	200.0	650g	-3940K
25.00	160.0	760g	-3950K
25.00	200.0	1010g	-3960K

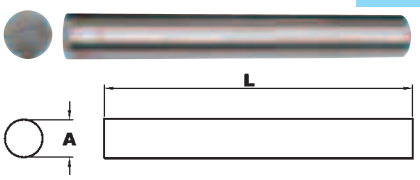
5% Cobalt Square Inch

HSS-Co 5%

A	L	Weight each	Order Code KEN-090
3/16"	2 1/2"	12g	-3020K
3/16"	3"	14g	-3030K
3/16"	4"	14g	-3040K
1/4"	2 1/2"	21g	-3050K
1/4"	3"	25g	-3060K
1/4"	4"	33g	-3070K
1/4"	6"	50g	-3080K
5/16"	2 1/2"	32g	-3100K
5/16"	3"	40g	-3110K
5/16"	4"	52g	-3130K
5/16"	6"	80g	-3140K
3/8"	3"	56g	-3160K
3/8"	4"	75g	-3180K
3/8"	6"	112g	-3190K
1/2"	3"	100g	-3250K
1/2"	4"	130g	-3270K
1/2"	6"	200g	-3280K
5/8"	4"	210g	-3300K
5/8"	6"	310g	-3330K
3/4"	4"	300g	-3350K
3/4"	6"	450g	-3370K
1"	6"	800g	-3390K

HSS Round Inch

HSS



A	L	Weight each	Order Code KEN-090
3/16"	3"	11g	-1100K
1/4"	3"	20g	-1140K
1/4"	4"	27g	-1150K
5/16"	3"	31g	-1170K
5/16"	4"	42g	-1180K
3/8"	3"	45g	-1200K
3/8"	4"	60g	-1210K
1/2"	4"	110g	-1260K
1/2"	6"	160g	-1280K
5/8"	4"	170g	-1290K
5/8"	6"	250g	-1300K
3/4"	4"	240g	-1310K
3/4"	6"	360g	-1320K

5% Cobalt Round Inch

HSS-Co 5%

A	L	Weight each	Order Code KEN-090
1/8"	3"	5g	-4010K
3/16"	3"	11g	-4100K
3/16"	4"	15g	-4110K
1/4"	2 1/2"	17g	-4120K
1/4"	4"	27g	-4150K
5/16"	3"	31g	-4170K
5/16"	4"	42g	-4180K
3/8"	3"	50g	-4200K
3/8"	4"	60g	-4210K
3/8"	6"	80g	-4230K
1/2"	4"	110g	-4260K
1/2"	6"	160g	-4280K
5/8"	4"	170g	-4290K
3/4"	4"	240g	-4310K
3/4"	6"	360g	-4320K
1"	8"	860g	-4380K

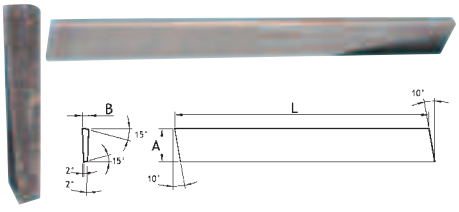
5% Cobalt Round Metric

HSS-Co 5%

A (mm)	L (mm)	Weight each	Order Code KEN-090
4.00	80.0	8g	-4510K
5.00	80.0	12g	-4530K
6.00	80.0	18g	-4550K
6.00	100.0	24g	-4570K
8.00	80.0	31g	-4590K
8.00	100.0	40g	-4630K
8.00	125.0	60g	-4610K
8.00	160.0	63g	-4650K
10.00	80.0	50g	-4670K
10.00	100.0	65g	-4690K
10.00	125.0	90g	-4710K
12.00	63.0	65g	-4730K
12.00	80.0	70g	-4750K
12.00	100.0	94g	-4770K
12.00	160.0	141g	-4810K
14.00	125.0	190g	-4830K
16.00	125.0	160g	-4870K
16.00	160.0	250g	-4890K
20.00	100.0	260g	-4930K
20.00	160.0	390g	-4950K

5% Cobalt Parting-Off Inch

HSS-Co 5%



B x A	L	Weight each	Order Code KEN-090
3/32" - 1/2"	4 1/2"	22g	-5410K
3/32" - 5/8"	5"	30g	-5430K
1/8" - 3/4"	6"	60g	-5450K
1/8" - 7/8"	7"	80g	-5470K
3/16" - 1"	8"	160g	-5490K
3/16" - 1 1/8"	9"	200g	-5510K

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KENNEDY Brazed Tip Turning & Boring Tools

Manufactured in three standard grades (all sizes are nominal).
Manufactured to **ISO DIN BHMA Standards.**

P40: Roughing to heavy roughing of steel and steel castings using heavy feeds and low to medium cutting speeds. Also used under unfavourable conditions, particularly where intermittent cutting is involved. This grade is also suitable for planing operations and for machining manganese steel.

P30: Carbide tipped tools are suitable for heavy duty turning and boring on all classes of steel. Suitable also for interrupted cutting and machining at low speeds and heavy feeds.

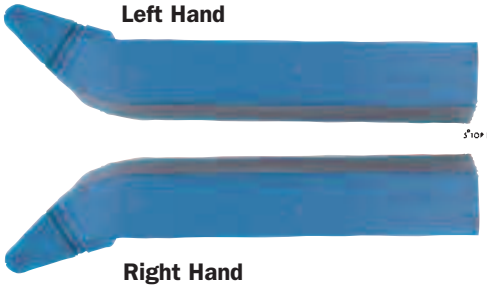
K20: General purpose tools for most applications. Ideal for machining cast iron, non-ferrous metals, bakelite etc. Combines wear resistance with toughness when rough turning at moderate cutting speeds. Suitable for high feed rates.

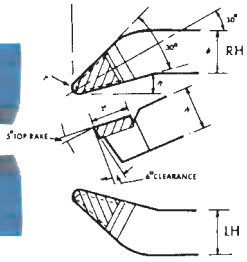
Straight Round Nosed Turning Tools



Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
010	N	3/8" x 3/8"	160g	-	-0100K	-0110K
012	N	1/2" x 1/2"	190g	-	-0140K	-0150K
016	N	5/8" x 5/8"	240g	-	-0190K	-0200K
020	N	3/4" x 3/4"	410g	-	-0230K	-0240K
024	N	1" x 3/4"	520g	-	-0270K	-
026	N	1" x 1"	760g	-	-0310K	-

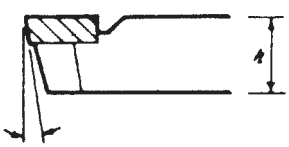
Cranked Round Nosed Turning Tools





Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
12	RH	1/2" x 1/2"	110g	-	-0510K	-0520K
13	LH	1/2" x 1/2"	110g	-	-0530K	-0540K
16	RH	5/8" x 5/8"	240g	-	-0590K	-0600K
17	LH	5/8" x 5/8"	240g	-	-0610K	-
20	RH	3/4" x 3/4"	410g	-	-0690K	-0700K
21	LH	3/4" x 3/4"	410g	-	-0710K	-0720K
26	RH	1" x 1"	720g	-	-0820K	-
27	LH	1" x 1"	720g	-	-0840K	-

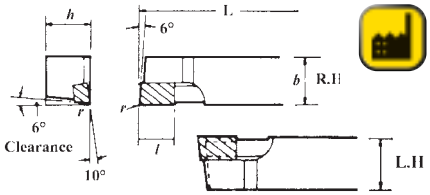
Light Turning & Boring Tools



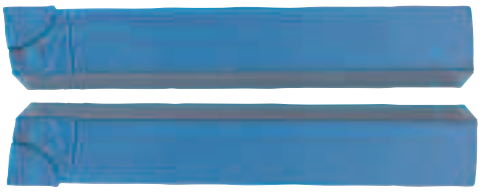


Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
40	N	3/8" x 3/8"	70g	-	-1000K	-
44	N	1/2" x 1/2"	120g	-	-1060K	-1070K
60	N	3/4" x 3/4"	430g	-	-1660K	-

Bar Turning Tools



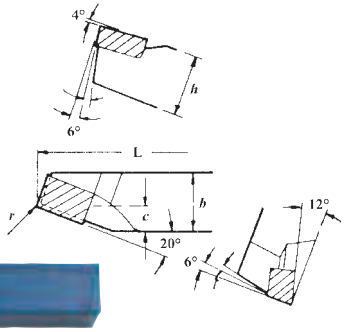
Left Hand



Right Hand

Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
100	RH	3/8" x 3/8"	70g	-	-2010K	-
101	LH	3/8" x 3/8"	70g	-	-2040K	-
102	RH	1/2" x 1/2"	120g	-2055K	-2060K	-2080K
103	LH	1/2" x 1/2"	120g	-	-2100K	-2110K
106	RH	5/8" x 5/8"	260g	-	-2180K	-
110	RH	3/4" x 3/4"	440g	-	-2280K	-2290K
111	LH	3/4" x 3/4"	440g	-	-2300K	-

Bar & Knee Turning Tools



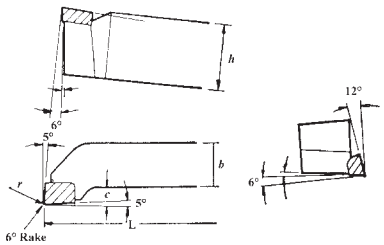
Left Hand



Right Hand

Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
132	RH	1/2" x 1/2"	120g	-	-2550K	-
140	RH	3/4" x 3/4"	430g	-	-2610K	-
141	LH	3/4" x 3/4"	430g	-	-2630K	-

Cranked Turning Tools



Left Hand



Right Hand

Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
160	RH	3/8" x 3/8"	70g	-	-2780K	-2790K
161	LH	3/8" x 3/8"	70g	-	-2800K	-
162	RH	1/2" x 1/2"	130g	-	-2830K	-2860K
163	LH	1/2" x 1/2"	130g	-	-2870K	-2880K
166	RH	5/8" x 5/8"	270g	-	-2940K	-2960K
167	LH	5/8" x 5/8"	270g	-	-	-2990K
170	RH	3/4" x 3/4"	460g	-	-3040K	-3070K
171	LH	3/4" x 3/4"	460g	-	-3080K	-3090K

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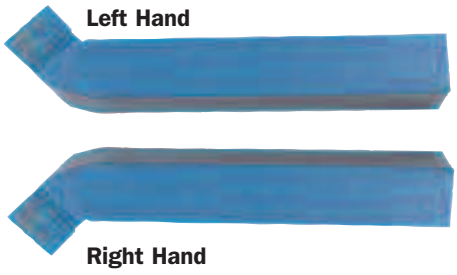
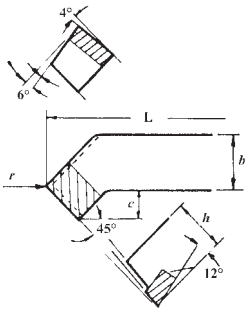
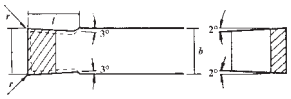
KENNEDY Brazed Tip Cranked Turning & Facing Tools

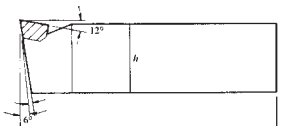




Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
192	RH	1/2" x 1/2"	110g	-	-3410K	-3420K
196	RH	5/8" x 5/8"	260g	-3490K	-3500K	-
197	LH	5/8" x 5/8"	260g	-	-3520K	-
200	RH	3/4" x 3/4"	430g	-3680K	-3690K	-3710K
201	LH	3/4" x 3/4"	430g	-	-3720K	-
206	RH	1" x 1"	790g	-	-	-3850K
207	LH	1" x 1"	790g	-3855K	-	-

Straight Recessing Tools

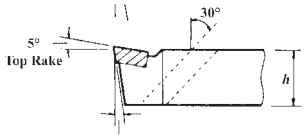


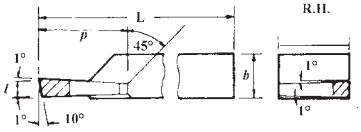




Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
230	N	3/8" x 3/8"	64g	-	-4370K	-
232	N	1/2" x 1/2"	120g	-	-4460K	-
236	N	5/8" x 5/8"	250g	-	-4620K	-

Parting Off Tools





Right Hand



Tool No.	Tip	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
260	3/32"	5/8" x 3/8"	120g	-5200K	-5210K	-5220K
262	1/8"	3/4" x 1/2"	220g	-5260K	-5270K	-5280K
264	3/16"	1" x 5/8"	390g	-5320K	-5330K	-5350K
265	1/4"	1" x 3/4"	480g	-5420K	-5430K	-
270	3/32"	5/8" x 3/8"	110g	-	-5610K	-
272	1/8"	3/4" x 1/2"	220g	-	-5690K	-5710K
274	3/16"	1" x 5/8"	390g	-	-5750K	-5770K
275	1/4"	1" x 3/4"	460g	-5810K	-5820K	-5840K
276	5/16"	1 1/4" x 3/4"	700g	-	-5880K	-5900K

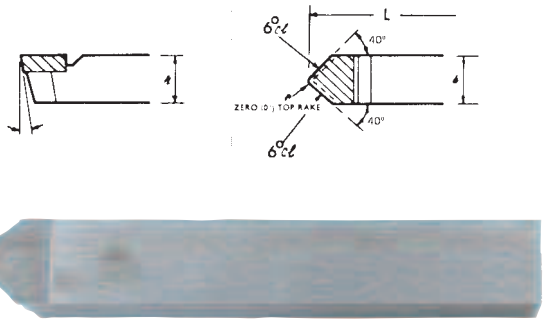
Square Shank Boring Tools Held at 90° in Bar



Right Hand

Tool No.	Cut	Shank H	Shank W	Weight each	Order Code KEN-100 P40	P30	K20
280	RH	1/4"	1/4"	11g	-	-6180K	-
288	RH	1/2"	1/2"	109g	-	-6340K	-

Square Shank Boring Tools Held at 80° in Bar

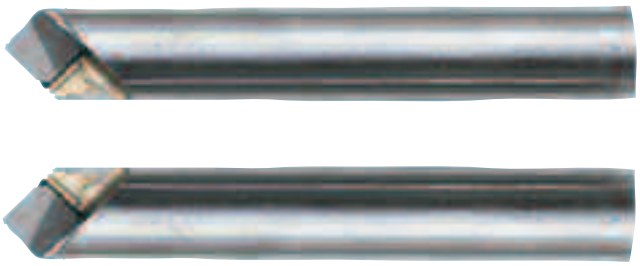


Tool No.	Cut	Shank H	Shank W	Weight each	Order Code KEN-100 P40	P30	K20
300	N	1/4"	1/4"	11g	-	-6580K	-
308	N	3/8"	3/8"	16g	-	-6750K	-
316	N	1/2"	1/2"	109g	-	-6920K	-

Light Duty Round Shank Boring Tools Used at 45° in Bar

EXTENDED RANGE

Right Hand

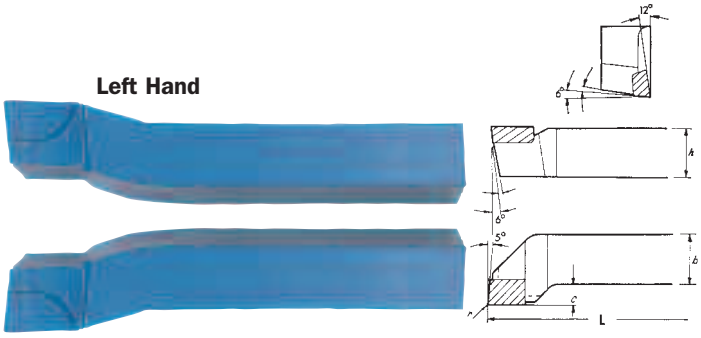


Left Hand

Tool No.	Cut	Shank Dia. x Length	Weight each	Order Code KEN-100 P40	P30	K20
375	LH	5/16" x 1 1/2"	13g	-	-8110K	-
376	RH	3/8" x 2 1/2"	30g	-	-8130K	-
377	LH	3/8" x 2 1/2"	30g	-	-8150K	-8160K
380	RH	1/2" x 5"	65g	-	-8220K	-

Cranked Knife Turning Tools

Left Hand



Right Hand

Tool No.	Cut	Shank Height x Width	Weight each	Order Code KEN-100 P40	P30	K20
2130	RH	3/8" x 3/8"	70g	-	-8970K	-
2132	RH	1/2" x 1/2"	120g	-	-9010K	-9020K
2133	LH	1/2" x 1/2"	120g	-	-9030K	-
2136	RH	5/8" x 5/8"	260g	-	-9230K	-9250K
2137	LH	5/8" x 5/8"	260g	-	-9260K	-
2140	RH	3/4" x 3/4"	430g	-9380K	-9390K	-9400K
2141	LH	3/4" x 3/4"	430g	-	-9420K	-
2146	RH	1" x 1"	800g	-	-9670K	-

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External Toolholders - ISO Designation

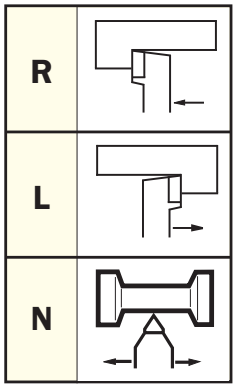
1 Clamping System

C	Clamp
D	"One-Double"
M	Clamp & Pin
P	Lever
S	Screw

3 Lead Angle

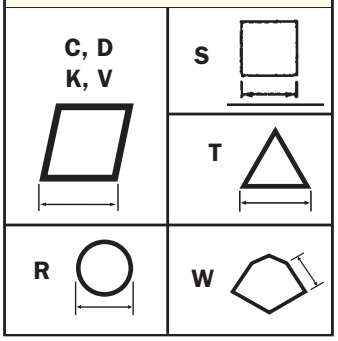
B 75°	C 90°	D 45°	F 90°
G 90°	J 93°	K 75°	L 95°
N 63°	S 45°	T 60°	U 93°
V 72½°	W 60°		

5 Hand



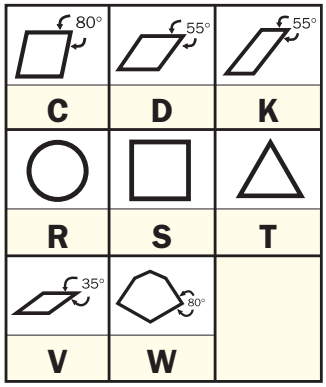
9 Cutting Edge Length

Expressed in millimetres

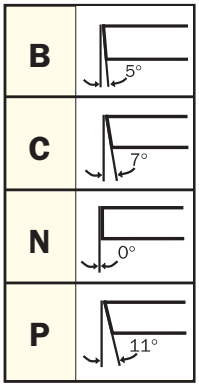


1	2	3	4	5	6	7	8	9
P	C	K	N	R	20	20	K	12

2 Insert Shape

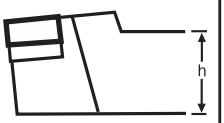


4 Clearance



6 Shank Height

Expressed in millimetres



Single Digit Nos. preceded by '0' e.g: h = 8mm is indicated by 08

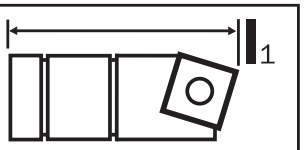
7 Shank Width

Expressed in millimetres



Single Digit Nos. preceded by '0' e.g: b = 8mm is indicated by 08

8 Tool Length



Length in millimetres

D	60	M	150
E	70	P	170
F	80	Q	180
H	100	R	200
K	125	S	250

Boring Bars - Additional Designation

1 Bar Type

S	Solid Steel Bar
A	Solid Steel With Through Coolant
C	Carbide Shank
E	Carbide Shank with Through Coolant
T	Anti-Vibration Carbide Reinforced Steel Shank

3 Bar Length

Length in millimetres

J	110	S	250
K	125	T	300
M	150	U	350
Q	180	V	400
R	200	W	450

1	2	3	4	5	6	7	8	9
S	50	W	P	S	K	N	R	19

2 Basic Diameter

Expressed in millimetres



Single Digit Nos. preceded by '0' e.g: b = 8mm is indicated by 08

- 4 Clamping System
- 5 Insert Shape
- 6 Lead Angle
- 7 Clearance
- 8 Hand
- 9 Cutting Edge Length

Note: Details as above see External Toolholders

Cartridges - Additional Designation

Note: Cutting Edge Lengths are detailed to the lowest whole number e.g. 12.7mm = 12mm

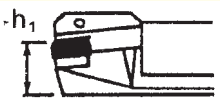
- 1 Clamping System
- 2 Insert Shape
- 3 Lead Angle
- 4 Clearance
- 5 Hand
- 8 Cutting Edge Length

Note: Details as above see External Toolholders

1	2	3	4	5	6	7	8
P	T	F	N	R	16	CA	16

6 Cutting Edge Height

Expressed in millimetres



Single Digit Nos. preceded by '0' e.g: h_1 = 8mm is indicated by 08

7 Type of Tool

'C' Indicates Cartridge

'A' Indicates that Holder is designed to ISO 5611

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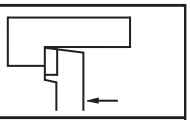
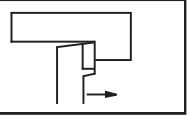
THREADING TOOLHOLDERS - ISO DESIGNATION

1 Clamping System

D	Top Clamp + Screw-on
S	Screw-on
C	Top Clamp

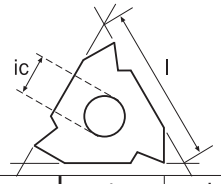
3 Hand

R	
L	

6 Tool Length

Length in millimetres			
H	100	S	250
K	125		
M	150		
P	170		
R	200		

7 Cutting Edge length



	l	ic
06	6mm	5/32"
08	8mm	3/16"
11	11mm	1/4"
16	16.5mm	3/8"
22	22mm	1/2"

1	2	3	4	5	6	7
D	E	R	16	16	H	16

2 Type of holder

E	External
I or N	Internal

4 Shank Height

Round Shank (Boring Bars) = 00

For Rectangular Shanks, Height is expressed in mm

Single Digit Nos. preceded by '0'

E.g. h = 8mm is indicated by 08

5 Shank Width

Round Shank (Boring Bars) = Diameter in mm

For Rectangular Shanks, Width is expressed in mm

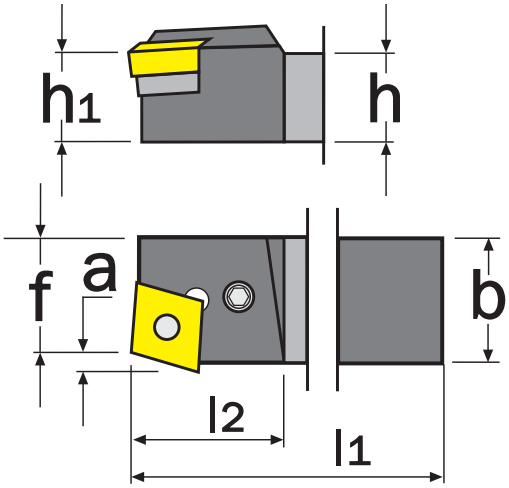
Single Digit Nos. preceded by '0'

E.g. h = 8mm is indicated by 08

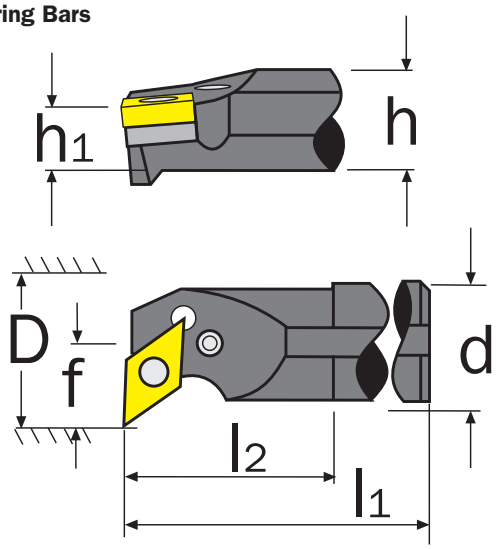
Dimensional Notation

h = Shank Height or A/F Dmin
h_1 = Tip Height
b = Shank Width
d = Shank Diameter
f = Width Offset
a = Insert Approach Length
D = Min. Boring Diameter
l_1 = Overall Length to Tip
l_2 = Neck Length
l_3 = Min. Adjustment Length
d_1 = Clamp Screw Bore Diameter
d_2 = Neck Diameter
x = Clamp Screw Angle
e = Clamp Screw Centre

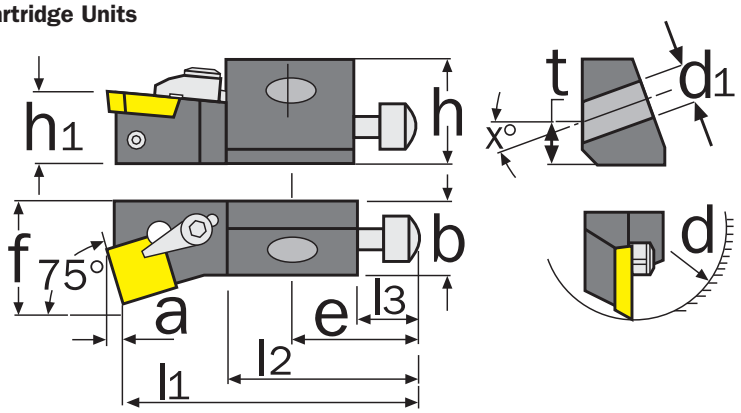
External Toolholders



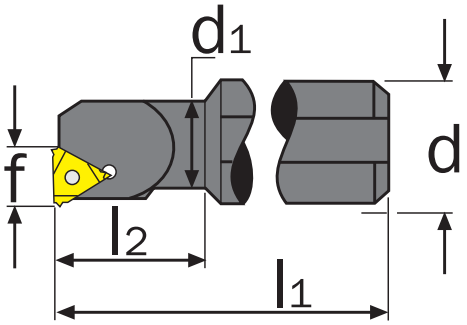
Boring Bars



Cartridge Units



Threading Toolholders



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Indexable Toolholders & Boring Bars

Illustrated are a few basic tool styles from a range that covers the majority of applications in turning. Generally Indexable toolholders use shims made of carbide that lie underneath the inserts in the holder pockets, fixed by means of a pin or screw. They provide clearance and maximum support which is achieved for the insert to absorb the cutting force. In the event of insert fracture, they protect the toolholder from damage.

C-Style Top Clamp

Especially suitable for boring and medium to heavy external turning operations, using positive rakes, various chip breakers and extra side clearance. The clamp is brought down onto the insert by a screw through the clamp. The clamp is designed and positioned so as not to hamper chip flow. When the screw is loosened the clamp lifts and a lug at the back of the clamp keeps it in position.
The insert is securely fixed in the two-sided pocket by the positive, direct screw clamp action which gives solid clamping of insert types with no centre hole.



External



Internal

M-Style Combination Clamp & Pin

Suitable for turning and boring operations that require better accessibility than the lever system. The insert is clamped by a top clamp pushing the insert towards a fixed pin. The clamp improves rigidity by wedging the insert against the fixed pin and also clamping the insert down. The insert is held very securely but released through just a slight turn of the screw. The design also provides a clear top face. This design does not provide the same clamping stability as the two sided pocket design of the lever lock type.



External



Internal

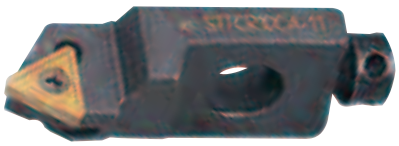
Cartridge Units

Many boring, external and combination operations require a number of cuts to be made in a single feed of the tool. In other operations it is wise to distribute the depth of cut on several cutting edges. For this purpose special tools are designed based on standard cartridge units.
Compared to tools with fixed insert seats the use of built-in tools gives the following advantage:
Relatively small positional tolerances can be maintained.
If the tool has to be changed, due to minor modification of the workpiece, the built-in units can be adjusted rather than the entire tool. An expensive tool is not damaged should there be an accident.

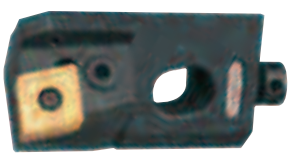
These items are available on request.
Please contact your distributor for further information.



C-Style



S-Style



P-Style

Widest range of styles and sizes. All compatible with ISO inserts.
Complete range of spares in stock. Full technical support services provided.

Performance Tooling

Assured Quality

INDEXA-SEIKI™

Indexable Toolholders & Boring Bars

Illustrated are a few basic tool styles from a range that covers the majority of applications in turning. Generally Indexable toolholders use shims made of carbide that lie underneath the inserts in the holder pockets, fixed by means of a pin or screw. They provide clearance and maximum support which is achieved for the insert to absorb the cutting force. In the event of insert fracture, they protect the toolholder from damage.

P-Style Lever Lock

For external turning and boring of larger diameter holes.
Versatile general purpose system for light to heavy machining, utilising a wide range of negative/positive inserts to cover most applications. Inserts are clamped using the centre hole.
A pivoted lever tilts by adjustment of the clamping screw.
The lever forces the insert backwards into the pocket locating it firmly against two sides giving excellent stability and locating accuracy.
This will ensure unobstructed chip flow over the insert top face.
Easy to operate for quick indexing.



External



Internal

S-Style Screw-on

For the internal machining of small diameters and for external light roughing to finishing of smaller work pieces. Offers secure insert clamping, excellent repeatability, uninterrupted chip clearance, requires little space and few spares. Suitable for copy turning due to the positive insert being positioned neutrally in the toolholder, giving constant clearance around the periphery and ensuring a clean cut, excellent surface finish and long tool life. The single screw, fits into a hole in the insert pocket holding both insert and shim in place.



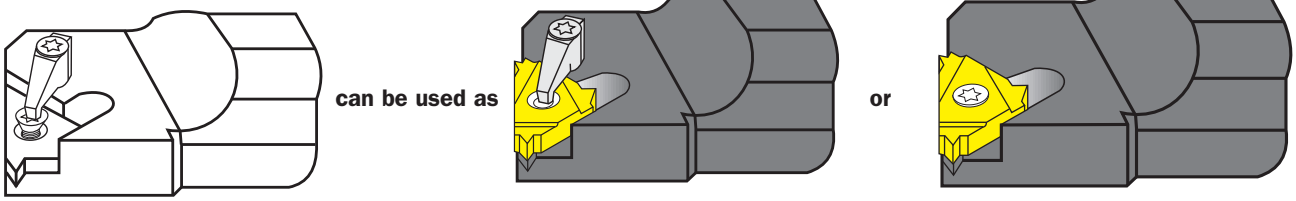
External



Internal

Carbide Shank Boring Bars also available

Threading Tools



Widest range of styles and sizes. All compatible with ISO inserts.
Complete range of spares in stock. Full technical support services provided.

Performance Tooling

Assured Quality

CUTTING TOOLS

INDEXA-SEIKI

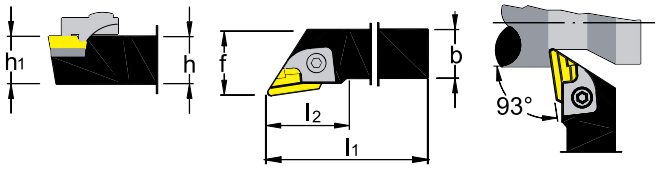
Top Clamp External Toolholders

CKJN R/L

93° approach for 55° negative parallelogram inserts.

Inserts See Group 120
Sizes **16** = 1604__
KN_X





Spares to Suit Contact your local branch for prices

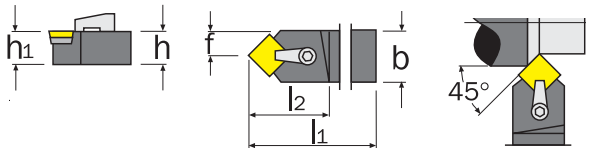
Designation CKJN....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Claw	Clamp Screw	Spring	Spring Pin		Hex Key
								Order Code IND-107							Order Code KEN-601
R 2525M **16**	25	25	150	34	32	734g	**-0240K**	**-1930K**	**-2945K**	**-0670K**	**-1280K**	**-0830K**	**-0840K**		**-1300K**
L 2525M **16**						736g	**-0250K**	**-1940K**	**-2945K**	**-0680K**	**-1280K**	**-0830K**	**-0840K**		**-1300K**

CSDP N

45° approach for 11° positive square inserts.

Inserts See Group 120
Sizes **09** = 0903__
Sizes **12** = 1203__
SP_R **SP_N**





Spares to Suit Contact your local branch for prices

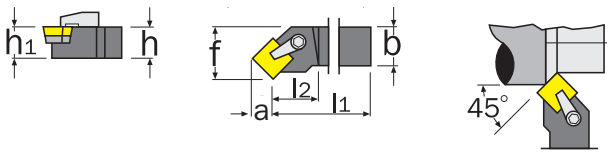
Designation CSDP....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Clamp Set					Hex Key
								Order Code IND-107							Order Code KEN-601
N 1616H **09**	16	16	100	22	8.0	194g	**-0420K**	**-1950K**	**-2950K**	**-4200K**	-	-	-	-	**-1250K**
N 2020K **12**	20	20	125	28	10.0	380g	**-0460K**	**-2000K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**

CSSP R/L

45° approach for 11° positive square inserts.

Inserts See Group 120
Sizes **12** = 1203__
SP_R **SP_N**





Spares to Suit Contact your local branch for prices

Designation CSSP....	h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Clamp Set					Hex Key
									Order Code IND-107							Order Code KEN-601
R 2525M **12**	25	25	150	28	32	8.3	745g	**-0600K**	**-2000K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**

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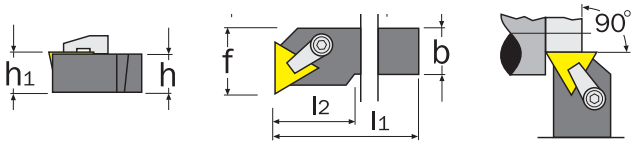
INDEXA-SEIKI **Top Clamp External Toolholders** Continued

CTFP R

90° approach for 11° positive triangular inserts.

Inserts See Group 120
Sizes **11** = 1103__
Sizes **16** = 1603__
TP_R **TP_N**





Spares to Suit Contact your local branch for prices

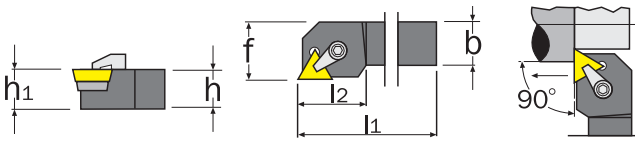
Designation CTFP....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Clamp Set					Hex Key Order Code KEN-601
								Order Code IND-107							
R 1616H **11**	16	16	100	22	20	203g	**-0900K**	-	-	**-4250K**	-	-	-	-	**-1250K**
R 2020K **16**	20	20	125	22	25	400g	**-0940K**	**-2050K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**

CTGP R/L

90° approach for 11° positive triangular inserts.

Inserts See Group 120
Sizes **11** = 1103__
Sizes **16** = 1603__
TP_R **TP_N**





Spares to Suit Contact your local branch for prices

Designation CTGP....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Clamp Set					Hex Key Order Code KEN-601
								Order Code IND-107							
R 1212F **11**	12	12	80	18	16	98g	**-1040K**	-		**-4200K**	-	-	-	-	**-1250K**
L 1212F **11**						97g	**-1050K**								
R 1616H **11**	16	16	100	22	20	207g	**-1060K**	-	-	**-4200K**	-	-	-	-	**-1250K**
R 2020K **16**	20	20	125	28	25	397g	**-1100K**	**-2050K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**
L 2020K **16**						395g	**-1110K**								
R 2525M **16**	25	25	150	28	32	744g	**-1120K**	**-2050K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**
L2525M **16**						744g	**-1130K**								

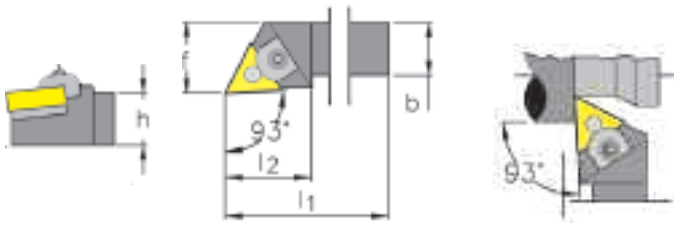
Combination Top Clamp & Pinlock External Toolholders

MTJN R

93° approach for negative triangular inserts.

Inserts See Group 120
Sizes : **16** = 1604
TN_A **TN_G**





Spares to Suit Contact your local branch for prices

Designation MTJN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Lock Pin	Clamp					
								Order Code IND-107							
R 2020K **16**	20	20	125	34	25	427g	**-1300K**	**-2087K**	**-1480K**	**-0943K**	-	-	-	-	-
R 2525M **16**	25	25	150	34	32	753g	**-1320K**								

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CUTTING TOOLS

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Combination Top Clamp & Pinlock External Toolholders

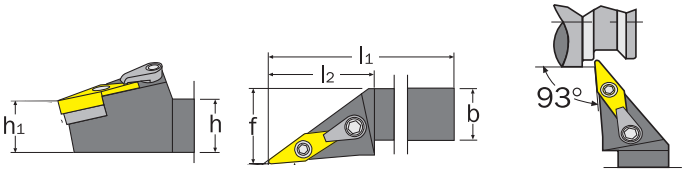
MVJN R/L

93° approach for negative 35° rhombic inserts.

Inserts See Group 120
Sizes **16** = 1604__

VN_A **VN_G**





Spares to Suit Contact your local branch for prices

Designation MVJN....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Lock Pin	Clamp	Clamp Screw			Shim Key	Clamp Key
								Order Code **IND-107**						Order Code **KEN-601**	
R 2020K **16**	20	20	125	37	25	395g	**-1500K**	**-2100K**	**-1600K**	**-0600K**	**-0900K**	-	-	**-1200K**	**-1300K**
L 2020K **16**						398g	**-1510K**								
R 2525M **16**	25	25	150	37	32	679g	**-1520K**	**-2100K**	**-1600K**	**-0600K**	**-0900K**	-	-	**-1200K**	**-1300K**
L 2525M **16**						688g	**-1530K**								

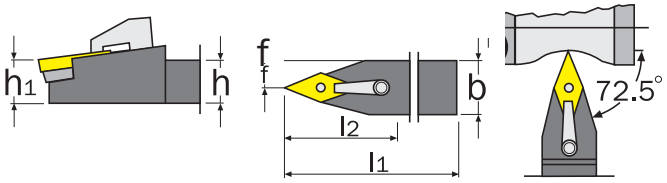
MVVN N

72.5° approach for negative 35° rhombic inserts.

Inserts See Group 120
Size **16** = 1604__

VN_A **VN_G**





Spares to Suit Contact your local branch for prices

Designation MVVN....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Lock Pin	Clamp	Clamp Screw			Shim Key	Clamp Key
								Order Code **IND-107**						Order Code **KEN-601**	
N 2020K **16**	20	20	125	48	10.0	379g	**-1580K**	**-2100K**	**-1600K**	**-0600K**	**-0900K**	-	-	**-1200K**	**-1300K**
N 2525M **16**	25	25	150	48	12.5	675g	**-1600K**								

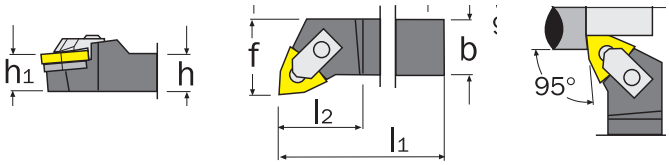
MWLN R/L

95° approach for negative 80° trigon inserts.

Inserts See Group 120
Sizes **08** = 0804__

WN_A **WN_G** **WN_M**





Spares to Suit Contact your local branch for prices

Designation MWLN....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Lock Pin	Clamp	Clamp Screw			Shim Key	Clamp Key
								Order Code **IND-107**						Order Code **KEN-601**	
R 2020K **08**	20	20	125	34	25	453g	**-1680K**	**-2920K**	**-1680K**	**-0940K**	**-0080K**	-	-	**-1250K**	**-1500K**
L 2020K **08**						465g	**-1690K**								
R 2525M **08**	25	25	150	34	32	789g	**-1700K**	**-2920K**	**-1680K**	**-0940K**	**-0080K**	-	-	**-1250K**	**-1500K**
L 2525M **08**						776g	**-1710K**								

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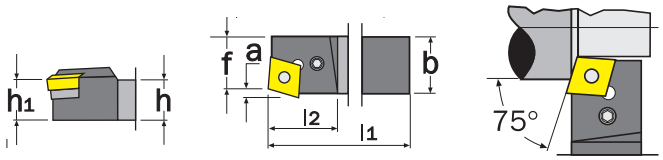
Lever Lock External Toolholders

PCBN R/L

75° approach for negative 80° rhombic inserts.

Inserts See Group 120
Sizes **12** = 1204__
Sizes **16** = 1606__
CN_A CN_G





Spares to Suit Contact your local branch for prices

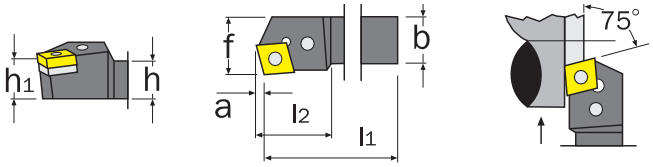
Designation PCBN....	Dimensions (mm) h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
									Order Code IND-107							Order Code KEN-601
R 2525M **12**	25	25	150	28	22	3.1	730g	**-1762K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 2525M **12**							725g	**-1763K**					-	-	-	**-1300K**

PCKN R/L

75° approach for negative 80° rhombic inserts.

Inserts See Group 120
Sizes **12** = 1204__
CN_A CN_G





Spares to Suit Contact your local branch for prices

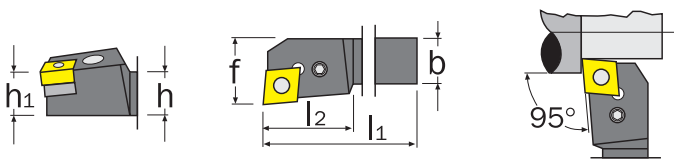
Designation PCKN....	Dimensions (mm) h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
									Order Code IND-107							Order Code KEN-601
R 2020K **12**	20	20	125	28	25	3.1	408g	**-1820K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
R 2525M **12**	25	25	150	34	22	3.8	760g	**-1860K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**

PCLN R/L

95° approach for negative 80° rhombic inserts.

Inserts See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **16** = 1606__
Sizes **19** = 1906__
CN_A CN_G





Spares to Suit Contact your local branch for prices

Designation PCLN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
								Order Code IND-107							Order Code KEN-601
R 1616H **12**	16	16	100	26	20	206g	**-1960K**	**-2150K**	**-3100K**	**-1260K**	**-1500K**	-	-	-	**-1300K**
R 2020K **09**	20	20	125	28	25	406g	**-1980K**	**-2130K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
R 2020K **12**	20	20	125	28	25	404g	**-2000K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 2020K **12**						404g	**-2010K**								
R 2525M **12**	25	25	150	28	32	742g	**-2040K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 2525M **12**						738g	**-2050K**								
R 2525M **16**	25	25	150	34	32	743g	**-2060K**	**-2860K**	**-3150K**	**-1220K**	**-1590K**	-	-	-	**-1300K**
L 2525M **16**						749g	**-2070K**								
R 3225P **12**	32	25	170	28	32	1067g	**-2100K**	**-2150K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 3225P **12**						1045g	**-2210K**								

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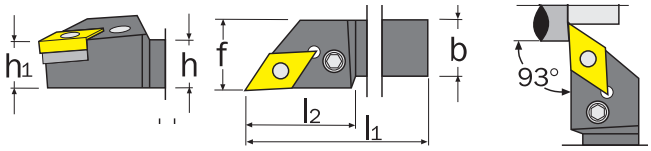
INDEXA-SEIKI **Lever Lock External Toolholders** Continued

PDJN R/L

93° approach for negative 55° rhombic inserts.



Inserts See Group 120
Sizes **11** = 1104__
Sizes **15** = 1506__
= 1504__ (optional)
DN_A **DN_G**



Spares to Suit Contact your local branch for prices

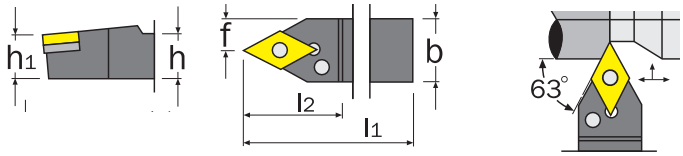
Designation PDJN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	1104_ Shim	1506_ Shim	Optional 1504_ Shim	Shim Pin	Lever	Lever Screw		Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 2020K **11**	20	20	125	30	25	386g	**-2380K**								
L 2020K **11**						383g	**-2390K**	**-2800K**	-	-	**-3050K**	**-0950K**	**-1300K**	-	**-1250K**
R 2020K **15**	20	20	125	34	25	383g	**-2400K**								
L 2020K **15**						393g	**-2410K**	-	**-2250K**	**-2270K**	**-3100K**	**-1100K**	**-1410K**	-	**-1300K**
R 2525M **11**	25	25	150	33	32	715g	**-2420K**								
L 2525M **11**						715g	**-2430K**	**-2800K**	-	-	**-3050K**	**-0950K**	**-1300K**	-	**-1250K**
R 2525M **15**	25	25	150	34	32	726g	**-2440K**								
L 2525M **15**						720g	**-2450K**	-	**-2250K**	**-2270K**	**-3100K**	**-1100K**	**-1410K**	-	**-1300K**

PDNN R

63° approach for negative 55° rhombic inserts.



Inserts See Group 120
Sizes **15** = 1506__
= 1504__ (optional)
DN_A **DN_G**



Spares to Suit Contact your local branch for prices

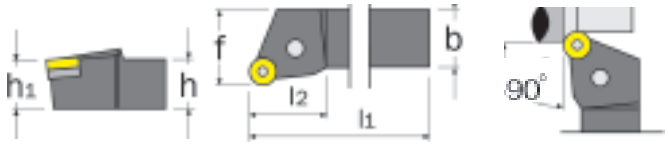
Designation PDNN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	1506_ Shim	Optional 1504_ Shim	Shim Pin	Lever	Lever Screw			Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 2525M **15**	25	25	150	34	12.5	689g	**-2580K**	**-2250K**	**-2270K**	**-3100K**	**-1100K**	**-1410K**	-	-	**-1300K**

PRSN R

90° approach for negative round inserts.



Inserts See Group 120
Size **12** = 120400
Sizes **19** = 190600
RN_A **RN_G**



Spares to Suit Contact your local branch for prices

Designation PRSN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 2525M **12**	25	25	150	28	32	715g	**-2840K**	**-2350K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**

PSBN R/L

75° approach for negative square inserts.



Inserts See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **19** = 1906__
SN_A **SN_G**



Spares to Suit Contact your local branch for prices

Designation PSBN....	Dimensions (mm) h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
									Order Code **IND-107**							Order Code **KEN-601**
R 2020K **12**	20	20	125	28	17	3	390g	**-2940K**								
L 2020K **12**							390g	**-2950K**	**-2500K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
R 2525M **12**	25	25	150	28	22	3	716g	**-2960K**	**-2500K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**

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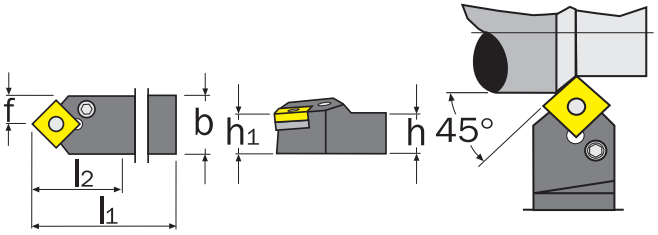
INDEXA-SEIKI **Lever Lock External Toolholders** continued

PSDN N

45° straight approach for negative square inserts.





Inserts See Group 120
Size **12** = 1204__
Size **19** = 1906__
SN_A SN_G

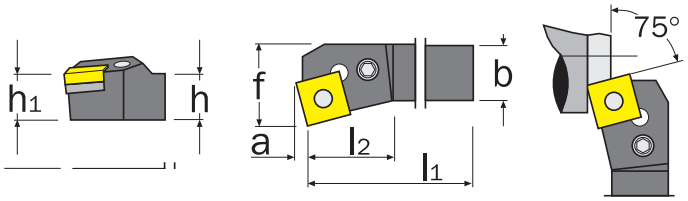
Spares to Suit Contact your local branch for prices

Designation PSDN....	h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
								Order Code IND-107							Order Code KEN-601
N 2020K **12**	20	20	125	28	10.0		-3220K	-2500K	-3100K	-1050K	-1400K	-	-	-	-1300K
N 2525M **12**	25	25	150	28	12.5		-3240K	-2500K	-3100K	-1050K	-1400K	-	-	-	-1300K
N 3225P **19**	32	25	170	42	12.5		-3280K	-2550K	-3200K	-1250K	-1580K	-	-	-	-1400K

PSKN R/L

75° approach for negative square inserts.





Inserts See Group 120
Size **12** = 1204__
SN_A SN_G

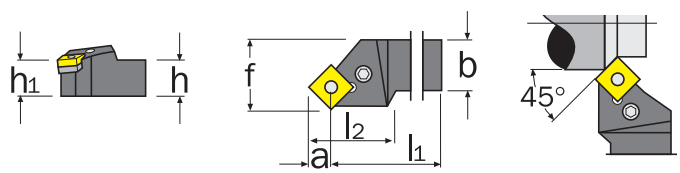
Spares to Suit Contact your local branch for prices

Designation PSKN....	h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
									Order Code IND-107							Order Code KEN-601
R 2525M **12**	25	25	150	28	32	3.1		-3360K	-2500K	-3100K	-1050K	-1400K	-	-	-	-1300K

PSSN R/L

45° offset approach for negative square inserts.





Inserts See Group 120
Size **12** = 1204__
Size **19** = 1906__
SN_A SN_G

Spares to Suit Contact your local branch for prices

Designation PSSN....	h=h1	b	l1	l2	f	a	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
									Order Code IND-107							Order Code KEN-601
R 2020K **12** L 2020K **12**	20	20	125	28	25	8.3		-3540K -3550K	-2500K	-3100K	-1050K	-1400K	-	-	-	-1300K
R 2525M **12** L 2525M **12**	25	25	150	28	32	8.3		-3560K -3570K	-2500K	-3100K	-1050K	-1400K	-	-	-	-1300K
R 3232P **19**	32	32	170	42	40	12.5		-3660K	-2550K	-3200K	-1250K	-1580K	-	-	-	-1400K

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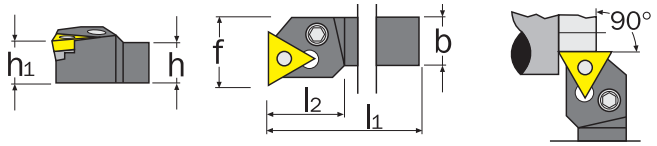
PTFN R/L

90° approach for negative triangular inserts.

Inserts See Group 120
Sizes **16** = 1604__
TN_A **TN_G**





Spares to Suit Contact your local branch for prices

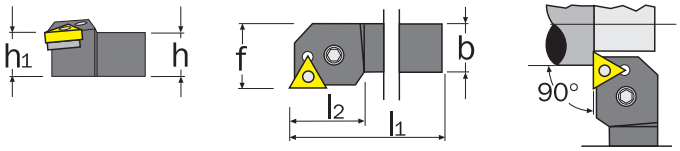
Designation PTFN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code **IND-106**	Shim	Shim Pin	Lever	Lever Screw				Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 2020K **16**	20	20	125	22	25		**-3680K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
R 2525M **16**	25	25	150	22	32		**-3740K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**

PTGN R/L

90° approach for negative triangular inserts.

Inserts See Group 120
Size **16** = 1604__
Size **22** = 2204__
TN_A **TN_G**





Spares to Suit Contact your local branch for prices

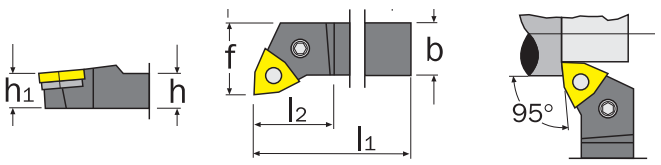
Designation PTGN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code **IND-106**	Shim	Shim Pin	Lever	Clamp Screw				Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 1616H **16**	16	16	100	22	20		**-3900K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 1616H **16**							**-3910K**								
R 2020K **16**	20	20	125	22	25		**-3940K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 2020K **16**							**-3950K**								
R 2525M**16**	25	25	150	22	32		**-3960K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 2525M**16**							**-3970K**								
R 2525M**22**	25	25	150	28	32		**-3980K**	**-2600K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**

PWLN R/L

95° approach for negative 80° trigon inserts.

Inserts See Group 120
Size **06** = 0604__
Size **08** = 0804__
WN_A **WN_G**





Spares to Suit Contact your local branch for prices

Designation PWLN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code **IND-106**	Shim	Shim Pin	Lever	Clamp Screw				Hex Key
								Order Code **IND-107**							Order Code **KEN-601**
R 1616H **06**	16	16	100	21	20		**-4080K**	**-2083K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 1616H **06**							**-4082K**								
R 2020K **06**	20	20	125	25	25		**-4090K**	**-2083K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 2020K **06**	20	20	125	25	25		**-4092K**								
R 2020K **08**	20	20	125	25	25		**-4100K**	**-2084K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 2020K **08**							**-4110K**								
R 2525M**06**	25	25	150	34	32		**-4114K**	**-2083K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
L 2525M**06**							**-4116K**								
R 2525M **08**	25	25	150	34	32		**-4120K**	**-2084K**	**-3100K**	**-1050K**	**-1400K**	-	-	-	**-1300K**
L 2525M **08**							**-4130K**								

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Screw-On External Toolholders Continued

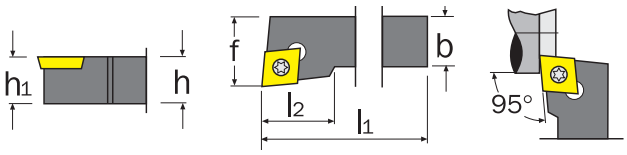
SCLC R/L

95° approach for 7° positive
80° rhombic inserts.



Inserts See Group 120
Size **06** = 0602__
Size **09** = 09T3__
Size **12** = 1204__
CC_T





Spares to Suit Contact your local branch for prices

Designation SCLC....		Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
									Order Code **IND-107**						
R 1010E	**06**	10	10	70	10	12		**-4420K**	-	-	**-3250K**	-	-	-	**-5070K**
L 1010E	**06**							**-4430K**							
R 1212F	**09**	12	12	80	16	16		**-4460K**	-	-	**-3270K**	-	-	-	**-5150K**
L 1212F	**09**							**-4470K**							
R 1616H	**09**	16	16	100	16	20		**-4480K**	-	-	**-3270K**	-	-	-	**-5150K**
L 1616H	**09**							**-4490K**							
R 2020K	**09**	20	20	125	20.5	25		**-4500K**	-	-	**-3270K**	-	-	-	**-5150K**
L 2020K	**09**							**-4505K**							
R 2020K	**12**	20	20	125	25	25		**-4510K**	**-2180K**	**-1575K**	**-1275K**	-	-	-	**-5200K**
L 2020K	**12**							**-4515K**							
R 2525M	**12**	25	25	150	25	32		**-4520K**	**-2180K**	**-1575K**	**-1275K**	-	-	-	**-5150K**
L 2525M	**12**							**-4525K**							

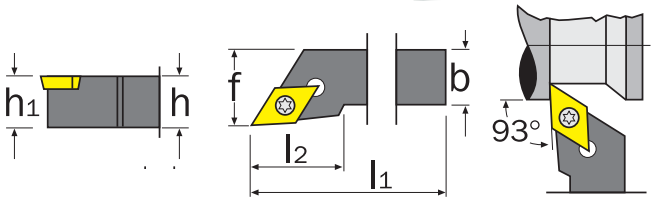
SDJC R/L

93° approach for 7° positive
55° rhombic inserts.



Inserts See Group 120
Size **07** = 0702__
Size **11** = 11T3__
DC_T





Spares to Suit Contact your local branch for prices

Designation SDJC....		Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
									Order Code **IND-107**						
R 1010E	**07**	10	10	70	16	12		**-4540K**	-	-	**-3250K**	-	-	-	**-5070K**
L 1010E	**07**							**-4550K**							
R 1212F	**07**	12	12	80	18	16		**-4560K**	-	-	**-3250K**	-	-	-	**-5070K**
L 1212F	**07**							**-4570K**							
R 1212F	**11**	12	12	80	18	16		**-4580K**	-	-	**-3400K**	-	-	-	**-5150K**
L 1212F	**11**							**-4590K**							
R 1616H	**11**	16	16	100	22	20		**-4620K**	**-2246K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
L 1616H	**11**							**-4630K**							
R 2020K	**11**	20	20	125	22	25		**-4640K**	**-2246K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
L 2020K	**11**							**-4650K**							
R 2525M	**11**	25	25	150	22	32		**-4660K**	**-2246K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
L 2525M	**11**							**-4670K**							

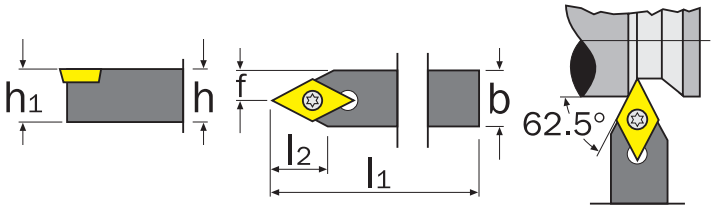
SDNC N

62.5° approach for 7° positive
55° rhombic inserts.



Inserts See Group 120
Size **07** = 0702__
Size **11** = 11T3__
DC_T





Spares to Suit Contact your local branch for prices

Designation SDNC....		Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
									Order Code **IND-107**						
N 1010E	**07**	10	10	70	16	5.0		**-4720K**	-	-	**-3250K**	-	-	-	**-5070K**
N 1212F	**07**	12	12	80	18	6.0		**-4740K**	-	-	**-3250K**	-	-	-	**-5070K**
N 1616H	**11**	16	16	100	22	8.0		**-4780K**	**-2246K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
N 2020K	**11**	20	20	125	22	10.0		**-4800K**	**-2246K**	**-1570K**	**-3400K**	-	-	-	**-5150K**

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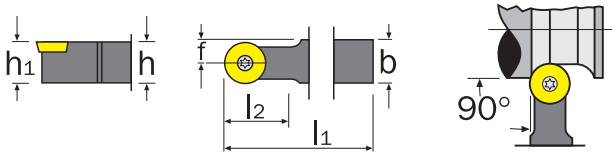
SRDC N

90° approach for positive round inserts.

Inserts See Group 120
Sizes **06** = 0602MO.
Sizes **08** = 0803MO.
RC_M **RC_T**





Spares to Suit Contact your local branch for prices

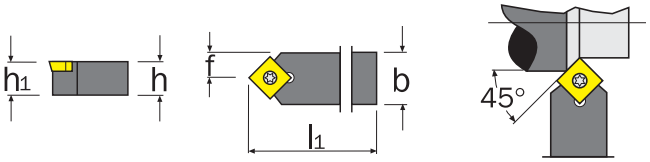
Designation SRDC....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Insert Screw						Torx Key
								Order Code **IND-107**						
N 2020K **06**	20	20	125	20	13.0		**-4950K**	**-3250K**	-	-	-	-	-	**-5070K**
N 2020K **08**	20	20	125	20	14.0		**-4960K**	**-3264K**	-	-	-	-	-	**-5090K**
N 2525M **06**	25	25	150	25	15.5		**-4970K**	**-3250K**	-	-	-	-	-	**-5070K**
N 2525M **08**	25	25	150	25	16.5		**-4980K**	**-3264K**	-	-	-	-	-	**-5090K**

SSDC N

45° approach for 7° positive square inserts.

Inserts See Group 120
Sizes **09** = 09T3___
Sizes **12** =1204___
SC_T





Spares to Suit Contact your local branch for prices

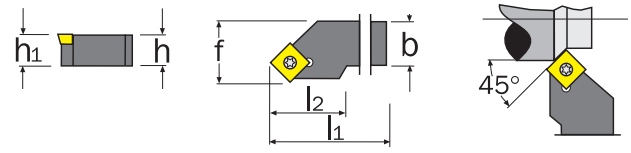
Designation SSDC....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
								Order Code **IND-107**						
N 1212F **09**	12	12	80	-	6		**-5160K**	-	-	**-3270K**	-	-	-	**-5150K**
N 1616H **09**	16	16	100	-	8		**-5180K**	-	-	**-3270K**	-	-	-	**-5150K**
N 2020K **12**	20	20	125	-	10		**-5200K**	**-2090K**	**-1575K**	**-1275K**	-	-	-	**-5200K**

SSSC R/L

45° approach for 7° positive square inserts.

Inserts See Group 120
Size **09** = 09T3___
Size **12** =1204___
SC_T





Spares to Suit Contact your local branch for prices

Designation SSSC....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
								Order Code **IND-107**						
R 1212F **09**							**-5310K**	-	-	**-3270K**	-	-	-	**-5150K**
R 1616H **09**	16	16	100	22	20		**-5350K**	-	-	**-3270K**	-	-	-	**-5150K**
R 2020K **12**	20	20	125	22	25		**-5390K**	**-2090K**	**-1570K**	**-1275K**	-	-	-	**-5200K**

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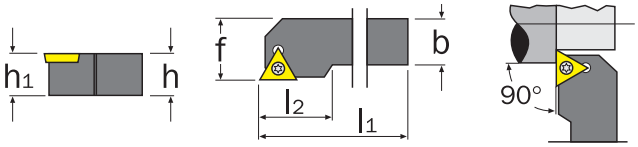
STGC R/L

90° approach for
7° positive triangular inserts.



Inserts See Group 120
Sizes **11** = 1102__
Sizes **16** = 16T3__
TC_T



Spares to Suit Contact your local branch for prices

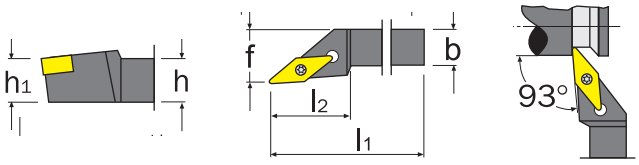
Designation STGC....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
								Order Code **IND-107**						
R 1212F **11**	12	12	80	18	16		**-5660K**	-	-	**-3250K**	-	-	-	**-5070K**
R 1616H **11**	16	16	100	22	20		**-5680K**	-	-	**-3250K**	-	-	-	**-5070K**
R 2020K **16**	20	20	125	22	25		**-5740K**							
L 2020K **16**							**-5750K**	**-2087K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
R 2525M **16**	25	25	150	22	32		**-5760K**	**-2087K**	**-1570K**	**-3400K**	-	-	-	**-5150K**

SVJN R/L

93° approach for
35° negative rhombic inserts.



Inserts See Group 120
Size **12** = 12T3___
VN_G



Spares to Suit Contact your local branch for prices

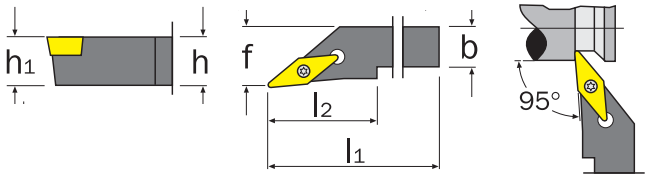
Designation SVJN....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106			Insert Screw				Torx Key	Hex Key
										Order Code **IND-107**					Order Code **KEN-601**
R 2020K **12**	20	20	125	22	25		**-5830K**								
L 2020K **12**							**-5840K**	-	-	**-3520K**	-	-	-	**-5090K**	**-0080K**
R 2525M **12**	25	25	150	31	32		**-5850K**	-	-	**-3520K**	-	-	-	**-5090K**	-

SVLB R/L

95° approach for 5° positive
35° rhombic inserts.



Inserts See Group 120
Size : **16** = 1604
VB_T **VB_A** **VB_M**



Spares to Suit Contact your local branch for prices

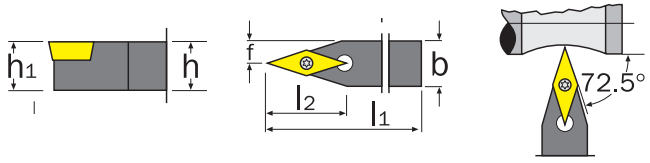
Designation SVLB....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
								Order Code **IND-107**						
R 2020K **16**	20	20	125	42	25		**-5940K**							
L 2020K **16**							**-5950K**	**-2910K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
R 2525M **16**	25	25	150	42	32		**-6020K**							
L 2525M **16**							**-6030K**	**-2910K**	**-1570K**	**-3400K**	-	-	-	**-5150K**

SVVB N

72.5° approach for 5° positive
35° rhombic inserts.



Inserts See Group 120
Size : **16** = 1604
VB_T **VB_A** **VB_M**



Spares to Suit Contact your local branch for prices

Designation SVVB....	Dimensions (mm) h=h1	b	l1	l2	f	Weight each	Order Code IND-106	Shim	Shim Screw	Insert Screw				Torx Key
								Order Code **IND-107**						
N 2020K **16**	20	20	125	28	10.6		**-6080K**	**-2910K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
N 2525M **16**	25	25	150	28	13.1		**-6100K**	**-2910K**	**-1570K**	**-3400K**	-	-	-	**-5150K**
N 3225P **16**	32	25	170	28	13.1		**-6120K**	**-2910K**	**-1570K**	**-3400K**	-	-	-	**-5150K**

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Top Clamp Boring Bars

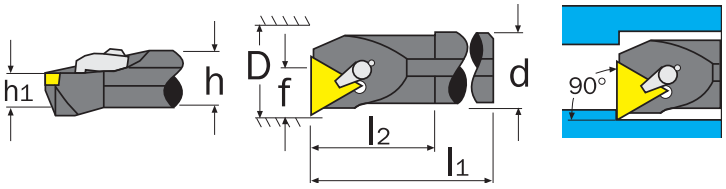
CTFP R/L

90° approach for 11° positive triangular inserts.

Inserts See Group 120
Sizes **11** = 1103__
Sizes **16** = 1603__

TP_R **TP_N**





Spares to Suit Contact your local branch for prices

ISO Designation	dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Clamp Set					Hex Key
										Order Code **IND-107**								Order Code **KEN-601**
S12M CTFPR **11**	12	11	5.5	150	25	9	16		**-6400K**	-	-	**-4250K**	-	-	-	-	**-1250K**
S16R CTFPR **11**	16	15	7.5	200	30	11	20		**-6410K**	-	-	**-4210K**	-	-	-	-	**-1250K**
S20S CTFPR **11**	20	18	9.0	250	35	13	24		**-6420K**	-	-	**-4210K**	-	-	-	-	**-1250K**
S25T CTFPR **16**	25	23	11.5	300	40	17	31		**-6460K**	-	-	**-4220K**	-	-	-	-	**-1300K**
S32U CTFPR **16**	32	30	15.0	350	50	22	39		**-6480K**	**-2050K**	**-2950K**	**-4300K**	-	-	-	-	**-1300K**

Top Clamp & Pin Lock Boring Bars

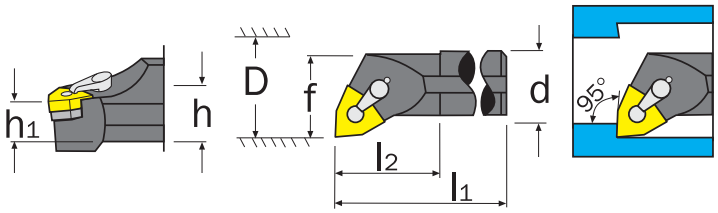
MWLN R/L

95° approach for 80° negative trigon inserts.

Inserts See Group 120
Sizes **08** = 0804__

WN_A **WN_G**





Spares to Suit Contact your local branch for prices

ISO Designation	dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Lock Pin	Clamp Set	Clamp Screw			Shim Key	Hex Key
										Order Code **IND-107**							Order Code **KEN-601**	
S25T MWLNR **08**	25	23	11.5	300	40	17	31		**-6770K**								
S25T MWLNL **08**	25	23	11.5	300	40	17	31		**-6772K**	-	**-1490K**	**-0940K**	**-1880K**	-	-	**-1250K**	**-1500K**
S32U MWLNR **08**	32	30	15.0	350	50	22	39		**-6776K**	**-2920K**	**-1680K**	**-0940K**	**-1880K**	-	-	**-1250K**	**-1500K**
S40V MWLNR **08**	40	37	18.5	400	60	27	48		**-6782K**	**-2920K**	**-1680K**	**-0940K**	**-1880K**	-	-	**-1250K**	**-1500K**

Lever Lock Boring Bars

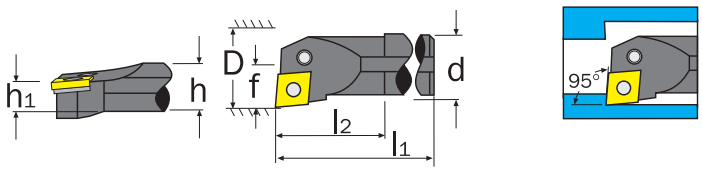
PCLN R/L

95° approach for 80° negative rhombic inserts.

Inserts See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **16** = 1606__

CN_A **CN_G**





Spares to Suit Contact your local branch for prices

ISO Designation	dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
										Order Code **IND-107**								Order Code **KEN-601**
S25T PCLNR **09**	25	23	11.5	300	33	17.0	32		**-6800K**	-	**-3050K**	**-0950K**	**-1450K**	-	-	-	**-1250K**
S25T PCLNR **12**	25	23	11.5	300	40	17.0	31		**-6820K**	-	**-3100K**	**-1150K**	**-1450K**	-	-	-	**-1250K**
S25T PCLNL **12**									**-6830K**								
S32U PCLNR **12**	32	30	15.0	350	50	22.0	39		**-6840K**	**-2150K**	**-3100K**	**-1260K**	**-1500K**	-	-	-	**-1300K**
S32U PCLNL **12**									**-6850K**								
S40V PCLNR **12**	40	37	18.5	400	60	27.0	48		**-6860K**	**-2150K**	**-3100K**	**-1260K**	**-1500K**	-	-	-	**-1300K**
S40V PCLNL **12**									**-6870K**								
S50W PCLNR **16**	50	47	23.5	450	65	35.0	61		**-6880K**	**-2860K**	**-3150K**	**-1220K**	**-1590K**	-	-	-	**-1300K**

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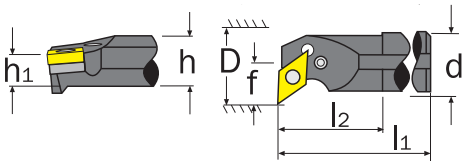
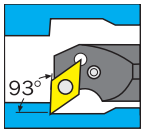
PDUN R/L

93° approach for 55° negative rhombic inserts.

Inserts See Group 120
Sizes **11** = 1104__
Sizes **15** = 1506__
DN_A **DN_G**







Spares to Suit Contact your local branch for prices

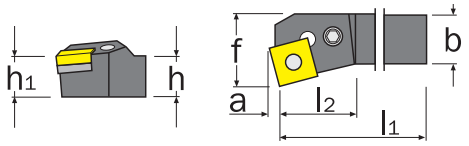
ISO Designation		dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
											Order Code **IND-107**							Order Code **KEN-601**
S25T PDUNR	**11**	25	25	15.0	300	50	22	30		**-6940K**	**-2800K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
S32U PDUNR	**15**	32	30	15.0	350	50	22	39		**-6960K**	**-2250K**	**-3100K**	**-1100K**	**-1500K**	-	-	-	**-1300K**
S40V PDUNR	**15**	40	37	18.5	400	60	27	48		**-6980K**	**-2250K**	**-3100K**	**-1100K**	**-1410K**	-	-	-	**-1300K**

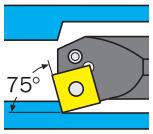
PSKN R

75° approach for negative square inserts.

Inserts See Group 120
Sizes **12** = 1204__
SN_G







Spares to Suit Contact your local branch for prices

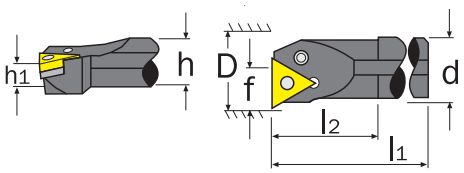
ISO Designation		dg7	h	h1	l1	l2	f	a	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
												Order Code **IND-107**							Order Code **KEN-601**
S25T PSKNR	**12**	25	23	11.5	300	40	17	3.1	31		**-7020K**	-	-	**-1150K**	**-1450K**	-	-	-	**-1250K**

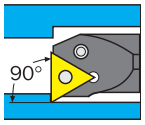
PTFN R/L

90° approach for negative triangular inserts.

Inserts See Group 120
Sizes **16** = 1604__
Sizes **22** = 2204__
TN_G







Spares to Suit Contact your local branch for prices

ISO Designation		dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
											Order Code **IND-107**							Order Code **KEN-601**
S25T PTFNR	**16**	25	23	11.5	300	40	17	31		**-7200K**	-	-	**-1000K**	**-1350K**	-	-	-	**-1200K**
S32U PTFNR	**16**	32	30	15.0	350	50	22	39		**-7240K**	**-2450K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**

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CUTTING TOOLS

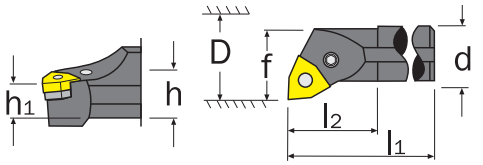
INDEXA-SEIKI **Lever Lock Boring Bars** Continued

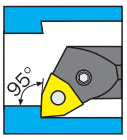
PWLN R/L

95° approach for negative 80° Trigon inserts.



Inserts See Group 120
Sizes **06** = 0604__
Sizes **08** = 0804__
WN_G





Spares to Suit Contact your local branch for prices

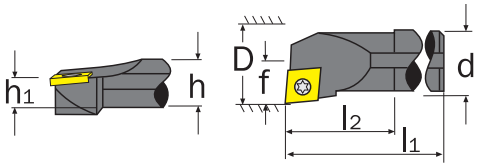
ISO Designation		dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Shim	Shim Pin	Lever	Lever Screw				Hex Key
											Order Code **IND-107**							Order Code **KEN-601**
S16R PWLNR	**06**	16	15	9	200	44	10	19		**-7320K**	-	-	**-1000K**	**-1350K**	-	-	-	**-1250K**
S20S PWLNR	**06**	20	18	9	250	42	12	23		**-7324K**	-	-	**-1000K**	**-1350K**	-	-	-	**-1250K**
S25T PWLNR	**06**	25	23	15	300	45	15.5	30		**-7328K**	**-2083K**	**-3050K**	**-0950K**	**-1300K**	-	-	-	**-1250K**
S25T PWLNR	**08**	25	23	11.5	300	40	17	31		**-7334K**	-	-	**-1260K**	**-1500K**	-	-	-	**-1300K**

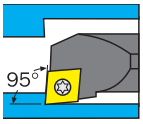
Screw-On Boring Bars SCLC R/L

95° approach for 7° positive 80° rhombic inserts.



Inserts See Group 120
Sizes **06** = 0602 __
Sizes **09** = 09T3__
CC_T





Spares to Suit Contact your local branch for prices

ISO Designation		dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Insert Screw						Torx Key
											Order Code **IND-107**						
S08K SCLCR	**06**	8	7	3.5	125	16	5	11		**-7380K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S08K SCLCL	**06**									**-7390K**								
S10M SCLCR	**06**	10	9	4.5	150	25	7	13		**-7400K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S10M SCLCL	**06**									**-7410K**								
S12M SCLCR	**06**	12	11	5.5	150	30	9	17		**-7435K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S12Q SCLCR	**09**	12	11	5.5	180	30	9	17		**-7440K**	-	**-3350K**	-	-	-	-	-	**-5150K**
S12Q SCLCL	**09**									**-7450K**								
S16R SCLCR	**09**	16	15	7.5	200	30	11	20		**-7480K**	-	**-3350K**	-	-	-	-	-	**-5150K**
S16R SCLCL	**09**									**-7490K**								
S20S SCLCR	**09**	20	18	9	250	35	13	24		**-7500K**	-	**-3350K**	-	-	-	-	-	**-5150K**
S20S SCLCL	**09**									**-7510K**								
S25T SCLCR	**09**	25	23	11.5	300	40	17	31		**-7520K**	-	**-3350K**	-	-	-	-	-	**-5150K**

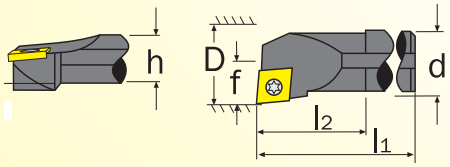
Screw-on Boring Bars (Through Coolant)

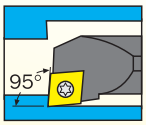
95° approach. Uses CCMT 06 inserts.

WITH THROUGH COOLANT

Inserts See Group 120
Sizes **06** = 0602 __
CC_T







ISO Designation		dg7	h	l1	l2	f	Dmin	Weight each	Order Code IND-106
A0608H SCLC	**06**	6	7	100	25	4	8		**-7530K**
A0810J SCLC	**06**	8	9	110	32	6	12		**-7532K**
A01012K SCLC	**06**	10	11	125	38	7	14		**-7534K**
A01216M SCLCR	**06**	12	15	150	50	9	18		**-7536K**
Set of all 4 above									**-9980K**

QBC-06 Quad Bore Holder Set – SCLC R

A set featuring 4 SCLCR 95° approach screw-on boring bars in 6, 8, 10 and 12mm diameter, the bars use a CCMT 06 insert. For small diameter bores on manual and CNC lathes.



Spares to Suit Contact your local branch for prices

Insert Screw							Torx Key
Order Code **IND-107**							
-	**-5240K**	-	-	-	-	-	**-5070K**

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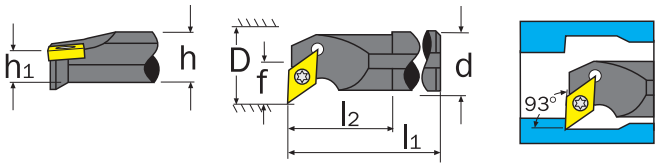
Screw-on Boring Bars

SDUC R/L

93° approach for 7° positive 55° rhombic inserts.

Inserts See Group 120
Sizes **07** = 0702__
Sizes **11** = 11T3__
DC_T





Spares to Suit Contact your local branch for prices

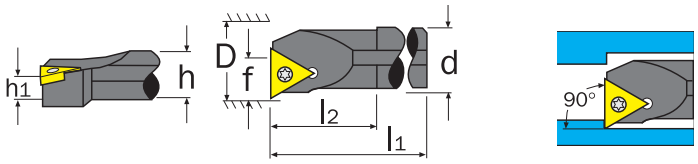
ISO Designation	Dimensions (mm) dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Insert Screw						Torx Key
										Order Code **IND-107**							
S12Q SDUCR **07** / S12Q SDUCL **07**	12	11	5.5	180	25	9	16		**-7660K** / **-7670K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S16R SDUCR **07** / S16R SDUCL **07**	16	15	7.5	200	30	11	20		**-7680K** / **-7690K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S20S SDUCL **07**	20	18	9.0	250	35	13	24		**-7710K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S20S SDUCR **11** / S20S SDUCL **11**	20	18	9.0	250	35	13	24		**-7720K** / **-7730K**	-	**-3270K**	-	-	-	-	-	**-5150K**
S25T SDUCR **11** / S25T SDUCL **11**	25	23	11.5	300	40	17	31		**-7740K** / **-7750K**	-	**-3270K**	-	-	-	-	-	**-5150K**

STFC R/L

90° approach for 7° positive triangular inserts.

Inserts See Group 120
Sizes **11** = 1102__
Sizes **16** = 16T3__
TC_T





Spares to Suit Contact your local branch for prices

ISO Designation	Dimensions (mm) dg7	h	h1	l1	l2	f	Dmin	Weight each	Order Code IND-106	Insert Screw						Torx Key
										Order Code **IND-107**							
S10K STFCR **11**	10	9	4.5	125	25	7	13		**-7840K**	-	**-3260K**	-	-	-	-	-	**-5060K**
S12Q STFCR **11**	12	11	5.5	180	25	9	16		**-7880K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S16R STFCR **11**	16	15	7.5	200	30	11	20		**-7920K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S20S STFCR **11**	20	18	9.0	250	35	13	24		**-7940K**	-	**-3250K**	-	-	-	-	-	**-5070K**
S25T STFCR **16**	25	23	11.5	300	40	17	31		**-7955K**	-	**-3270K**	-	-	-	-	-	**-5150K**

Screw-On Carbide Shank Boring Bars with Through Coolant

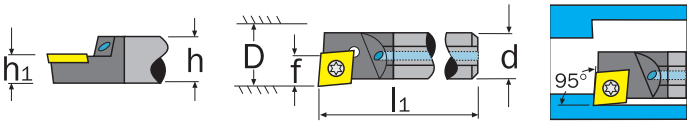
SCLC R/L

95° approach for 7° positive 80° rhombic inserts.

Inserts See Group 120
Sizes **06** = 0602 __
Sizes **09** = 09T3__
CC_T

CARBIDE





Spares to Suit Contact your local branch for prices

ISO Designation	Dimensions (mm) řh8	h1	h	l1	f	Dmin	Weight each	Order Code IND-106	Insert Screw							Torx Key
									Order Code **IND-107**							
E10M SCLCR **06**	10	5	9	150	5.5	12		**-7340K**	**-3248K**	-	-	-	-	-	-	**-5080K**
E12M SCLCR **06**	12	6	11	150	6.5	14		**-7420K**	**-3248K**	-	-	-	-	-	-	**-5080K**
E16R SCLCR **09**	16	8	14	200	8.5	18		**-7460K**	**-3350K**	-	-	-	-	-	-	**-5150K**

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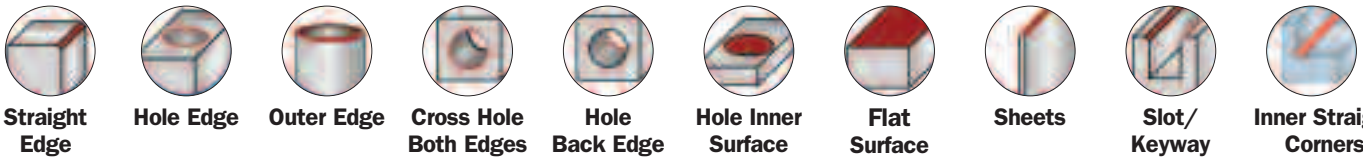
GROUP 109 **DEBURRING TOOLS**

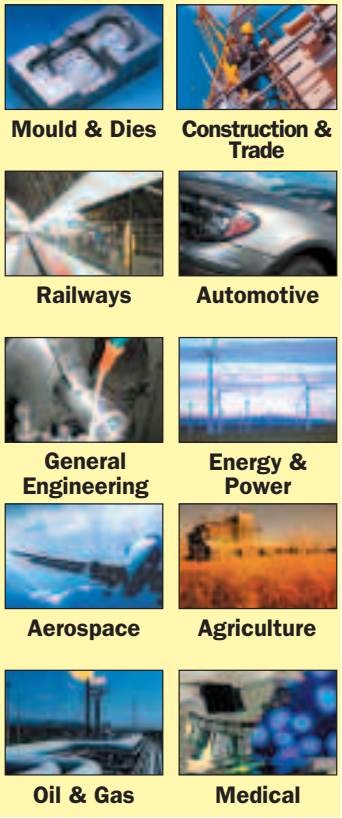
SWISS+BURR *Modular Deburring Tools*

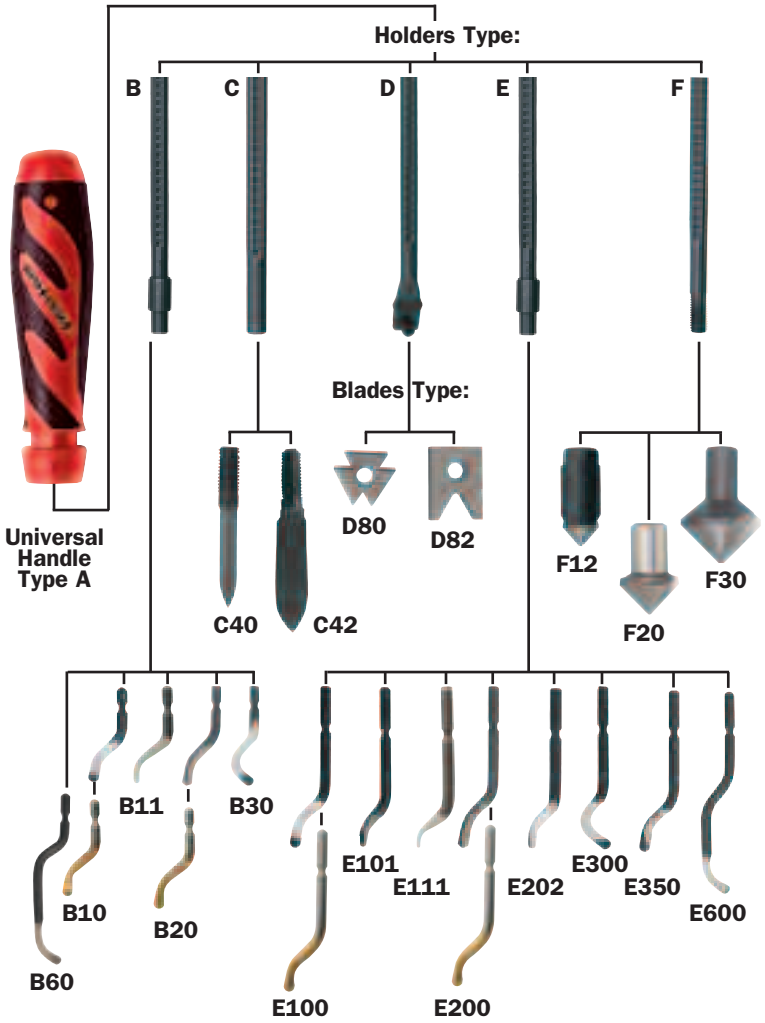
An interchangeable system of handle, holders and blades designed to cover all hand applications of deburring.
Made up of HSS and carbide blades, countersinks and scrapers along with ergonomically designed handles.
This is one of the most comprehensive ranges available.
Blades are interchangeable with commonly available brands including Kennedy®, Noga®, Ruko®, Seco®, Snap-Tap® and Stellram®.

Application Range

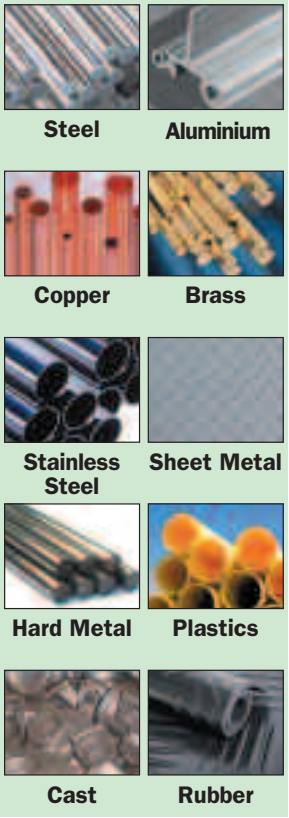


Industry Sectors





Material Range



Universal Ergonomic Handle

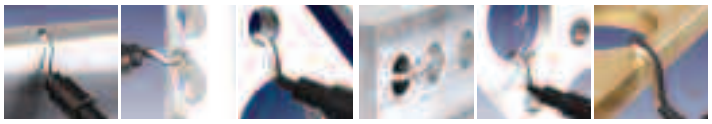
Modern ergonomic handle design, with an easy to use spring release mechanism. Pulling back on the locking head collar releases the telescopic blade holder for optimal length.
Works with all **SWISS+BURR** holders and blades.



Type	To Suit	Weight each	Order Code **SWT-109**
A	B, C, D, E & F Holders	130g	**-1010A**

Holders

Type	Suitable For Type	Weight each	Order Code **SWT-109**
B	B Blades	50g	**-1020B**
C	C Scrapers	40g	**-1200K**
D	D Corner Chamfering Blades	50g	**-1300R**
E	E Blades	40g	**-1400A**
F	F Countersinks	50g	**-1600P**



Heavy Duty Slim Grip Handle
SB2000

SWISS+BURR hand deburring tools are a fast, effective and efficient way of deburring holes, slots and edges. **SWISS+BURR** is a totally modular system of interchangeable handles, holders and blades designed to cover all applications. A choice of HSS or carbide blades, countersinks and scrapers are available to suit your specific application. **SWISS+BURR** blades are also interchangeable with commonly available brands including Kennedy®, Noga®, Ruko®, Seco®, Snap-Tap® and Stellram®.



Type	Suitable for Type	Weight each	Order Code **SWT-109**
SB2000	E Blades		**-6010A**

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SWISS+BURR Modular Deburring Tools

Application Table (by Material)

Material / Blade	Steel	Aluminium	Copper	Brass	Cast Iron	Plastics	Stainless Steel	Hardened Steels
B10	●	●	●			●		
B10 TiN	●	●	●			●	●	
B10 HSSCo	●	●	●			●	●	
B11	●	●	●			●		
B20				●	●	●		
B20 TiN				●	●	●		
B30	●	●	●			●		
B60	●	●	●			●		
C40/C42	●	●	●	●	●	●	●	
D80/D82	●	●	●	●	●	●	●	●
E100/E101	●	●	●			●		
E100 TiN	●	●	●				●	●
E111	●	●	●			●		
E200/E202				●	●	●		
E200 TiN				●	●	●		
E300	●	●	●			●		
E350				●	●			
E600	●	●	●			●		
F12/F20/F30	●	●	●	●	●	●	●	
N80	●	●	●			●	●	
N80K	●	●	●	●	●	●	●	

Light Duty Blades

B10
HSS Blade for straight and hole edge deburring.







B11
B10 geometry with thin nose for small diameter holes down to 2mm.



B20
HSS Blade for straight and hole edge deburring, blade design allows clockwise and anti-clockwise movement.





B30
HSS Blade for Cross-Hole and both edges, blade will simultaneously deburr the inside and outside of the hole. For use on holes up to 4mm thick.



B60
HSS Blade for deburring back edges on holes, will remove burrs from the back edge of holes up to 20mm thick.



Type	Description	Weight each	Order Code SWT-109
B10	Steel & Aluminium	30g/10	**-1030C**
B10 TiN	Steel & Aluminium	30g/10	**-1031B**
B10 HSSCo	Steel & Aluminium	30g/10	**-1031M**
B11	Steel & Aluminium	30g/10	**-1032C**
B20 TiN	Steel & Aluminium	30g/10	**-1041B**
B20	Brass & Cast Iron	30g/10	**-1040D**
B30	Sheet & Tubing, Front & Rear Cut	20g/10	**-1050E**
B60	Rear Cut - Extra Length	30g/10	**-1060F**

Modular Deburring Tools

Heavy Duty Blades

E100E100S

EXTENDED RANGE



HSS heavy duty blade for use on straight and hole edges, for deburring materials with spiral chips. E100S has additional cobalt content for use on hardened materials.

E101



HSS heavy duty blade for use on straight and hole edges, E style shank with B10 cutting geometry, for use on materials with spiral chips and holes with minimum diameter of 2mm.

E111



HSS heavy duty blade is for straight and hole edge deburring, for use on materials with spiral chips, steel, aluminium, copper and plastic.

E200



HSS heavy duty blade for use on straight and hole edges, blade design allows clockwise and anti-clockwise movement for use on materials with powdery chips.

E202



HSS heavy duty blade for use on straight and hole edges, E style shank with B20 cutting geometry, blade design allows clockwise and anti clockwise movement for use on materials with powdery chips.

E300



HSS heavy duty blade for use on cross-hole and both edges, blade will simultaneously deburr the inside and outside of the hole up to 6.mm thick. For use on materials with spiral chips.

E350



HSS heavy duty blade for use on straight and hole edges, blade design allows clockwise and anti-clockwise movement for use on materials with powdery chips.

E600



Heavy duty blade for removing burrs from the back edges of holes up to 20mm thick.

Type	Description	Weight each	Order Code SWT-109
E100	Steel & Aluminium	40g/10	**-1420C**
E100 TiN	Steel & Aluminium	40g/10	**-1421B**
E100S	Steel & Aluminium	40g/10	**-1422C**
E101	Steel & Aluminium, Extra Fine Point	50g/10	**-1430D**
E111	Steel & Aluminium	40g/10	**-1431B**
E200	Brass & Cast Iron	40g/10	**-1440E**
E200 TiN	Steel & Aluminium	40g/10	**-1441B**
E202	Brass & Cast Iron, Extra Fine Point	40g/10	**-1450F**
E300	Sheet & Tubing, Front & Rear Cut	50g/10	**-1460G**
E350	For Deburring Grooves	40g/10	**-1480J**
E600	Rear Cut - Extra Length	30g/ 5	**-1500L**

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SWISS+BURR B4 Hand Deburring Set

The **SWISS+BURR™** B4 deburring set is a popular choice for deburring holes, slots and edges on metals and plastics.

The B4 set contains: SWISS+BURR™ 1x universal handle, 1x B-holder, B10 and B20 blades.

4 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
4	B4 Hand Deburring Set		-5020B

E5 Heavy Duty Hand Deburring Set

For holes, slots and edges.
The **SWISS+BURR™** E-Type modular hand deburring system is supplied with high speed steel blades, and scrapers along with an ergonomically designed handle and blade holder.

The E5 set contains: SWISS+BURR™ 1x universal handle, 1x E-holder, 1x E100 blade, 1x E101 blade, 1x E200 blade.

5 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
5	E5 Hand Deburring Set		-5050E

B & C Standard Duty Deburring & Scraping Set

The **SWISS+BURR™** B & C Standard Duty Deburring and Scraping Set is ideal for general deburring and scraping use on holes, slots and edges.

The set contains: SWISS+BURR™ 1x Type A universal handle, 1x Type B Blade holder, 1x B10, 1x B11, 1x B20 TiN, 1x B30, 1x B60, 1x B70 carbide tipped, 1x Type C scraper and 1x C40 triangular scraper.

11 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
11	B & C Deburring Set		-5021B

E7 Heavy Duty Hand Deburring Set

For holes, slots and edges.
Modern ergonomic handle design, with an easy to use spring release mechanism. Pulling back on the locking head collar releases the telescopic blade holder for optimal length.
Works with all **SWISS+BURR™** holders and blades.

The E7 set contains: SWISS+BURR™ 1x universal handle, 1x E-holder, 1x E100 blade, 1x E101 blade, 1x E200 blade, 1x E202 blade, 1x E300 blade.

7 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
7	E Hand Deburring Set		-5060F

E & C Heavy Duty Deburring & Scraping Set

The **SWISS+BURR™** E & C Standard Duty Deburring and Scraping Set is ideal for intense deburring and scraping use on holes, slots and edges.

The set contains: SWISS+BURR™ 1x Type A universal handle, 1x Type C scraper, 1x C42 triangular scraper, 1x Type E blade holder, 1x E100 TiN blade, 1x E111 blade, 1x E200 blade, 1x E300 two sided blade, 1x E600 rear cutting blade and 1x E700 blade.

11 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
11	E & C Heavy Duty Set		-5061B

Diamond Coated Filing & Deburring Set

The set contains: SWISS+BURR™
1x extra close handle, 1x E100S and 1x E400 blades plus five different shaped diamond coated files: rectangular, square, triangular, round and half round.

8 PIECES







Number of Pieces	Description	Weight each	Order Code SWT-109
8	Filing & Deburring Set		-1350Z

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SWISS+BURR C3 Hand Scraper Set

Three cutting edges which when combined with a telescopic holder allow easy access to deburr small holes etc in difficult positions.

The C3 set contains: SWISS+BURR™ 1x ergonomic handle, 1x **C** type blade holder, and 1x **C42** blade.

3 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
3	C3 Scraper Set		-5030C

Scraper Blades

C40 HSS Small Triangular Scraper (4.00mm)
For precision work on back edge and inner surface of holes and flat surfaces.



C42 HSS Small Triangular Scraper (8.00mm)
For precision work on back edge and inner surface of holes and flat surfaces.



Type	Description	Weight each	Order Code SWT-109
C40	Triangular 4 x 20mm	10g	-1220M
C42	Triangular 8 x 30mm	10g	-1230N

D3 Hand Deburring Set

For scraping surfaces and deburring sheet metal up to 3mm thick.

The D3 set contains: SWISS+BURR™ 1x ergonomic handle, 1x **D** type blade holder and 1x **D80** blade.

3 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
3	D3 Hand Deburring Set		-5040D

Corner Chamfering Blades

D80 Solid Carbide Blade
For sheet metal and flat surfaces, for scraping surfaces and deburring sheet metal up to 3mm thick.

D82 Solid Carbide Heavy Duty Blade
With double edge for deburring sheet metal, for deburring sheet metal up to 9mm thick.



Type	Description	Weight each	Order Code SWT-109
D80	Sheet up to 3mm	5g	-1340V
D82	Sheet up to 8mm	9g	-1350W

DB3 Double Burr Hand Deburring Set

For deburring materials with single or double straight edges up to 14.00mm thick. Blade holder fitted with safety hand guard.

The DB3 set contains: SWISS+BURR™ 1x ergonomic handle, 1x blade holder and 2x **N80** blades.

3 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
3	DB3 Double Burr Hand Deburring Set		-2400K

N80 Replacement Blade
HSS double edged round blade for straight edge and sheet metal deburring on materials with spiral chips.



Type	Description	Weight each	Order Code SWT-109
N80	Blade for Type DB3	10g/2	-2080M

F3 Hand Chamfering & Countersinking Set

For hole edges up to 20.00mm.

The F3 set contains:
SWISS+BURR™ 1x ergonomic handle, 1x **F** type blade holder and 1x **F20** countersink.

3 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
3	B4 Deburring Set		-5070G

Countersinks - 90° Included Angle

F12
HSS countersink for hole edges up to 12mm dia.

F20
HSS countersink for hole edges up to 20mm dia.

F30
HSS countersink for hole edges up to 30mm dia.



Type	Description	Weight each	Order Code SWT-109
F12 (C12)	Drilled holes up to 12mm Diameter	30g/1	-1610Q
F20 (C20)	Drilled holes up to 20mm Diameter	30g/1	-1620R
F30 (C30)	Drilled holes up to 30mm Diameter	90g/1	-1630S

KB3 Keyway Burr Hand Deburring Set

3 Piece Set
For deburring and cleaning edges of internal and external keyways and slots up to 15mm.

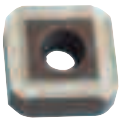
The KB3 set contains: SWISS+BURR™ 1x ergonomic handle, 1x blade holder and 1x **N80K** blade.

3 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
3	KB3 Keyway Hand Deburring Set		-2500M

N80K Replacement Blade
HSS blade with eight cutting edges for slots and keyways up to 15.00mm wide.



Number of Pieces	Description	Weight each	Order Code SWT-109
N80K	Blade for Type KB3	10g/2	-2090N

Mini Burr Set

Lightweight reinforced plastic handle with easy grip and pocket clip. Handle will hold all **E** style heavy duty blades, supplied with 1x **E100** blade. Removable cap for blade storage.

2 PIECES



Number of Pieces	Description	Weight each	Order Code SWT-109
2	Mini Burr Set		-2600P

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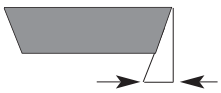
1 Shape

Symbol	Shape	Nose Angle	Figure
H	Hexagonal	120°	
O	Octagonal	135°	
P	Pentagonal	108°	
S	Square	90°	
T	Triangular	60°	
C	Rhombic	80°	
D		55°	
E		75°	
F		50°	
M		86°	
V		35°	
W	Trigon	80°	
L	Rectangular	90°	
A	Parallelogram	85°	
B		82°	
K		55°	
R	Round	-	

2 Relief Angle

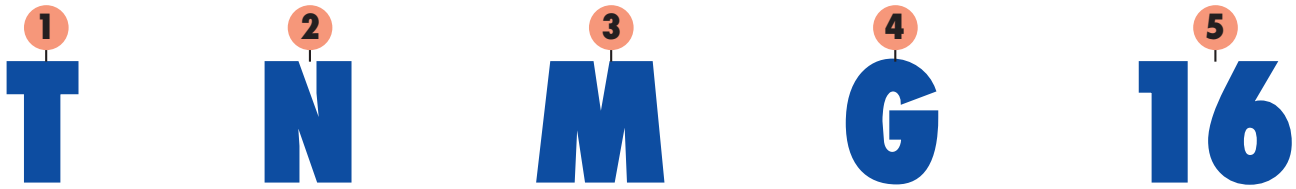
Symbol	Relief Angle
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0
P	11°
O	Others



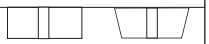
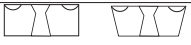
3 Accuracy

Symbol (class)	Tolerance (mm)		
	Corner Height (m)	Thickness (s) (s)	I.C. Dia. (d)
A	±0.005	±0.025	±0.025
F	±0.005	±0.025	±0.013
C	±0.013	±0.025	±0.025
H	±0.013	±0.025	±0.013
E	±0.025	±0.025	±0.025
G	±0.025	±0.13	±0.025
J	±0.025	±0.13	±0.05 / ±0.13 *
K	±0.01	±0.025	±0.05 / ±0.13 *
L	±0.025	±0.025	±0.05 / ±0.13 *
M	±0.08 / ±0.18 *	±0.13	±0.05 / ±0.13 *
N	±0.08 / ±0.18 *	±0.025	±0.05 / ±0.13 *
U	±0.13 / ±0.38 *	±0.13	±0.08 / ±0.25 *

* Details of accuracy will vary according to shape and size of insert - futher details are available on request.



4 Groove and Hole

Symbol	Shape of Hole	Chipbreaker	Shape
N	Without Hole	Without	
R		Single-sided	
F		Double-sided	
A	Cylindrical Hole	Without	
M		Single-sided	
G		Double-sided	
W	With partly cylindrical hole, double-side 40° - 60°	Without	
T		Single-sided	
Q	With partly cylindrical hole, double-side 40° - 60° Countersink	Without	
U		Double-sided	
B	With partly cylindrical hole, single-side 70° - 90° Countersink	Without	
H		Single-sided	
C	With partly cylindrical hole, single-side 70° - 90° Countersink	Without	
J		Double-sided	
X	Special Type		

5 Cutting Edge Length

R		S		C		W		T		D		V		K		I.C. dia. (mm)
Symbol	Length	Symbol	Length	Symbol	Length	Symbol	Length	Symbol	Length	Symbol	Length	Symbol	Length	Symbol	Length	
03	3.97	03	3.97	03	4.0	02	2.7	06	6.9	04	4.8	-	-	-	-	3.97
-	-	04	4.76	04	4.8	L3	-	08	8.2	05	5.8	-	-	-	-	4.76
05	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0
-	-	05	5.56	05	5.6	03	3.8	09	9.6	06	6.8					5.56
06	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0
-	-	06	6.35	06	6.5	04	4.3	11	11.0	07	7.8	-	-	-	-	6.35
-	-	07	7.94	08	8.1	05	5.4	13	13.8	09	9.7	-	-	-	-	7.94
08	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0
09	9.525	09	9.525	09	9.7	06	6.5	16	16.5	11	11.6	16	16.6	16	19.7	9.525
10	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0
12	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0
12	12.7	12	12.7	12	12.9	08	8.7	22	22.0	15	15.5	22	22.1			12.70
15	15.875	15	15.875	16	16.1	10	10.9	27	27.5	19	19.4					15.875
16	16.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0
19	19.05	19	19.05	19	19.3	13	13.0	33	33.0	23	23.3					19.05
20	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0
-	-	22	22.225	22	22.6			38	38.5	27	27.1					22.225
25	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.0
25	25.4	25	25.4	25	25.8			44	44.0	31	31.0	-	-	-	-	25.4
31	31.75	31	31.75	32	32.2			55	55.0	38	38.8	-	-	-	-	31.75
32	32.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.0

Note: For the insert shape "K", the rule for the relationship between the symbol and the dimension differs from those of other shapes.

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Detailed accuracy for **J, K, L, M, N,** and **U** classes
For inserts whose corner angle is larger than 55°

Inscribed circle	Tolerance on inscribed circle dia. (d)		Tolerance on corner height (m)		Insert Shapes applied
	J, K, L, M, N	U	J, K, L, M, N	U	
6.35	±0.05	±0.08	±0.08	±0.13	H M O R P S T C E M
9.525					
12.70	±0.08	±0.13	±0.13	±0.20	
15.875	±0.10	±0.18	±0.15	±0.27	
19.05					
25.40	±0.13	±0.25	±0.18	±0.38	

For D-type inserts whose corner angles are 55°

Inscribed circle	Tolerance on inscribed circle dia. (d)	Tolerance on corner height (m)	Insert Shapes applied
6.35	±0.05	±0.011	D
9.525			
12.70	±0.08	±0.15	
15.875	±0.10	±0.11	
19.05			

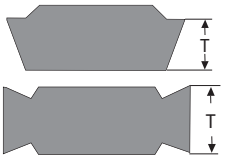
Note: The tolerance for shape V may be increased more than the value above.

7a Edge Preparation (Milling Inserts)

Rake Angle	χ_r
A	14°
D	60°
E	75°
F	85°
P	90°
Special	

Relief Angle	α_o
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
Z	Special

Note on insert thickness
For chipbreaker inserts, the thickness is defined as 'T' (height from the bottom face to the cutting edge) shown in the figure below



6 Thickness

Symbol	Thickness
01	1.59
02	2.38
T2	2.78
03	3.18
T3	3.97
04	4.76
05	5.56
06	6.35
07	7.94
09	9.52

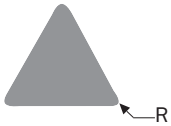


6 04 7 08 7a 8 T 9 N - 10 XX

(Optional Symbols)

7 Corner Radius

Symbol	Corner Radius (mm)
00	0.03
02	0.2
04	0.4
08	0.8
12	1.2
16	1.6
20	2.0
24	2.4
28	2.8
32	3.2



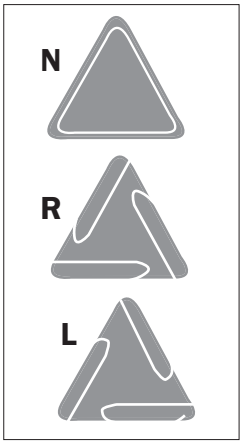
Radius (Turning Inserts)

8 Symbols of major cutting edge (Milling Inserts)

Symbol	Condition of Cutting Edge	Shape
F	Sharp Edge	
E	Honed Rounded edge	
T	Chamfered edge	
S	Combination Chamfered & honed edge	

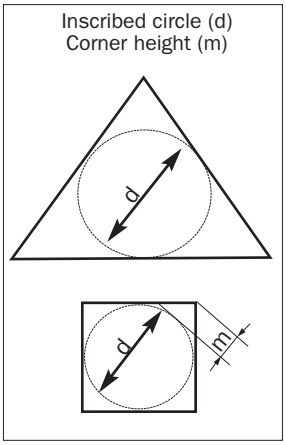
9 Hand of Insert

Symbol	Hand
R	Right
L	Left
N	Neutral



10 Chipbreaker

Chipbreakers are not part of ISO designation.
Each manufacturer designates a chipbreaker in their own way.



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Q-Series Grade Descriptions

QX500 (ISO **P10-P25**) Cerment. For high speed finishing and light cutting. Will remain a high class surface finish. Mainly used on steels and can be applied to finish some Stainless steels and Cast Irons.
QX505 (ISO **K05-K15**) Coated. Used for finishing, semi finishing and medium roughing of Cast Irons including Malleable and Nodular Irons, at high speed.
QX510 (ISO **P01-P15 M10-M15 K01-K20**) Coated. Used for finishing on Steels and Stainless Steels, suitable also for turning Cast Irons including Malleable irons at high speeds.

QX5020 (ISO **P10-P35 M10-M30 K10-K30**) CVD Coated. An excellent general purpose grade for medium roughing on Steels, Stainless and Cast Irons.
QX530 (ISO **P25-P35 M15-M25**) Coated. Turning grade for Steels, Cast Steels and Stainless Steels. A good general purpose Steel grade for roughing.
QX5030 (ISO **P20-P40 M20-M30**) CVD Coated.
Medium / rough turning and intermediate cutting of steel / stainless steel. Combination of toughest substrate and alumina coating (MT-TiCN + TiC + AL2O3 + TiN) having superior chipping resistance provide wide coverage.

QX535S (ISO **M10-M30**) CVD Coated. For roughing and finishing turning applications on a wide variety of Stainless Steels.
QX8010 (ISO **M10 S10**) Coated. Excellent grade giving superior results on heat resistant super alloys, especially for the aerospace industry. TiAlN based coating ensures high wear resistance on these demanding materials.
K10 (ISO **K05-K20**) Uncoated. Used in combination with a high rake geometry for matching Aluminiums, Plastics and other soft Non-Ferrous materials.

Material Group	Material Description Like Colour defines similar machineability	Brinell Hardness HB	Rockwell Hardness HRC	Tensile Strength N/mm²	QX500	QX505	QX510	QX5020	QX530	QX5030	QX535S	QX8010	K10
					Speed - m/min								
1.1	Mild, soft & free machining non-alloy low carbon steels	-130	- -	-400	200-270		200-300	180-350	150-200	150-200			
1.2	Non-alloy, case hardening, structural & low to medium carbon steels	-200		-700	180-250		200-300	150-320	130 180	130-180			
1.3	Non alloy, plain & medium carbon steels & castings	-260	-26	-850	150-220		200-300	130-280	110 150	120-150			
1.4	Generally low to medium alloy steels & castings	-260	-26	-850	140-210		170-250	140 210	110 140	120 140			
1.5	Medium to high alloy steels, tool steels & steel	260 -340	26 -48	850 -1200	140-200		140-200	130-200	100 120	100-120			
1.6	Heat treated high alloy steels & castings	340 -450	36 -48	1200 -1500	110-180		90-180	100-170	70 90	70-90			
2.1	Soft, generally easy to machine Ferritic & Martensitic steels & castings	-230	-20	-800	90-190			110-220		70-120	170-220	80-120	
2.2	Medium, reasonable to machine Austenitic stainless steels & castings	-290	-30	-1000	70-160	100-220		70-140	60-100	70-120	120-170	80-120	30-60
2.3	Hard, difficult to machine Ferritic & Austenitic (duplex) stainless & castings	-340	-36	-1200					50 90	50-90	70-120	80-120	30-70
3.1	Grey cast iron - soft to medium	-180			175-280	200-420	150-250	190-400					
3.2	Grey cast iron - medium to hard	180 -300			160-250	160-340	100-180	150-300					
3.3	Malleable & Nodular iron - soft to medium	-220			175-280	110-300	150-250	120-250					
3.4	Malleable & Nodular irons - medium to hard	220 -300			160-250	100-280	100-180	100-200					
4.1	Pure Titanium (also pure Nickel)											30-70	
4.2	Titanium alloys of a medium & hard nature											30-70	
4.3	Titanium alloys of a hard & very hard nature											30-50	
5.1	Heat resistant super alloys including iron based high temperature alloys											30-50	
5.2	Heat resistant super alloys, cobalt or nickel based, medium to hard to machine											30-50	
5.3	Heat resistant super alloys, cobalt or nickel based, hard or very hard to machine											30-50	
6.1	Copper			-500	200-250								200-500
6.2	Brass (Alpha - long chip)			-800	200-250								200-500
6.3	Brass (Beta - short chip) & soft Bronze			-800	200-250								100-500
6.4	High strength Bronze			-1200									
7.1	Unalloyed: Aluminium, Magnesium & Zinc			-150	300-500								400-700
7.2	Aluminium alloys less than 5% Si Magnesium & Zinc alloys (long chip)			150 -300	300-500								400-700
7.3	Aluminium alloys 5% to 10% Si			200 -500	300-500								400-600
7.4	Aluminium alloys above 10% Si (short chip)			200 -500									300-500
8.1	Thermoplastics												400-700
8.2	Thermo-setting plastics												400-700
8.3	Reinforced plastics & composite materials												200-500

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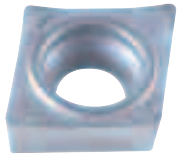
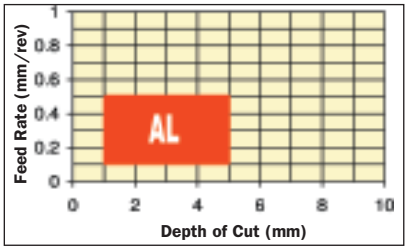
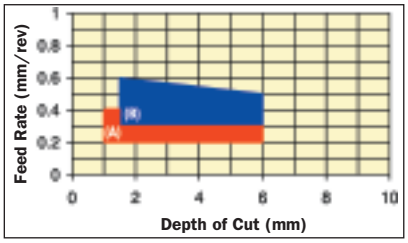
AL - High positive breaker specifically for aluminium alloys.



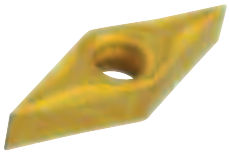


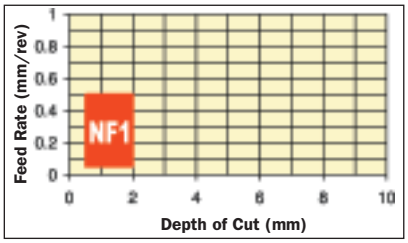
L11 / R11 - General purpose breaker for copy turning.
(A): 05 L/R11.
(B): 10 L/R11.



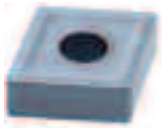


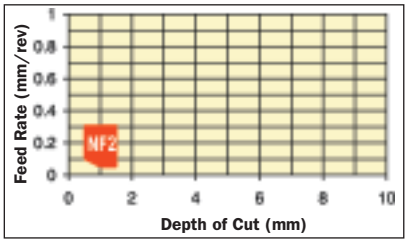
NF1 - Finishing breaker used on small VNMG 12 inserts.



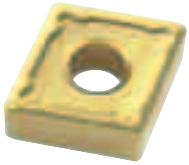


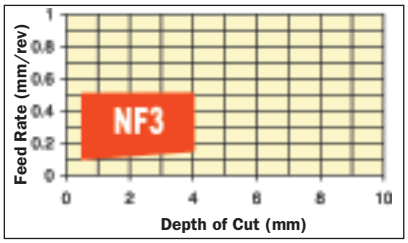
NF2 - A finishing chipbreaker associated with QX500 cermet will provide excellent surface finishes at high speeds on the majority of ferrous materials.



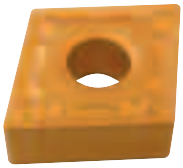


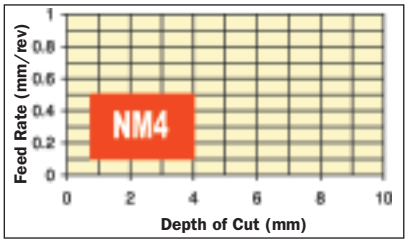
NF3 - Finishing chipbreaker for negative inserts used with QX510 for finishing steel or finish and medium cutting on cast iron.



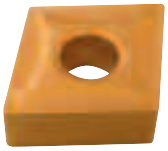


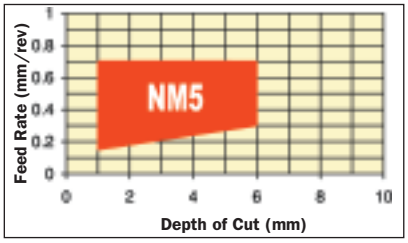
NM4 - Medium breaker used on negative inserts for light to medium roughing.



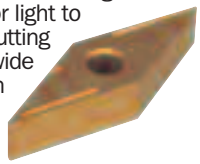


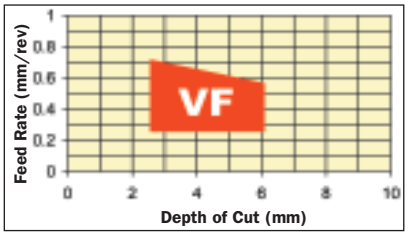
NM5 - General chipbreaker for medium roughing or semi finishing on steels and stainless in combination with grades QX510 and QX520.



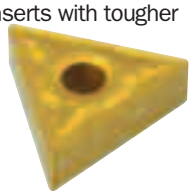


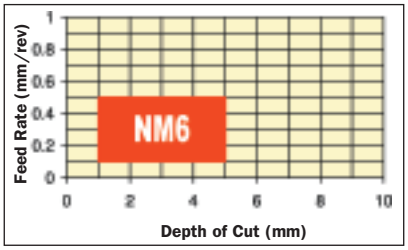
VF - General purpose chipbreaker with a radius groove, used with negative inserts. For light to medium cutting across a wide application band.



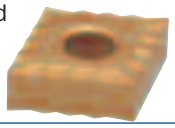


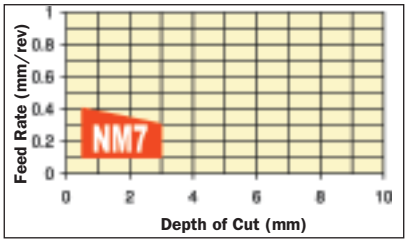
NM6 - General application medium breaker used on negative inserts with tougher grades.



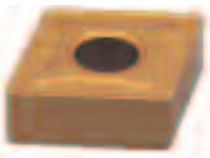


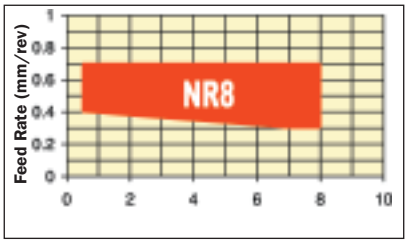
NM7 - A ripple edge breaker ideal for copy turning where cut depth varies and chip control is very important. Use with grade QX520 on steels, stainless and malleable irons.



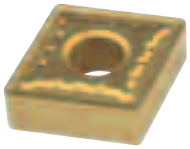


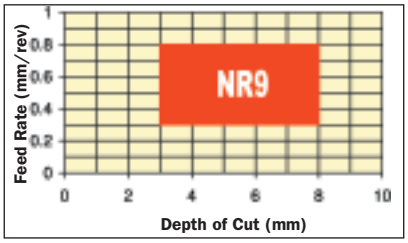
NR8 - Roughing breaker for steels and stainless with grades QX520.



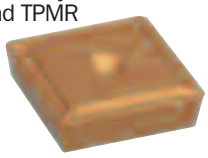


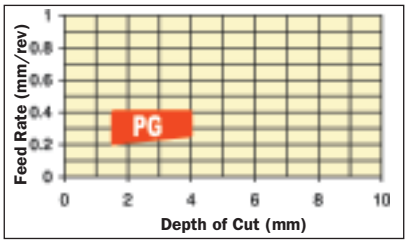
NR9 - General application roughing breaker, suitable for intermittent cuts on negative inserts.



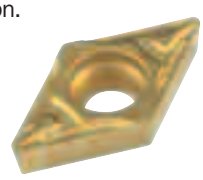


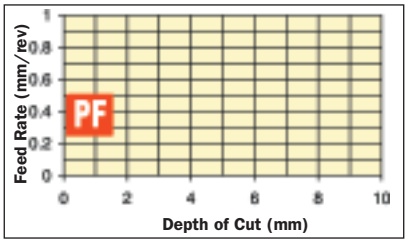
PG - General application finishing and light to medium roughing in conjunction with SPMR and TPMR positive inserts.



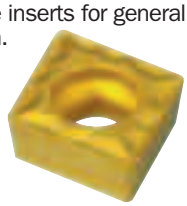


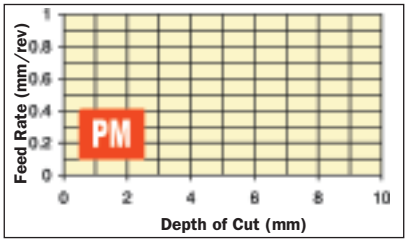
PF - Finishing breaker used on positive inserts for general application.



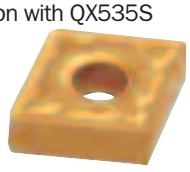


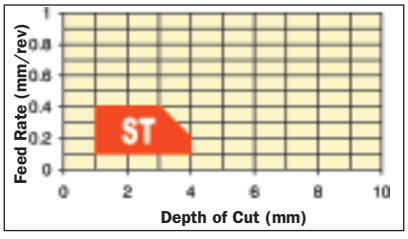
PM - Medium breaker used on positive inserts for general application.





ST - Light to medium roughing breaker used in conjunction with QX535S grade for turning stainless steels.





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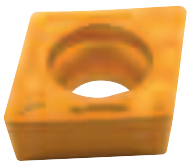
CCGT

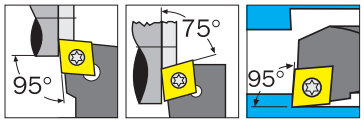
P	STEEL
M	STAINLESS STEEL
K	CAST IRON
N	ALUMINIUM
S	SUPER ALLOYS
H	HARDENED STEEL



Chip Breaker	Application
PF	Finish
AL	Med Cut (Alum)

Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20			✓			
QX500	10 - 25	-	-	✓	✓	✓	✓		
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				

Suitable for External/Internal Toolholders:

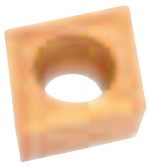


SCLC- SCKC- S_ _ _SCLC-

Insert Size CCGT	Chip-breaker	Grade	Order Code YML-120
060202	AL	K10	-0121N
060204	PF	QX500	-0223A
	PF	QX520	-0223D
	AL	K10	-0131N
09T302	AL	K10	-0151N
09T304	PF	QX500	-0263A
	PF	QX520	-0263D
	AL	K10	-0161N
09T308	AL	K10	-0169N
120402	AL	K10	-0171N
120404	AL	K10	-0181N
120408	AL	K10	-0191N

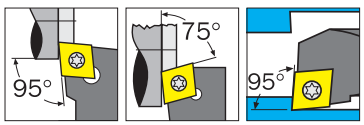
CCMT

Chip Breaker	Application
PM	Med Cut



Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20			✓			
QX500	05 - 15	-	-	✓	✓	✓	✓		
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5020	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5030	25 - 35	15 - 25	-	✓	✓				

Suitable for External/Internal Toolholders:

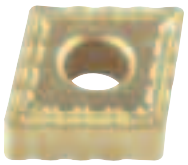


SCLC- SCKC- S_ _ _SCLC-

Insert Size CCMT	Chip-breaker	Grade	Order Code YML-120
060202	PM	QX500	-0351A
	PM	QX5020	-0351G
060204	PM	QX500	-0355A
	PM	QX520	-0355D
	PM	QX5030	-0355H
09T304	PM	QX500	-0403A
	PM	QX520	-0403D
	PM	QX5030	-0403H
09T308	PM	QX500	-0406A
	PM	QX5020	-0406G
120404	PM	QX5020	-0410G

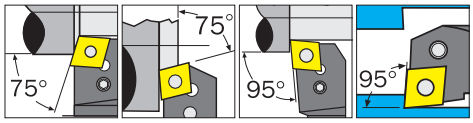
CNMG

Chip Breaker	Application
NF3	Finish
NSA	Light Cut
NM5	Med Cut
NM6	Med Cut
NM7	Med/Rough



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX510	01 - 15	10 - 15	01 - 20	✓		✓			
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				
QX5030	25 - 35	15 - 25	-	✓	✓				
QX535S	-	10 - 30	-		✓				
QX8010	10	10	10	✓	✓	✓	✓		

Suitable for External/Internal Toolholders:

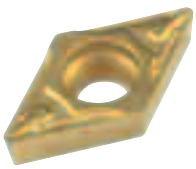


PCBN- PCKN- PCLN- S_ _ _PCLN-

Insert Size CNMG	Chip-breaker	Grade	Order Code YML-120
120404	NF3	QX520	-0707D
	NM5	QX520	-0709D
120408	NF3	QX520	-0717D
	NSA	QX8010	-0724K
	NM5	QX520	-0720D
	NM6	QX5030	-0716H
	NM7	QX520	-0718D

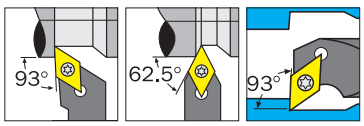
DCGT

Chip Breaker	Application
PF	Finish
AL	Med Cut (Alum)



Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20			✓			
QX500	10 - 25	-	-	✓	✓	✓	✓		
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				

Suitable for Internal/External Toolholders:

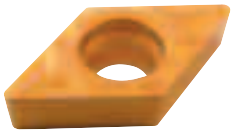


SDJC- SDNC- SDUC-

Insert Size DCGT	Chip-breaker	Grade	Order Code YML-120
070204	AL	K10	-1031N
11T302	AL	K10	-1051N
11T304	PF	QX530	-1263E
	AL	K10	-1061N
11T308	AL	K10	-1071N

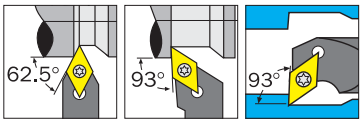
DCMT

Chip Breaker	Application
PM	Med Cut



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5030	25 - 35	15 - 25		✓	✓				

Suitable for Internal/External Toolholders:

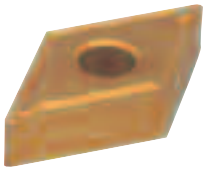


SDNC- SDJC- S_ _ _SDUC-

Insert Size DCMT	Chip-breaker	Grade	Order Code YML-120
070204	PM	QX520	-1314D
11T304	PM	QX520	-1328D
	PM	QX5030	-1328H
11T308	PM	QX5020	-1335G
	PM	QX5030	-1335H

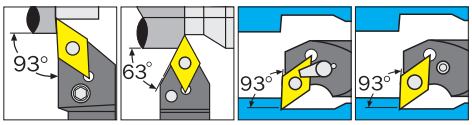
DNMG

Chip Breaker	Application
NM4	Med Cut
NM5	Med Cut
NM6	Med Cut



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX505	-	-	05 - 15	✓		✓			
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				
QX5030	25 - 35	15 - 25	-	✓	✓				
QX535S	-	10 - 30	-		✓				
QX8010	10	10	10	✓	✓	✓	✓		

Suitable for Internal/External Toolholders:



PDJN PDNN S_ _ _MDUN- S_ _ _PDUN-

Insert Size DNMG	Chip-breaker	Grade	Order Code YML-120
110404	NM4	QX5020	-1574G
110408	NM4	QX5020	-1575G
150404	NM5	QX520	-1627D
150408	NM5	QX520	-1637D
150604	NM5	QX520	-1695D
	NM6	QX530	-1696E
150608	NM6	QX5030	-1716H



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CUTTING TOOLS

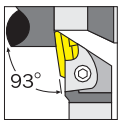
KNUX

Chip Breaker	Application
R11	Rough



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				

Suitable for External Toolholders:

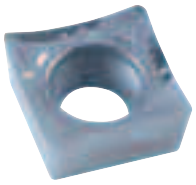


CKJN-

Insert Size **KNUX**	Chip-breaker	Grade	Order Code **YML-120**
160405	R11	QX520	**-2213D**
	R11	QX530	**-2213E**

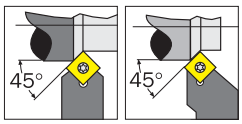
SCGT

Chip Breaker	Application
AL	Medium (Alum)



Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20				✓		

Suitable for External Toolholders:

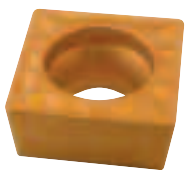


SSDC- **SSSC-**

Insert Size **SCGT**	Chip-breaker	Grade	Order Code **YML-120**
09T308	AL	K10	**-4169N**

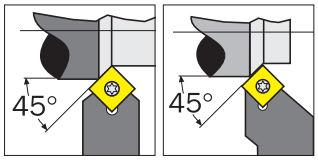
SCMT

Chip Breaker	Application
PM	Medium



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			

Suitable for External Toolholders:

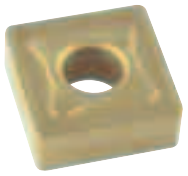


SSDC- **SSSC-**

Insert Size **SCMT**	Chip-breaker	Grade	Order Code **YML-120**
09T304	PM	QX520	**-0425D**

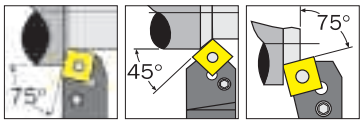
SNMG

Chip Breaker	Application
NM6	Med Cut
NM7	Med/Rough
NR8	Rough

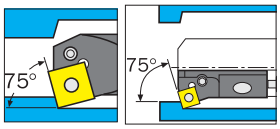


Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX510	01 - 15	10 - 15	01 - 20	✓		✓			
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				
QX5030	25 - 35	15 - 25		✓	✓				
QX535S		10 - 30			✓				

Suitable for Internal/External Toolholders:



PSBN- **PSDN-** **PSKN-**



S_ _ _PSKN- **PSKN-**

Insert Size **SNMG**	Chip-breaker	Grade	Order Code **YML-120**
120404	NM7	QX520	**-5293D**
120408	NM6	QX5030	**-5336H**
	NM7	QX520	**-5340D**
	NR8	QX520	**-5339D**

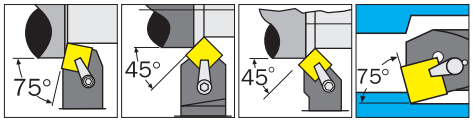
SPMR

Chip Breaker	Application
PG	Medium



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				
QX5020	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5030	25 - 35	15 - 25		✓	✓				

Suitable for Internal/External Toolholders:



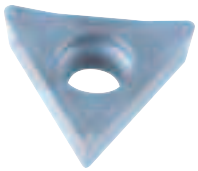
CSBP- **CSDP-** **CSSP-** **S_ _ _CSKP**

Insert Size **SPMR**	Chip-breaker	Grade	Order Code **YML-120**
120304	PG	QX520	**-6642D**
120308	PG	QX5020	**-6662G**
	PG	QX5030	**-6662H**



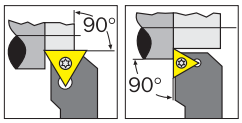
TCGT

Chip Breaker	Application
PF	Finish
AL	Medium

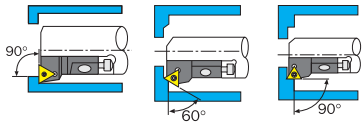


Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20				✓		
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5020	10 - 35	10 - 30	10 - 30	✓	✓	✓			

Suitable for Internal/External Toolholders:



STFC- **STGC-**

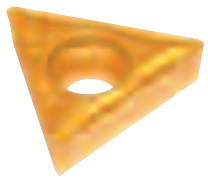


STFC- **STTC-** **STGC-**

Insert Size **TCGT**	Chip-breaker	Grade	Order Code **YML-120**
110202	AL	K10	**-6931N**
110204	AL	K10	**-6941N**
16T304	PF	QX5020	**-7073G**
	AL	K10	**-6971N**
16T308	AL	K10	**-6981N**

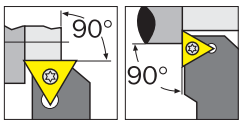
TCMT

Chip Breaker	Application
PM	Med Cut

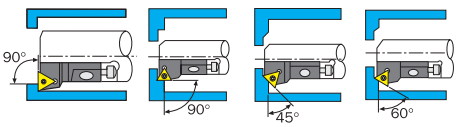


Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX500	10 - 25	-	-	✓	✓	✓			
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			

Suitable for Internal/External Toolholders:



STFC- **STGC-**



STFC- **STGC-** **STSC-** **STTC-**

Insert Size **TCMT**	Chip-breaker	Grade	Order Code **YML-120**
090204	PM	QX5020	**-7110G**
110204	PM	QX500	**-7120A**
	PM	QX520	**-7120D**
16T304	PM	QX500	**-7140A**
	PM	QX5020	**-7140G**
16T308	PM	QX5020	**-7145G**

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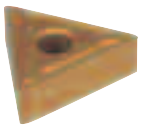
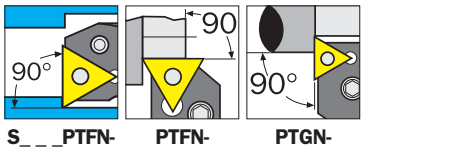
TNMG

Chip Breaker	Application
NF3	Finish
NM5	Med Cut
NM6	Med Cut
NM7	Med Cut
NR8	Rough
NR9	Rough

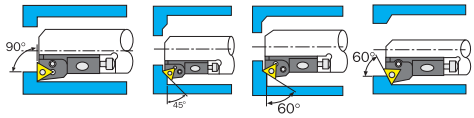


Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX500	10 - 25	-	-	✓	✓	✓			
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5030	25 - 35	15 - 25	-	✓	✓				
QX535S	-	10 - 30	-		✓				

Suitable for Internal/External Toolholders:



S_ _ _PTFN- PTFN- PTGN-

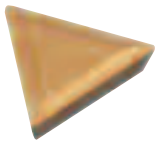


PTFN PTSN- PTTN- PTWN-

Insert Size **TNMG**	Chip-breaker	Grade	Order Code YML-120
160404	NM5	QX520	-7519D
	NM6	QX5030	-7516H
	NM7	QX520	-7518D
160408	NF3	QX520	-7527D
	NM5	QX520	-7529D
	NM6	QX5030	-7526H
	NM7	QX520	-7528D
220408	NM5	QX520	-7562D

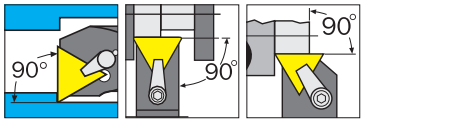
TPMR

Chip Breaker	Application
PG	Med/Cut

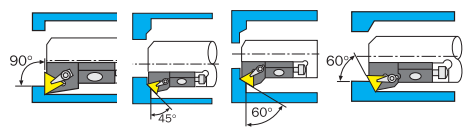


Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30		✓	✓				
QX5020	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX5030	25 - 35	15 - 25		✓	✓				

Suitable for Internal/External Toolholders:



S_ _ _CTFR- CTCP- CTFP-

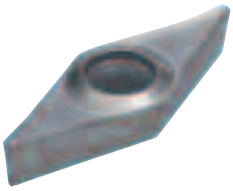


CTFP- CTSP- CTTP- CTWP-

Insert Size **TPMR**	Chip-breaker	Grade	Order Code YML-120
110304	PG	QX5020	-8742G
	PG	QX5030	-8742H
160304	PG	QX520	-8772D
	PG	QX530	-8772E
160308	PG	QX520	-8782D
	PG	QX5030	-8782H

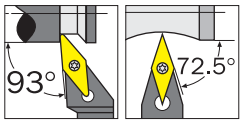
VCGT

Chip Breaker	Application
AL	Med Cut



Grade	ISO Designation P	M	K	P	M	K	N	S	H
K10	-	-	05 - 20				✓		

Suitable for External Toolholders:

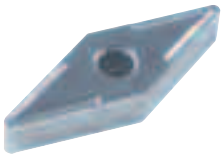


SVJC- SVVCN

Insert Size **VCGT**	Chip-breaker	Grade	Order Code YML-120
110302	AL	K10	-9101N
110304	AL	K10	-9111N
160404	AL	K10	-9141N
160408	AL	K10	-9151N
160412	AL	K10	-9161N

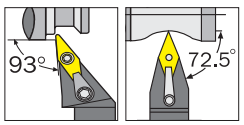
VNMG

Chip Breaker	Application
NFI	Finish
VF	Finish



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX500	10 - 25	-	-	✓	✓	✓	✓		
QX520	10 - 35	10 - 30	10 - 30	✓	✓	✓			
QX530	20 - 40	20 - 30	-	✓	✓				
QX5030	25 - 35	15 - 25	-	✓	✓				

Suitable for External Toolholders:

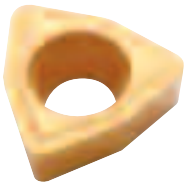


MVJNL- MVVN-

Insert Size **VNMG**	Chip-breaker	Grade	Order Code YML-120
12T302	NFI	QX530	-9402E
12T304	NFI	QX500	-9404A
	NFI	QX530	-9404E
12T308	NFI	QX5030	-9408H
160404	VF	QX520	-9415D

WCMX

Chip Breaker	Application
N/A	



Grade	ISO Designation P	M	K	P	M	K	N	S	H
QZ820	10 - 30	10 - 30	10 - 30	✓	✓	✓			
QZ825	20 - 30	10 - 30	10 - 30	✓	✓	✓			
QZ830	05 - 30			✓	✓				

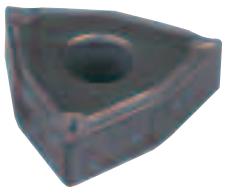
Suitable for Indexable Drills:



Insert Size **WCMX**	Chip-breaker	Grade	Order Code YML-120
050308	-	QZ820	-9510G
06T308	-	QZ830	-9540J
080412	-	QZ830	-9580J

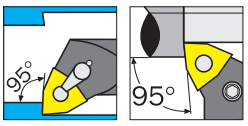
WNMG

Chip Breaker	Application
NSS	Light/Medium
NM4	Med Cut
NM5	Med Cut
NM6	Med Cut



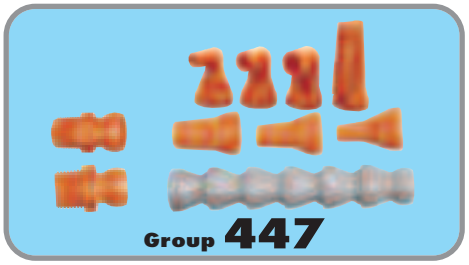
Grade	ISO Designation P	M	K	P	M	K	N	S	H
QX510	01 - 15	10 - 15	01 - 20	✓	✓				
QX520	10 - 35	10 - 30	10 - 30	✓	✓				
QX5030	25 - 35	15 - 25	-	✓	✓				
QX535S	-	10 - 30	-	✓	✓				
QX8010	10	10	10	✓	✓	✓			

Suitable for Internal/External Toolholders:



S_ _ _MWLN- PWLN-

Insert Size **WNMG**	Chip-breaker	Grade	Order Code YML-120
060404	NM4	QX520	-9774D
060408	NSS	QX8010	-9780K
080404	NM5	QX520	-9827D
080408	NM6	QX5030	-9836H



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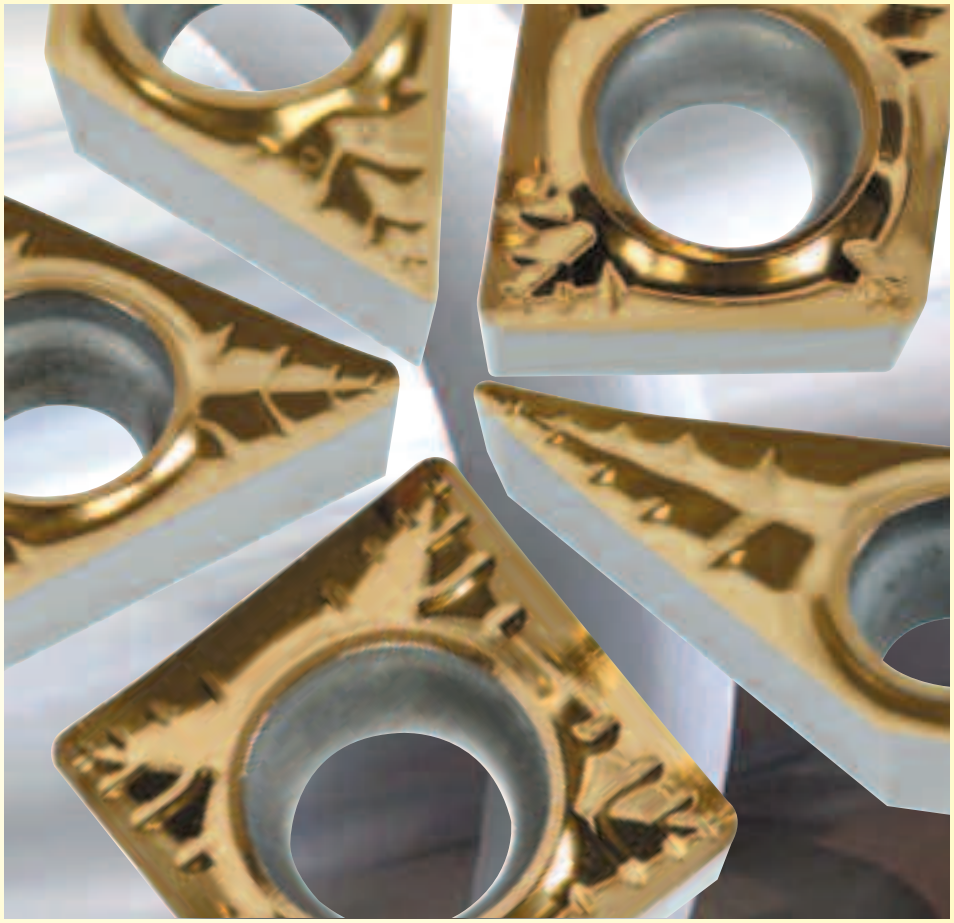
YAMALOY YAMALOY TOOLING · JAPAN — Think *POSITIVE*... and NEGATIVE — YAMALOY YAMALOY TOOLING · JAPAN

Insert Geometry for Finishing & Semi-finishing of Aluminium & Aluminium Alloys

- Optimised edge and radius geometry.
- Improved surface finish.
- Improved chip control.
- 'G' Tolerance for high repeatability.
- First choice for machining pure aluminium.
- 30% longer insert life compared to uncoated grade.

NEW



Grade K10C

ISO N05-N15 PVD Coated. Micrograin carbide for machining aluminium and aluminium alloys, 30% higher tool life against uncoated grade. Smooth coating and polished surface gives better chip

ALC Geometry

For finishing and semi finishing of aluminium and aluminium alloys. A unique breaker design gives a sharp cutting edge and positive rake angle. Special edge preparation and surface treatment produce better surface quality and greater chip control, reduced friction and vibration. 'G' tolerance inserts for higher repeatability.

Feed Rates

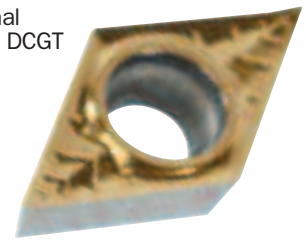
For Machining Pure Aluminium
Ap. DOC = 0.02 ~ 4.80 (mm)
F = 0.05~0.50 (mm/r)

For Machining Aluminium Alloys
Ap. DOC = 0.02 ~ 3.50 (mm)
F = 0.05~0.40 (mm/r)

30% LONGER INSERT LIFE COMPARED TO UNCOATED GRADE

DCGX

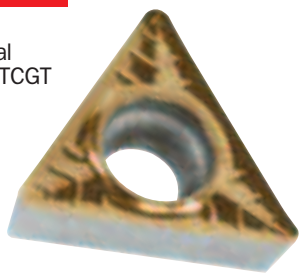
Fits the same Internal/External Toolholders as DCGT



Insert Size DCGX	Chip-breaker	Grade	Order Code YML-120
070204	ALC	K10C	**-1282N**
11T304	ALC	K10C	**-1291N**

TCGX

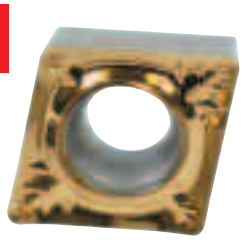
Fits the same Internal/External Toolholders as TCGT



Insert Size TCGX	Chip-breaker	Grade	Order Code YML-120
16T308	ALC	K10C	**-7096N**

CCGX

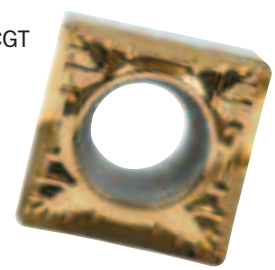
Fits the same Internal/External Toolholders as CCGT



Insert Size CCGX	Chip-breaker	Grade	Order Code YML-120
060202	ALC	K10C	**-0312N**
060204	ALC	K10c	**-0314N**
09T304	ALC	K10C	**-0318N**
09T308	ALC	K10C	**-0320N**
120404	ALC	K10C	**-0324N**
120408	ALC	K10C	**-0326N**

SCGX

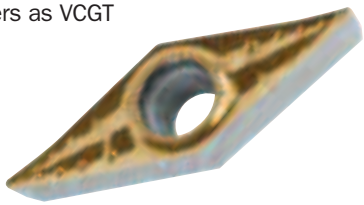
Fits the same Internal/External Toolholders as SCGT



Insert Size SCGX	Chip-breaker	Grade	Order Code YML-120
120408	ALC	K10C	**-4173N**

VCGX

Fits the same Internal/External Toolholders as VCGT



Insert Size VCGX	Chip-breaker	Grade	Order Code YML-120
110302	ALC	K10C	**-9201N**
110304	ALC	K10C	**-9203N**
160404	ALC	K10C	**-9233N**

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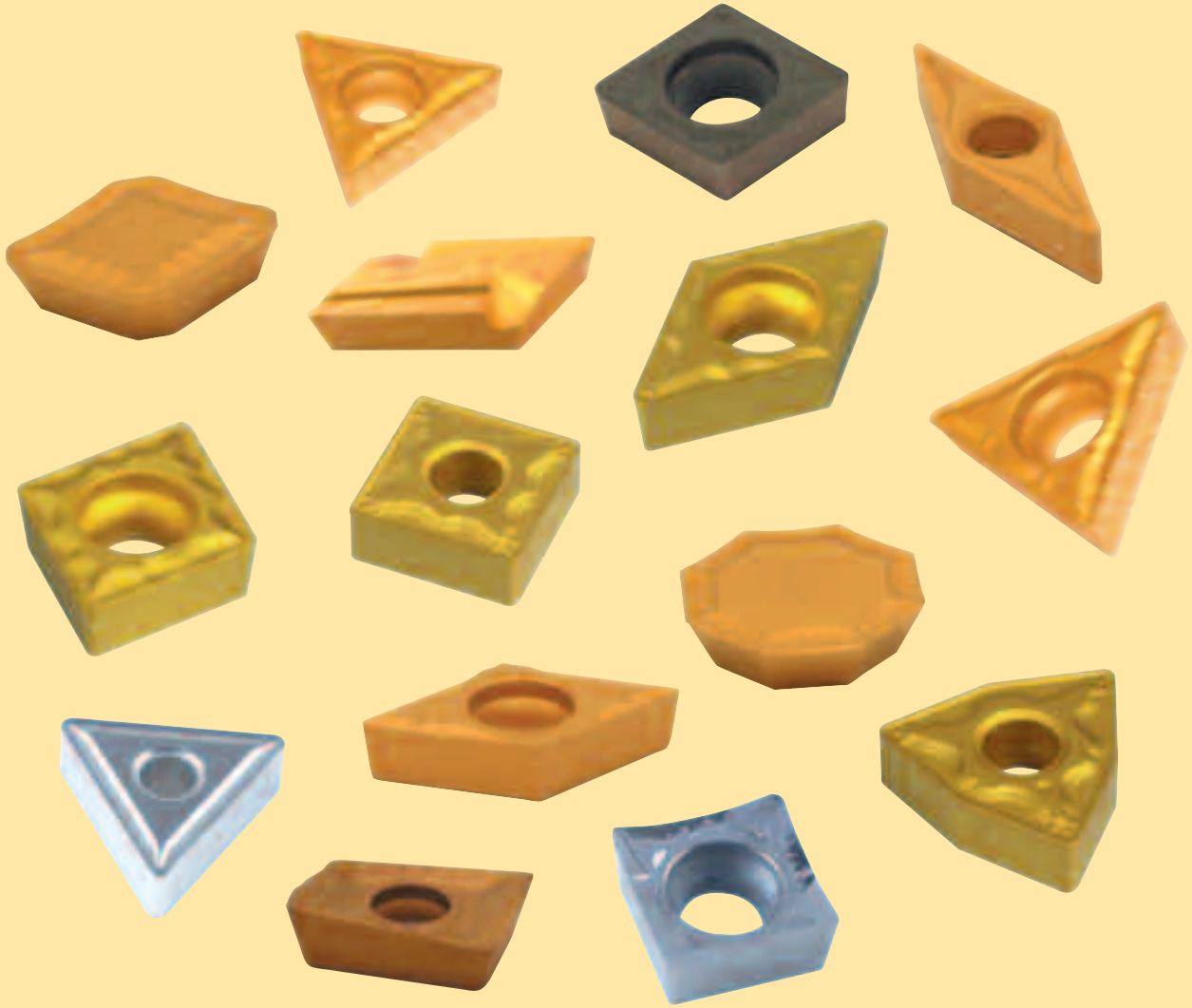
Q-Series

Think Positive!



QX500	QX505	QX510	QX520	QX530	QX535S
P10 - P25	K05 - K15	P01-15,M10-15,K01-20	P10-35,M10-30,K10-30	P20 - 40, M20 - 30	M10 - M30

QC10	QK25C	QM10	QP25	QP25C	QP30P	QP40	QS20	QX500
K10	K15 - K30	P10 - M10, K10	P25	P10 - P35	P10 - P35	P40	P20	P10- P25

QX520	QX530
P10-35,M10-30,K10-30	P20-40, M20-30

...and Negative!

YAMALOY®

YAMALOY TOOLING • JAPAN

High Performance Carbide Tooling

Turning - Milling - Boring - Drilling

YAMALOY YAMALOY TOOLING · JAPAN

Think *POSITIVE* . . . and NEGATIVE

YAMALOY YAMALOY TOOLING · JAPAN

Insert Grade

K20 Micrograin uncoated. For cast iron, aluminium alloy, other non-ferrous materials including titanium and nickel alloy.

QK25C (K15 - K30) Coated. For milling cast irons.

QM3535 (P20 - P35) PVD TiAlN Coated for milling of steel. Comprehensive grade which covers wide application range due to substrate providing optimal wear resistance and toughness.

QP25 (P25) Uncoated. For medium and finish milling of steels.

QP25C (P10 - P35) CVD coated. Milling grade for steel and some stainless steels.

QP30P (P10 - P35) PVD Coated. Milling grade for steel and some stainless steels.

QP30T (P10 - P35) PVD Coated. Milling grade for steel and some stainless steels.

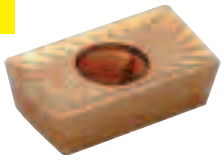
QP40 (P40) Uncoated. For rough medium and finish milling of tough Steels and Stainless Steels including interrupted cutting.

QX530 (P20 - P40, M20 - M30) Coated. A good general purpose steel grade for roughing. Use on steels, cast steel and stainless steel.

Chipbreaker

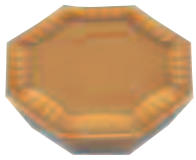
Chip Breaker	Application
AL	Aluminium & non Ferrous (Polished)
EM	Medium
MF	Finish/Light
MM	Medium/Light Roughing

APKT



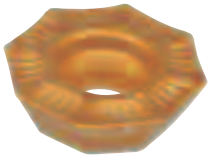
Insert Size APKT	Chip-breaker	Grade	Order Code YML-120
1003PDR	EM	QK25C	-0028X
	EM	QP30P	-0028W
1604PDR	AL	K10	-0029K
1604PDTR	-	QP30P	-0030W
	-	QK25C	-0030X
	-	K20	-0031V

OFKR



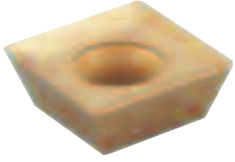
Insert Size OFKR	Chip-breaker	Grade	Order Code YML-120
05T308	MF	QP25C	-2388W

OFKT



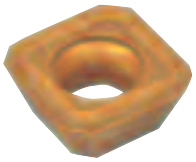
Insert Size OFKT	Chip-breaker	Grade	Order Code YML-120
05T308-SN	MM	QP25C	-2384W

SDMT



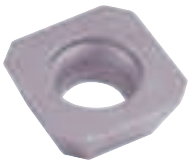
Insert Size SDMT	Chip-breaker	Grade	Order Code YML-120
12T308	-	QX530	-4280E

SEHT



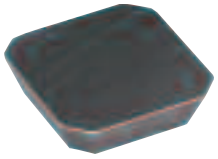
Insert Size SEHT	Chip-breaker	Grade	Order Code YML-120
1204AFTN	-	K20	-4430V
1204AFTN	-	QP25C	-4430W
120408	-	QP25C	-4432W

SEHW



Insert Size SEHW	Chip-breaker	Grade	Order Code YML-120
1204AFTN05	-	K20	-4445V
		QP25C	-4445W

SEKN



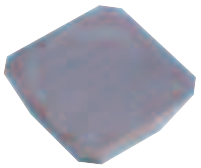
Insert Size SEKN	Chip-breaker	Grade	Order Code YML-120
1203AFFN	-	K20	-4517V
1203AFSN	-	QM3535	-4527M
1203AFTN	-	QP25	-4527P
	-	QP40	-4527S

SEKR



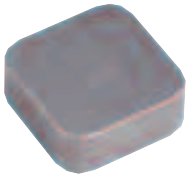
Insert Size SEKR	Chip-breaker	Grade	Order Code YML-120
1203AFTN05	-	K20	-4617V
	-	QP25C	-4627W

SEMN



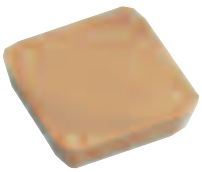
Insert Size SEMN	Chip-breaker	Grade	Order Code YML-120
1204-AZ	-	QM3535	-4727M

SNKN



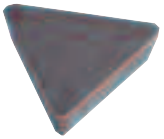
Insert Size SNKN	Chip-breaker	Grade	Order Code YML-120
1204-ENN	-	QP25	-5227P

SPKN



Insert Size SPKN	Chip-breaker	Grade	Order Code YML-120
1203EDR	-	K20	-6328V
1203EDTR	-	QM3535	-6338M
	-	QP25	-6338P
	-	QP40	-6338S
1504EDTR	-	QP25	-6368P

TPKN



Insert Size TPKN	Chip-breaker	Grade	Order Code YML-120
1603PPR	-	K20	-8428V
1603PPTR	-	QM3535	-8438M
	-	QP25	-8438P
	-	QP40	-8438S
2204PDR	-	K20	-8458V
2204PDSR	-	QM3535	-8468M
2204PDTR	-	QP25	-8468P
	-	QP40	-8468S

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CUTTING TOOLS

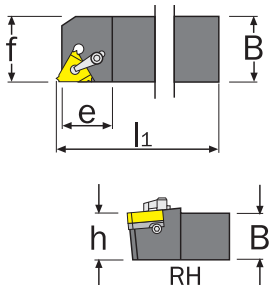
INDEXA-SEIKI

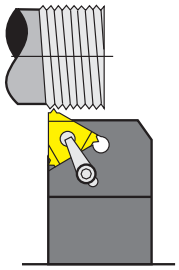
Threading Toolholders - Dual Top Clamp & Screw-on

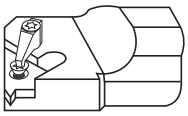
Example shows **DIR** - Internal, but clamping is identical to **DER/L** - External. Standard Helix is 1.5°.

External

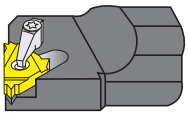
Dual DER/L -
External.





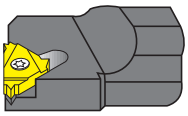


can be used as



Top Clamp only

or



Screw-on only

Suitable Inserts See Next Page
ER = Right Hand **EL** = Left Hand
Sizes **16** = 16ER/L
22 = 22ER/L



Right hand

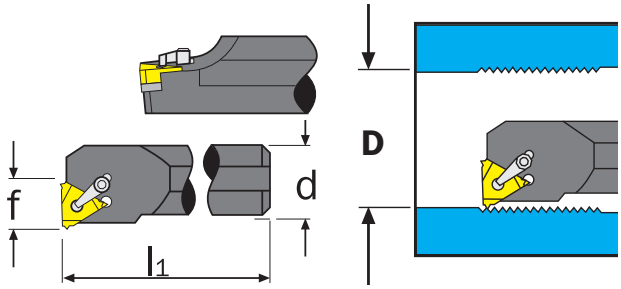


Spares to Suit

ISO Designation	Dimensions h	B	l1	f	e	Weight each	Order Code IND-106	Clamp Set Order Code IND-107	Anvil Order Code IND-107	Shim Screw Order Code IND-107	Insert Screw Order Code IND-107	Torx Key Order Code IND-107
DER 1212H **16**	12	12	100	16	22	199g	**-8080K**	**-0620K**	**-2930K**	**-3780K**	**-3430K**	**-5090K**
DER 1616H **16**	16	16	100	16	22	208g	**-8100K**	**-0620K**	**-2930K**	**-3780K**	**-3430K**	**-5150K**
DER 2020K **16**	20	20	125	20	22	400g	**-8000K**	**-0620K**	**-2930K**	**-3780K**	**-3430K**	**-5090K**
DEL 2020K **16**	20	20	125	20	22	400g	**-8010K**	**-0620K**	**-2960K**	**-3780K**	**-3430K**	**-5150K**
DER 2525M **16**	25	25	150	25	22	736g	**-8020K**	**-0620K**	**-2930K**	**-3780K**	**-3430K**	**-5090K**
DEL 2525M **16**	25	25	150	25	22	735g	**-8030K**	**-0620K**	**-2960K**	**-3780K**	**-3430K**	**-5150K**
DER 2525M **22**	25	25	150	25	28	745g	**-8040K**	**-0630K**	**-2940K**	**-3790K**	**-3440K**	**-5150K**

Internal

Dual DIR -
Internal.



Suitable Inserts See Next Page
IR = Right Hand
Sizes **16** = 16IR
22 = 221R



Right hand shown

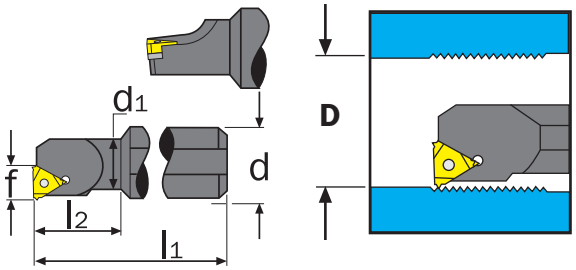


Spares to Suit

ISO Designation	Dimensions (mm) d	l1	f	Dmin	Weight each	Order Code IND-106	Clamp Set Order Code IND-107	Anvil Order Code IND-107	Shim Screw Order Code IND-107	Insert Screw Order Code IND-107	Torx Key Order Code IND-107
DIR 0020P **16**	20	170	13.7	24	699g	**-8240K**	**-0620K**	**-2960K**	**-3780K**	**-3430K**	**-5090K**
DIR 0025R **16**	25	200	16.2	29	725g	**-8260K**	**-0620K**	**-2960K**	**-3780K**	**-3430K**	**-5100K**
DIR 0032S **16**	32	250	19.7	36	1455g	**-8300K**	**-0620K**	**-2960K**	**-3780K**	**-3430K**	**-5090K**
DIR 0025R **22**	25	200	18.1	29	751g	**-8280K**	**-0630K**	**-2980K**	**-3790K**	**-3440K**	**-5150K**
DIR 0032S **22**	32	250	21.6	36	1472g	**-8320K**	**-0630K**	**-2980K**	**-3790K**	**-3440K**	**-5150K**

Screw-on

SIR/L -
Internal.



Suitable Inserts See Next Page
IR = Right hand **IL** = Left Hand
Sizes **06** = 06IR/L
08 = 08IR/L
11 = 11IR/L
16 = 16IR/L
22 = 22IR/L



Right hand shown



Spares to Suit

ISO Designation	Dimensions d	d1	l1	l2	f	DMin	Weight each	Order Code IND-106	Insert Screw Order Code IND-107	Torx Key Order Code IND-107
SIR 0007K **08**	16	6.6	125	18	5.3	7.8	174g	**-8350K**	**-3419K**	**-5080K**
SIR 0010H **11**	10	10	100	-	7.4	12.0	160g	**-8360K**	**-3420K**	**-5070K**
SIR 0010K **11**	16	10	125	25	7.4	12.0	175g	**-8380K**	**-3420K**	**-5150K**
SIL 0010K **11**	16	10	125	25	7.4	12.0	172g	**-8390K**	**-3420K**	**-5150K**
SIR 0013M **16**	16	13	150	32	10.2	16.0	217g	**-8400K**	**-3430K**	**-5150K**
SIR 0016P **16**	20	16	170	40	11.7	19.0	369g	**-8420K**	**-3430K**	**-5150K**
SIL 0016P **16**	20	16	170	40	11.7	19.0	364g	**-8430K**	**-3430K**	**-5150K**
SIR 0020P **22**	20	20	170	-	15.6	24.0	406g	**-8440K**	**-3440K**	**-5200K**

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ISO Threading Insert Designation

Insert Grade Description

QMA **(P20-P40/K20-K30) Coated.**
Sintered chipbreaker with a multi layer TiALN PVD coatedsub-micrograin grade. Provides high quality threads for most materials including exotic alloys and stainless steels. Best performance is achieved at medium to high cutting speeds.

16 E R 12 UN QMA

L	I.C.
06	5/32"
08	3/16"
11	1/4"
16	3/8"
22	1/2"
27	5/8"
33	3/4"

E= EXTERNAL
I = INTERNAL

R= RIGHT HAND
L = LEFT HAND

FULL PROFILES:

Pitch in mm: 0.35 - 8 or TPI (Threads per inch) 64 - 4	ISO
	UN
	WHIT
	NPT
	NPTF
	BSPT

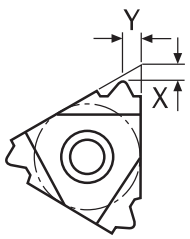
PARTIAL PROFILES

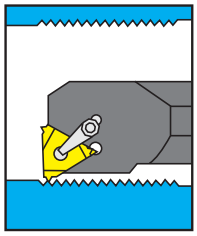
A	N
G	60≡
AG	55≡

CARBIDE GRADE

Partial Profiles

Internal Right Hand



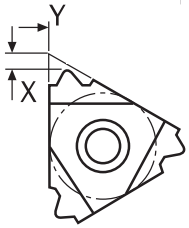


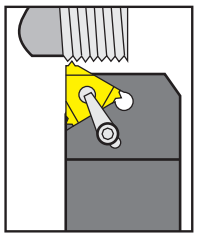
60°

Insert Designation	Pitch Range mm	Pitch Range TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121
16 IR AG60	0.5-3.0	48-8	1.2	1.7	QMA	60g	**-0208A**

ISO Metric

External Right Hand
11 ER available on request.

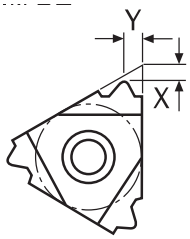


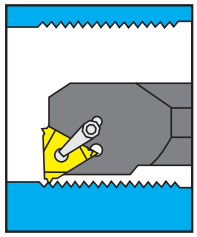


Insert Designation	TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121
16 ER 1.00 ISO	1.00	0.7	0.7	QMA	70g	**-1044Y**
16 ER 1.25 ISO	1.25	0.8	0.9	QMA	70g	**-1045J**
16 ER 1.50 ISO	1.50	0.8	1.0	QMA	70g	**-1045U**
16 ER 1.75 ISO	1.75	0.9	1.2	QMA	65g	**-1046E**
16 ER 2.00 ISO	2.00	1.0	1.3	QMA	60g	**-1046Q**
16 ER 2.50 ISO	2.50	1.1	1.5	QMA	60g	**-1047A**
16 ER 3.00 ISO	3.00	1.2	1.6	QMA	60g	**-1047L**

ISO Metric

Internal Right Hand





Insert Designation	TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121
16 IR 1.00 ISO	1.00	0.6	0.7	QMA	70g	**-1210Y**
16 IR 1.50 ISO	1.50	0.8	1.0	QMA	65g	**-1211U**
16 IR 2.00 ISO	2.00	1.0	1.3	QMA	65g	**-1212Q**
16 IR 2.50 ISO	2.50	1.1	1.5	QMA	60g	**-1213L**
16 IR 3.00 ISO	3.00	1.1	1.5	QMA	60g	**-1213W**

Metric B-Type Toolholder & Threading Kit

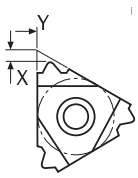
QMA grade inserts (P20 - P40, K20 - K30).
Contents: 1x 16ER B 1.00 ISO insert, 1x 16ER B. 1.25 ISO insert, 1x 16ER B 1.50 ISO insert, 1x 16ER B 1.75 ISO insert, 1x 16ER B 2.00 ISO insert, 1x DER 2020 K16 toolholder, 1x T15 torx key. Supplied in plastic tube.

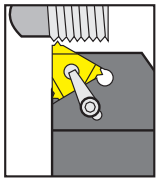


Number of Pieces	Order Code PRO-121
6	**-0001A**

Partial Profiles

External Right Hand





55°

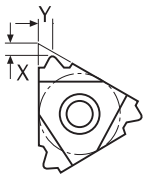
Insert Designation	Pitch Range mm	Pitch Range TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121
16 ER AG55	0.5-3.0	48-8	1.2	1.7	QMA	60g	**-0542A**

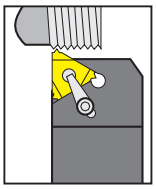
60°

Insert Designation	Pitch Range mm	Pitch Range TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121
16 ER A60	0.5-1.5	48-16	0.8	0.9	QMA	60g	**-0041Q**
16 ER AG60	0.5-3.0	48-8	1.2	1.7	QMA	60g	**-0042A**

UN

External Right Hand

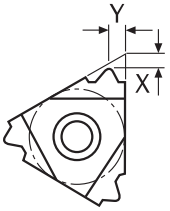


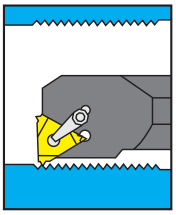


Insert Designation	TPI	X mm	Y mm	Grade	Weight each	Order Code YML-121
16 ER 24 UN	24	0.7	0.8	QMA	7g	**-1546Q**
16 ER 20 UN	20	0.8	0.9	QMA	7g	**-1547W**
16 ER 18 UN	18	0.8	1.0	QMA	7g	**-1548S**
16 ER 14 UN	14	1.0	1.2	QMA	7g	**-1549N**
16 ER 12 UN	12	1.1	1.4	QMA	7g	**-1550J**
16 ER 8 UN	8	1.2	1.6	QMA	7g	**-1552L**

UN

Internal Right Hand

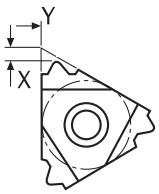


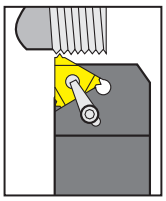


Insert Designation	TPI	X mm	Y mm	Grade	Order Code YML-121
16 IR 12 UN	12	1.1	1.4	QMA	**-1750J**

Whitworth

External Right Hand
A full range of sizes are available on request.





Insert Designation	TPI	X mm	Y mm	Grade	Order Code YML-121
16 ER 14 W	14	1.0	1.2	QMA	**-2049N**
16 ER 11 W	11	1.1	1.5	QMA	**-2051E**

Whitworth

Internal Right Hand
A full range of sizes are available on request.

Insert Designation	TPI	X mm	Y mm	Grade	Order Code YML-121
16 IR 14 W	14	1.0	1.2	QMA	**-2215N**
16 IR 11 W	11	1.1	1.5	QMA	**-2217E**

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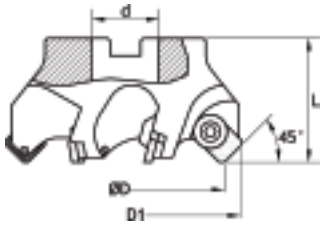
INDEXA-SEIKI XP-45C 'Face Hog' Milling Cutters

Super Positive 45° approach milling cutter, angle decreases cutting forces and allows a quick feed in a limited capacity machine. Clamp style insert pocket with shim seats to protect the body in case of accident. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear.
Through coolant as standard.

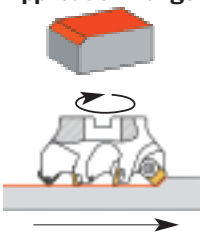
XP XTRA PLASMA COATED BODY





Feed Per Tooth (mm)
0.05 - 0.20
See Page 153 for Cutting Speed Information

Application Range



Dia (mm)	D1	d	L	Z	Order Code IND-139
63	76	22	50	5	-7600K
80	93	27	50	6	-7620K
100	113	32	50	6	-7640K
125	138	40	63	7	-7660K
160	173	40	63	8	-7680K

Spares to suit

Arbor Screw	Shim	Shim Screw	Clamp Screw	Hex Key
	Order Code IND-107			Order Code KEN-601
-5353K -5354K -5356K - -5358K	-4960K	-5284K	-5290K	-1400K

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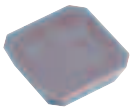


Inserts

Designation	Grade	To Suit	Order Code YML-120
SEKN 1203 AFTN	K20 QP25 QP40	Face Hog	-4517V -4527P -4527S
SEKR 1203 AFTN	K20 QP25C	Face Hog	-4617V -4627W

Insert Grade Description

K20 **(K20)** Micrograin uncoated. For cast irons, aluminium alloys, other non-ferrous materials including titaniums and nickel alloys.

QP25 **(P25)** Uncoated. For medium and finish milling of steels.

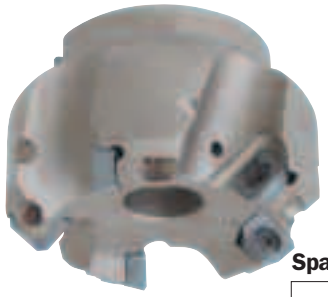
QP25C **(P10-P35)** CVD coated. Milling grade for steels and some stainless steels.

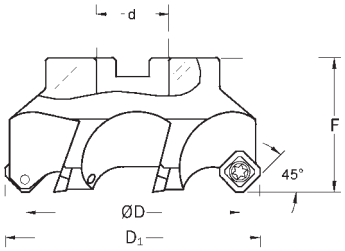
QP40 **(P40)** Uncoated. For rough medium and finish milling of tough steels and stainless steels including interrupted cutting.

INDEXA-SEIKI XP-45C 'Hi Shear' Milling Cutters

Super Positive 45° approach milling cutter, angle decreases cutting forces and allows a quick feed in a limited capacity machine.
Torx screws allow for good chip evacuation. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear.
Through coolant as standard.

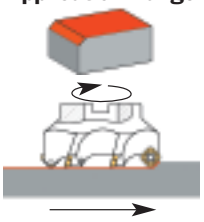
XP XTRA PLASMA COATED BODY





Feed Per Tooth (mm)
0.05 - 0.20
See Page 153 for Cutting Speed Information

Application Range



Dia (mm)	D1	d	F	Z	Order Code IND-139
63	75	22	50	5	-7400K
80	92	27	50	6	-7420K
100	112	32	50	6	-7440K

Spares to suit

Arbor Screw			Clamp Screw	Driver
	Order Code IND-107			Order Code KEN-603
-5353K -5354K -5356K			-5352K	-0220D

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Inserts

Designation	Grade	Order Code YML-120
SEHT 1204 AFTN	K20 QP25C	-4430V -4430W
SEHW 1204 AFTN-05	K20 QP25C	-4445V -4445W

Insert Grade Description

K20 **(K20)** Micrograin uncoated. For cast irons, aluminium alloys, other non-ferrous materials including titaniums and nickel alloys.

QP25C **(P10-P35)** CVD coated. Milling grade for steels and some stainless steels.

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INDEXA-SEIKI XP-90C '4 Square' 90° Shell Mills

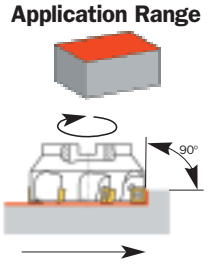
Positive 90° cutter with an exact angle of 90°, square insert allowing depth passes and high feed per teeth. Torx style insert pocket with shim seats to protect the body in case of accident. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear.
Through coolant as standard.

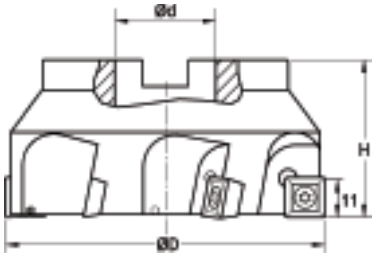
XP XTRA PLASMA COATED BODY



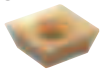
Feed Per Tooth (mm)
0.04 - 0.30
See Page 153 for Cutting Speed Information

Application Range





SDMT 12



For Inserts See Below

Spares to suit

Arbor Screw	Shim	Shim Pin	Clamp Screw	Driver
Order Code **IND-107**				Order Code **KEN-603**

XP-90C '4 Square' 90° Shell Mills for SDMT 12 inserts

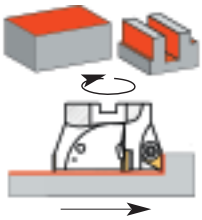
Dia (mm)	d	H	Z	Weight each	Order Code **IND-139**	Arbor Screw	Shim	Shim Pin	Clamp Screw	Driver
63	22	40	5	459g	**-7500K**	**-5354K**	**-2490K**	**-1570K**	**-3400K**	**-0150D**
80	27	50	6	999g	**-7520K**	**-5354K**				
100	32	50	7	1669g	**-7540K**	**-5356K**				

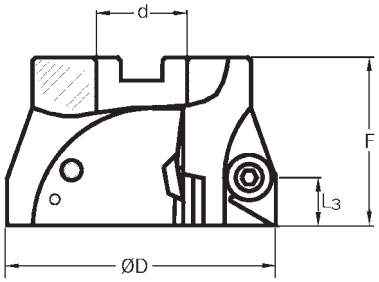
'Tri Square' 90° Shell Mills

Uses top clamping triangular inserts to produce a 90° shoulder at the edge of a milled face. This is of major benefit when taking a number of cuts across a face as the shoulder produced is without steps.



Application Range



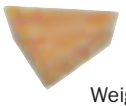


Insert Size	Feed Per Tooth (Fz) mm
TPKN 16	0.05 - 0.20
TPKN 22	0.10 - 0.30
See Page 153 for Cutting Speed Information	

Spares to suit

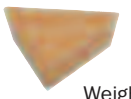
Arbor Screw	Shim	Shim Pin	Clamp Screw	Clamp Ring
Order Code **IND-107**				

For TPKN 1603



Dia (mm)	d	F	L3	Z	Weight each	Order Code **IND-139**	Arbor Screw	Shim	Shim Pin	Clamp Screw	Clamp Ring
63	27	50	13	4	655g	**-3400K**	**-5354K**	**-5360K**	**-5362K**	**-0050K**	**-0440K**
80	32	50	13	5	1200g	**-3420K**	**-5355K**				
100	40	50	13	6	1746g	**-3440K**	**-5357K**				

For TPKN 2204



Order Code **IND-107**

Dia (mm)	d	F	L3	Z	Weight each	Order Code **IND-139**	Arbor Screw	Shim	Shim Pin	Clamp Screw	Clamp Ring
100	40	50	18	5	1546g	**-3460K**	**-5357K**	**-5361K**	**-5380K**	**-0060K**	**-0500K**
125	40	63	18	6	2777g	**-3480K**					

Hexagon Keys

To Suit	Order Code **KEN-601**
Clamp Wrench (Insert 1603)	**-1400K**
Clamp Wrench (Insert 2204)	**-1500K**

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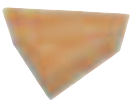
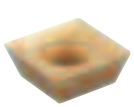
Inserts

Designation	Grade	To Suit	Order Code **YML-120**
TPKN 1603 PPR	K20	Tri-Sq	**-8428V**
TPKN 1603 PPTR	QP25 QP40	Tri-Sq	**-8438P** **-8438S**
TPKN 2204 PDR	K20	Tri-Sq	**-8458V**
TPKN 2204 PDTR	QP25 QP40	Tri-Sq	**-8468P** **-8468S**
SDMT 12T308	QX530	4 Sq	**-4280E**



TPKN



SDMT

Insert Grade Selection

K20 (**K20**) Micrograin uncoated. For cast irons, aluminium alloys and other non-ferrous materials including titaniums and nickel alloys.

QP25 (**P25**) Uncoated. For medium and finish milling of steels.

QP40 (**P40**) Uncoated. For rough medium and finish milling of tough steels and stainless steels including interrupted cutting.

QX530 (**P20-P40 M20-M30**) Coated. Turning grade for steels, cast steels and stainless steels. A good general purpose steel grade for roughing.

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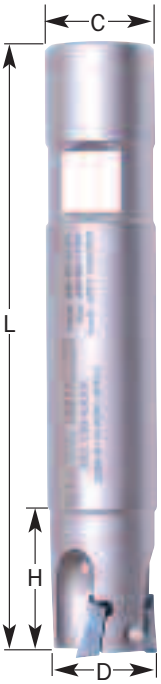
CUTTING TOOLS

INDEXA-SEIKI

XP-90C 'APT' 90° Shell Mills

Positive 90° approach milling cutter, using size 10/16 inserts allowing depth passes and high feed per teeth.
Torx screw allows for good chip evacuation. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear.
Through coolant as standard.





XP XTRA PLASMA COATED BODY

Insert Size	Feed Per Tooth (Fz) mm
APXT 10	0.05 - 0.20
APXT 16	0.10 - 0.30
See Page 153 for Cutting speed Information	

XP-90C End Mills For AP_T 10 Inserts

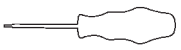
D	z	H	C	L	Inserts	Order Code IND-139
10	1	20	10	80	APKT1003 or APXT1003	-4800K
12	1	20	12	80		-4820K
16	2	25	16	90		-4860K
20	3	25	20	110		-4900K

XP-90C End Mills For AP_T 16 Inserts

D	z	H	C	L	Inserts	Order Code IND-139
20	1	37	20	115	APKT1604 or APXT1604	-5000K
25	2	40	25	117		-5020K
32	3	40	25	126		-5040K
40	4	50	32	136		-5060K

For Inserts See Below

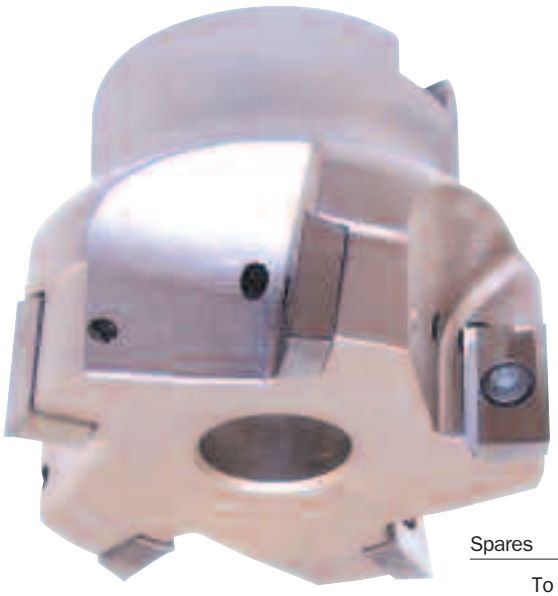


Spares	Arbor Screw	Clamp Screw	Flag Torx Key	Driver
To Suit		Order Code IND-107		Order Code KEN-603
10-20 Dia (APKT 10)	-	-5240K	-	-0080D
20-25 Dia (APKT 16)	-	-5270K	-5150K	-0150D
32-40 Dia (APKT 16)	-	-5270K	-5150K	-0150D

XP-90C 'APT' 90° Shell Mills

Positive 90° approach milling cutter, using size 16 inserts allowing depth passes and high feed per teeth. Torx screw allows for good chip evacuation. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear. Through coolant as standard.



XP XTRA PLASMA COATED BODY

Feed Per Tooth (Fz) mm
0.10 - 0.30
See Page 153 for Cutting speed Information

XP-90C Shell Mills For APKT 16 Inserts

D	z	B	C	L	Inserts	Order Code IND-139
50	4	22	10.4	50	APKT1604 or APXT1604	-3920K
63	5	22	10.4	50		-3940K
80	6	27	12.7	50		-3960K
100	7	32	14.4	63		-3980K






Spares	Arbor Screw	Clamp Screw	Flag Torx Key	Driver
To Suit	Order Code IND-107	Order Code IND-107		Order Code KEN-603
50 & 63 Dia	-5354K	-5270K		-0150D
80 Dia (APKT 16)	-5354K			
100 Dia	-5355K			

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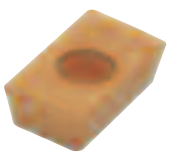
Insert Grade Selection

Designation	Grade	To Suit	Weight each	Order Code YML-120
APKT 1003 PDR	QK25C	APT Shell Mills	27g	-0028X
	QP30P		35g	-0028W
APXT 1604 PDTR	K20	Combination End, APT Shell Mills	85g	-0031V
	QK25C		92g	-0030X
	QP30P		85g	-0030W

Insert Grade Description



K20 (**K20**) Micrograin uncoated. For cast irons, aluminium alloys, other non-ferrous materials including titaniums and nickel alloys.

QK25C (**K15-K30**) Coated. For milling cast irons.

QP30P (**P10-P35**) PVD coated. Milling grade for steels and some stainless steels.

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YAMALOY YAMALOY TOOLING • JAPAN

Speed Recommendations for Yamaloy Milling Inserts

Use the following table with the specific feed rates of the cutter used (found on the specific cutter page). Feed rates may vary according to work material and machine conditions but the following can be used as a general guide.

Steel Group	**Materials** Colour Defines Similar Machineability	Brinell Hardness HB	Rockwell Hardness HRC	Tensile Strength N/mm²	Speed M/min					
					K20	QK25C	QP25/ QP30P	QP30P	QP40	QX530
1.1	Mild, soft and free machining non-alloy low carbon steels	up to 130	-	up to 400	-	-	140 - 200	180 - 250	80 - 50	150 - 200
1.2	Non-alloy, case hardening, structural and low to medium carbon steels	up to 200	-	up to 700	-	-	130 - 180	150 - 230	75 - 110	130 - 180
1.3	Non-alloy, plain and medium carbon steels and castings	up to 260	up to 26	up to 850	-	-	130 - 160	140 - 210	75 - 95	110 - 150
1.4	Generally low to medium alloy steels and castings	up to 260	up to 26	up to 850	-	-	120 - 160	130 - 200	70 - 90	110 - 140
1.5	Medium to high alloy steels, tool steels and castings	from 260 up to 340	from 26 up to 48	from 850 up to 1200	-	-	110 - 150	120 - 180	65 - 85	100 - 120
1.6	Heat treated alloy steels and castings	up to 230	up to 20	from 1200 up to 1500	-	-	80 - 120	110 - 150	60 - 80	70 - 90
2.1	Soft and generally easy to machine ferritic and martensitic stainless steels and castings	up to 290	up to 30	up to 800	-	-	130 - 180	150 - 200	70 - 100	80 - 120
2.2	Medium strength and easy to machine austenitic stainless steels and castings	up to 340	up to 36	up to 1000	-	-	120 - 170	130 - 180	70 - 100	60 - 100
2.3	Hard and generally difficult to machine ferritic and austenitic (duplex) stainless steels and castings	up to 180	-	up to 1200	-	-	-	40 - 50	25 - 40	50 - 90
3.1	Grey cast iron Hardness - soft to medium	from 180 up to 300	-	-	120 - 150	150 - 250	-	-	-	-
3.2	Grey cast iron Hardness - medium to hard	up to 220	-	-	90 - 130	120 - 200	-	-	-	-
3.3	Malleable and nodular iron - soft to medium	from 220 to 300 max	-	-	80 - 110	150 - 250	-	-	-	-
3.4	Malleable and nodular iron - medium to hard	-	-	-	70 - 100	120 - 200	-	-	-	-
4.1	Pure titanium (also pure nickel)	-	-	up to 700	200 - 300	-	-	-	-	-
4.2	Titanium alloys of a medium and hard nature	-	-	up to 900	50 - 80	-	-	-	-	-
4.3	Titanium alloys of a hard and very hard nature	-	-	from 900 up to 1250	20 - 50	-	-	-	-	-
5.1	Heat resistant super alloys including iron based high temperature alloys	-	-	up to 500	15 - 35	-	-	-	-	-
5.2	Heat resistant super alloys, cobalt or nickel based, of a medium to hard nature to machine	-	-	up to 900	15 - 35	-	-	-	-	-
5.3	Heat resistant super alloys, cobalt or nickel based, of a hard or very hard nature to machine	-	-	from 900 up to 1200	20 - 50	-	-	-	-	-
6.1	Copper	-	-	up to 500	250 - 400	-	-	-	-	-
6.2	Brass (alpha - long chip)	-	-	up to 800	200 - 400	-	-	-	-	-
6.3	Brass (beta - short chip) and soft bronze	-	-	up to 800	200 - 800	-	-	-	-	-
6.4	High strength bronze	-	-	up to 1200	50 - 120	-	-	-	-	-
7.1	Unalloyed: aluminium, magnesium & zinc	-	-	up to 150	500 - 900	-	-	-		-
7.2	Aluminium alloys less than 5% Si magnesium and zinc alloys (long chip)	-	-	from 150 up to 300	600 - 900	-	-	-	-	-
7.3	Aluminium alloys 5% to 10% Si	-	-	from 200 up to 500	300 - 600	-	-	-	-	-
7.4	Aluminium alloys above 10% Si (short chip)	-	-	from 200 up to 500	200 - 500	-	-	-	-	-
8.1	Thermoplastics	-	-	-	300 - 700	-	-	-	-	-
8.2	Thermo-setting plastics	-	-	-	300 - 500	-	-	-	-	-
8.3	Reinforced plastics & composite materials	-	-	-	100 - 300	-	-	-	-	-

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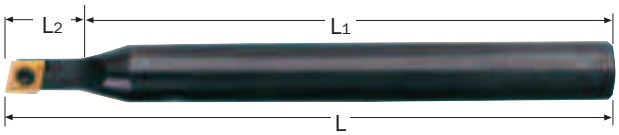
QMC 06 Quad Milling Holder Set

Small diameter Indexable End Mills are taking a CCMT 06 insert. Ideal for use on manual and CNC milling machines where reach and clearance are required.



Dia. (mm)	d	L	L1	L2	Order Code IND-139
08	12	120	95	25	-9010K
10	12	120	95	25	
12	12	120	95	25	
16	16	120	95	25	

Spares

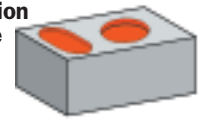
Description	To Suit	Order Code IND-107
Insert Screw	Quad Mill	-5240K
T8 Torx Key		-5080K

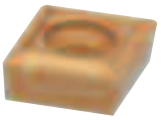
Insert Grade Selection

Designation	Grade	To Suit	Order Code YML-120
CCMT060204-PM	QX500 QX520	Quad Mill	-0355A -0355D
CCGT060202-AL	K10	Quad Mill	-0121N
CCGT060204-AL	K10	Quad Mill	-0131N



Application Range





Uses **CCMT 06/CCGT 06** inserts.

Feed Per Rev (mm)
0.02 - 0.10

Insert Grade Description

QX520 **(P10-P35 M10-M30 K10-K30)** Coated. An excellent general purpose grade for medium roughing on steels, stainless and cast irons.

K10 **(K10)** Uncoated. Used in combination with a high rake geometry for machining aluminium, plastics and other soft non-ferrous materials.

QX500 **(QX500) (P10-P25 Cermet)**. For high speed finishing and light roughing. Will maintain a high class surface finish. Mainly used on steels and can be applied to finishing some stainless steels and cast irons.



Speed & Feed Recommendations for Quad Mills

Specific feed rates may vary according to work material and machine conditions but the following can be used as a general guide.

Steel Group	Materials Colour defines similar machineability	Brinell Hardness HB	Rockwell Hardness HRC	Tensile Strength N/mm²	Speed-M/Min QX500	QX520	QX530	K10
1.1	Mild, soft and free machining non-alloy low carbon steels	up to 130	-	up to 400	200-270	180-350	150-200	
1.2	Non-alloy, case hardening, structural and low to medium carbon steels	up to 200	-	up to 700	180-250	150-320	130-180	
1.3	Non alloy, plain and medium carbon steels and castings	up to 260	up to 26	up to 850	150-220	130-280	110-150	
1.4	Generally low to medium alloy steels and castings	up to 260	up to 26	up to 850	140-210	140-210	110-140	
1.5	Medium to high alloy steels, tool steels and steel castings	from 260 up to 340	from 26 up to 48	from 850 up to 1200	140-200	130-200	100-120	
1.6	Heat treated high alloy steels and castings	from 340 up to 450	from 36 up to 48	from 1200 up to 1500	110-180	100-170	70-90	
2.1	Soft & generally easy to machine Ferritic & Martensitic stainless steels & castings	up to 230	up to 20	up to 800	90-190	110-220		
2.2	Medium strength & reasonable to machine Austenitic stainless steels & castings	up to 290	up to 30	up to 1000	70-160	70-140	60-100	
2.3	Hard & generally difficult to machine Ferritic & Austenitic (duplex) stainless steels & castings	up to 340	up to 36	up to 1200			50-90	
3.1	Grey cast iron Hardness - soft to medium	up to 180	-		175-280	190-400		
3.2	Grey cast iron Hardness - medium to hard	from 180 up to 300	-		160-250	150-300		
3.3	Malleable and Nodular irons - soft to medium	up to 220	-		200-250			
3.4	Malleable and Nodular irons - medium to hard	from 220 up to 300	-		200-250			
6.1	Copper	-	-	up to 500	200-250			100-500
6.2	Brass (Alpha - long chip)	-	-	up to 800	300-500			400-700
6.3	Brass (Beta - short chip) & soft Bronze	-	-	up to 800	300-500			400-700
7.1	Unalloyed: Aluminium, Magnesium & Zinc	-	-	up to 150	300-500			400-600
7.2	Aluminium alloys less than 5% Si Magnesium & Zinc alloys (long chip)	-	-	from 150 up to 300				300-500
7.3	Aluminium alloys 5% to 10% Si	-	-	from 200 up to 500				400-700
7.4	Aluminium alloys above 10% Si (short chip)	-	-	from 200 up to 500				400-700
8.1	Thermoplastics							200-500
8.2	Thermo-setting plastics							
8.3	Reinforced plastics & composite materials							

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Multi-Pro Spot Drills & Chamfer Mills

A spotting drill with all the advantages of indexable inserts - reduced tool maintenance time, increased performance, lower inventory cost and no regrinding requirements. The insert clamping method ensures accurate and secure location with quick change-over times. Multi-pro has a unique geometry which allows cutting over the centre line, using carbide, without chipping of the cutting edge. This versatile tool may be used to 'spot' holes prior to drilling, as a means to guide the drill and keep the hole straight, to keep size and accurately position, relative to the datum.
NB. The 118° inclusive tool is recommended for 'spotting' prior to drilling with 118° point drills. Countersinks may be produced prior to drilling to provide a corner break on a drilled hole, a chamfer conforming to drawing specifications, a lead in for a subsequent tapping operation, or a full countersink to accommodate a screw head. Corner chamfers on edges, contours and bores can be machined as light de-burring operations or full depth chamfers. Multi-pro may be used to produce vee grooves for fluid channels, locations for round components and grip pattern or serrations on jaws and clamp pads.

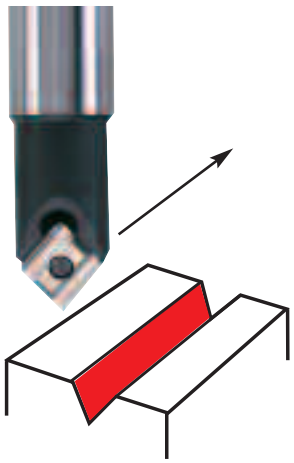


SCM1045C SC1645C SC1630C

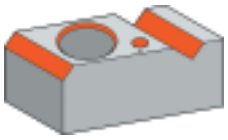
Hole Chamfer

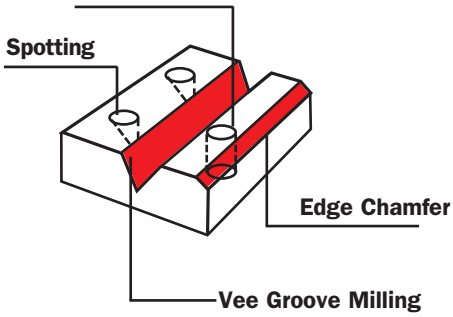


Vee Groove Milling



Application Range





'Multi Pro Mini' - Uses C22 GUX Inserts

Designation	Cutting Diameter	Overall Length	Included Angle	Shank Diameter	Weight each	Order Code IND-139
SCM 1045C	8mm	105mm	90°	10mm	78g	**-8050K**

'Multi Pro Standard' - Uses C32 GUX Inserts

Designation	Cutting Diameter	Overall Length	Included Angle	Shank Diameter	Weight each	Order Code IND-139
SC 1645C	13mm	110mm	90°	16mm	174g	**-8545K**
SC 1630C	16mm	110mm	118°	16mm	184g	**-8530K**

Insert Grade Description

QM10 **(ISO P10/M10/K10)** Tin Coated Multi-purpose grade for general use, can cut the majority of ferrous and non-ferrous materials used in industry.

QS20 **(ISO P20)** Uncoated Grade for steel and stainless steel application.

QC10 **(ISO K10)** Uncoated Grade for cast irons, aluminiums, and non-ferrous materials.



Inserts

Designation	Grade	To Suit	Order Code YML-122
C22 GUX	QM10	Multi-Pro Mini	**-0080N**
C32 GUX	QS20	Multi-Pro	**-0102P**
C32 GUX	QC10	Standard	**-0100N**

Spares

Insert Screw	Order Code IND-107
To suit SCM1045C	**-3249K**
To suit SC1645C & SC1630C	**-4800K**

Speed & Feed Recommendations for Multi-Pro

Group	Materials	Rockwell Hardness HRC	Recommended Grade		Cutting Speed M/min	Type of Operation	Feed/Rev Pro Mini 105mm	Feed/Rev Pro Standard 110mm	Feed/Rev Pro Mini 165mm
1.1 to 1.3	Alloy Steels and castings	from 36 up to 45	QS20	QM10	80~100	Spot Drilling Chamfer Milling	0.020 0.050	0.026 0.070	0.013 0.040
1.4 to 1.6	Tool and die steels	from 45 up to 55	QS20	QM10	55~65	Spot Drilling Chamfer Milling	0.012 0.030	0.016 0.050	0.008 0.020
2.1 to 2.3	Stainless steels	up to 36	QS20	QM10	70~90	Spot Drilling Chamfer Milling	0.020 0.040	0.026 0.060	0.013 0.030
3.1 to 3.4	Cast irons	-	QC10	QM10	100~120	Spot Drilling Chamfer Milling	0.034 0.050	0.045 0.070	0.022 0.040
6.1 to 6.6	Copper alloys brass and bronze	-	QC10	QM10	120~150	Spot Drilling Chamfer Milling	0.034 0.050	0.045 0.070	0.022 0.040
7.1 to 7.4	Aluminium alloys	-	QC10	QM10	120~150	Spot Drilling Chamfer Milling	0.034 0.050	0.045 0.070	0.022 0.040

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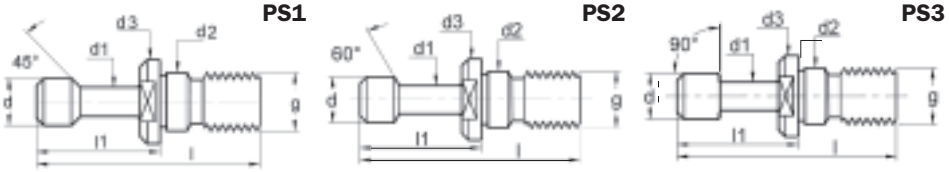
INDEXA-SEIKI Standard Pull Studs

BT-MAS 403

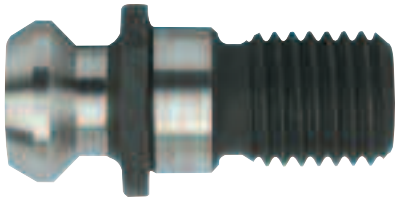


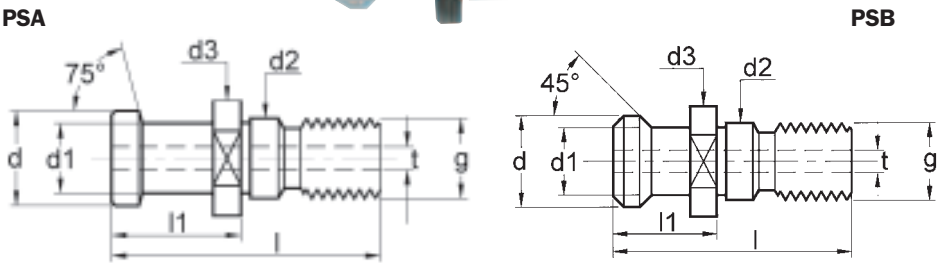


BT-MAS 403

Product Number Taper - Type	Dimensions (mm) l	l1	d	d1	d2	d3	g	Order Code IND-140
BT30 - PS1	43.0	23.0	11.0	7.0	12.5	16.5	M12	**-9230K**
BT40 - PS1	60.0	35.0	15.0	10.0	17.0	23.0	M16	**-9240K**
BT40 - PS2	60.0	35.0	15.0	10.0	17.0	23.0	M16	**-9242K**
BT40 - PS3	60.0	35.0	15.0	10.0	17.0	23.0	M16	**-9243K**
BT45 - PS1	70.0	40.0	19.0	14.0	21.0	31.0	M20	**-9245K**
BT45 - PS2	70.0	40.0	19.0	14.0	21.0	31.0	M20	**-9247K**
BT45 - PS3	70.0	40.0	19.0	14.0	21.0	31.0	M20	**-9248K**
BT50 - PS1	85.0	45.0	23.0	17.0	25.0	38.0	M24	**-9250K**
BT50 - PS2	85.0	45.0	23.0	17.0	25.0	38.0	M24	**-9252K**
BT50 - PS3	85.0	45.0	23.0	17.0	25.0	38.0	M24	**-9253K**

DIN 69871/A

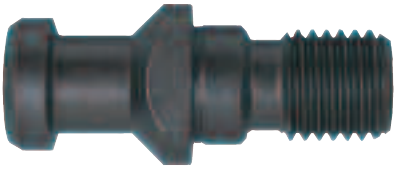


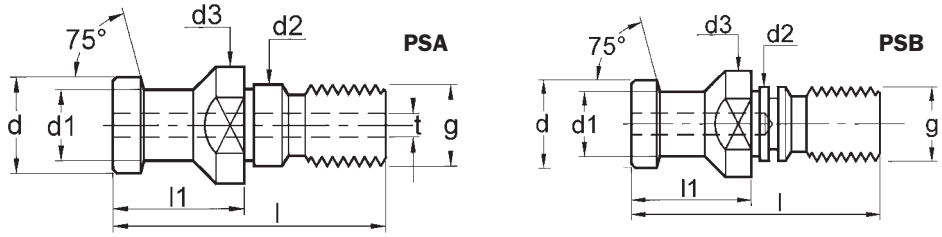


ISO 7388/2 (DIN 69871/A) (SQ = Square Shoulder)

Product Number Taper-Shoulder-Type	Dimensions (mm) l	l1	d	d1	d2	d3	t	g	Order Code IND-140
DN40-SQ-PSB	44.5	16.4	18.9	12.9	17.0	22.5	7.5	M16	**-9142K**
DN50-SQ-PSB	65.5	25.5	29.0	19.6	25.0	36.0	11.5	M24	**-9152K**

DIN 69872





DIN 69872 (CH = Chamfered Shoulder)

Product Number Taper-Shoulder-Type	Dimensions (mm) l	l1	d	d1	d2	d3	t	g	Order Code IND-140
DN40-CH-PSA	54.0	26.0	19.0	14.0	17.0	23.0	-	M16	**-9040K**
DN45-CH-PSB	65.0	30.0	23.0	17.0	21.0	30.0	-	M20	**-9047K**
DN50-CH-PSA	74.0	34.0	28.0	21.0	25.0	36.0	11.5	M24	**-9050K**

INDEXA Tool Locking Fixtures

Universal
Made from cast aluminium with machined carbon steel fittings, these fixtures are an invaluable asset in your machine shop. Universal in use, suitable for BT, DIN and CAT tool holders. Designed to give maximum protection for your tool holder whilst enabling strong gripping power to be exerted in both horizontal and vertical positions. It is tough but remains light in weight and its compact design makes it ideal for mounting on a work table or tool cart.

Overall dimensions (L x W x H)
Taper size 40: 200 x 155 x 100mm.
Taper size 50: 270 x 210 x 145mm.

Horizontal



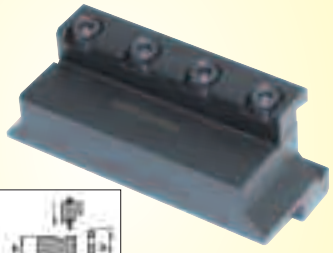


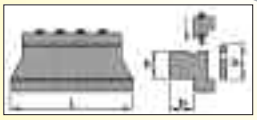
Vertical

Taper Size BT-DIN-CAT	Weight each	Order Code IND-140
30	1.9kg	**-6630K**
40	1.9kg	**-6640K**
50	4.2kg	**-6650K**

Tool Blocks

For use on manual and CNC lathes, this universal style tool block will accurately clamp all parting blades of the corresponding width, 26mm or 32mm. The rigid clamping method allows blades to be set securely for varying depths of cut.





Product Number	h1	L	h & b	Order Code IND-152
DPTS-2620	26	87	20	**-1160K**
DPTS-2625	26	87	25	**-1162K**
DPTS-3220	32	100	20	**-1170K**
DPTS-3225	32	110	25	**-1172K**
DPTS-3232	32	120	32	**-1174K**

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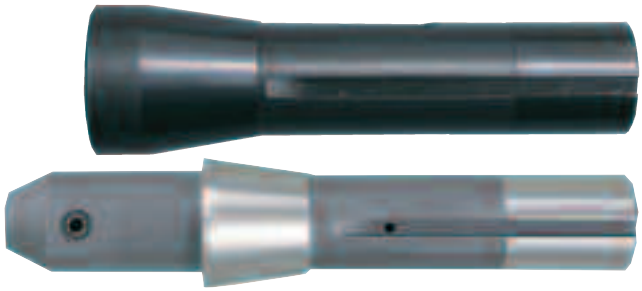
INDEXA-SEIKI Shank Adaptors

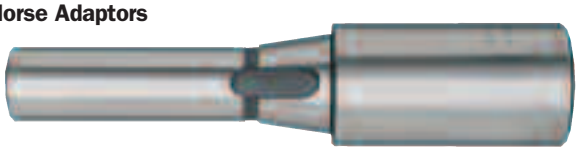
R8 Shank Sidelock Adaptors

For Bridgeport type turret milling machine spindles to accept weldon shank **(DIN 1835B)** cutters.



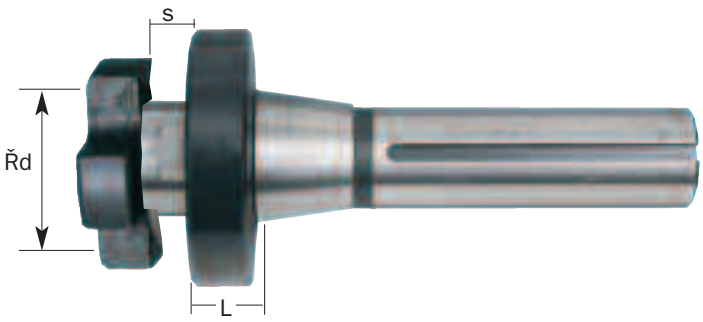
Shank	Bore Size	Weight each	Order Code IND-144
R8	SL20	1209g	**-3568K**
R8	SL25	1952g	**-3570K**

R8 Shank Morse Adaptors



Shank	Bore Size	Weight each	Order Code IND-144
R8	MT1	400g	**-5592K**
R8	MT2	332g	**-5594K**
R8	MT3	881g	**-5596K**

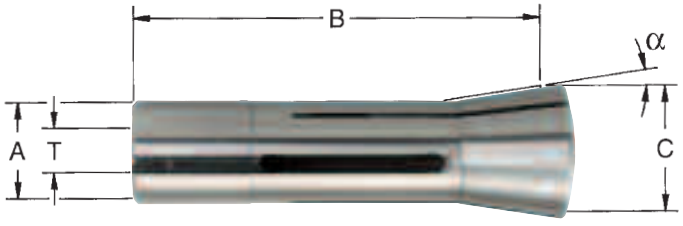
R8 Shank Face Mill Adaptors



Shank	Spigot Size	d	s	Gauge Length (L)	Weight each	Order Code IND-144
R8	FM16	16	6	15	512g	**-4970K**
	FM22	22	10	15	696g	**-4972K**
	FM27	27	12	15	741g	**-4974K**
	FM32	32	16	17	938g	**-4976K**

R8 Collets for Bridgeport

Used directly in the machine spindle for general purpose milling and drilling operations, collets have dedicated bores for specific cutter shank sizes.



Dimensions: A = 24.1mm, B = 102.3mm, C = 31.5mm T = 7/16" UNF.
Angle: α = 8°25'.

Bore Size	Weight each	Order Code IND-144
3.0mm	291g	**-3622K**
6.0mm	298g	**-3580K**
8.0mm	304g	**-3630K**
10.0mm	297g	**-3582K**
11.0mm	299g	**-3634K**
12.0mm	295g	**-3584K**
14.0mm	283g	**-3638K**
16.0mm	275g	**-3586K**
20.0mm	209g	**-3588K**

KENNEDY Industrial Drill Chuck Arbors

Precision machined, fully hardened and ground to give maximum surface contact.

Morse Taper Drive to Jacobs Taper



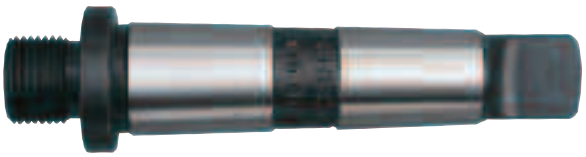
Description	Overall Length	Weight each	Order Code KEN-442
No.1 MT x 1JT	90mm	70g	**-9110K**
No.1 MT x 2JT	95mm	80g	**-9120K**
No.1 MT x 6JT	96mm	100g	**-9160K**
No.1 MT x 33JT	95mm	90g	**-9190K**
No.2 MT x 1JT	100mm	150g	**-9210K**
No.2 MT x 2JT	105mm	160g	**-9220K**
No.2 MT x 3JT	115mm	220g	**-9230K**
No.2 MT x 6JT	110mm	180g	**-9260K**
No.2 MT x 33JT	110mm	180g	**-9290K**
No.3 MT x 1JT	120mm	310g	**-9310K**
No.3 MT x 2JT	125mm	330g	**-9320K**
No.3 MT x 3JT	135mm	380g	**-9330K**
No.3 MT x 4JT	145mm	520g	**-9340K**
No.3 MT x 5JT	150mm	680g	**-9350K**
No.3 MT x 6JT	130mm	340g	**-9360K**
No.3 MT x 33JT	125mm	340g	**-9390K**
No.4 MT x 2JT	135mm	700g	**-9420K**
No.4 MT x 3JT	160mm	730g	**-9430K**
No.4 MT x 4JT	170mm	860g	**-9440K**
No.4 MT x 5JT	175mm	1000g	**-9450K**
No.4 MT x 6JT	155mm	690g	**-9460K**
No.4 MT x 33JT	155mm	680g	**-9490K**
No.5 MT x 3JT	190mm	1700g	**-9530K**
No.5 MT x 5JT	210mm	1900g	**-9550K**

Bridgeport Drive to Jacobs Taper



Description	Overall Length	Weight each	Order Code KEN-442
R8 x 1JT	130mm	420g	**-9610K**
R8 x 2JT	135mm	440g	**-9620K**
R8 x 3JT	145mm	510g	**-9630K**
R8 x 6JT	135mm	450g	**-9660K**
R8 x 33JT	135mm	460g	**-9690K**

Morse Taper Drive to Threaded



Description	Overall Length	Weight each	Order Code KEN-442
No.1 MT 1/2 x 20	92mm	100g	**-1120K**
No.1 MT 3/8 x 24	95mm	80g	**-1380K**
No.2 MT 1/2 x 20	105mm	170g	**-2120K**
No.2 MT 3/8 x 24	105mm	170g	**-2380K**
No.2 MT 5/8 x 16	105mm	180g	**-2580K**
No.3 MT 1/2 x 20	125mm	360g	**-3120K**
No.3 MT 5/8 x 16	125mm	370g	**-3580K**

KD Type - Morse Taper Shank to Din Taper Arbors

Fully hardened and ground Morse Taper to **DIN 228**.
Chuck taper to **DIN 238**.



Morse Taper	Chuck Taper	Overall length	Order Code KEN-442
No.2 MT	B12	106.5mm	**-5220K**
No.2 MT	B16	111.5mm	**-5260K**
No.3 MT	B12	125.0mm	**-5320K**
No.3 MT	B16	134.0mm	**-5360K**
No.4 MT	B16	159.0mm	**-5420K**
No.4 MT	B22	176.0mm	**-5460K**

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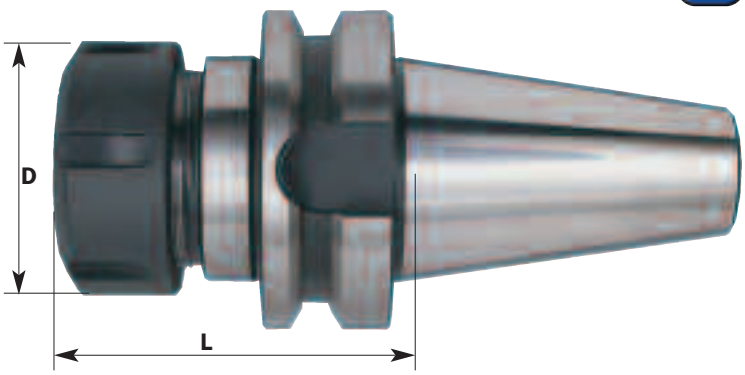
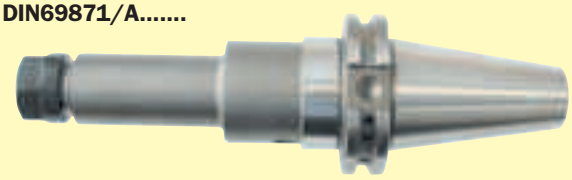
INDEXA-SEIKI ER - Collet Chucks

Europe's most popular collet system. Collapsing collet design can be used for a range of diameters and maintains concentricity for drilling and milling. Long reach options available to give access into deep recesses.



BT = BT-MAS 403.....(See main picture)

DN = DIN69871/A.....



BT-MAS 403



DN = DIN 69871/A

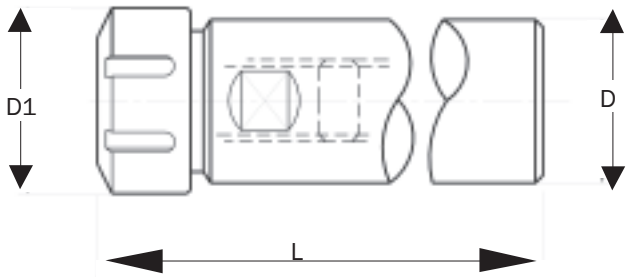
Shank	Collet Diameter	L	D	Weight each	Order Code IND-144
DN40	ER16	100	28	929g	**-2710K**
	ER16	150	28	1608g	**-2712K**
	ER25	60	42	1119g	**-2714K**
	ER32	70	50	1253g	**-2716K**
	ER32	130	50	1744g	**-2718K**
	ER40	70	63	1293g	**-2720K**

BT = BT-MAS 403

Shank	Collet Diameter	L	D	Weight each	Order Code IND-144
BT30	ER16	60	32	539g	**-2792K**
	ER32	60	50	1100g	**-2796K**
BT40	ER16	60	32	1002g	**-2798K**
	ER16	100	28	1240g	**-2800K**
	ER16	150	28	1240g	**-2802K**
	ER25	60	42	1155g	**-2804K**
	ER32	70	50	1299g	**-2806K**
	ER32	130	50	2177g	**-2808K**
	ER40	70	63	1334g	**-2810K**
BT50	ER16	100	28	3827g	**-2816K**
	ER32	70	50	3807g	**-2832K**
	ER32	130	50	4664g	**-2834K**
	ER40	80	63	4041g	**-2836K**

Straight Shank - Mini Extension

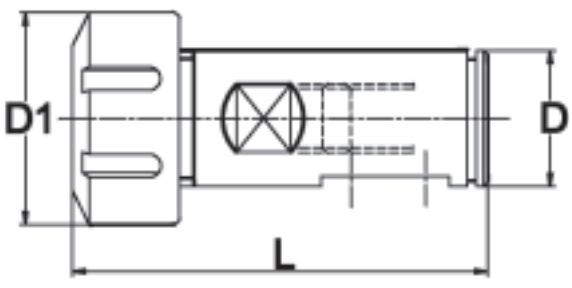




Product Number	Collet Diameter	D_1	L	D	Weight each	Order Code IND-144
SSE20	ER16	22	160	20	305g	**-2880K**

Straight Shank





Product Number	Collet Diameter	D_1	L	D	Weight each	Order Code IND-144
SS32	ER32	50	098	32	655g	**-2850K**
SS40	ER32	50	118	40	913g	**-2860K**

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INDEXA-SEIKI ER Industrial Hook Wrench

For ER8/ER40 collet nuts.
Adjustable size, drop forged steel.
Single hand adjustment. One spanner will cover 35 - 105 collet nuts.

To suit collets: ER 8, 16, 25, 32 and 40.
Metric sizes: 35, 50, 60, 70, 80, 90 and 105mm.



Description	Weight each	Order Code IND-140
Adjustable	500g	**-8100K**

Spanners & Locknuts

Suitable for all collet chucks including straight shank.



Spanners

Chuck Type	Order Code KEN-580
ER16 Mini	**-5160K**
ER16	**-5300K**
ER25	**-5400K**
ER32	**-5450K**



ER - Single Angle Collets

Manufactured from hardened and tempered high alloy steel.
Conform to **DIN 6499**.

Range mm	Weight each	Order Code IDX-144
		ER11
1.00	4g	**-2872K**
1.50	5g	**-2874K**
2.00	6g	**-2876K**
2.50	7g	**-2878K**
3.00	8g	**-2880K**
3.50	10g	**-2882K**
4.00	12g	**-2884K**
4.50	15g	**-2886K**
5.00	19g	**-2888K**
5.50	25g	**-2890K**
6.00	28g	**-2892K**
6.50	30g	**-2894K**
7.00	35g	**-2896K**
		ER16
1.0-0.5	26g	**-3200K**
2.0-1.0	25g	**-3210K**
3.0-2.0	27g	**-3220K**
4.0-3.0	28g	**-3230K**
5.0-4.0	22g	**-3240K**
6.0-5.0	19g	**-3250K**
7.0-6.0	19g	**-3260K**
8.0-7.0	17g	**-3270K**
9.0-8.0	21g	**-3280K**
10.0-9.0	15g	**-3290K**
		ER20
3.0-2.0	41g	**-3312K**
4.0-3.0	40g	**-3314K**
5.0-4.0	40g	**-3316K**
6.0-5.0	42g	**-3318K**
7.0-6.0	44g	**-3320K**
8.0-7.0	25g	**-3322K**
9.0-8.0	36g	**-3324K**
10.0-9.0	36g	**-3326K**
11.0-10.0	32g	**-3328K**
12.0-11.0	31g	**-3330K**
13.0-12.0	25g	**-3332K**
		ER25
2.0-1.0	74g	**-3400K**
3.0-2.0	76g	**-3410K**
4.0-3.0	75g	**-3420K**
5.0-4.0	76g	**-3430K**
6.0-5.0	75g	**-3440K**
7.0-6.0	72g	**-3450K**
8.0-7.0	73g	**-3460K**
9.0-8.0	71g	**-3470K**
10.0-9.0	68g	**-3480K**
11.0-10.0	67g	**-3490K**

Range mm	Weight each	Order Code IDX-144
		ER25 Continued
12.0-11.0	65g	**-3500K**
13.0-12.0	59g	**-3510K**
14.0-13.0	55g	**-3520K**
15.0-14.0	52g	**-3530K**
16.0-15.0	46g	**-3540K**
		ER32
3.0-2.0	140g	**-3700K**
4.0-3.0	141g	**-3710K**
5.0-4.0	146g	**-3720K**
6.0-5.0	147g	**-3730K**
7.0-6.0	145g	**-3740K**
8.0-7.0	148g	**-3750K**
9.0-8.0	145g	**-3760K**
10.0-9.0	141g	**-3770K**
11.0-10.0	139g	**-3780K**
12.0-11.0	134g	**-3790K**
13.0-12.0	133g	**-3800K**
14.0-13.0	128g	**-3810K**
15.0-14.0	123g	**-3820K**
16.0-15.0	119g	**-3830K**
17.0-16.0	112g	**-3840K**
18.0-17.0	103g	**-3850K**
19.0-18.0	101g	**-3860K**
20.0-19.0	44g	**-3870K**
		ER40
4.0-3.0	252g	**-4000K**
5.0-4.0	268g	**-4010K**
6.0-5.0	270g	**-4020K**
7.0-6.0	263g	**-4030K**
8.0-7.0	274g	**-4040K**
9.0-8.0	261g	**-4050K**
10.0-9.0	278g	**-4060K**
11.0-10.0	276g	**-4070K**
12.0-11.0	274g	**-4080K**
13.0-12.0	268g	**-4090K**
14.0-13.0	263g	**-4100K**
15.0-14.0	258g	**-4110K**
16.0-15.0	250g	**-4120K**
17.0-16.0	248g	**-4130K**
18.0-17.0	242g	**-4140K**
19.0-18.0	238g	**-4150K**
20.0-19.0	224g	**-4160K**
21.0-20.0	216g	**-4170K**
22.0-21.0	207g	**-4180K**
23.0-22.0	194g	**-4190K**
24.0-23.0	186g	**-4200K**
25.0-24.0	176g	**-4210K**
26.0-25.0	165g	**-4220K**

ER - Collet Sets

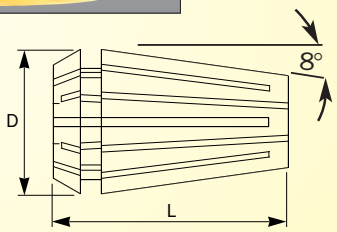
Manufactured from hardened and tempered high alloy steel.
All supplied in hard wearing bench cases.
Conform to **DIN 6499**.





Collet Dimensions (mm)

Type	Capacity	D	L
ER16	0.5-10	17.0	27.0
ER20	3.0-13	21.0	31.5
ER25	1.0-16	26.0	35.0
ER32	2.0-20	33.0	40.0
ER40	3.0-26	41.0	46.0



Collet Type	Number of Collets	Range Dia. (mm)	Weight each	Order Code IDX-144
ER16	9	1.0 - 10.0	535g	**-9010K**
ER20	11	2.0 - 13.0	637g	**-9015K**
ER25	15	1.0 - 16.0	1207g	**-9020K**
ER32	18	2.0 - 20.0	4.8kg	**-9030K**
ER40	23	3.0 - 26.0	5.5kg	**-9040K**

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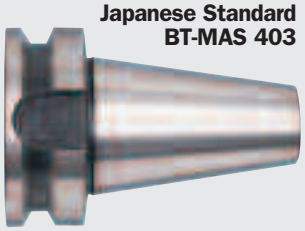
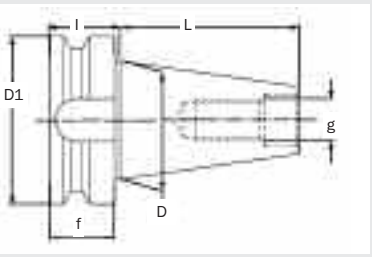
Japanese Standard
BT-MAS 403



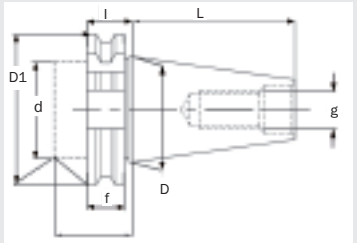
International Standards
DIN 69871/A - ISO7388/1 - NFE 62540
Commonly interchangeable with ANSI/Caterpillar Shanks

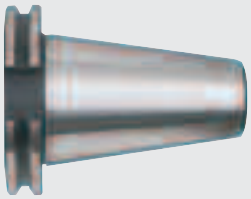
BT



Taper	D	D1	f	g	l	L
30	31.75	46	20	M12	22	48.4
35	38.10	53	22	M12	24	56.5
40	44.45	63	25	M16	27	65.4
45	57.15	85	30	M20	33	82.8
50	69.85	100	35	M24	38	101.8

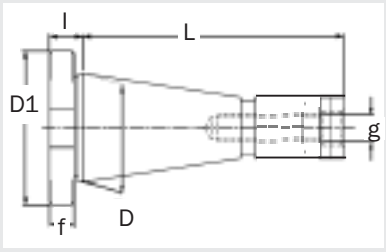
DIN



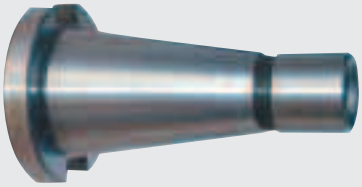


Taper	D	D1	d max	f	g	L	l	l1min
30	31.75	50	45	15.9	M12	47.8	19.1	35
40	44.45	63.55	50	15.9	M16	68.4	19.1	35
45	57.15	82.55	63	15.9	M20	82.7	19.1	35
50	69.85	97.5	80	15.9	M24	101.75	19.1	35

ISO Including Quick Change.



ISO Standard
ISO R 297-2583 - DIN 2080



ISO

Taper	D	D1	f	g	l	L	L1
30	31.75	50	8	M12	9.61	68.39	-
40	44.45	63	10	M16	11.6	93.40	7
45	57.15	80	12	M20	15.2	106.8	-
50	69.85	97.5	12	M24	15.2	126.8	13

Quick Change

Taper	D	D1	L	f	l	g
30	31.75	46.0	69	8.76	10.7	M12
40	44.45	63.5	93	7.98	9.9	M16

FM - Face Mill Adaptors

From an extensive programme of quality spindle nose tooling, used with an extensive range of face and shell mills.

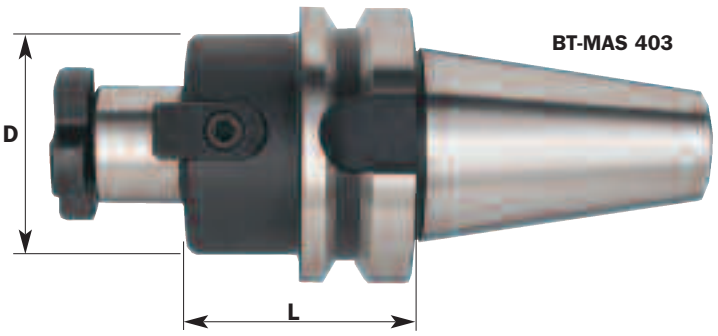
BT = BT-MAS 403 (See main picture)

DN = DIN69871/A.....



IS = ISO/DIN 2080/
QC = ISO/DIN 2080 Quick Change.....





Shank	Spigot Diameter	L	D	Weight each	Order Code IND-144
DN40	FM22	60	50	1554g	**-4610K**
	FM22	120	40	2167g	**-4612K**
	FM27	60	50	1602g	**-4614K**
	FM27	120	48	2705g	**-4616K**
	FM32	60	78	2326g	**-4618K**
QC40	FM22	37	40	1125g	**-4810K**
	FM22	90	40	1845g	**-4812K**
	FM27	37	48	1275g	**-4814K**
	FM32	37	58	1558g	**-4818K**
	FM40	37	70	2025g	**-4822K**

Shank	Spigot Diameter	L	D	Weight each	Order Code IND-144
BT40	FM16	52	36	1.2kg	**-4907K**
	FM22	52	50	1.5kg	**-4910K**
	FM22	120	40	2.2kg	**-4912K**
	FM27	52	50	1.5kg	**-4914K**
	FM27	120	48	2.7kg	**-4916K**
	FM32	52	78	2.2kg	**-4918K**
	FM40	60	89	2.9kg	**-4922K**

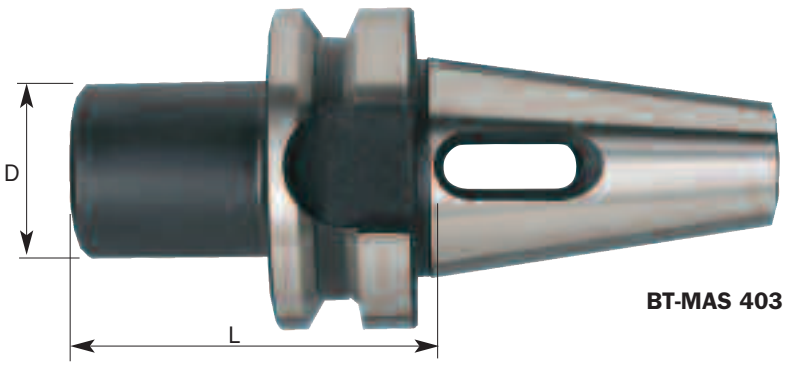
MT - Morse Taper Adaptors

With internal morse taper socket. For use on drilling machines etc. For drills, core drills, reamers etc. Manufactured to stringent quality standards.

BT = BT-MAS 403.....(See main picture)

QC = ISO/DIN 2080
Quick Change.....





BT-MAS 403

Shank	Morse Taper	L	D	Weight each	Order Code IND-144
QC40	2	50	32	882g	**-5826K**
	3	65	40	1008g	**-5830K**
	4	95	48	1304g	**-5834K**

Shank	Morse Taper	L	D	Weight each	Order Code IND-144
BT40	1	50	25	1033g	**-5922K**
	2	50	32	1050g	**-5926K**
	3	70	40	1186g	**-5930K**
	4	95	48	1394g	**-5934K**
BT50	3	65	40	3750g	**-5974K**

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INDEXA-SEIKI *Tapping Head Sets*

Adjustable torque control protects against tap breakage/overload. Auto-reverse withdraws the tap without reversing the machine spindle. Each set is supplied complete with two rubber flex collets, two Morse arbors, kick bar and wrenches. Suitable for use with ISO, DIN and ANSI taps. These tapping heads are suitable for light and medium duty applications not for production machining. Range capacity is nominal sizes only and is dependent on tap shank dimensions (ISO or DIN).



Model JSN-7
IND- 144-8010K



Model JSN-12
IND- 144-8020K



Model JSN-20
IND- 144-8030K



Model	Range	Morse Taper	Recommended Max. Speed	Reverse Ratio	Body Diameter	Overall Length	Clockwise Compression	Self Feed*	Clockwise Expansion	Weight each	Order Code **IND-144**
JSN-7	M2-7	1 & 3	1500 RPM	01:01.6	52mm	130mm	5.0mm	3.5mm	10.0mm	2.10kg	**-8010K**
JSN12	M4-12	3 & 4	1000 RPM	01:01.8	75mm	156mm	5.0mm	4.5mm	14.0mm	4.20kg	**-8020K**
JSN-20	M8-20	3 & 4	600 RPM	01:01.7	90mm	205mm	6.0mm	6.0mm	14.0mm	7.00kg	**-8030K**

Flexible Rubber Collet Sets

To suit Indexa-Seiki tapping heads. Supplied as sets of two collets.



Tapping Head	Contact Length	Cone Angle	Outside Diameter	Weight each	Order Code **IND-140**
JSN - 7	12mm	36°	15mm	10g	**-9600K**
JSN - 12	12mm	36°	22mm	20g	**-9610K**
JSN - 20	12mm	36°	26mm	40g	**-9620K**

Arbors

Suitable for	Morse taper to Jacobs taper	Overall Length	Weight Each	Order Code **KEN-442**
JSN-7& JSN-12	1MT x 6JT	96mm	100g	**-9160K**
	2MT x 6JT	110mm	180g	**-9260K**
	3MT x 6JT	130mm	340g	**-9360K**
	4MT x 6JT	155mm	690g	**-9460K**

		Order Code **IND-140**
JSN-20	3MT x M20 x 2.5	**-9430K**
	4MT x M20 x 2.5	**-9440K**

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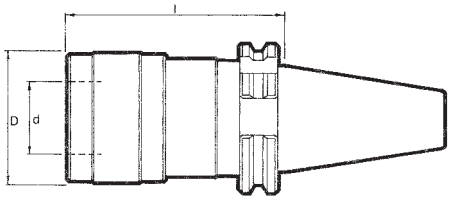
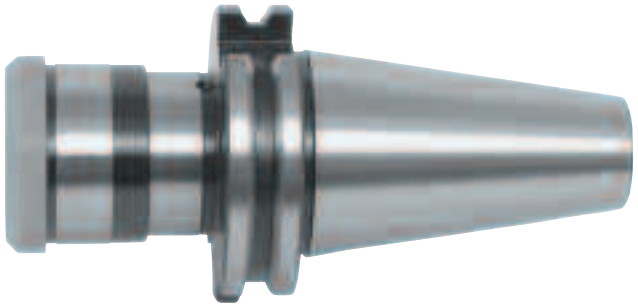
INDEXA-SEIKI *Tapping Chucks - Tension & Compression Type*

With axial compensation. Suitable for use on boring machines and machining centres.

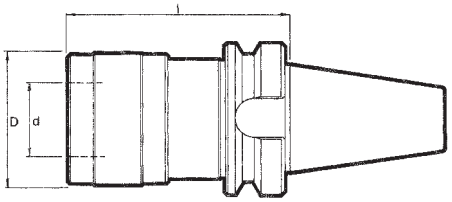
ISO/DIN 69871-A Taper Shank

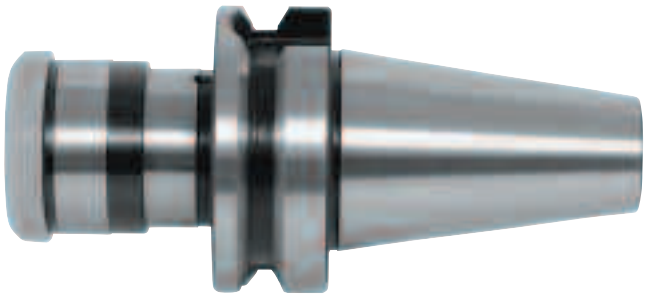




Collet Size (d)	Shank Size	Dimensions D	Dimensions l	Tapping Range	Compression Range	Extension Range	Order Code IND-144
SC19	DN40	38.0	60	M3 - M12	9.0	9.0	**-8630K**
	DN50	38.0	62	M3 - M12	9.0	9.0	**-8640K**

MAS 403 BT Taper Shank

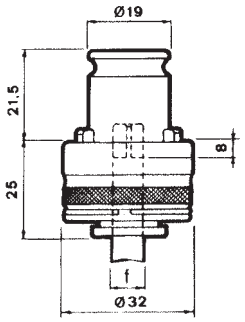




Collet Size(d)	Shank Size	Dimensions D	Dimensions l	Tapping Range	Compression Range	Extension Range	Order Code IND-144
SC19	BT40	38.0	68	M3 - M12	9.0	9.0	**-8610K**
	BT50	38.0	80	M3 - M12	15.0	15.0	**-8620K**
SC31	BT40	55.0	93	M6-M20	15.0	15.0	**-8612K**
	BT50	55.0	102	M6-M20	15.0	15.0	**-8622K**

Tapping Collets

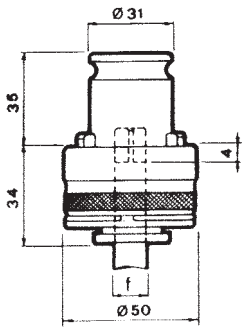
Slipping clutch type. To suit tension and compression type tapping chucks shown above.





Size (d) SC19/1	For DIN Taps 352	371	374	376	Dimensions Shank	A/F	Order Code IDX-144
335	M3	M3			3.5	2.7	**-9230K**
445	M4	M4			4.5	3.4	**-9232K**
645			M6	M6	4.5	3.4	**-9234K**
56	M5	M5			6.0	4.9	**-9220K**
6649	M6	M6			6.0	4.9	**-9238K**
86	M8		M8	M8	6.0	4.9	**-9222K**
88		M8			8.0	6.2	**-9224K**
997		M9			9.0	7.0	**-9236K**
107	M10		M10	M10	7.0	5.5	**-9226K**
1010		M10			10.0	8.0	**-9280K**
11862	M11		M11	M11	8.0	6.2	**-9240K**
129	M12		M12	M12	9.0	7.0	**-9228K**

Size (d) SC19/1	For ISO 529 Taps Metric	UNC/UNF	BSW/BSF	BA/BSP	Dimensions Shank	A/F	Order Code IDX-144
3315	M3	4 / 5	1/8"	5BA	3.15	2.50	**-9274K**
0044	M4		5/32"		4.00	3.15	**-9260K**
0046	M4.5	8		3BA	4.50	3.55	**-9262K**
55	M5	10	3/16"	2BA	5.00	4.00	**-9270K**
0053	M5.5	12	7/32"	1BA	5.60	4.50	**-9268K**
663	M6	1/4"	1/4"	0BA	6.30	5.00	**-9272K**
0082	M8	5/16"	5/16"		8.00	6.30	**-9264K**
1010	M10	3/8"	3/8"		10.00	8.00	**-9280K**
0121	M12	1/2"	1/2"		9.00	7.10	**-9266K**





Size (d) SC31/2	For DIN Taps 352	371	374	376	Dimensions Shank	A/F	Order Code IDX-144
6649		M6			6.0	4.9	**-9314K**
8649	M8		M8	M8	6.0	4.9	**-9316K**
88		M8			8.0	6.2	**-9300K**
997		M9			9.0	7.0	**-9306K**
107	M10		M10	M10	7.0	5.5	**-9302K**
1010		M10			10.0	8.0	**-9360K**
11862	M11		M11	M11	8.0	6.2	**-9318K**
129	M12		M12	M12	9.0	7.0	**-9304K**
1411	M14		M14	M14	11.0	9.0	**-9308K**
1612	M16		M16	M16	12.0	9.0	**-9310K**
181411	M18		M18	M18	14.0	11.0	**-9320K**
2016	M20		M20	M20	16.0	12.0	**-9312K**

Size (d) SC31/2	For ISO 529 Taps Metric	UNC/UNF	BSW/BSF	BA/BSP	Dimensions Shank	A/F	Order Code IDX-144
663	M6	1/4"	1/4"	0BA	6.3	5.0	**-9346K**
0082	M8	5/16"	5/16"		8.0	6.3	**-9340K**
1010	M10	3/8"	3/8"		10.0	8.0	**-9360K**
0121	M12	1/2"	1/2"		9.0	7.1	**-9344K**
14112	M14	9/16"	9/16"		11.2	9.0	**-9352K**
16125	M16	5/8"	5/8"		12.5	10.0	**-9354K**
1814112	M18				14.0	11.2	**-9356K**
2014	M20	3/4"	3/4"		14.0	11.2	**-9348K**
2216	M22	7/8"	7/8"		16.0	12.5	**-9350K**
001814	M24	1"	1"		18.0	14.0	**-9342K**

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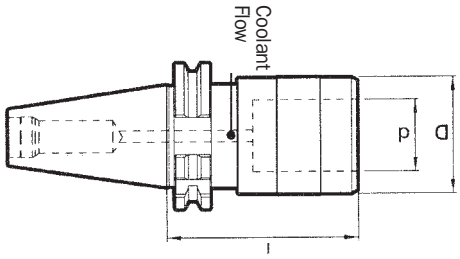
INDEXA-SEIKI *Tapping Chucks - Rigid Type (No Compression)*

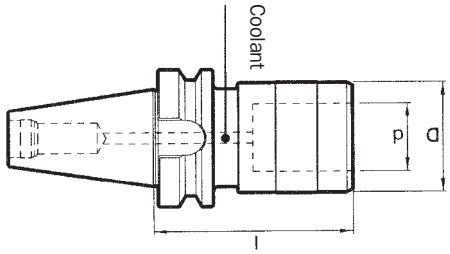
With through coolant. Suitable for use on CNC machines set up for rigid tapping.

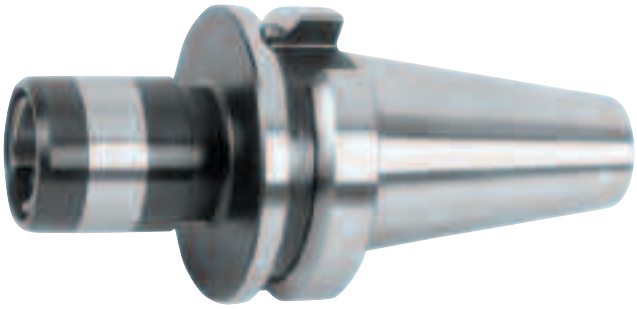
ISO/DIN 69871-A Taper Shank





Collet Size (d)	Shank Size	Dimensions D	Dimensions l	Tapping Range	Order Code IND-144
SC19	DN40	33.0	59	M3-M12	**-8530K**
	DN50	33.0	75	M3-M12	**-8540K**
SC31	DN40	50.0	86	M6-M20	**-8532K**
	DN50	50.0	98	M6-M20	**-8542K**

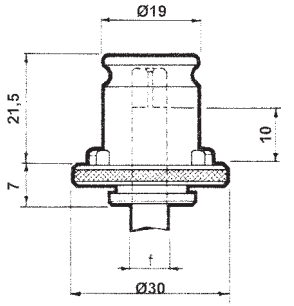




Collet Size (d)	Shank Size	Dimensions D	Dimensions l	Tapping Range	Order Code IND-144
SC19	BT40	33.0	67	M3-M12	**-8510K**
	BT50	33.0	78	M3-M12	**-8520K**
SC31	BT40	50.0	90	M6-M20	**-8512K**

Tapping Collets

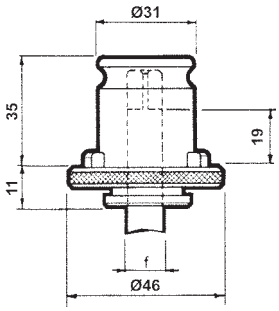
Rigid type. To suit Rigid Type tapping chucks shown above.





Size (d) SC19/11	For DIN Taps 352	371	374	376	Dimensions Shank	A/F	Order Code IDX-144
3527	M3	M3	M5	M5	3.5	2.7	**-9108K**
4534	M4	M4			4.5	3.4	**-9110K**
649	M5-M8	M5-M6	M8	M8	6.0	4.9	**-9102K**
862		M8	M11	M11	8.0	6.2	**-9106K**
755	M10	M7	M10	M10	7.0	5.5	**-9104K**
97	M12	M9	M12	M12	9.0	7.0	**-9100K**
108		M10			10.0	8.0	**-9140K**

Size (d) SC19/11	For ISO 529 Taps Metric	UNC/UNF	BSW/BSF	BA	Dimensions Shank	A/F	Order Code IDX-144
31525	M3	4/5	1/8"	5BA	3.15	2.50	**-9132K**
0044	M4		5/32"		4.00	3.15	**-9120K**
0046	M4.5	8		3BA	4.50	3.55	**-9122K**
54	M5	10	3/16"	2BA	5.00	4.00	**-9128K**
635	M6	1/4"	1/4"	0BA	6.30	5.00	**-9130K**
0082	M8/M11	5/16"/7/16"	5/16"/7/16"		8.00	6.30	**-9124K**
0121	M9/M12	1/2"	1/2"		9.00	7.10	**-9126K**
108	M10	3/8"	3/8"		10.00	8.00	**-9140K**





Size (d) SC31/12	For DIN Taps 352	371	374	376	Dimensions Shank	A/F	Order Code IDX-144
649	M5-M8	M5-M6	M8	M8	6.0	4.9	**-9166K**
862	M11	M8	M11	M11	8.0	6.2	**-9170K**
97	M12	M9	M12	M12	9.0	7.0	**-9160K**
755	M10		M10	M10	7.0	5.5	**-9168K**
108		M10			10.0	8.0	**-9200K**
119	M14		M14	M14	11.0	9.0	**-9162K**
129	M16		M16	M16	12.0	9.0	**-9164K**
1411	M18		M18	M18	14.0	11.0	**-9172K**
1612	M20		M20	M20	16.0	12.0	**-9174K**

Size (d) SC31/12	For ISO 529 Taps Metric	UNC/UNF	BSW/BSF	BA/BSP	Dimensions Shank	A/F	Order Code IDX-144
635	M6	1/4"	1/4"	0BA	6.3	5.0	**-9184K**
755	M7				7.0	5.5	**-9186K**
0082	M8/M11	5/16"/7/16"	5/16"/7/16"	1/8" BSP	8.0	6.3	**-9180K**
0121	M9/M12	1/2"	1/2"		9.0	7.1	**-9182K**
108	M10	3/8"	3/8"	1/4" BSP	10.0	8.0	**-9200K**
1129	M14	9/16"	9/16"		11.2	9.0	**-9188K**
12510	M16	5/8"	5/8"	3/8" BSP	12.5	10.0	**-9192K**
14112	M18/M20	3/4"	3/4"		14.0	11.2	**-9194K**
16125	M22	7/8"	7/8"		16.0	12.5	**-9196K**
1814	M24	1"	1"	5/8" BSP	18.0	14.0	**-9190K**

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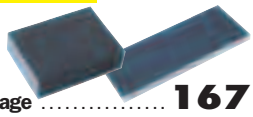
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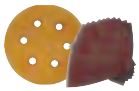
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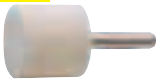
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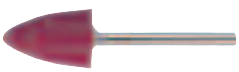
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ABRASIVES & POWER TOOLS

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Product Grading

Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.

Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.

Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.

Workshop
Standard quality tooling for use by tradesmen and generally industrial use.

Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.

Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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KENNEDY Sanding Sheets

Industrial aluminium oxide sanding paper is 'glue' bonded and suitable for use with hand sanding blocks and orbital sanders.

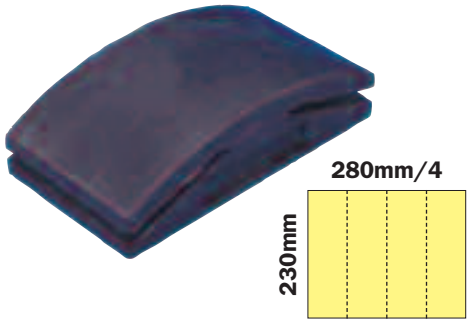


PACK OF 25

Grit	Weight per 25	Order Code KEN-200
1/3 Sheet (93mm Wide x 230mm Long)		
P80 Med	290g	**-9150K**
P50 Cse	330g	**-9190K**
1/2 Sheet (115mm Wide x 280mm Long)		
P120 Fine	400g	**-9410K**
P80 Med	380g	**-9450K**
P50 Cse	570g	**-9490K**

1/4 Sheet Hand Sanding Pad

Made from compound rubber. With curved and flat sides. Complete with locating spikes.



Suitable for all types of coated abrasive sheets. Accepts a standard 230 x 280mm sheet split down into quarters across the width, as shown.

Width x Length x Height (mm)	Weight each	Order Code KEN-280
70 x 125 x 35	360g	**-4100K**

Aluminium Oxide Cloth

Superflex aluminium oxide is 'resin bonded over resin' on a very flexible J-weight blue twill cloth. Moisture resistant and electrostatically coated for polishing flat and contoured surfaces in most materials.

Rolls



Grit	Weight each	Order Code KEN-200
25mm Wide x 50m Long		
P40	1.65kg	**-2210K**
P60	1.20kg	**-2170K**
P80	0.95kg	**-2150K**
P100	1.00kg	**-2130K**
P120	0.80kg	**-2110K**
P150	0.70kg	**-2090K**
P180	0.70kg	**-2080K**
P220	0.70kg	**-2070K**
P240	0.65kg	**-2060K**
P280	0.55kg	**-2050K**
P320	0.60kg	**-2030K**
38mm Wide x 50m Long		
P60	2.00kg	**-2470K**
P80	1.70kg	**-2450K**
P100	1.40kg	**-2430K**
P120	1.30kg	**-2410K**
P150	1.10kg	**-2390K**
P220	1.15kg	**-2370K**
50mm Wide x 50m Long		
P40	3.35kg	**-2810K**
P60	2.30kg	**-2770K**
P80	2.10kg	**-2750K**
P100	1.60kg	**-2730K**
P120	1.60kg	**-2710K**
P150	1.40kg	**-2690K**
P180	1.60kg	**-2680K**
P220	1.30kg	**-2670K**
P240	1.30kg	**-2660K**
P320	1.15kg	**-2630K**

Sheets
Size: 230 x 280mm (9" x 11").
Supplied in packs of 50.



PACK OF 50

Grit	Weight per 50	Order Code KEN-200
230mm Wide x 280mm Long		
P40	4.00kg	**-3210K**
P50	3.25kg	**-3190K**
P60	3.20kg	**-3170K**
P80	2.70kg	**-3150K**
P100	2.25kg	**-3130K**
P120	2.10kg	**-3110K**
P150	1.95kg	**-3090K**
P180	1.85kg	**-3080K**
P220	1.75kg	**-3070K**
P240	1.70kg	**-3060K**
P280	1.75kg	**-3050K**
P320	1.50kg	**-3030K**

SENATOR QUALITY TOOLING Glass Paper

Suitable for joinery and general woodworking use ideal for surface preparation prior to painting.

Size: 230mm wide x 280mm long.



PACK OF 50

Grit	Order Code SEN-200
00	**-8010K**
0	**-8020K**
1	**-8030K**
1.5	**-8040K**
F2	**-8060K**
M2	**-8070K**
S2	**-8080K**
Assorted Sheets Glass Paper (pk 5)	**-8100K**

Assorted Emery Strips

Approximately 100 strips of assorted grades. Suitable for a variety of industrial, garage and workshop applications.

Size: 1" (25mm) x 10" (250mm).

100 PIECES



Strip Size	Pack Quantity	Order Code SEN-200
25 x 250	100 (approx)	**-9000K**

Aluminium Oxide Cloth

Aluminium oxide resinoid, cloth backed, X-weight for workshop use.

Rolls



Grit	Order Code SEN-200
25mm Wide x 46m Long	
P60	**-2170K**
P120	**-2110K**
P180	**-2080K**
P240	**-2060K**

Sheets
Size: 230 x 280mm (9" x 11").
Supplied in packs of 25.



PACK OF 25

Grit	Order Code SEN-200
230mm Wide x 280mm Long	
P60	**-4010K**
P120	**-4030K**
P180	**-4050K**
P240	**-4070K**

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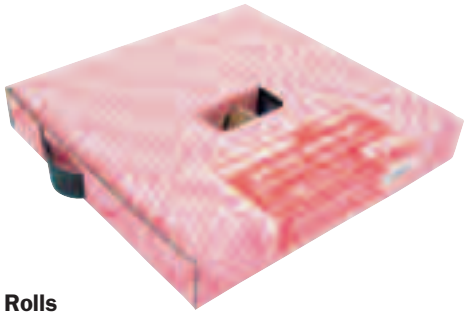
KENNEDY Economy Emery Cloth

Blue twill economy emery is 'glue bonded' to a very flexible J-weight blue twill cloth. Suitable for general-purpose, light duty workshop use.



Rolls

Grit	Weight each	Order Code KEN-200
25mm Wide x 50m Long		
P40 (3)	1.30kg	**-0210K**
P50 (2.5)	1.30kg	**-0190K**
P60 (2)	1.20kg	**-0170K**
P80 (1.5)	0.90kg	**-0150K**
P100 (1)	0.90kg	**-0130K**
P120 (F)	0.75kg	**-0110K**
P150 (FF)	0.60kg	**-0090K**
P220 (0)	0.50kg	**-0070K**
P280 (00)	0.50kg	**-0050K**
38mm Wide x 50m Long		
P50 (2.5)	1.70kg	**-0490K**
P60 (2)	1.50kg	**-0470K**
P80 (1.5)	0.95kg	**-0450K**
P100 (1)	1.10kg	**-0430K**
P120 (F)	1.00kg	**-0410K**
P150 (FF)	1.00kg	**-0390K**
P220 (0)	0.70kg	**-0370K**
50mm Wide x 50m Long		
P40 (3)	2.40kg	**-0810K**
P50 (2.5)	2.10kg	**-0790K**
P60 (2)	1.90kg	**-0770K**
P80 (1.5)	1.70kg	**-0750K**
P100 (1)	1.80kg	**-0730K**
P120 (F)	1.20kg	**-0710K**
P150 (FF)	1.20kg	**-0690K**
P220 (0)	0.90kg	**-0670K**
P280 (00)	0.90kg	**-0650K**

Sheets

230 x 280mm (9" x 11").
Supplied in packs of 50.



PACK OF 50

Grit	Weight per 50	Order Code KEN-200
P40 (3)	3.35kg	**-1210K**
P50 (2.5)	3.00kg	**-1190K**
P60 (2)	2.50kg	**-1170K**
P80 (1.5)	1.80kg	**-1150K**
P100 (1)	2.20kg	**-1130K**
P120 (F)	1.80kg	**-1110K**
P150 (FF)	1.25kg	**-1090K**
P220 (0)	1.60kg	**-1070K**
P280 (00)	1.15kg	**-1050K**

Wet or Dry Silicon Carbide Paper

Silicon carbide is waterproof-resin bonded to paper suitable for wet and dry production polishing and finishing of a wide range of materials including metals, plastics, paintwork, ceramics etc.
Supplied in packs of 50.



PACK OF 50

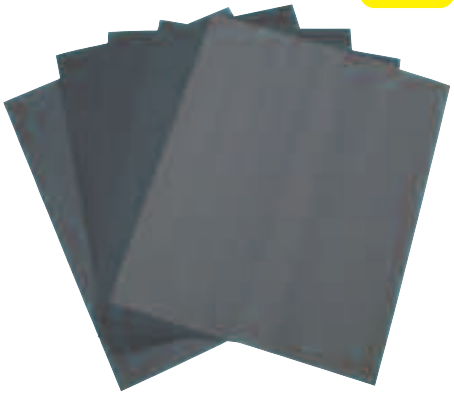
Grit	Weight per 50	Order Code KEN-200
230mm Wide x 280mm Long		
P60	2.00kg	**-7060K**
P80	1.65kg	**-7080K**
P100	1.55kg	**-7100K**
P120	1.50kg	**-7120K**
P150	1.25kg	**-7140K**
P180	1.20kg	**-7160K**
P220	1.10kg	**-7180K**
P240	1.00kg	**-7200K**
P280	0.95kg	**-7220K**
P320	0.85kg	**-7240K**
P360	0.80kg	**-7260K**
P400	0.70kg	**-7280K**
P500	0.65kg	**-7300K**
P600	0.60kg	**-7320K**
P800	0.55kg	**-7340K**
P1000	0.55kg	**-7360K**
P1200	0.55kg	**-7380K**

SENATOR QUALITY TOOLING Wet & Dry Sheet Kit

Silicon carbide. Waterproof-resin bonded paper. Suitable for wet and dry applications. For metal and wood giving a high quality surface preparation and an excellent key for following coats.

Contents Pack of 25 (5 of each):
P180, P240, P320, P400, P600.
All sheets 230 x 280mm.

PACK OF 25



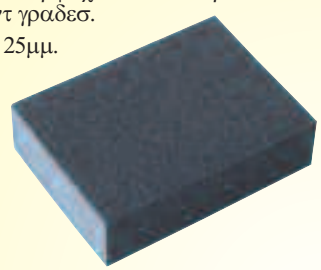
Grit	Weight per 25	Order Code SEN-200
Mixed	370g	**-8200K**

YORK ABRASIVES Flexible Abrasives

Al-Ox

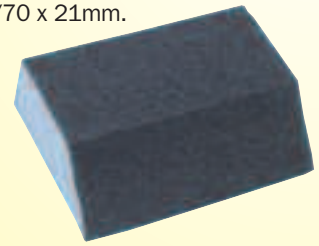
Abrasive covered foam for general-purpose sanding on wood.

Double-Sided Blocks Square End
Abrasive coated semi-flexible sponge, coated on all four surfaces. Suitable for sanding 90° χοντουρεδ συρφαχεσ. Αωαιλαβλε ιν φουρ διφφερεντ γραδεσ.
Σιζε: 56 ξ 69 ξ 25μμ.



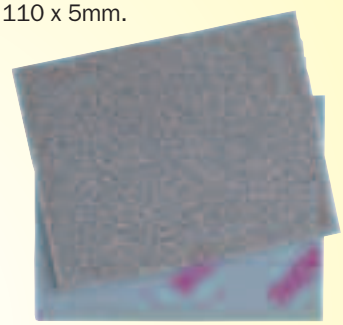
Grade	Weight each	Order Code YRK-201
Fine	21g	**-9000K**
Fine/ Medium	23g	**-9010K**
Medium	27g	**-9020K**
Medium/ Coarse	29g	**-9030K**

Chamfered Sanding Block
Semi-flexible abrasive coated sponge. The different surface angles allow awkwardly contoured wooden surfaces to be easily sanded. Available in two different grades.
Size: 97 x 45/70 x 21mm.



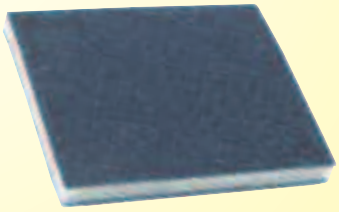
Grade	Weight each	Order Code YRK-201
Medium	20g	**-8310K**
Fine	14g	**-8320K**

Single-Sided Pads
Single-sided highly flexible abrasive coated sponge pad. Will conform to the shape of any contoured surface.
Available in three different grades.
Size: 140 x 110 x 5mm.



Grade	Weight each	Order Code YRK-201
Medium	15g	**-9510K**
Fine	13g	**-9520K**

Double Sided Pads
Flexible abrasive coated sponge pads will conform to most contoured surface shape. Coated with abrasive on both sides.
Available in two different grades.
Size: 120 x 96 x 12.5mm.



Grade	Weight each	Order Code YRK-201
Medium	18g	**-9310K**
Fine	11g	**-9320K**

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YORK ABRASIVES Fibre Discs

Aluminium Oxide
General-Purpose Grade

Al-Ox

Resin fibre backed sanding discs are designed for a wide range of industrial applications. High speed penetration of tough and high tensile materials combined with long disc life and optimum flexibility ensure York sanding discs give first class performance every time. Recommended for use with all portable grinders and sanders.

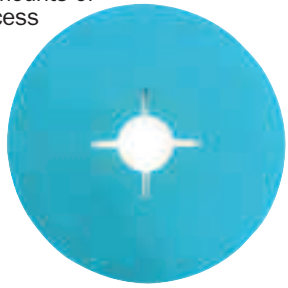


Grit	Weight per 100	Order Code YRK-202
100mm Diameter x 16mm Bore		Max 12,400rpm
P24	0.55kg	**-2010K**
P36	0.55kg	**-2030K**
P50	0.45kg	**-2050K**
P60	0.45kg	**-2060K**
P80	0.40kg	**-2070K**
P100	0.35kg	**-2080K**
P120	0.35kg	**-2090K**
115mm Diameter x 22mm Bore		Max 11,000rpm
P24	1.70kg	**-2110K**
P36	1.65kg	**-2130K**
P50	1.60kg	**-2150K**
P60	1.55kg	**-2160K**
P80	1.50kg	**-2170K**
P100	1.50kg	**-2180K**
P120	1.45kg	**-2190K**
178mm Diameter x 22mm Bore		Max 7,000rpm
P24	1.95kg	**-2410K**
P36	1.80kg	**-2430K**
P50	1.55kg	**-2450K**
P60	1.55kg	**-2460K**
P80	1.40kg	**-2470K**
P120	1.30kg	**-2490K**

Zirconium
Stainless Steel Grade

Zirc

The zirconia grain is supported by grinding additives which lubricate and cool the area being ground and help prevent clogging, prolonging the effective life of the disc. Suitable for use on all types of stainless steels, weld seams castings and other sophisticated metals for extended periods, removing large amounts of metal without excess heat build up.



Grit	Weight per 25	Order Code YRK-202
115mm Diameter x 22mm Bore		Max 13,300rpm
P36	0.65kg	**-4130K**
P50	0.60kg	**-4150K**
P60	0.55kg	**-4160K**
P80	0.80kg	**-4170K**
P100	0.50kg	**-4180K**
P120	0.45kg	**-4190K**

KENNEDY QUALITY INDUSTRIAL TOOLING Fibre Discs

Al-Ox

Aluminium Oxide

Designed for a wide range of applications. High speed penetration of tough and high tensile materials combined with long disc life and optimum flexibility ensure Kennedy sanding discs give first class performance every time. Recommended for use with all portable grinders and sanders.



Grit	Weight per 25	Order Code KEN-202
100mm Diameter x 16mm Bore		Max 12,400rpm
P24	0.55kg	**-2010K**
P36	0.55kg	**-2030K**
P50	0.45kg	**-2050K**
P60	0.45kg	**-2060K**
P80	0.40kg	**-2070K**
P100	0.35kg	**-2080K**
P120	0.35kg	**-2090K**
115mm Diameter x 22mm Bore		Max 11,000rpm
P24	0.70kg	**-2110K**
P36	0.65kg	**-2130K**
P50	0.60kg	**-2150K**
P60	0.55kg	**-2160K**
P80	0.50kg	**-2170K**
P100	0.50kg	**-2180K**
P120	0.45kg	**-2190K**
127mm Diameter x 22mm Bore		Max 10,000rpm
P24	0.70kg	**-2210K**
P36	0.80kg	**-2230K**
P50	0.70kg	**-2250K**
P60	0.70kg	**-2260K**
P80	0.60kg	**-2270K**
P100	0.60kg	**-2280K**
P120	0.60kg	**-2290K**
178mm Diameter x 22mm Bore		Max 7,000rpm
P24	1.95kg	**-2410K**
P36	1.80kg	**-2430K**
P50	1.55kg	**-2450K**
P60	1.55kg	**-2460K**
P80	1.40kg	**-2470K**
P100	1.35kg	**-2480K**
P120	1.25kg	**-2490K**

SENATOR QUALITY TOOLING Fibre Disc Kit

Al-Ox

Aluminium Oxide resin-backed fibre. Long disc life. Optimum flexibility. For metal and wood. For use with portable grinders and sanders.

Contents:
5 each of P24, P36, P60, P80, P120.
All discs - 115 x 22mm.
Pack of 25 discs.

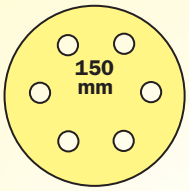


PACK OF 25

Grit	Weight per 25	Order Code SEN-202
Mixed	0.45kg	**-8500K**

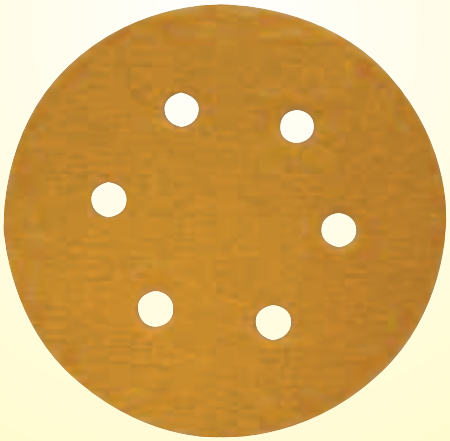
YORK ABRASIVES Adhesive Backed Discs

Adhesive-backed aluminium oxide paper discs requiring no tools to change the disc. When the abrasive becomes worn or a different grit is needed, just peel off and apply a fresh disc, reducing machine downtime therefore increasing productivity.



BEST SELLER

Hole Pattern: 600A.
6 Hole.

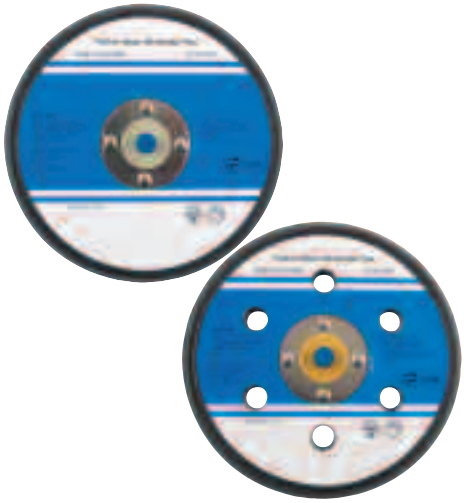


Grade	Weight per 100	Order Code YRK-202
P60	540g	**-6360K**
P80	490g	**-6370K**
P100	440g	**-6380K**
P120	420g	**-6390K**
P150	400g	**-6400K**
P180	350g	**-6410K**
P220	350g	**-6420K**

Self-stick Backing Pads

For use with rotary and orbital sanders. The 125mm pad can be used for discs with or without holes

Thread size: 5/16" x UNF male.



To Suit Disc	Hole Configuration	Order Code KEN-280
150mm	No Hole	**-3870K**
	6 Hole	**-3920K**

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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KOBE

Hook-n-Loop Backed Sanding Discs

No spanners required. 100% of disc can be used, material removal rate is therefore increased. Can be repeatedly removed and re-applied. Silicon carbide abrasive especially suitable for automotive body preparation prior to spraying and for cutting back two-pack paint finishes. Can be used wet or dry.



Disc Diameter	Grade	Pack Qty	Order Code KBE-280
50mm (2")	320	25	-0203A
	400		-0204A
	600		-0205A
75mm (3")	320	25	-0206A
	400		-0207A
	600		-0208A

Flexible Backing Pads for Hook-n-Loop Sanding Discs

Suitable for use with Kobe Hook-n-Loop sanding discs for rapid disc changing.

Thread size: M6.



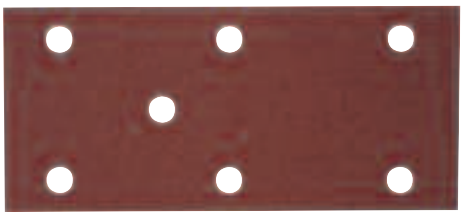
To Suit Disc	Hole Configuration	Order Code KBE-280
50mm	No Hole	-0201A
75mm	No Hole	-0202A

YORK ABRASIVES

Hook-n-Loop Backed Sanding Sheets

Aluminium oxide abrasive 'resin-bonded over resin' to Hook-n-Loop backed paper suitable for wood, plastics and ceramics etc.

Size: 165 x 75mm.
7 Hole.
Dust Extraction Type.



Grit	Order Code YRK-200
P60	-1560K
P80	-1570K
P100	-1580K
P120	-1590K
P180	-1610K

KENNEDY

Hook-n-Loop Sanding Discs

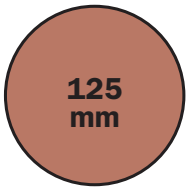
No spanners required. 100% of sanding disc can be used. Can be removed and re-applied. Unaffected by dust or moisture. Aluminium oxide abrasive 'resin-bonded over resin' to Hook-n-Loop backed paper suitable for wood, plastics, ceramics.

Plain (no holes).



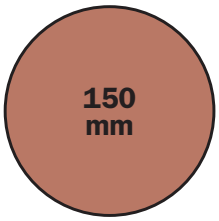
Grit	Weight per 100	Order Code KEN-203
P40	360g	-2040K
P60	340g	-2060K
P80	290g	-2070K
P120	240g	-2090K

Plain (no holes).



Grit	Weight per 100	Order Code KEN-203
P40	510g	-2240K
P60	410g	-2260K
P80	340g	-2270K
P120	260g	-2290K

Plain (no holes).



Grit	Weight per 100	Order Code KEN-203
P40	630g	-2440K
P60	570g	-2460K
P80	440g	-2470K
P120	390g	-2490K

Flexible Backing Pads for Hook-n-Loop Sanding Discs

Suitable for use with Kennedy Hook-n-Loop sanding discs.

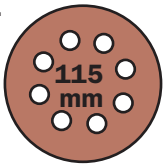
Thread size: 150mm: 5/16" x UNF male.
125mm: M14 x 2.0



To Suit Disc	Hole Configuration	Order Code KEN-280
125mm	No Hole	-3230K
150mm	No Hole	-3370K
	6 Hole	-3390K

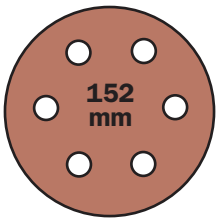


Hole Pattern: 800A. 8 Hole.
To suit PEX115, PEX9.6, Kress.



Grit	Weight per 100	Order Code KEN-203
P60	330g	-2160K
P80	260g	-2170K
P120	220g	-2190K

Pattern: 600A. 6 Hole.
To suit Flex, Kress, PEX15 PEX9.6.



Grit	Weight per 100	Order Code KEN-203
P40	690g	-2540K
P60	540g	-2560K
P80	470g	-2570K
P120	360g	-2590K

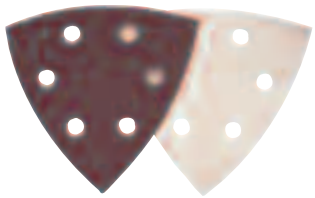
Hook-n-Loop Backed Delta Sheets

Aluminium oxide abrasive 'resin-bonded over resin' to Hook-n-Loop backed paper suitable for wood, plastics and ceramics etc.

Size: 94 x 94 x 94mm.

6 Hole Delta Dust Extraction Type.

PACK OF 50



Grit	Weight per 250	Order Code KEN-203
P40	300g	-6040K
P60	280g	-6060K
P80	230g	-6070K
P100	190g	-6080K
P400	160g	-6140K

Delta Sheet Pack

Aluminium oxide abrasive 'resin-bonded over resin' to Hook-n-Loop backed paper suitable for wood, plastics, ceramics etc.



PACK OF 10

Contents (Quantity x Grit)	Weight per 10	Order Code KEN-203
2x P40, 3x P60, 2x P80, 3x P100	36g	-6500K

ABRASIVES & POWER TOOLS

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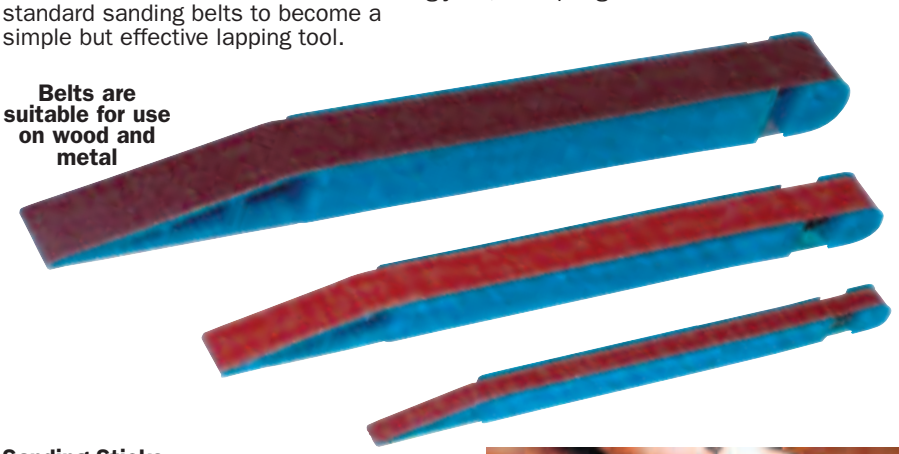
YORK ABRASIVES Sanding Sticks & Belts

The ideal tool for those awkward finishing jobs, the spring loaded holders combine with standard sanding belts to become a simple but effective lapping tool.

Belts are suitable for use on wood and metal



Sanding Sticks

To Suit Belt Size	Order Code YRK-204
6mm x 330	-9060K
12mm x 420	-9120K
20mm x 520	-9190K

Set Contents:
1 - 6mm sanding stick,
1 - 12mm sanding stick,
1 - 19mm sanding stick,
2 - 6mm x 330mm P120 sanding belts,
2 - 12mm x 420mm P120 sanding belts,
2 - 19mm x 520mm P120 sanding belts.

9 PIECES

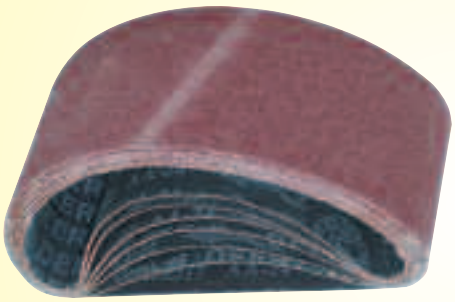
Number of Pieces	Order Code YRK-204
9	-9500K



KENNEDY Portable Sander Belts

Resin bond aluminium oxide sanding belts are designed for industrial applications. Durability combined with flexibility ensures a long life and first class performance. Suitable for wood and metal work.

Al-Ox



100mm (4") Wide x 610mm (24") Long

Grit	Weight per 10	Order Code KEN-204
P24	1,100g	-0540K
P36	870g	-0560K
P40	880g	-0580K
P50	790g	-0600K
P60	750g	-0620K
P80	700g	-0640K
P100	550g	-0660K
P120	580g	-0680K
P150	490g	-0700K
P180	520g	-0720K
P240	500g	-0760K
P320	480g	-0780K

Linisher Belts

Resin bond aluminium oxide sanding belts are designed for industrial applications. Durability combined with flexibility ensures a long life and first class performance. Suitable for wood and metal work.

Al-Ox



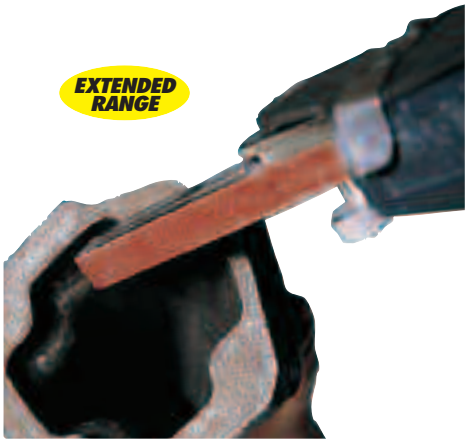
Grit	Weight per 10	Order Code KEN-204
100mm (4") Wide x 915mm (36") Long		
P24	2.15kg	-1040K
P36	1.80kg	-1060K
P40	1.55kg	-1080K
P50	1.40kg	-1100K
P60	1.30kg	-1120K
P80	1.20kg	-1140K
P100	1.00kg	-1160K
P120	0.95kg	-1180K
P150	0.90kg	-1200K
P180	0.90kg	-1220K
P220	0.85kg	-1240K
P240	0.85kg	-1260K
P320	0.80kg	-1280K

File Belts

Suitable for a wide range of power tools. Aluminium oxide designed for a wide range of materials including metal, steel, aluminium and non-ferrous metals.

Al-Ox

EXTENDED RANGE



Size (mm) W x L	Grit	Order Code YRK-204
6 x 330	P36	-4060K
	P60	-4120K
	P80	-4140K
	P100	-4160K
	P120	-4180K
	P150	-4200K
	P240	-4240K
6 x 457	P150	-3202K
6 x 610	P60	-3240K
10 x 330	P40	-3260K
	P50	-3265K
	P60	-3270K
	P80	-3275K
10 x 457	P120	-3282K
	P150	-3301K
12 x 420	P60	-4280K
	P120	-4300K
	P240	-4340K
13 x 305	P40	-3302K
	P60	-3304K
	P80	-3306K
	P120	-3308K
13 x 457	P36	-3310K
	P40	-3320K
	P60	-3330K
	P80	-3342K
	P120	-3382K
13 x 610	P36	-4360K
	P40	-4370K
	P50	-4380K
	P60	-4420K
	P80	-4440K
	P100	-4460K
	P120	-4480K
	P150	-4500K
19 x 457	P80	-3390K
20 x 457	P60	-3422K
	P80	-3442K
	P120	-3450K
20 x 480	P40	-4660K
	P50	-4670K
	P60	-4680K
20 x 520	P36	-4860K
	P40	-4870K
	P60	-4920K
	P80	-4940K
	P100	-4960K
	P120	-4980K
	P150	-5000K
	P240	-5040K
25 x 760	P36	-5100K
	P60	-5130K
	P80	-5140K
	P120	-5160K
25 x 1370	P100	-5320K
25 x 1525	P50	-5420K
50 x 287	P60	-5820K
50 x 1525	P60	-5920K
50 x 1830	P40	-6010K
	P100	-6040K
50 x 2000	P50	-6150K
75 x 2000	P100	-7180K
75 x 2500	P60	-7260K
100 x 289	P60	-7320K
	P80	-7330K
	P120	-7350K

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YORK ABRASIVES Sanding Bands

Spiral wound with tear-resistant backing fabric.
For grinding and finishing edges, profiles, welded joints etc.
For use with power tools. Aluminium Oxide for use on most metals.

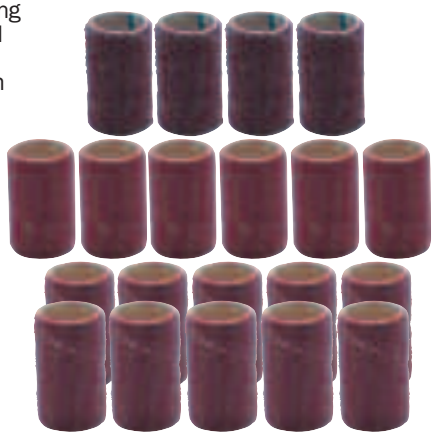


* P60 = Coarse, P80 = Medium, P150 = Fine.

Diameter x Width (mm)	Grit*	Weight per 50	Order Code YRK-205
10 x 10	P60	20g	-0520K
	P80	30g	-0550K
	P150	40g	-0580K
10 x 20	P60	50g	-0720K
	P80	50g	-0750K
	P150	40g	-0780K
13 x 10	P60	50g	-0920K
	P80	30g	-0950K
	P150	30g	-0980K
13 x 25	P60	90g	-1120K
	P80	80g	-1150K
	P150	60g	-1180K
15 x 10	P60	40g	-1320K
	P80	40g	-1350K
	P150	30g	-1380K
15 x 30	P60	120g	-1520K
	P80	100g	-1550K
	P150	80g	-1580K
19 x 25	P60	140g	-1720K
	P80	110g	-1750K
	P150	80g	-1780K
22 x 20	P60	120g	-1920K
	P80	110g	-1950K
	P150	80g	-1980K
25 x 25	P60	160g	-2120K
	P80	150g	-2150K
	P150	130g	-2180K
30 x 20	P60	160g	-2320K
	P80	130g	-2350K
	P150	120g	-2380K
30 x 30	P60	240g	-2520K
	P80	200g	-2550K
	P150	180g	-2580K
38 x 25	P60	270g	-2720K
	P80	220g	-2750K
	P150	210g	-2780K
45 x 30	P60	380g	-2920K
	P80	310g	-2950K
	P150	290g	-2980K
51 x 25	P60	330g	-3120K
	P80	300g	-3150K
	P150	320g	-3180K
60 x 30	P60	430g	-3320K
	P80	400g	-3350K
	P150	360g	-3380K
75 x 30	P60	670g	-3520K
	P80	490g	-3550K
	P150	550g	-3580K
100 x 40	P60	1100g	-3720K
	P80	400g	-3750K
	P150	700g	-3780K

Sanding Band Kits

Spiral wound with tear-resistant backing fabric. For grinding and finishing edges, profiles, welded joints etc. For use with power tools. Aluminium oxide for use on most metals.



EXTENDED RANGE

Number of Pieces	Size (mm)	Contents	Order Code YRK-205
21	15 x 30	10 x P60 6 x P80 4 x P150 1 x 6mm Shank Holder	-9360K
21	22 x 20	4 x P60 10 x P80 6 x P150 1 x 6mm Shank Holder	-9300K
21	25 x 25	10 x P60 6 x P80 4 x P150 1 x 6mm Shank Holder	-9320K
21	51 x 25	10 x P60 6 x P80 4 x P150 1 x 6mm Shank Holder	-9340K

Drum Holders

Suitable for use with chucks/collets on all portable power and air tools. For use with spiral bound abrasive sanding bands.
Self expanding when in use for a secure grip on the band.
All shanks are 6mm, except where marked * which have an 8mm shank.



Diameter x Width (mm)	Min. RPM	Max. RPM	Weight per 5	Order Code YRK-205
10 x 10	33,250	47,500	50g	-4100K
10 x 20	33,250	47,500	70g	-4130K
13 x 10	25,500	36,500	60g	-4160K
13 x 25	25,500	36,500	80g	-4190K
15 x 10	22,000	31,500	70g	-4220K
15 x 30	22,000	31,500	100g	-4250K
19 x 25	17,500	25,000	110g	-4280K
22 x 20	14,700	21,000	120g	-4310K
25 x 25	13,000	19,000	140g	-4340K
30 x 20	11,000	15,800	150g	-4370K
30 x 30	11,000	15,800	200g	-4400K
38 x 25	8,700	12,500	240g	-4430K
45 x 30	9,000	10,500	380g	-4460K
51 x 25	7,400	9,300	360g	-4490K
60 x 30	6,500	7,900	460g	-4520K
75 x 30*	4,500	6,300	1100g	-4550K
100 x 40*	3,300	5,700	2100g	-4580K

Fitting/Removal of Bands

Spindle Rotation During Use (Holder expands)



Band Rotation (Holder stationary)



Max Operating Speeds (Peripheral = 25m/sec)

Band Dia. (mm)	Max (rpm)	Band Dia. (mm)	Max (rpm)
10	47,500	30	15,800
13	36,500	38	12,500
15	31,500	45	10,500
19	25,000	51	9,300
22	21,500	60	7,900
25	19,000	75	6,300
		100	4,700

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YORK ABRASIVES Cartridge Rolls

Spirally wound aluminium oxide cloth rolls that wear in use constantly exposing new abrasive. Used for weld flash removal, deburring, blending and polishing applications. Available in two types.
A steel mandrel must be used top secure the abrasive to the tool.

Maximum Running Speeds:
Up to 12mm dia. 22,000rpm.
Up to 19mm dia. 18,000rpm.
Up to 25mm dia. 10,000rpm.



Straight Type





Diameter x Length (mm)	Type	Grit	Weight per 100	Order Code YRK-205
3 x 19	CR1	P80 P120	100g	**-7010K** **-7020K**
6 x 19	CR3	P80	150g	**-7050K**
6 x 25	CR4	P80 P120	200g	**-7070K** **-7080K**
6 x 38	CR4	P80 P120	200g	**-7250K** **-7260K**
9.5 x 25	CR5	P80	265g	**-7090K**
9.5 x 38	CR6	P80 P120	400g	**-7110K** **-7120K**
12 x 38	CR8	P60 P80 P120	670g	**-7150K** **-7155K** **-7160K**
19 x 38	CR10	P60 P120	1500g	**-7190K** **-7200K**

Taper Type
Tapered for angles, corners and irregular or concave surfaces.





Diameter x Length (mm)	Type	Grit	Weight per 100	Order Code YRK-205
9.5 x 25	CRT1	P60 P120	235g	**-7310K** **-7320K**
9.5 x 38		P80	256g	**-7315K**
12 x 25	CRT2	P60	270g	**-7330K**
12 x 38	CRT3	P60 P80 P120	460g	**-7350K** **-7355K** **-7360K**

Mandrels

For use with Cartridge Rolls. This steel adaptor is used to secure and hold both tapered and parallel sided cartridge rolls to air grinders or electric drills. This holder is used by sliding the cartridge roll onto the mandrel pilot until the bottom of the abrasive touches the threaded steel area. Simply screw the cartridge roll onto the threads to secure. Your mandrel should be at least 13mm longer than your cartridge roll.



Shank Diameter	Type	To suit Rolls	Weight per 5	Order Code YRK-205
3mm	CRM1	CR1	35g	**-7510K**
3mm	CRM2	CR2	35g	**-7520K**
6mm	CRM3	CR3	55g	**-7530K**
6mm	CRM4	CR4 CR5 CR7 CRT1 CRT2 CRT4	55g	**-7540K**
6mm	CRM5	CR6 CR8 CRT3 CRT5 CRT6	55g	**-7550K**
6mm	CRM6	CR9	75g	**-7560K**
6mm	CRM7	CR10 CR11	80g	**-7570K**

Cartridge Roll Kit

Spirally wound aluminium oxide cloth roll that wears in use, constantly exposing new abrasive. Used for weld flash removal, deburring, blending and polishing applications.

Contents:
Straight type rolls: 6 - 10 x 38mm P80 and P120,
4 - 13 x 38mm P80 and P120, 12 - 6 x 38mm P80 and P120,
16 - 6 x 25mm P80 and P125, 6 - 10 x 25mm P80 and P120.

Taper type rolls: 6 - 10 x 38mm P80. 6 - 13 x 38mm P80.
Mandrels:
1 - 3 x 25 x 6mm.
1 - 3 x 19 x 6mm.

122 PIECES



Description	Order Code YRK-205
122 Piece Cartridge Roll Kit	**-9800K**

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YORK ABRASIVES **Surface Preparation**

Quick Change Screw Fitting Discs

For general use including blending welds and removing machining marks. Also suitable for use on mild contours as well as flat surfaces. Quick change screw fitting ensures that the disc is always perfectly centred without adhesive, moving parts or centre screw damage to the workpiece. Higher speeds can be attained resulting in faster stock removal reduced man-hours and increased productivity.
Available in two abrasive types, aluminium oxide for general-purpose use and zirconia alumina for grinding and finishing of stainless steel.
Available in 25mm, 38mm, 50mm, 75mm and 100mm diameters for the abrasive discs. Also available in a surface preparation material that is designed for smoothing surfaces prior to painting, removing rust, oxides, imperfections and blending out grit disc marks to produce fine finishes on metal. All discs are compatible with 3M ROLOC™ system holders.

Disc Dia.	Grit	Weight per 100	Order Code YRK-205	00
25mm	P36	220g	-5010K	
	P40	220g	-5020K	
	P50	220g	-5030K	
	P60	220g	-5040K	
	P80	220g	-5050K	
	P100	220g	-5060K	
	P120	220g	-5070K	
	P180	220g	-5080K	
38mm	P36	320g	-5110K	
	P40	320g	-5120K	
	P50	320g	-5130K	
	P60	320g	-5140K	
	P80	320g	-5150K	
	P100	320g	-5160K	
	P180	320g	-5180K	
50mm	P36	620g	-5210K	
	P40	620g	-5220K	
	P50	620g	-5230K	
	P60	620g	-5240K	
	P80	620g	-5250K	
	P100	620g	-5260K	
	P120	620g	-5270K	
	P180	620g	-5280K	
75mm	P36	1330g	-5310K	
	P40	1330g	-5320K	
	P50	1330g	-5330K	
	P60	1330g	-5340K	
	P80	1330g	-5350K	
	P100	1330g	-5360K	
	P120	1330g	-5370K	
	P180	1330g	-5380K	

Surface Preparation Discs

Designed for cleaning and finishing on all metals. Leaves a burr-free surface ready for painting or coating. Can also be used for the removal of light rust, oxides and coatings.



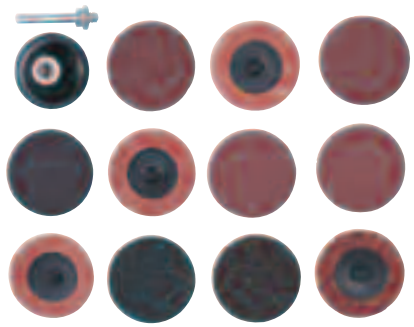
Disc Dia.	Grit	Weight per 100	Order Code YRK-205	00
50mm	Fine	630g	-6210K	
	Med	630g	-6220K	
	Coarse	630g	-6230K	
75mm	Fine	1330g	-6310K	
	Med	1330g	-6320K	
	Coarse	1330g	-6330K	





Quick Change Screw Fitting Disc Kits

Multi-purpose kit containing: one of each surface preparation disc fine, medium and coarse. Two of each abrasive disc grades P36, P60, P80 and P120.
One 6mm diameter shank to fit the backing pad.



13 PIECES



Size	Weight each	Order Code YRK-205
50mm	250g	-9550K
75mm	410g	-9600K

Surface Conditioning Kit

Aluminium oxide abrasive discs with quick change screw fitting. For cleaning and finishing on all metals leaving a burr-free surface ready for painting or coating. Can also be used for the removal of light rust, oxides and coatings. Suitable for use with power tools.

Size: 50mm diameter discs.

Contents:
2 discs x P36, P40, P50, P60, P80, P100, P120 and P180 grade.
Plus 6mm shank screw fitting disc holder.



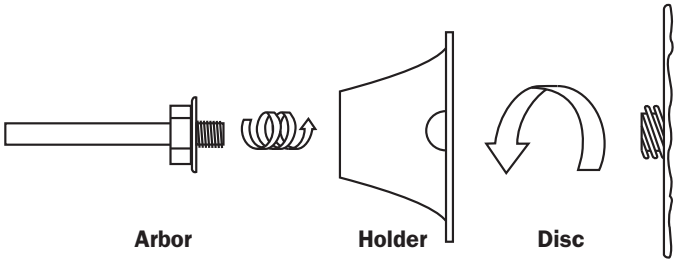
17 PIECES

Size	Order Code YRK-205
50mm	-9500K

Screw Fitting Disc Holders

Rubber holders to suit screw fitting discs.
Supplied complete with 6mm diameter shank.

To Suit Disc Size	Weight Per 25	Order Code YRK-205
25mm	0.80kg	-6810K
38mm	0.95kg	-6820K
50mm	1.00kg	-6830K
75mm	2.00kg	-6840K



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Carbide Burrs

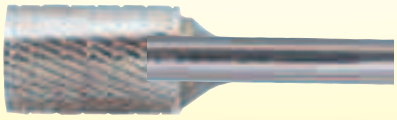
Cut 3 - Rapid Cut
For use on softer non-ferrous and plastic materials, i.e. aluminium, fibreglass, plastics, hard rubber and zinc alloy.

Cut 6 - Double Cut
Crosscut and double cut to improve control and chipbreaks. Manufactured from high grade tungsten carbide for general-purpose use.

Cut 9 - Chipbreaker
Chipbreaker fast stock removal for improved control and reduced chips for use on hard materials, i.e. steel alloy 50RC, 60RC, carbon and cast iron.







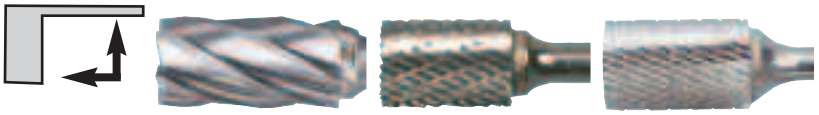
Suitable for deburring and polishing of cast iron, cast steel, carbon steel, alloy steel and stainless steel etc. up to HRC65 hardness.

Please note:
- Workpiece and tools should always be steady and well supported.
- Carbide burrs are not suitable for 'milling' large amounts of material, they are for light stock removal at high rpm's **'LOW FEED - HIGH SPEED'.**
- Always ensure that at least 70% of the shank length is clamped by the collet or chuck of the tool being used.
- Always ensure that the tool is rated to the recommended operating speed of the burr.

List Diameter	Recommended Operating Speeds (rpm)	Surface Speed
3	64,000 - 75,000	600 - 700 m/min
6	32,000 - 38,000	
8	24,000 - 28,000	
10	19,000 - 22,000	
12	16,000 -18,750	
16	12,000 - 14,000	

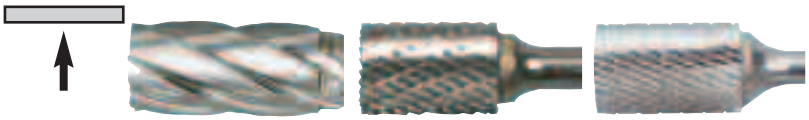
YORK ABRASIVES Carbide Burrs

Cylindrical-End Cutting
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



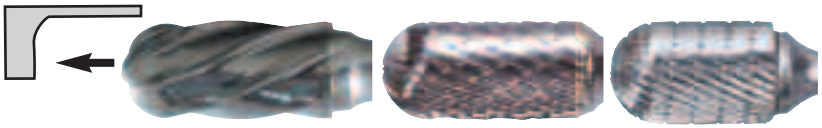
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 12*	-	-	-0129K
3 x 14*	-	-0086K	-0089K
6 x 15*	-	-0126K	-
6 x 16	-	-0166K	-0169K
6 x 19	-0143K	-	-
8 x 19	-	-0206K	-0209K
10 x 19	-	-0246K	-0249K
13 x 25	-	-0286K	-0289K
16 x 25	-0383K	-0406K	-0409K

Cylindrical Plain End
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 14*	-	-0586K	-0589K
4 x 13*	-	-	-0629K
6 x 13*	-	-0626K	-
6 x 16	-	-0666K	-0669K
6 x 19	-0643K	-	-
8 x 19	-	-0706K	-0709K
10 x 19	-0723K	-0746K	-0749K
13 x 25	-	-0786K	-0789K
16 x 25	-	-0906K	-0909K

Cylindrical Ball Nosed
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 14*	-	-1086K	-1089K
6 x 13*	-	-1126K	-1129K
6 x 16	-	-1166K	-1169K
8 x 19	-	-1206K	-1209K
10 x 19	-	-1246K	-1249K
11 x 25	-	-	-1329K
13 x 25	-	-1326K	-
16 x 25	-	-1406K	-1409K

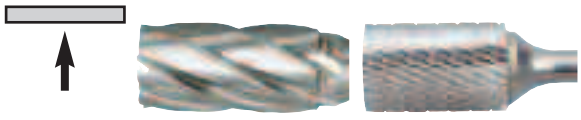
KENNEDY Carbide Burrs

Cylindrical-End Cutting
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 14*	-	-0080K
6 x 12*	-	-0120K
6 x 18	-0140K	-0160K
8 x 20	-	-0200K
10 x 20	-0220K	-0240K
12 x 20	-	-0280K
12 x 25	-0340K	-0360K
16 x 25	-	-0400K

Cylindrical Plain End
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 14*	-	-0580K
6 x 12*	-	-0620K
6 x 18	-	-0660K
8 x 20	-	-0700K
10 x 20	-0720K	-0740K
12 x 20	-	-0780K
12 x 25	-0840K	-
16 x 25	-	-0900K
19 x 25	-0980K	-

Cylindrical Ball Nosed
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 12*	-	-1080K
6 x 12*	-	-1120K
6 x 18	-1140K	-1160K
8 x 20	-	-1200K
10 x 20	-1220K	-1240K
12 x 25	-1300K	-1320K
16 x 25	-	-1400K

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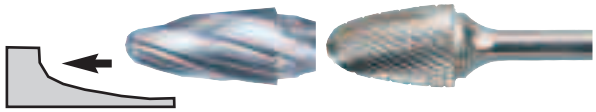
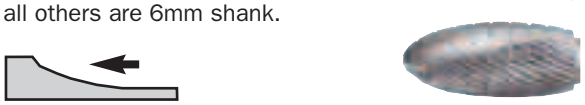
KENNEDY Carbide Burrs

Round Tree
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



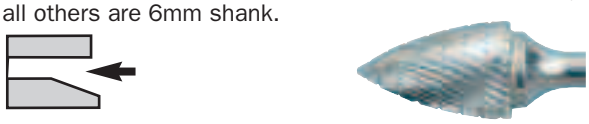
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 12	-	-3080K
6 x 18	-	-3160K
10 x 20	-3220K	-3240K
12 x 25	-3300K	-3320K
16 x 25	-3380K	-3400K

Flame Shape
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 6*	-	-2120K
8 x 20	-	-2160K
12 x 32	-	-2320K
16 x 35	-	-2400K

Pointed Tree
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 12*	-	-4120K
6 x 12*	-	-4160K
10 x 20	-	-4240K
12 x 20	-	-4280K
12 x 25	-	-4320K
16 x 25	-	-4400K

Ball Shape
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 3*	-	-6080K
4 x 4*	-	-6120K
6 x 6*	-	-6160K
8 x 8	-	-6200K
10 x 10	-6220K	-6240K
12 x 12	-	-6320K
16 x 15	-	-6360K

Oval Shape
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 6*	-	-5120K
6 x 10*	-	-5160K
9.5 x 15	-	-5200K
12 x 20	-	-5240K
16 x 25	-5300K	-5320K
19 x 25	-5360K	-

YORK ABRASIVES Carbide Burrs

Round Tree
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



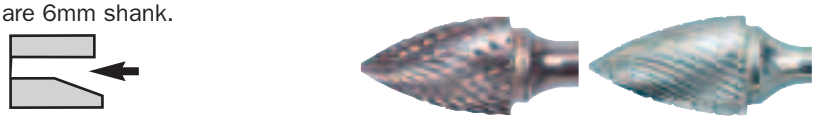
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 13*	-	-3086K	-3089K
6 x 16	-	-3166K	-3169K
10 x 19	-	-3246K	-3249K
13 x 25	-	-3326K	-3329K
16 x 25	-	-	-3409K

Flame Shape
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 6*	-	-2126K	-2129K
8 x 19	-	-2166K	-2169K
13 x 32	-	-2326K	-2329K
16 x 36	-	-	-2409K

Pointed Tree
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



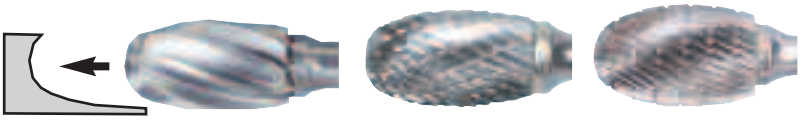
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 13*	-	-4126K	-4129K
6 x 13*	-	-4166K	-4169K
10 x 19	-	-4246K	-4249K
13 x 19	-	-	-4289K
13 x 25	-	-4326K	-4329K
16 x 25	-	-4406K	-4409K

Ball Shape
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 3*	-	-6086K	-6089K
5 x 4*	-	-6126K	-6129K
6 x 5	-	-6166K	-6169K
8 x 6	-	-6206K	-6209K
11 x 10	-	-6246K	-6249K
13 x 11	-	-6326K	-6329K
16 x 14	-	-	-6369K

Oval
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 6*	-	-5126K	-
6 x 10*	-	-5166K	-5169K
10 x 16	-	-5206K	-5209K
13 x 22	-	-5246K	-5249K
16 x 25	-	-	-5329K

ABRASIVES & POWER TOOLS

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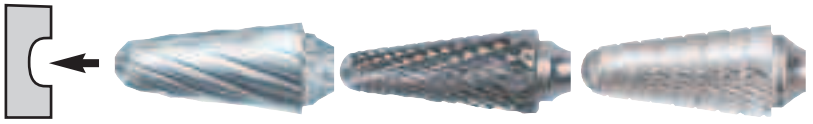
YORK ABRASIVES Carbide Burrs

Conical
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



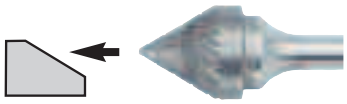
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 11*	-	-7126K	-7129K
6 x 13*	-	-7166K	-7169K
6 x 19	-	-7206K	-7209K
10 x 16	-	-7246K	-7249K
13 x 22	-	-7326K	-7329K
16 x 25	-	-7406K	-

Conical 14°
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

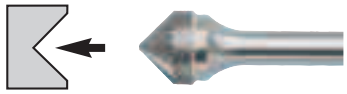


Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code YRK-210	Cut 6 - Double Cut Order Code YRK-210	Cut 9 - Chipbreaker Order Code YRK-210
3 x 13*	-	-8126K	-
5 x 13*	-	-	-8129K
6 x 12*	-	-8166K	-
6 x 16*	-	-	-8168K
6 x 16	-	-	-8169K
8 x 22	-	-8206K	-8209K
10 x 27	-	-8246K	-8249K
13 x 28	-	-8326K	-8329K
16 x 30	-	-8406K	-8409K

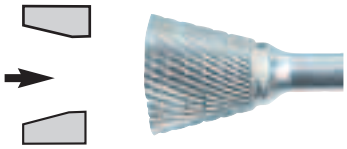
Conical 60° Inc. Angle



Conical 90° Inc. Angle



Inverted Cone.



Head Size Ø x L (mm)	Cut 9 - Chipbreaker Order Code YRK-210
Conical 60° Inc. Angle	
10 x 8	-8649K
16 x 14	-8669K
Conical 90° Inc. Angle	
6 x 3	-8919K
10 x 5	-8939K
12.7 x 6.3	-8959K
Inverted Cone	
12.7 x 12.7	-9329K
19 x 16	-9489K

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

Carbide Burr Sets

Sets of various style burrs packaged in a handy pocket 'glasses case' style plastic holder. Ideal for the shop floor workman with various deburring tasks.

Operating speeds: 6,000 - 40,000rpm.

Cut 6 - 6mm Shank Contents 1x each:
10 x 19mm cylindrical end cutting, cylindrical plain end, cylindrical ball end, round tree, pointed tree,
6 x 5mm spherical,
6 x 19mm conical,
10 x 27 conical 14°.

Cut 6 - 3mm Shank Contents 1x each:
3 x 14mm cylindrical end cutting,
3 x 14mm cylindrical plain end,
3 x 14mm cylindrical ball end,
6 x 13mm pointed tree,
6 x 10mm oval,
3 x 3mm spherical,
3 x 11mm conical,
6 x 19mm conical 14°.

8 PIECES



Number of Pieces	Shank Size	Order Code YRK-210
8	3mm	-9896K
8	6mm	-9886K

KENNEDY Carbide Burrs

Conical
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 11*	-	-7120K
6 x 12*	-	-7160K
6 x 20	-	-7200K
10 x 20	-	-7240K
12 x 25	-	-7320K
16 x 25	-	-7400K

Conical 14°
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



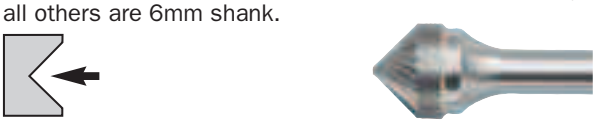
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 11*	-	-8120K
6 x 12*	-	-8160K
8 x 22	-	-8200K
10 x 26	-8220K	-8240K
12 x 28	-8300K	-8320K
16 x 33	-	-8400K

Conical 60° Inc. Angle
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



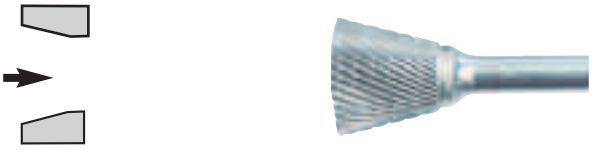
Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
6 x 4	-	-8620K
10 x 8	-	-8640K
16 x 14	-	-8660K

Conical 90° Inc. Angle
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
3 x 3	-	-8870K
6 x 3	-	-8910K
10 x 4	-	-8930K
12 x 6	-	-8950K

Inverted Cone
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



Head Size Ø x L (mm)	Cut 3 - Rapid Cut Order Code KEN-210	Cut 9 - Chipbreaker Order Code KEN-210
6 x 8	-	-9160K
13 x 12	-	-9320K
19 x 16	-	-9480K

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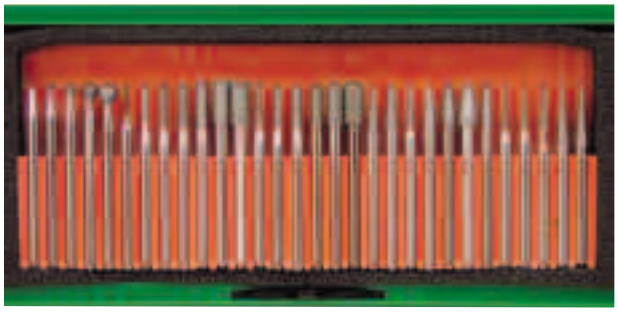
YORK ABRASIVES Diamond Coated Burr Set

DIAMOND

Set of various style burrs packaged in a handy pocket 'glasses case' style plastic holder. Ideal for the shop floor worker with various deburring tasks. Assorted sizes of ball shape, cylindrical, ball nose cylindrical, tree shape and conical. Up to 4.5mm diameter. 3m shank.

Overall length: 45mm.

30 PIECES



Number of Pieces	Order Code YRK-210
30	-9900K

Diamond Coated Burrs

3mm shank. Overall length 45mm. Diamond grip mesh is 120/140. Recommended operating speeds 15,000 - 30,000rpm.
Suitable for precision grinding of carbide gems, ceramics, tough alloys, cermets, tool steels etc.

Cylindrical

DIAMOND



Head Dia. x Length (mm)	Order Code YRK-210
1.0 x 9	-9010K
1.5 x 9	-9015K
2.0 x 10	-9020K
2.5 x 10	-9025K
3.0 x 10	-9030K
4.0 x 10	-9040K
5.0 x 10	-9050K

Cylindrical Ball Nosed

DIAMOND



Head Dia. x Length (mm)	Order Code YRK-210
1.5 x 9	-9115K
2.0 x 10	-9120K
2.5 x 10	-9125K
3.0 x 10	-9130K
4.0 x 10	-9140K
5.0 x 10	-9150K

Ball Nosed

DIAMOND



Head Dia. x Length (mm)	Order Code YRK-210
1.0 x 1.0	-9310K
2.0 x 2.0	-9320K
3.0 x 3.0	-9330K
4.0 x 4.0	-9340K
5.0 x 5.0	-9350K

Round Tree

DIAMOND



Head Dia. x Length (mm)	Order Code YRK-210
2.0 x 10	-9510K
3.0 x 10	-9570K
3.3 x 10	-9610K
3.3 x 10	-9620K

Pointed Tree

DIAMOND



Head Dia. x Length (mm)	Order Code YRK-210
2.0 x 9	-9220K
3.0 x 9	-9230K
4.0 x 10	-9240K
5.0 x 10	-9250K

Conical

DIAMOND



Included Angle	Head Dia. x Length	Order Code YRK-210
7°	2 x 12	-9770K
10°	3 x 15	-9800K

YORK ABRASIVES 'Speedway' Burr Sets

Unique flute design: fine pitch and coarse pitch flutes for rapid material removal, while maintaining a smooth surface finish.

Contains 1x each:
10 x 19mm cylindrical end cutting, cylindrical plain end, cylindrical ball end, round tree, pointed tree, 6 x 5mm spherical, 6 x 19mm conical,
10 x 27 conical 14°.

8 PIECES

UNIQUE 'DUAL CUT' DESIGN



Number of Pieces	Shank Size	Order Code YRK-210
8	3mm	-9940K
8	6mm	-9920K

KENNEDY Carbide Burr Set

Cut 9
Chipbreaker fast stock removal for improved control and reduced chips for use on hard materials, i.e. steel alloy 50RC, 60RC, carbon and cast iron.

Operating speeds:
6,000 - 40,000rpm.
6mm shank.

Contents 1 each:
10 x 20 & 12 x 25mm Ball nose.
12 x 25mm Plain cylindrical.
12 x 25 & 10 x 20mm Round tree.
12 x 12mm Ball.
9.5 x 15mm Oval.
10 x 20mm Pointed tree.



8 PIECES

Number of Pieces	Order Code KEN-210
8	-9880K

SENATOR QUALITY TOOLING Diamond Coated Burr Set

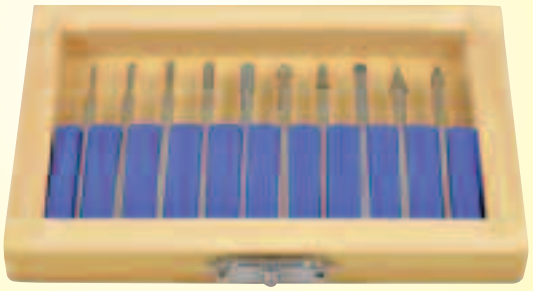
10 piece assortment of burrs, all diamond coated, in a fitted wooden box.

DIAMOND

Contents (with 3mm shank) 1x each:
cylindrical 2 x 8mm, 3 x 10mm and 5 x 10mm, cylindrical ball nosed 5 x 10mm, pointed tree 2 x 10mm and 3 x 10mm, ball 2mm, 3mm and 5mm, 10° conical 0.5/3mm x 15mm.

NEW

10 PIECES



Number of Pieces	Order Code SEN-210
10	-8980K

Diamond Coated Burr Set

Set of various style burrs packaged in a fitted plastic case. Assorted sizes of ball shape, cylindrical, ball nose cylindrical, tree shape and conical. Up to 4.5mm diameter.3mm shank.

Overall length: 45mm.

DIAMOND

30 PIECES



Number of Pieces	Order Code SEN-210
30	-9000K

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YORK ABRASIVES Flap Wheels

Shaft mounted flap wheels can be used in portable air or electric power tools, including tyre buffers, flexible shafts and hand drills. Manufactured from highest quality industrial cloth. Used for a wide range of applications such as removal of rust, cleaning up welds and sanding wood prior to painting. Boxed in 10s except for 60 x 50 and 80 x 50 which are packed in 6's. Recessed hub design for maximum access in tight corners.

Applications
Final finishing of metal surfaces.
Mis-match removal and deburring on machined components. Blending and finishing tool, tubes, dies, moulds, channels.
Edge blending and cleaning.
Surface preparation prior to painting and plating. Can be used on wood, plastic and fibreglass.



3mm Shank

Grit	Weight per 10	Order Code YRK-220	
30mm Dia x 10mm Height			20,400 MOS (rpm)
P60	120g	**-1010K**	
P80	120g	**-1020K**	
P120	120g	**-1030K**	
P150	120g	**-1040K**	
P180	130g	**-1050K**	
P240	120g	**-1080K**	
P320	110g	**-1100K**	
30mm Dia x 15mm Height			20,400 MOS (rpm)
P60	160g	**-1510K**	
P80	150g	**-1520K**	
P120	140g	**-1530K**	
P180	140g	**-1550K**	

6mm Shank

Grit	Weight per 10	Order Code YRK-220	
30mm Dia x 10mm Height			20,400 MOS (rpm)
P40	163g	**-1570K**	
P60	163g	**-1572K**	
P80	155g	**-1574K**	
P120	155g	**-1576K**	
30mm Dia x 15mm Height			20,400 MOS (rpm)
P40	200g	**-1600K**	
P60	210g	**-1610K**	
P80	200g	**-1620K**	
P120	200g	**-1630K**	
P150	210g	**-1640K**	
40mm Dia x 10mm Height			15,300 MOS (rpm)
P80	244g	**-1920K**	
40mm Dia x 15mm Height			15,300 MOS (rpm)
P40	330g	**-2000K**	
P60	340g	**-2010K**	
P80	330g	**-2020K**	
P120	330g	**-2030K**	
40mm Dia x 20mm Height			15,300 MOS (rpm)
P40	400g	**-2200K**	
P60	400g	**-2210K**	
P80	390g	**-2220K**	
P120	400g	**-2230K**	
P180	380g	**-2250K**	
40mm Dia x 25mm Height			15,300 MOS (rpm)
P40	490g	**-2400K**	
P60	480g	**-2410K**	
P80	460g	**-2420K**	
P120	450g	**-2430K**	
P180	550g	**-2450K**	

6mm Shank continued

Grit	Weight per 10	Order Code YRK-220	
40mm Dia x 30mm Height			15,300 MOS (rpm)
P40	490g	**-2600K**	
P60	530g	**-2610K**	
P80	490g	**-2620K**	
50mm Dia x 10mm Height			12,300 MOS (rpm)
P40	350g	**-2800K**	
P60	320g	**-2810K**	
P80	370g	**-2820K**	
P120	360g	**-2830K**	
50mm Dia x 15mm Height			12,300 MOS (rpm)
P40	460g	**-3000K**	
P60	440g	**-3010K**	
P80	430g	**-3020K**	
P120	450g	**-3030K**	
50mm Dia x 20mm Height			12,300 MOS (rpm)
P40	580g	**-3500K**	
P60	550g	**-3510K**	
P80	580g	**-3520K**	
P120	550g	**-3530K**	
50mm Dia x 25mm Height			12,300 MOS (rpm)
P40	630g	**-3800K**	
P60	660g	**-3810K**	
P80	650g	**-3820K**	
P120	650g	**-3830K**	
P150	640g	**-3850K**	
50mm Dia x 30mm Height			12,300 MOS (rpm)
P40	740g	**-3900K**	
P60	730g	**-3910K**	
P80	730g	**-3920K**	
P120	720g	**-3930K**	
P180	720g	**-3940K**	
50mm Dia x 40mm Height			12,300 MOS (rpm)
P40	990g	**-3950K**	
P60	980g	**-3960K**	
P80	920g	**-3970K**	
P120	910g	**-3980K**	
P180	920g	**-3990K**	
60mm Dia x 20mm Height			10,200 MOS (rpm)
P40	700g	**-4000K**	
P60	730g	**-4010K**	
P80	730g	**-4020K**	
P120	710g	**-4030K**	
60mm Dia x 30mm Height			10,200 MOS (rpm)
P40	950g	**-4500K**	
P60	880g	**-4510K**	
P80	880g	**-4520K**	
P120	890g	**-4530K**	
P150	880g	**-4540K**	
P180	880g	**-4550K**	
P240	920g	**-4580K**	
60mm Dia x 40mm Height			10,200 MOS (rpm)
P40	1100g	**-5000K**	
P60	1100g	**-5010K**	
P80	1070g	**-5020K**	
P120	1070g	**-5030K**	
P150	1020g	**-5040K**	
P180	1060g	**-5050K**	
P240	1050g	**-5080K**	
60mm Dia x 50mm Height			10,200 MOS (rpm)
P40	1533g	**-5100K**	
P60	1383g	**-5110K**	
P80	1370g	**-5120K**	
P120	1420g	**-5130K**	
P180	1330g	**-5140K**	
80mm Dia x 20mm Height			7,700 MOS (rpm)
P40	1100g	**-5200K**	
P60	1100g	**-5210K**	
P80	1100g	**-5220K**	
80mm Dia x 30mm Height			7,700 MOS (rpm)
P40	1500g	**-5500K**	
P60	1400g	**-5510K**	
P80	1400g	**-5520K**	
P120	1400g	**-5530K**	
P320	1500g	**-5600K**	
80mm Dia x 40mm Height			7,700 MOS (rpm)
P40	1900g	**-6000K**	
P60	1800g	**-6010K**	
P80	1800g	**-6020K**	
P120	1800g	**-6030K**	
80mm Dia x 50mm Height			7,700 MOS (rpm)
P40	2500g	**-6500K**	
P60	2330g	**-6510K**	
P80	2330g	**-6520K**	
P120	2300g	**-6530K**	

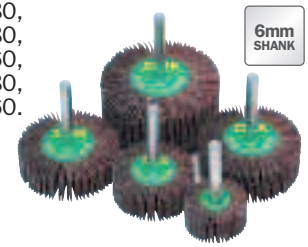
Flap Wheel Sets

Shaft mounted flap wheels can be used in portable air or electric power tools, including tyre buffers, flexible shafts and hand drills. Manufactured from highest quality industrial cloth. Used for a wide range of applications such as removal of rust, cleaning up welds and sanding wood prior to painting. Recessed hub design for access in tight corners.

5 PIECES

5 Piece Set Contents:
30 x 15mm: P80,
40 x 15mm: P80,
50 x 15mm: P60,
50 x 20mm: P80,
60 x 30mm: P60.

6mm SHANK



Number of Pieces	Shank Size	Weight Per Set	Order Code YRK-220
5	6mm	215g	**-6950K**

8 Piece Set Contents:
30 x 15mm: P60,
30 x 15mm: P120,
40 x 15mm: P60,
40 x 15mm: P120,
50 x 20mm: P80,
50 x 25mm: P60,
60 x 30mm: P40,
60 x 30mm: P80.

8 PIECES

6mm SHANK

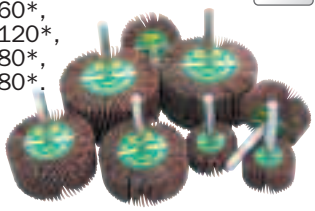


Number of Pieces	Shank Size	Weight Per Set	Order Code YRK-220
8	6mm	355g	**-6980K**

8 Piece 'Mini' Set Contents: (*6mm Shank)
10 x 10mm: P60,
10 x 10mm: P120,
15 x 15mm: P80,
15 x 15mm: P120,
20 x 10mm: P60*,
20 x 10mm: P120*,
25 x 15mm: P80*,
25 x 25mm: P80*.

8 PIECES

3/6mm SHANKS



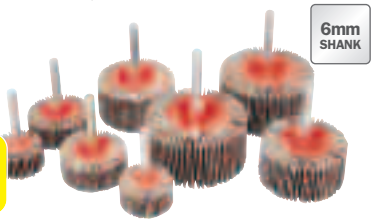
Number of Pieces	Shank Size	Weight Per Set	Order Code YRK-220
8	3mm	200g	**-7000K**

SENATOR QUALITY TOOLING Flap Wheel Set

Contents:
30 x 15mm: P60,
30 x 15mm: P120,
40 x 15mm: P60,
40 x 15mm: P120,
50 x 25mm: P60,
50 x 25mm: P120,
60 x 30mm: P40,
60 x 30mm: P80.

6mm SHANK

8 PIECES



Number of Pieces	Shank Size	Weight Per Set	Order Code SEN-220
8	6mm	370g	**-6980K**

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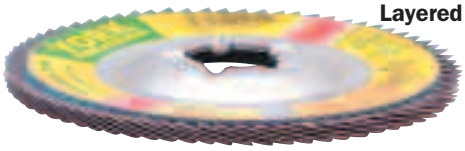
YORK ABRASIVES Flap Discs

High performance alternative to sanding discs. Have the advantage over depressed centre grinding discs on light gauge sheet metal where surface finish is important. Overlapped abrasive strips slowly wear away revealing fresh abrasive, ensuring the disc always cuts effectively, reducing clogging and providing constant finish throughout disc life.
No backing pads needed. Safe to use at 80m/s on any grinder. Tested at 150m/s and approved by the German Grinding Wheel Authority (DSA). Available in two grades and with two types of backing.

Precision Layered





115mm Rust & Paint Removal Disc

Made of intertwined nylon fibres which are then immersed in synthetic resin and gently hardened. Ideal for removing old paint, rust and welding splatter without scratching the surface of the workpiece, cleaning and smoothing wood and plastic, polishing of stainless steel and removal of thermal bluing. **DIN EN 13743**.

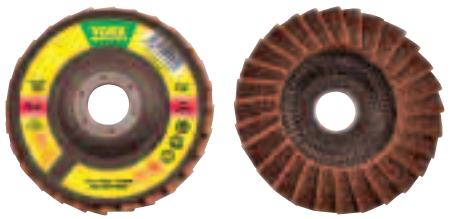


Size x Bore (mm)	Maximum rpm	Order Code YRK-245
115 x 22	10,500	**-3800K**

Non-woven Polishing Flap Discs

High performance non-woven flap discs make an ideal choice for polishing and finishing stainless steel, carbon steel, non-ferrous metals etc. Available in two sizes and choice of coarse, medium and fine. Maximum rpm 13,280 and maximum speed 80m/s.

NEW



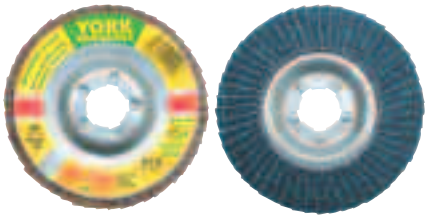
Size (mm)	Grade	Order Code YRK-220
115 x 22	Coarse	**-9800K**
115 x 22	Medium	**-9810K**
115 x 22	Fine	**-9820K**
125 x 22	Coarse	**-9830K**
125 x 22	Medium	**-9840K**
125 x 22	Fine	**-9850K**

Aluminium Oxide Grade Aluminium-Backed
(General-purpose).



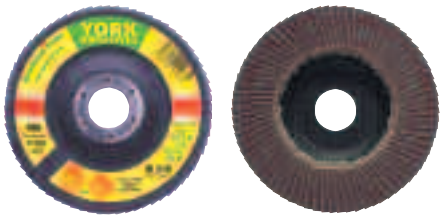
Grit	Weight per 10	Order Code YRK-220
100mm Dia x 16mm Bore 15,300 MOS (rpm)		
P36	0.90kg	**-9010K**
P40	0.85kg	**-9020K**
P60	0.75kg	**-9030K**
P80	0.70kg	**-9040K**
P120	0.65kg	**-9050K**
115mm Dia x 22mm Bore 13,300 MOS (rpm)		
P36	1.10kg	**-9110K**
P40	1.20kg	**-9120K**
P60	1.20kg	**-9130K**
P80	1.05kg	**-9140K**
P120	0.90kg	**-9150K**
127mm Dia x 22mm Bore 12,000 MOS (rpm)		
P36	1.40kg	**-9210K**
P40	1.60kg	**-9220K**
P60	1.40kg	**-9230K**
P80	1.40kg	**-9240K**
P120	1.40kg	**-9250K**
180mm Dia x 22mm Bore 8,600 MOS (rpm)		
P40	3.20kg	**-9320K**

Zirconium Grade Aluminium-Backed
(For stainless steel).



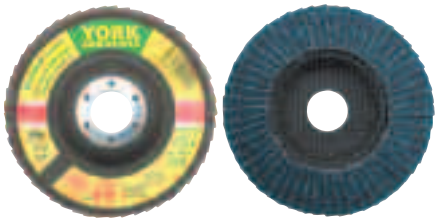
Grit	Weight per 10	Order Code YRK-220
100mm Dia x 16mm Bore 15,300 MOS (rpm)		
P36	0.85kg	**-8010K**
P40	0.80kg	**-8020K**
P60	0.80kg	**-8030K**
P80	0.70kg	**-8040K**
P120	0.70kg	**-8050K**
115mm Dia x 22mm Bore 13,300 MOS (rpm)		
P36	1.20kg	**-8110K**
P40	1.25kg	**-8120K**
P60	1.20kg	**-8130K**
P80	1.00kg	**-8140K**
P120	8.00kg	**-8150K**
127mm Dia x 22mm Bore 12,000 MOS (rpm)		
P40	1.55kg	**-8220K**
P60	1.50kg	**-8230K**
P80	1.10kg	**-8240K**
P120	1.30kg	**-8250K**

Aluminium Oxide Grade Glass Fibre-Backed
(General-purpose, non-scratch).



Grit	Weight per 10	Order Code YRK-220
100mm Dia x 16mm Bore 15,300 MOS (rpm)		
P36	0.70kg	**-9410K**
P40	0.70kg	**-9420K**
P60	0.65kg	**-9430K**
P80	0.60kg	**-9440K**
P120	0.55kg	**-9450K**
115mm Dia x 22mm Bore 13,300 MOS (rpm)		
P36	0.95kg	**-9510K**
P40	0.90kg	**-9520K**
P60	0.85kg	**-9530K**
P80	0.75kg	**-9540K**
P120	0.75kg	**-9550K**
127mm Dia x 22mm Bore 12,000 MOS (rpm)		
P36	1.30kg	**-9610K**
P40	1.20kg	**-9620K**
P60	1.10kg	**-9630K**
P80	1.00kg	**-9640K**
P120	0.90kg	**-9650K**
180mm Dia x 22mm Bore 8,600 MOS (rpm)		
P36	2.40kg	**-9710K**
P40	2.30kg	**-9720K**

Zirconium Grade Glass Fibre-Backed
(For stainless steel, non-scratch).



Grit	Weight per 10	Order Code YRK-220
100mm Dia x 16mm Bore 15,300 MOS (rpm)		
P36	0.70kg	**-8410K**
P40	0.70kg	**-8420K**
P60	0.70kg	**-8430K**
P80	0.60kg	**-8440K**
P120	0.55kg	**-8450K**
115mm Dia x 22mm Bore 13,300 MOS (rpm)		
P36	0.85kg	**-8510K**
P40	0.80kg	**-8520K**
P60	0.90kg	**-8530K**
P80	0.80kg	**-8540K**
P120	0.75kg	**-8550K**
127mm Dia x 22mm Bore 12,000 MOS (rpm)		
P36	1.20kg	**-8610K**
P40	1.15kg	**-8620K**
P60	1.15kg	**-8630K**
P120	1.00kg	**-8650K**
180mm Dia x 22mm Bore 8,600 MOS (rpm)		
P36	2.60kg	**-8710K**
P40	2.30kg	**-8720K**
P60	2.20kg	**-8730K**
P80	2.00kg	**-8740K**

Polishing & Finishing Kits

Multi-pack
High performance five piece surface finishing and polishing kits.

Kit Contents:
2x 110g polishing bars
1x Flap disc (Fine)
1x Flap disc (Coarse)
1x Polishing wheel

NEW



Size	Order Code YRK-220
115mm	**-9905K**
125mm	**-9910K**

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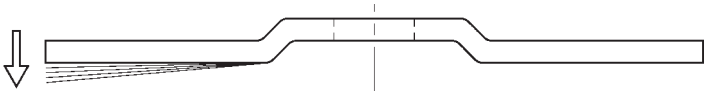
YORK ABRASIVES Depressed Centre Cutting & Grinding Discs

Grade A30 - For general-purpose use on metals.
Grade C24 - For use on stone and non-ferrous materials.
Grade R30 - For use on stainless steel.
Grade X24 - Special, for use on cast iron.

Type 27 Depressed Centre Grinding
Manufactured to assure operator safety and optimum performance. For use with all portable angle grinders. Not to be used for 'free hand' or wet grinding.

Optimum angle for use 25 to 35°.

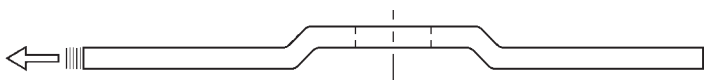




Size (mm)	Box Quantity	Grade	Weight Per 50	Order Code YRK-230
100 x 5 x 16	25	A30RBF	4.20kg	-0120K
100 x 6 x 16	25	A30RBF	6.20kg	-0160K
115 x 5 x 22	25	A30RBF	5.80kg	-1120K
115 x 6 x 22	25	A30RBF	8.00kg	-1160K
125 x 6 x 22	25	A30RBF	9.40kg	-2160K
180 x 5 x 22	10	A30RBF	14.2kg	-3120K
180 x 6 x 22	10	A30RBF	18.4kg	-3160K
180 x 6 x 22	10	R30RBF	18.4kg	-3660K
230 x 6 x 22	10	A30RBF	28.8kg	-4160K
230 x 6 x 22	10	X24RBF	26.0kg	-4180K

Type 42 Depressed Centre Cutting
Manufactured to assure operator safety and optimum performance. For use with all portable grinders/cut-off machines.
Not to be used for 'free hand' cutting and importantly not to be used for grinding.



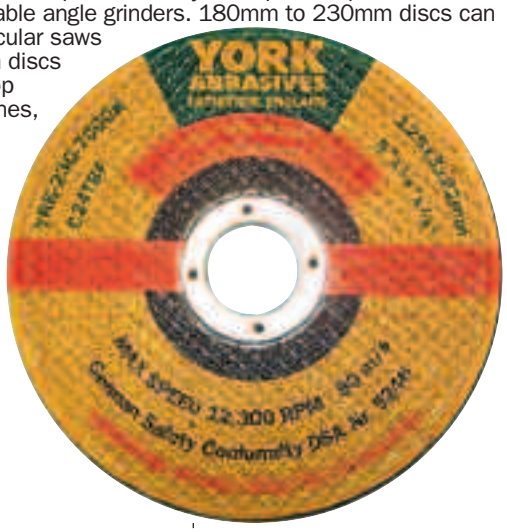


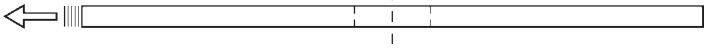
Size	Grade	Weight Per 50	Order Code YRK-230
100 x 3 x 16	A30TBF	3.30kg	-0080K
115 x 3 x 22	A30TBF	3.90kg	-1080K
125 x 3 x 22	A30RBF	4.30kg	-2080K
180 x 3 x 22	A30TBF	10.6kg	-3080K
230 x 3 x 22	A30RBF	15.0kg	-4080K

Flat Reinforced Cutting Discs

Grade A30 - For general-purpose use on metals.
Grade C24 - For use on stone and non-ferrous materials.
Grade R30 - For use on stainless steel.
Grade X24 - Special, for use on cast iron.

Type 41 Flat Reinforced Cutting
Manufactured to assure operator safety and optimum performance. For use withall portable angle grinders. 180mm to 230mm discs can also be used on circular saws and 300 to 350mm discs are for use with chop saws/cut-off machines, subject to bore compatibility. Not to be used for wet cutting.





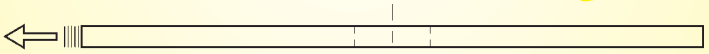
Size (mm)	Grade	Weight Per 50	Order Code YRK-230
100 x 3 x 16	A30RBF	2.60kg	-5080K
100 x 3 x 16	C24RBF	2.60kg	-5800K
115 x 3 x 22	A30TBF	4.00kg	-6080K
115 x 3 x 22	C24RBF	3.50kg	-6800K
125 x 3 x 22	A30RBF	4.20kg	-6950K
125 x 3 x 22	C24TBF	4.30kg	-7000K
180 x 3 x 22	A30TBF	9.20kg	-7080K
180 x 3 x 22	C24TBF	8.50kg	-7800K
230 x 3 x 22	A30TBF	15.0kg	-8080K
230 x 3 x 22	C24TBF	14.6kg	-8800K
300 x 3 x 20	A30RBF	18.8kg	-9080K
300 x 3 x 20	C24RBF	25.0kg	-9090K
300 x 3 x 22	A30RBF	28.8kg	-9800K
300 x 3 x 22	C24RBF	25.0kg	-9810K
355 x 3 x 25	A24NBF	34.6kg	-9920K

Cutting Discs - Inox

Type 41 - Flat Reinforced Cutting
Flat reinforced cutting discs for use with portable angle grinders. 180mm and 230mm discs can also be used on circular saws. Not to be used for wet cutting. For stainless steel (iron, chlorine and sulphur-free). **EN 12413.**



NEW



Size (mm)	Grade	Max Speed (rpm)	Order Code YRK-230
100 x 1.0 x 16.00	A60-TBF Inox	15,200	-4610K
115 x 1.0 x 22.23		13,300	-4630K
115 x 1.6 x 22.23		13,300	-4640K
125 x 1.0 x 22.23	A60-TBF Inox	12,200	-4660K
125 x 1.6 x 22.23			-4670K
180 x 1.8 x 22.23	A36-SBF Inox	8,600	-4690K
230 x 1.8 x 22.23		6,600	-4710K

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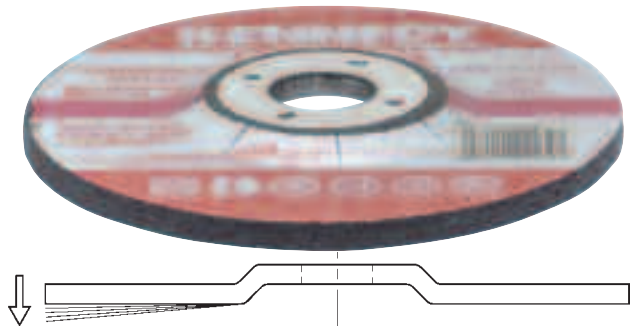
KENNEDY QUALITY INDUSTRIAL TOOLING — Depressed Centre & Flat Reinforced Cutting & Grinding Discs

All Kennedy Depressed Centre and Flat Reinforced Cutting Wheels now carry the 'oSa' (The Organisation for the Safety of Abrasives) mark of approval. 'oSa' is an association of the world's leading abrasives manufacturers. In France, it is mandatory to use only oSa-certified rough grinding wheels and cutting wheels.
Similarly in Germany and Italy, it is strongly recommended that abrasive products conform to the relevant EN standards. 'oSa' marked products are guaranteed to meet or exceed the highest worldwide safety standards, including those of the Comite Europeen de Normalisation (CEN), the European standards body that issues EN standards, and of ANSI in the USA.

oSA® EN 12413

Type 27 Depressed Centre Grinding

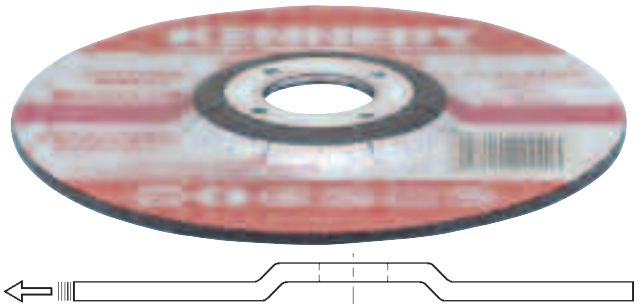
For use with all portable angle grinders.
Not to be used for 'free hand' or wet grinding.
Optimum angle for use 25 to 35°.
Grade A30/AS30 - For general-purpose use on metals.
INOX - For use on stainless steel (iron, chlorine and sulphur free).



Size (mm)	Grade	Weight Per 50	Order Code KEN-230
50 x 4 x 9.6	A80-QBF	1.02kg	**-0050K**
50 x 4 x 9.6	A120-QBF	0.90kg	**-0060K**
100 x 6 x 16	A30-TBF	6.20kg	**-0160K**
115 x 4 x 22.23	AS30-RBF	5.80kg	**-1120K**
115 x 6 x 22.23	A30-TBF	8.00kg	**-1160K**
125 x 6 x 22.23	A30-TBF	9.40kg	**-2160K**
180 x 6 x 22.23	A30-TBF	18.4kg	**-3160K**
230 x 6 x 22.23	A30-TBF	28.8kg	**-4160K**
230 x 6 x 22.23	AS30-INOX-BF	26.0kg	**-4200K**

Type 42 Depressed Centre Cutting

For use with all portable grinders/cut-off machines.
Not to be used for 'free hand' cutting and importantly not to be used for grinding.



Grade A24/A46 - For general purpose cutting on metals.

Size (mm)	Grade	Weight Per 50	Order Code KEN-230
100 x 3 x 16	A24RBF	3.30kg	**-0080K**
115 x 3 x 22.23	A24RBF	3.90kg	**-1080K**
125 x 3 x 22.23	A24RBF	4.30kg	**-2080K**
180 x 3 x 22.23	A24RBF	10.6kg	**-3080K**
230 x 3 x 22.23	A24RBF	15.0kg	**-4080K**

Type 41 Flat Reinforced Cutting

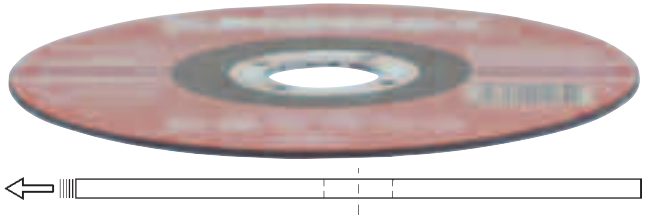
For use with all portable angle grinders. 180mm to 230mm discs can also be used on circular saws, and 300 to 350mm discs are for use with chop saws/cut-off machines, subject to bore compatibility.
Not to be used for wet cutting.
Grade A24/A36 - For general-purpose cutting on metals.
Grade C24 - For general-purpose cutting on stone.



Size (mm)	Grade	Weight Per 50	Order Code KEN-230
100 x 3 x 16	A24-RBF	2.60kg	**-5080K**
100 x 3 x 16	C24-RBF	2.60kg	**-5800K**
115 x 3 x 22.23	A24-RBF	4.00kg	**-6080K**
115 x 3 x 22.23	C24-RBF	3.50kg	**-6800K**
125 x 3 x 22.23	A24-RBF	4.20kg	**-6950K**
180 x 3 x 22.23	A24-RBF	9.20kg	**-7080K**
230 x 3 x 22.23	A24-RBF	15.0kg	**-8080K**
230 x 3 x 22.23	C24-RBF	14.6kg	**-8800K**
350 x 3 x 25.4	A36-RBF	34.6kg	**-9920K**

Inox Cut-Off Discs

For stainless steel (iron, chlorine and sulphur-free).



Diameter x Thickness x Bore (mm)	Grade	Order Code KEN-230
100 x 1.0 x 16.00	AS60T-INOX-BF	**-4410K**
115 x 1.0 x 22.23	AS60T-INOX-BF	**-4430K**
115 x 1.6 x 22.23	AS46T-INOX-BF	**-4440K**
125 x 1.0 x 22.23	AS60T-INOX-BF	**-4460K**
125 x 1.6 x 22.23	AS46T-INOX-BF	**-4470K**
180 x 1.6 x 22.23	AS46T-INOX-BF	**-4500K**
230 x 1.9 x 22.23	AS46T-INOX-BF	**-4540K**

SENATOR QUALITY TOOLING — Depressed Centre Cutting & Grinding Discs

A quality range of depressed centre cutting and grinding discs that offer professional performance and assure operator safety.
For use with all portable grinders. Manufactured to European safety standards.
Note: Cutting discs not to be used for grinding.

Cutting discs: Type 42.
Grinding discs: Type 27.

Type	Size (mm)	Grade	Pack Quantity	Order Code SEN-230
Cutting	100 x 3 x 16	A24RBF	10	**-1030K**
	115 x 3 x 22.23	A24RBF	10	**-1130K**
Grinding	100 x 6 x 16	A30TBF	5	**-1060K**
	115 x 6 x 22.23	A30TBF	5	**-1160K**

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ABRASIVES & POWER TOOLS

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How a Grinding Wheel is Defined

Any grinding wheel is defined by three specific pieces of information:

(1) The Wheel Size

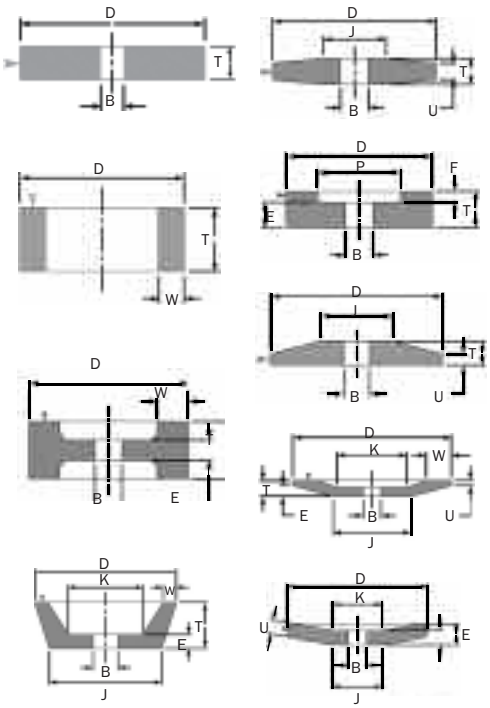
Wheel size is the measure of the overall diameter, wheel thickness and hole diameter quoted in mm:

Diameter (D) x Thickness (T) x Bore (B)

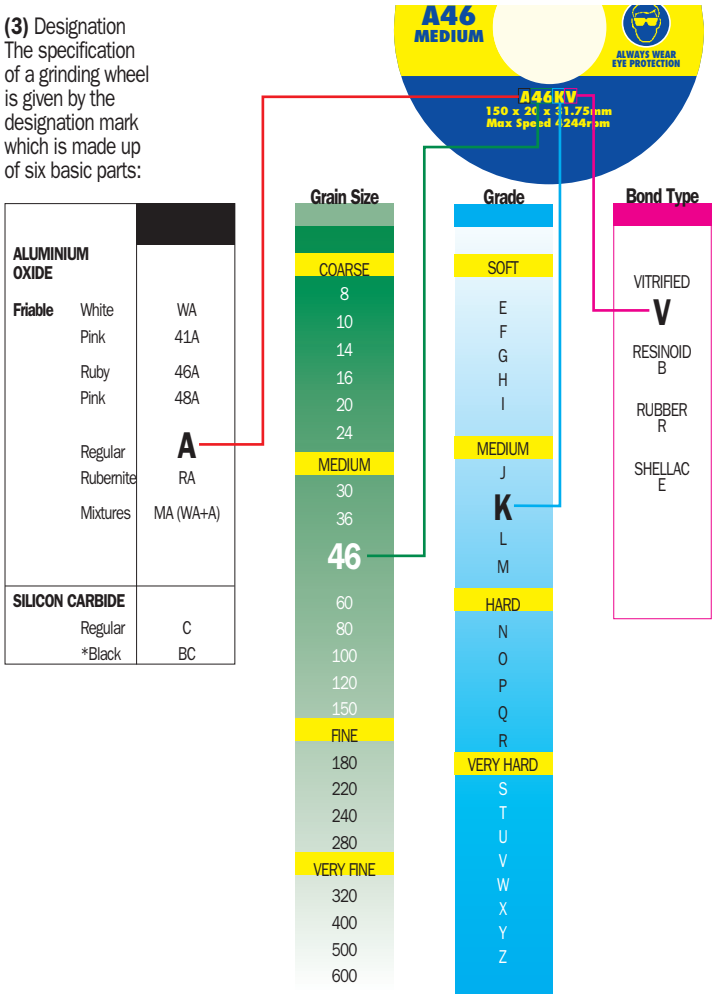
Diameter and thickness are usually represented as nominal dimensions but the bore size is given to two decimal places.

(2) The Shape and Minor Dimensions

Grinding wheels are available in a vast range of shapes. Below are several examples of International Standard Shapes:



(3) Designation
The specification of a grinding wheel is given by the designation mark which is made up of six basic parts:



Abrasive Types

Regular Aluminium Oxide

Tough form of aluminium oxide which contains 3% titanium oxide. Further oxidation of the titanium oxide occurs at temperatures above 1250°C causing the colour to change from the usual brown to a grey-blue. Suitable for grinding high tensile strength materials.



White Aluminium Oxide

Produces wheels with high friability (the ability to fracture, exposing sharp cutting edges) due to the highly refined aluminium oxide containing over 99% pure alumina. Suitable for precision grinding hardened or HSS materials.

Semi-Friable Aluminium Oxide

Produces wheels using an abrasive with friability, toughness and free cutting characteristics. With good form holding and a high degree of versatility making 48A abrasive suitable for cylindrical, centreless, crankshaft and angle head grinding.



Pink Aluminium Oxide

Produces wheels that have highly refined aluminium oxide containing less than 0.3% of chromium oxide. A pink colour wheel, tougher and less friable than white abrasive while still retaining free cutting properties. Suitable for grinding high alloyed tool steels especially when a cooler grinding action is required.



Rubenite Aluminium Oxide

High performance aluminium oxide abrasive used on shank mounted points and wheels. With free cutting characteristics. Suitable for general purpose grinding of steels and most metals.



Silicon Carbide

Wheels that are harder than aluminium oxide type abrasives but brittle. Suitable for grinding low tensile strength materials such as cast iron, non-ferrous metals and non-metallic materials. Silicon carbide is available in three varieties with very similar physical properties. They are distinguished by colour; dark green (DC) the most commonly used, black silicon carbide (BC) is for roughing operations and light green carbide (GC) for specific applications.



Abrasive Mixtures

By mixing different types of abrasives a large range of wheels can be produced with very different characteristics to meet specific needs.

Grain Size

The grain or grit size is important for determining a wheel's ability to produce the required surface finish and stock removal. Grain size is denoted by a number which increases as grain sizes decrease, i.e. 10 grit, grain size = 2.00mm, 60 grit, grain size = 0.25mm. Standard sizes are used for all wheels in Europe as specified in the European Standards laid down by FEPA (Federation of European Producers of Abrasive Products).

A wheel will have the following characteristics as the grit size is made progressively finer:

- It will cut more slowly.
- It will produce a finer surface finish.
- It will be more resistant to dressing by the component being ground.
- It will be more likely to produce chatter marks if the grade is too hard.
- The minimum form radius that can be ground will decrease.

A coarser grit wheel will act in the following way:

- It will be freer cutting.
- It will produce a coarser surface finish.
- It will be less resistant to dressing by the workpiece.
- The minimum form radius that can be ground will increase.

Bond Type

Vitrified Bond: These wheels have a porous structure of abrasive particles bonded together by bridges of glass or similar vitreous material. Other fusible materials are used in formulating bonds to produce a wide range of structures each with its own characteristics. The wheels are kiln fired at temperatures exceeding 1000°, because of this they are unaffected by heat generated during normal grinding processes. Suitable for precision grinding due to their high rigidity, they can be fractured by mechanical forces.

Organic Bonds: Organic bonds such as resinoid, rubber and shellac are cured at relatively low temperatures, when compared to vitrified bonds. Their resistance to mechanical forces can be affected by the heat generated when grinding causing the wheel to wear quickly or fracture easily. This can be altered by controlling the heat resistance of the bond.

Resinoid Bond: Based on thermosetting phenolic resin, to which fillers may be added to improve the mechanical properties of the wheel. As these wheels are tougher and less rigid than vitrified wheels, they are suitable for heavy stock removal. They also produce finer finish.

Rubber Bond: Rubber bonded wheels are suitable for grinding operations where a fine finish is necessary and on wet cutting off operations where a high degree of accuracy and quality of cut are required. Used for most centreless control wheels.

Shellac Bond

These wheels are cool cutting and produce very fine finishes. this makes them particularly suitable for applications with minimal heat generation or for grinding very soft materials such as copper.

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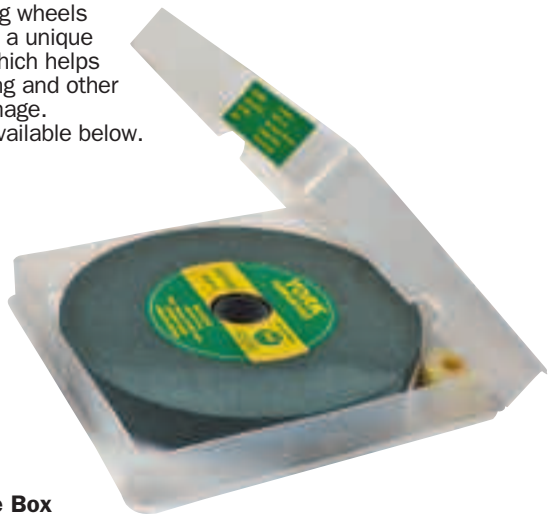
YORK ABRASIVES *Grinding Wheels*

Vitrified bond for precision grinding. Unaffected by water, acid and oils. All 1¼" bore, supplied with 1", ⅞", ¾", ⅝" and ½" bore nylon bushes.





All York grinding wheels are supplied in a unique storage box, which helps prevent chipping and other accidental damage. Spare cases available below.



Spare Storage Box

Type	Order Code YRK-235
For up to 8"/200mm grinding wheels	-9000K

Reducing Bush Set

Contents	Order Code YRK-235
½", ⅝", ¾" & 1"	-9010K

Type 1 Plain

Diameter x Thickness	Grade		Weight each	Order Code YRK-235
		1¼" Bore		
100 x 6	WA80KV	Med	0.25kg	-0030K
127 x 6	WA60KV	Med	0.30kg	-0040K
	WA100KV	Med	0.30kg	-0045K
127 x 13	GC80KV	Med	0.40kg	-0050K
150 x 6	WA60KV	Med	0.30kg	-1110K
	WA100KV	Med	0.30kg	-1130K
150 x 13	A46NV	Med	0.55kg	-1530K
	A60NV	Med	0.55kg	-1550K
	A80NV	Med	0.55kg	-1580K
	WA60KV	Med	0.55kg	-1620K
	WA100KV	Med	0.55kg	-1625K
	GC60JV	Soft	0.55kg	-1630K
150 x 16	A46NV	Med	0.65kg	-1730K
	A60NV	Med	0.65kg	-1750K
	GC60JV	Soft	0.65kg	-1780K
	GC100JV	Soft	0.65kg	-1800K
150 x 20	A36OV	Med	0.80kg	-2010K
	A36PV	Hard	0.80kg	-2020K
	A46NV	Med	0.80kg	-2030K
	A60NV	Med	0.80kg	-2050K
	A60PV	Hard	0.80kg	-2060K
	A80NV	Med	0.80kg	-2070K
	WA60KV	Med	0.80kg	-2090K
	GC60JV	Soft	0.80kg	-2110K
	GC80JV	Soft	0.80kg	-2120K
	GC100IV	Soft	0.80kg	-2130K
150 x 25	A60NV	Med	1.10kg	-2350K
	GC60JV	Med	1.10kg	-2380K
180 x 6	WA60KV	Med	0.40kg	-2400K
	WA100KV	Med	0.40kg	-2410K
180 x 13	A46NV	Med	0.80kg	-2440K
	GC60JV	Soft	0.80kg	-2460K
	GC100IV	Soft	0.80kg	-2470K
	WA46HV	Soft	0.80kg	-2480K
	WA46JV	Med	0.80kg	-2490K
	WA46KV	Med	0.80kg	-2500K
	WA60JV	Soft	0.80kg	-2510K
	WA60KV	Med	0.80kg	-2520K
	WA80JV	Soft	0.80kg	-2528K
	WA80KV	Med	0.80kg	-2530K
	WA100KV	Med	0.70kg	-2540K
180 x 20	A60NV	Med	1.20kg	-2550K
	WA46KV	Med	1.20kg	-2560K
	WA60KV	Med	1.20kg	-2570K
	WA80KV	Med	1.20kg	-2580K
	GC60JV	Soft	1.20kg	-2590K
200 x 13	WA46KV	Med	0.90kg	-2596K
	WA60KV	Med	0.90kg	-2600K
	WA80KV	Med	0.90kg	-2610K
200 x 20	A36NV	Med	1.40kg	-2616K
	A36PV	Hard	1.40kg	-2620K
	A46NV	Med	1.40kg	-2630K
	A46PV	Hard	1.40kg	-2640K
	A60NV	Med	1.40kg	-2650K
	A60PV	Hard	1.40kg	-2660K
	WA46KV	Med	1.40kg	-2680K
	WA60KV	Med	1.40kg	-2700K
	GC60JV	Soft	1.40kg	-2710K
200 x 25	A36PV	Hard	1.80kg	-2820K
	A46NV	Med	1.80kg	-2830K
	A46PV	Hard	1.80kg	-2840K
	A60NV	Med	1.80kg	-2850K
	A60PV	Hard	1.80kg	-2860K
	A80NV	Med	1.80kg	-2870K
	GC60JV	Soft	1.80kg	-2910K
	GC80JV	Soft	1.80kg	-2920K
	GC100IV	Soft	1.80kg	-2930K
	GC120JV	Soft	1.80kg	-2940K
		3" Bore		
250 x 20	WA46KV	Med	2.50kg	-3240K
256 x 20	WA60KV	Med	2.50kg	-3260K
256 x 25	A36MV	Med	3.05kg	-3300K
	A36NV	Hard	3.05kg	-3320K
	A46MV	Med	3.05kg	-3340K
	A60MV	Med	3.05kg	-3360K
	WA46JV	Med	3.05kg	-3420K
	WA46KV	Med	3.05kg	-3440K
	WA60KV	Med	3.05kg	-3460K
	GC60JV	Med	3.05kg	-3500K
	GC60KV	Med	3.05kg	-3520K
	GC80JV	Med	3.05kg	-3540K
	GC100IV	Soft	3.05kg	-3580K
300 x 25	WA46KV	Med	3.65kg	-4260K
	WA60KV	Med	3.65kg	-4280K
	WA100KV	Med	3.65kg	-4320K
300 x 33	A36NV	Hard	5.20kg	-4520K
	A46MV	Med	5.20kg	-4560K
	A60MV	Med	5.20kg	-4600K

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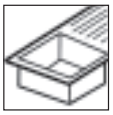
KENNEDY Jigsaw Blades

Manufactured from high quality steels to meet the demands of most industrial and DIY applications. Supplied display carded. High teeth per inch (TPI) blades will be slower cutting and produce a better edge finish. Low teeth per inch blades will be faster cutting but produce coarse edges on the workpiece. Different materials will also give different edge finishes depending on the make up of the material and direction of cut in relation to the direction of the grain. When cutting certain metals, lubricant or grease may be required to reduce friction and dissipate heat. Various techniques can be employed to prevent splintering of cut edges on wood, especially laminated materials. These include the use of an anti-splinter guard. This is a plastic insert that locates in the jigsaw base plate, reducing the gap around the blade and the splinter area. Another technique is to score a guide line on the wood. This creates a pre-cut line that must then be followed accurately. The last technique is to place adhesive tape over the proposed cut line. This holds the material in place whilst the cut is being made.

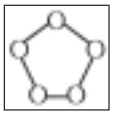

Mild Steel


Stainless Steel

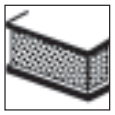

Non-Ferrous metal


Sheet Metal


Aluminium


Plastics


Profiles


Sandwich Material

EXTENDED RANGE

Capacity (mm) Steel	Wood	Alum.	Plastics	Tooth Pitch	Effective Length (mm)	Features/ Recommendations	Equiv.	Order Code KEN-240
HSS - Heavy Duty (Pack 5)								
-	-	10.0	20.0	2.0	75	Tapered & Ground	T101A	**-1010K**
1.5-4.0	-	1.5-4.0	8.0	1.2	48	Wavy Set Teeth	T118A	***-1160K**
1.5-4.0	-	1.5-4.0	-	1.2	48	Wavy Set Teeth	T218A	**-2180K**
2.0	-	2.0	-	0.7	50	Wavy Set Teeth	T118G	**-1180K**
3.0-6.0	-	3.0-15.0	30.0	3.0	75	Side Set Teeth	T127D	***-1270K**
3.0-6.0	-	3.0-10.0	-	2.0	48	Wavy Set Teeth	T118B	***-1170K**
3.0-6.0	-	3.0-10.0	-	2.0	100	Wavy Set Teeth	T318B	**-3190K**
3.0-6.0	-	3.0-15.0	30.0	3.0	75	Side Set Teeth	T227D	**-2270K**
4.0	-	1.5-4.0	-	1.2	100	Wavy Set Teeth	T318A	**-3180K**
10.0	-	10.0	-	2.6	75	Wavy Set Teeth	T123X	**-1240K**
10.0	10.0	10.0	-	5.0	110	Wavy Set Teeth	T1345X	**-3450K**
Bi-Metal - High Performance (Pack 5)								
1.5-4.0	-	1.5-4.0	8.0	1.2	50	Wavy Set Teeth	T118AF	**-1150K**

***Best Sellers are also available in 'Contractor Packs' of 20 blades - See below**



PACK OF 5

'Contractor Packs'

The most popular 'T' style blades bulk packed in 20s for economy. Supplied in telescopic 'pocket' cases that are ideal for the industrial user.





PACK OF 20

Capacity (mm) Steel	Wood	Alum.	Plastics	Tooth Pitch	Effective Length (mm)	Features	Equiv.	Order Code KEN-240
HSS - Heavy Duty (Pack 20)								
1.5-4.0	-	1.5-4.0	8.0	1.2	48	Wavy Set Teeth	T118A	**-1165K**
3.0-6.0	-	3.0-10.0	-	2.0	48	Wavy SetTeeth	T118B	**-1175K**
3.0-6.0	-	3.0-15.0	30.0	3.0	75	Side Set Teeth	T127D	**-1275K**

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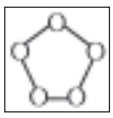
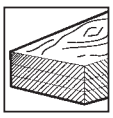
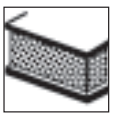
KENNEDY Jigsaw Blades *Continued*

EXTENDED RANGE

Recommendations:


Plastics

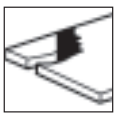

Timber


Sandwich Material


Plywood


Chipboards


Hard & Soft Wood

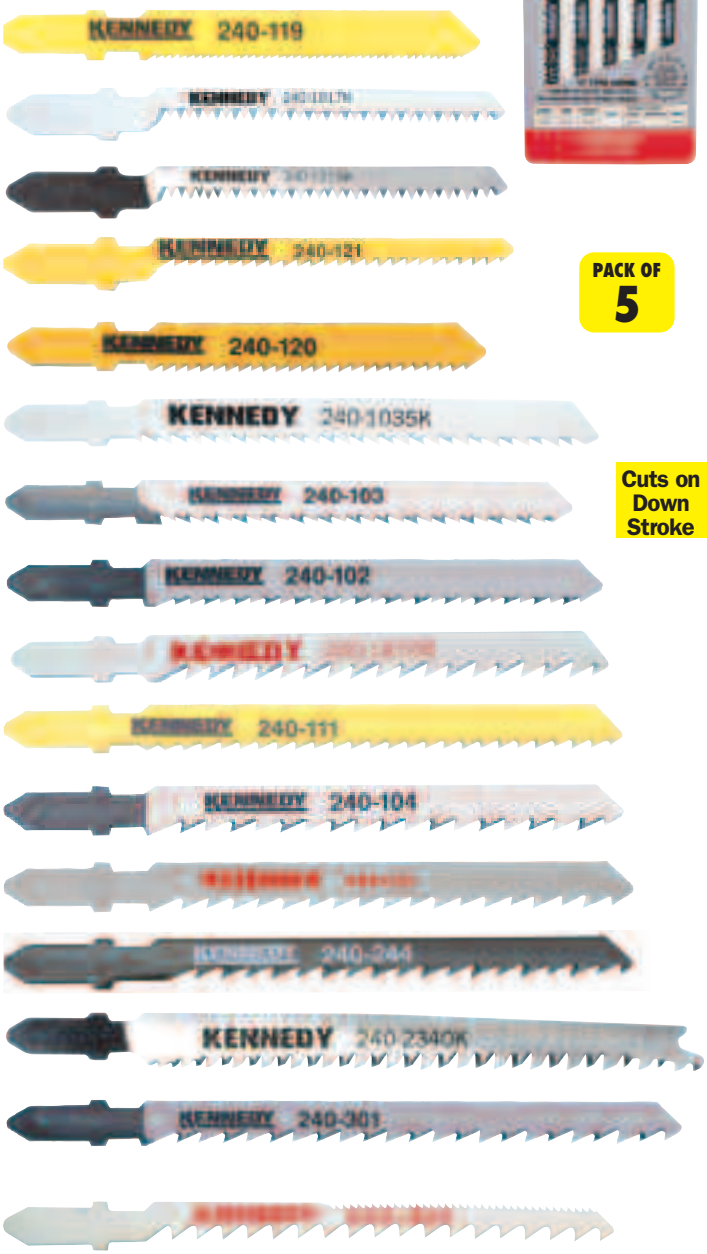

Curved Cutting

'T' Type Shank
'T' Style or bayonet fitting as used by AEG, Atlas Copco, Bosch, Dewalt, Elu, Hitachi, Holz-Her, Kobe, Makita, Metabo and Osaki.



***Best Sellers are also available in 'Contractor Packs' of 20 blades - See below**

Capacity (mm) Wood	Capacity (mm) Plastics	Tooth Pitch	Effective Length (mm)	Features/ Recommendations	Equiv.	Order Code KEN-240
HCS - Medium Duty (Pack 5)						
15.0	8.0	1.2	48	Wavy Set Teeth	T119A	**-1190K**
15.0	-	1.4	50	Ground Set Teeth	T101AOF	**-1017K**
15.0	-	1.4	50	Tapered & Ground	T101AO	**-1015K**
20.0	20.0	2.5	50	Wavy Set Teeth	T119BO	**-1210K**
30.0	20.0	2.0	48	Wavy Set Teeth	T119B	**-1200K**
30.0	-	2.5	75	Tapered & Ground	T101BRF	**-1035K**
50.0	30.0	2.5	64	Tapered & Ground	T101BR	**-1030K**
50.0	30.0	2.5	75	Tapered & Ground	T101B *	**-1020K**
50.0	-	4.0	75	Ground & Side Set	T144DP	**-1450K**
60.0	30.0	3.0	75	Side Set Teeth	T111C *	**-1110K**
60.0	30.0	4.0	75	Tapered & Ground	T101D	**-1040K**
60.0	50.0	4.0	75	Tapered & Ground	T144D *	**-1440K**
60.0	50.0	4.0	75	Side Set Teeth	T244D	**-2440K**
65.0	-	3.0	90	Tapered & Ground	T234X	**-2340K**
70.0	50.0	4.0	85	Tapered & Ground	T301D	**-3010K**
Bi-Metal - High Performance (Pack 5)						
60.0 Cuts on Both Edges	30.0	4.0 1.8	70 40	Side Set Teeth	Combi	**-3320K**



PACK OF 5

Cuts on Down Stroke

ABRASIVES & POWER TOOLS

Jigsaw Blade Assortment

NEW

PACK OF 10

'T'-Shank - Fits 90% of all current jigsaw makes and models including Bosch, DeWalt, Hitachi, Kobe, Makita and Osaki. Supplied in a tough plastic storage case. Contains one of each of the most popular wood cutting blades:

Clean cut wood blades: **T101AO, T101B, T101BR, T101AOF, T101BF, T101BRF.**
Speed cut wood blades: **T144D, T244D.**
Speed cut hardwood blades: **T144DF.**
Precision cut wood blades: **T144DP.**



Description	Order Code KEN-240
Assorted set of Jigsaw Blades (Pack of 10)	**-5620K**

'Contractor Packs'

PACK OF 20

The most popular 'T' style blades bulk packed in 20's for economy.
Supplied in telescopic 'pocket' cases that are ideal for the industrial user.





Capacity (mm) Wood	Capacity (mm) Plastics	Tooth Pitch	Effective Length (mm)	Features	Equiv.	Order Code KEN-240
HCS - Medium Duty (Pack 20)						
50.0	30.0	2.5	75	Tapered & Ground	T101B	**-1025K**
60.0	30.0	3.0	75	Side Set Teeth	T111C	**-1115K**
60.0	50.0	4.0	75	Tapered & Ground	T144D	**-1445K**

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YORK ABRASIVES Fibre Hand Pads

A range of non-woven fibre hand pads for cleaning, blending and finishing applications. Supplied in packs of 10.

Size: 155 x 225mm.

White - Non-abrasive: for the removal of oxides and coatings, produces a scratch-free finish.

Grey - XX-Fine Pad: for light finishing on all minerals as well as lacquer de-nibbing.

Maroon - X-Fine: general-purpose conformable hand pad which gives a finer finish than the Green hand pad.

Green - Fine: general-purpose hand pad for cleaning and finishing. It can also be used for lacquer de-nibbing and matt finishing on solid surfaces.

Black - Medium: for medium to coarse finishing and blending.

Brown - Coarse: heaviest duty pad in the range. Used for light deburring, cleaning and finishing applications,
e.g. deburring edges of sheet materials to improve handling.

Pack of 6
Handy book with one of each: white, grey, maroon, green, black and brown.



Colour	Grade	Size (mm)	Order Code YRK-245
White	Non	155 x 225	-2080K
Grey	XX-Fine		-2100K
Maroon	X-Fine		-2060K
Green	Fine	155 x 225	-2040K
Black	Medium		-2000K
Brown	Coarse		-2020K
Pack of 6		155 x 225	-3000K

Non-Woven Roll

Non-woven roll for cleaning, blending and finishing.



Colour	Grade	Size (mm x m)	Order Code YRK-245
Maroon	X-Fine	100 x 10	-1600K
Green	Fine		-1640K
Black	Medium		-1620K
Maroon	X-Fine	150 x 10	-1700K
Green	Fine		-1740K
Black	Medium		-1720K

Industrial Steel Wire Wool

Available in a choice of seven grades for industrial, household, and trade use. For the preparation of surfaces between coats, use the wire wool dry. For removing paint spots, use with a white spirit, turpentine or liquid paint remover. For household work, use with soap and water as required.
Suitable for use with metallic pots and pans. Always wear gloves.

Applications:
000 - Very Fine: dulling of varnish, polishing metals and car bodies.
00 - Fine: between coats of paint and polishing wooden surfaces.
0 - Fine: general-purpose.
1 - Medium: preparation prior to painting or varnishing.
2 - Medium: general-purpose.
3 - Coarse: removal of paint, varnish, rust etc.
4 - Very Coarse: rubbing down wooden surfaces, preparation of car bodies/exterior surfaces.

Rust Removal





EXTENDED RANGE



Pack Size	Grade	Order Code YRK-245
200g	000 - Very Fine	-1210K
	00 - Fine	-1220K
	0 - Fine	-1230K
	1 - Medium	-1240K
	2 - Medium	-1250K
	3 - Coarse	-1260K
	4 - Very Coarse	-1270K
450g	000 - Very Fine	-1010K
	00 - Fine	-1030K
	0 - Fine	-1050K
	1 - Medium	-1070K
	2 - Medium	-1090K
	3 - Coarse	-1110K
	4 - Very Coarse	-1130K

SENATOR QUALITY TOOLING Fibre Hand Pads

Non-woven Hand Pads
For cleaning, blending and finishing applications.

Green - fine: General-purpose pads for cleaning and finishing. Can also be used for lacquer de-nibbing and matt finishing on solid surfaces.

Maroon - X-fine: General-purpose pads which give a finer finish than the Green hand pad.

NEW



PACK OF 10

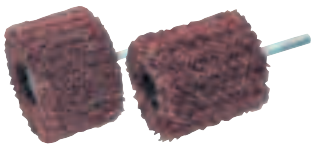
Colour	Pack Quantity	Order Code SEN-245
Green	10	-6010K
Maroon	10	-6020K

Shaft Mounted Combi Wheels

Made from high quality nylon, which is both flexible, durable and does not clog as easily as standard abrasive. 6mm shank diameter. Ideal for matching/blending a finish, light deburring, decorative/cosmetic applications. Alternate flaps of abrasive are interleaved with a versatile high quality nylon. 6mm shank diameter. Suitable for: deburring, producing cosmetic finishes on most materials, rust removal and blending.

Finishing Wheels

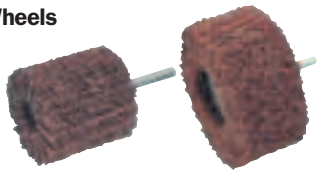
6mm SHANK



Diameter x Width (mm)	Grade	Order Code YRK-245
50 x 25	Coarse	-8310K
	Medium	-8320K
	Fine	-8330K
	Very Fine	-8340K
50 x 50	Coarse	-7560K
	Medium	-7570K
	Fine	-7580K
	Very Fine	-7590K
60 x 30	Medium	-7620K
76 x 25	Medium	-8370K
	Fine	-8380K
	Very Fine	-8390K
76 x 50	Coarse	-8410K
	Medium	-8420K
	Very Fine	-8440K
100 x 50	Medium	-7770K
	Fine	-7780K

Interleaved Wheels

6mm SHANK



Diameter x Width (mm)	Grade	Order Code YRK-245
50 x 25	Coarse	-8710K
	Medium	-8720K
	Fine	-8730K
	Very Fine	-8740K
50 x 50	Coarse	-7960K
	Medium	-7970K
	Fine	-7980K
	Very Fine	-7990K
60 x 30	Coarse	-8010K
	Medium	-8020K
	Fine	-8030K
76 x 25	Coarse	-8760K
	Medium	-8770K
	Fine	-8780K
	Very Fine	-8790K
76 x 50	Coarse	-8810K
	Medium	-8820K
	Fine	-8830K
100 x 50	Coarse	-8160K
	Medium	-8170K
	Fine	-8180K
	Very Fine	-8190K

York Abrasive Blocks

Rubber sanding blocks impregnated with abrasive. Remains abrasive throughout the block. For industrial sanding/cleaning components and surfaces.



Grade	Weight each	Order Code YRK-245
Fine	141g	-4000K
Medium	110g	-4010K
Coarse	119g	-4020K
X-Coarse	122g	-4030K

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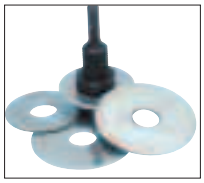
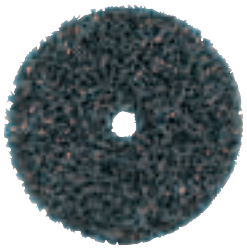
YORK ABRASIVES

Clean & Strip Unitised Wheels

Cleans surfaces faster and more effectively than wire brushes, scrapers or pickling pastes. Produced by adhesively bonding and compressing web together to form a slab from which wheels are then cut. High stock removal producing a very good finish. As there are no metal components used in the manufacture of these wheels, accidental damage to the work piece is eliminated. Ideally suitable for preparation and cleaning of welds, rust removal and removal of discolouration.



6mm Mandrel
(supplied separately)

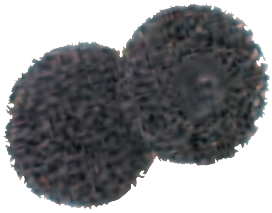


Requires Mandrel

Size x Bore (mm)	Grade	Max. RPM	Order Code YRK-245
100 x 12	X/Coarse	5,500	-5020K
150 x 12		3,500	-5040K
200 x 12		2,500	-5060K

	Order Code YRK-280
6mm Mandrel for clean strip wheel	-5010K

Clean & Strip Unitised Discs



Requires Backing Pad



M14 Threaded Backing Pad
(supplied separately)

Size (mm)	Grade	Maximum RPM	Order Code YRK-245
75	X/Coarse	10,000	-5310K
Backing Pad - M14 Thread			-3510K

Clean & Strip Discs Kit

Contents	Grade	Max. RPM	Order Code YRK-245
4x 75mm Discs 1x 12 M14 Backing Pad	X/ Coarse	10,000	-9100K

Surface Preparation & Polishing Kit

Contents:
1x M14 backing pad, 1x surface conditioning discs brown (CRS), 1x surface conditioning disc in maroon (medium), blue (very fine) and grey (ultra fine), 1x felt disc (white), 1x bar of compound (yellow).

7 PIECES



Number of Pieces	Order Code YRK-245
7	-9200K

XL Unitised Wheels

Produced by adhesively bonding and compressing web together to form a slab from which wheels are then cut.

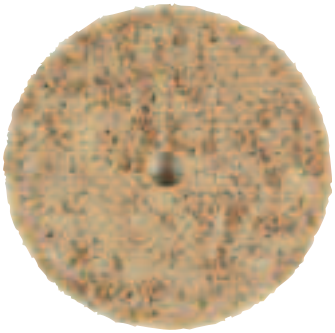
Maximum RPM:
76mm diameter: 9,500.
152mm diameter: 4,700.
Density grade: 2SFIN.



Nominal Size (mm)	Weight per 10	Order Code YRK-245
76 x 12 x 6.5	250g	-6550K
76 x 25 x 6.5	540g	-6570K
152 x 6 x 12.7	590g	-6610K
152 x 12 x 12.7	1080g	-6630K
152 x 25 x 12.7	2160g	-6650K

XL Unitised Discs

Ideal for use on portable hand and power tools for working on intricate shapes. Main applications include deburring, blending and finishing on a variety of materials. Suitable for use with all types of portable drills, grinders etc. Can be used as a disc or wheel.

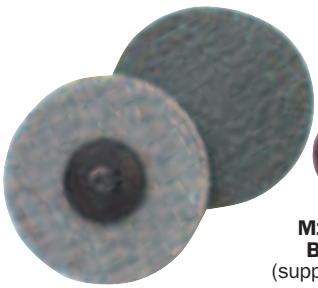


Nominal Size	Grade	MOS RPM	Order Code YRK-245
50 x 6mm	Fine	22,100	-6810K

Surface Preparation & Finishing Discs

A complete range of flexible surface preparation discs from coarse grit through to a fine polishing disc allows you to rapidly and consistently achieve the finish you require. Ideal for rust removal, preparing and cleaning welds. The threaded mounting allows rapid disc change when required.

Diameter: 75mm.



M14 Threaded Backing Pad
(supplied separately)

Grade	Colour	Order Code YRK-245
Ultra Fine Polishing	Grey White	-3640K -3700K
Backing Pad M14 Thread		-3510K

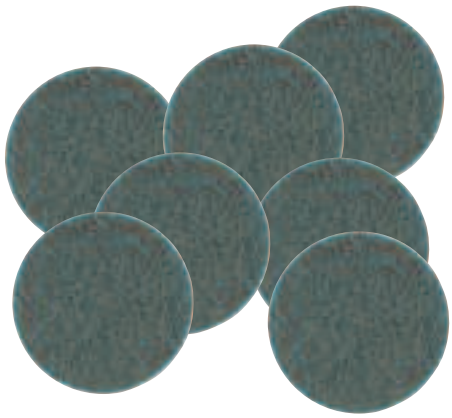
Surface Conditioning Discs

Fibre-Backed
For removing grinding marks and scratches leaving a greatly improved surface finish. For use with a regular (sanding disc) flexible backing pad.



Nominal Size	Grade	MOS RPM	Order Code YRK-245
100mm	Coarse	18,000	-6110K
115mm	Coarse	13,000	-6150K
178mm	Coarse	6,000	-6200K

Hook-n-Loop Scrim-Backed
For removing grinding marks and scratches leaving a greatly improved surface finish.



Nominal Size	Grade	MOS RPM	Order Code YRK-245
100mm	Fine	18,000	-6010K
	Med		-6020K
	Coarse		-6030K

Rigid Backing Pad
To suit scrim backed surface conditioning discs. M14 female thread.

Size: 100mm x M14.

Nominal Size	Order Code YRK-280
100mm x M14	-4100K

Rust & Paint Removal Disc

Made of intertwined nylon fibres which are then immersed in synthetic resin and gently hardened. Ideal for removing old paint, rust and welding splatter without scratching the surface of the workpiece, cleaning and smoothing wood and plastic, polishing of stainless steel and removal of thermal bluing.
DIN EN 13743.



Size x Bore (mm)	Maximum RPM	Order Code YRK-245
115 x 22	10,500	-3800K

ABRASIVES & POWER TOOLS

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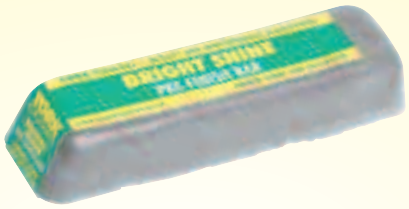
YORK ABRASIVES Pre-Finish & Polishing Bars

General-Purpose Polishing
High quality ingredients combine to produce this bar for rapid working to give a mirror finish on non-ferrous metals and plastics.



Product Number	Size	Order Code YRK-247
PGP100	1000g	**-8000K**

Bright Shine Pre-Finish
This bar has a composition that gives good cutting characteristics and also leaves a bright finish when used with our sisal mops.



Product Number	Size	Order Code YRK-247
FBS080	800g	**-8040K**

Mirror Finish Polishing Bar
This bar has a composition that produces a superb mirror finish on stainless steels, chrome plate and non-ferrous metals.



Product Number	Size	Order Code YRK-247
PMF100	1000g	**-8080K**

Fast Cutting Pre-Finish
Medium greasy in composition with iron free abrasives for fast cutting when used with our sisal mops. Its consistency will often negate the need for scrubbing or abrasion and produce a matt finish without drag lines.



Product Number	Size	Order Code YRK-247
FFC080	800g	**-8020K**

Fast Cutting Polishing Bar
This composition produces a superb fast cutting bar to give a final polish on stainless steels, chrome plate and non-ferrous metals. Used generally for commercial finishes because it is clean to use and clears well.



Product Number	Size	Order Code YRK-247
PFC100	1000g	**-8060K**

Synthetic Gloss Polishing Bar
High quality ingredients combine to produce this bar for rapid working to give a mirror finish on non-ferrous metals and plastics.



Product Number	Size	Order Code YRK-247
PSG080	800g	**-8100K**

Felt Bob Finishing Set

Supplied in a stylish and robust case.

21 Piece Set Contents:
Cylindrical
3mm shank: 19 x 19mm x1 and 18 x 20mm x1; 6 x 10mm x2, 6 x 14mm x2, 12 x 7mm x2 and 12 x 24mm x2.
6mm shank: 18 x 38mm x1; 12 x 24mm x2 and 24 x 24mm x2.
Taper Plain End
3mm shank: 12 x 20mm x2.
6mm shank: 19 x 25mm x2 and 25 x 30mm x2.
Cone
3mm shank: 9 x 14mm x1.
Also included:
SM-51224 - 3mm Collet.
SM-51224 - 6mm Collet.
Polishing Bar Compound: 110g.

NEW

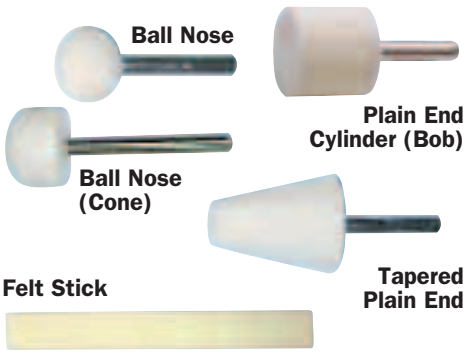
21 PIECES



Number of Pieces	Weight each	Order Code YRK-247
21	250g	**-9100K**

Felt Bobs

York Felt Bobs are made of pure wool in a variety of sizes, shapes. The mandrels are exactly centred for true-running operation. Suitable for product finishing/polishing with finishing/polishing compounds.



Diameter x Length (mm)	Shank Size	Order Code YRK-247
Plain End Cylinder (Bob)		
6 x 10	3mm	**-1040K**
6 x 14	3mm	**-1060K**
12 x 7	3mm	**-1100K**
12 x 24	3mm	**-1120K**
12 x 24	6mm	**-1140K**
12.7 x 15	3mm	**-1150K**
13 x 13	3mm	**-1160K**
18 x 20	3mm	**-1190K**
18 x 38	6mm	**-1200K**
19 x 19	3mm	**-1220K**
24 x 24	6mm	**-1250K**
25 x 7	3mm	**-1300K**
Ball Nose		
12.70 x 12.70	3mm	**-3940K**
Ball Nose (Cone)		
9.00 x 14.00	3mm	**-3080K**
12.70 x 12.70	3mm	**-3120K**
25.00 x 25.00	6mm	**-3220K**
Felt Stick		
150.00 x 13.00	10mm	**-0400K**
150.00 x 20.00	10mm	**-0420K**
Tapered Plain End		
12.00 x 20.00	3mm	**-3560K**
19.00 x 25.00	6mm	**-3720K**
25.00 x 30.00	6mm	**-3820K**

Felt Bob Set

7 Piece Set Contents:
Cylindrical
3mm shank: 6 x 14mm, 12 x 7mm, 12 x 24mm and 25 x 7mm.
6mm shank: 12 x 24mm and 24 x 24mm.
Cylindrical Ball Nosed
3mm shank: 9 x 14mm.

Supplied in wooden storage box.

7 PIECES



Number of Pieces	Weight each	Order Code YRK-247
7	250g	**-9070K**

Silicon Carbide Valve Grinding Compound

For cutting brass, hardened steel and cast iron. Ideally used within the automotive and engineering industry. For heavy and light stock removal applications, from the removal of pits in exhaust pipes to the finishing of inlet valves.



*Contains 1x fine 85g and 1x coarse 85g

Size	Type	Order Code YRK-257
85g*	Fine/Coarse	**-2100K**
200g	Fine	**-2010K**
	Coarse	**-2050K**
500g	Fine	**-2020K**
	Coarse	**-2060K**

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YORK ABRASIVES Open Type Polishing Mops

Soft
Produces high quality finishes on non-ferrous metals such as brass, copper, aluminium and pewter. Can also be used on plastics for a medium finish. Best used with medium polishing pressure. Can be used with our fast cutting and mirror finish polishing bars.



Size	Order Code YRK-247
100 x 25mm	-4020K
150 x 25mm	-4040K
150 x 100mm	-4060K
Arbor To Suit	-6020K

Extra Soft
For use on plastics but are also suitable for gold and silver. Soft material is unsuitable for steel, stainless and non-ferrous metals. Performs well with a medium pressure and our synthetic gloss polishing bars.



Size	Order Code YRK-247
100 x 25mm	-4120K
150 x 25mm	-4140K
150 x 50mm	-4160K
Arbor to Suit	-6020K

Medium
For use with steel, brassware, nickel silver, copper, aluminium, chrome and plastics. Made in 13mm (½") sections, they will splay out when under pressure, ideal for work on uneven surfaces. Use with medium pressure and general-purpose polishing bar, fast cutting finishing bar and mirror finish polishing bar.



Size	Order Code YRK-247
100 x 12mm	-4220K
100 x 25mm	-4240K
150 x 25mm	-4260K
Arbor To Suit	-6020K

Stitched Type Polishing Mops

Untreated Sisal
Designed for heavy duty use including mopping operations on steel and non-ferrous metals. Ideal for the clearing of grinding/polishing marks from previous operations.

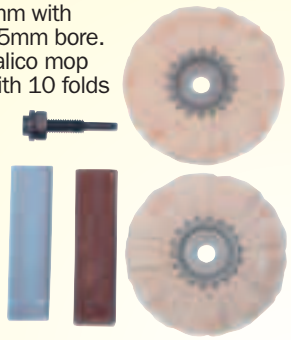


Size	Order Code YRK-247
150 x 13mm	-4320K
150 x 25mm	-4340K
150 x 50mm	-4360K
200 x 25mm	-4400K
200 x 50mm	-4420K
250 x 50mm	-4520K
Arbor To Suit	-6020K

Polishing Mop Kits

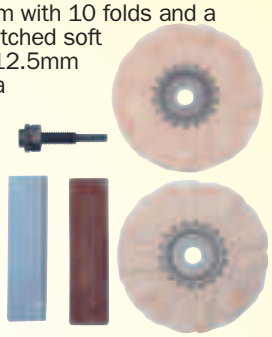
A complete high performance surface finishing solution, producing a mirror finish in three stages. For use with drills, bench grinders or die grinders. All mops are pleated to run cooler and carry more composition.

For Non-Ferrous Metals
Contents (1 of each): Secure holding arbor with a 6mm shank. Unstitched hard calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. Unstitched soft calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. 60g brown bar - general polishing composition. 60g blue bar - mirror finish polishing composition.



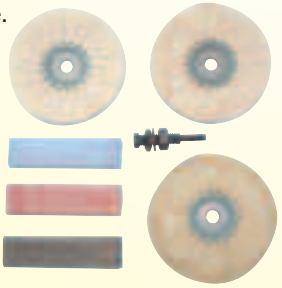
For Polishing	Order Code YRK-280
Non-Ferrous Metals	-9420K

For Plastics
Contents (1 of each): Secure holding arbor with a 6mm shank. Unstitched hard calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. Unstitched soft calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. 60g brown bar - general polishing composition. 100g beige bar - general finishing composition.



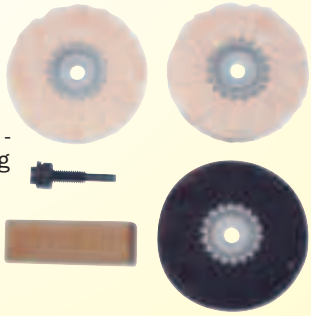
For Polishing	Order Code YRK-280
Plastics	-9440K

For Ferrous Metals
Contents (1 of each): Secure holding arbor with a 6mm shank. Stitched sisal mop 100 x 25mm with four sections and a 9.5mm bore. Unstitched hard calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. Unstitched soft calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. 60g dark brown bar - fast cutting composition. 60g pink bar - general polishing. 60g blue bar - mirror finish polishing composition.



For Polishing	Order Code YRK-280
Ferrous Metals	-9400K

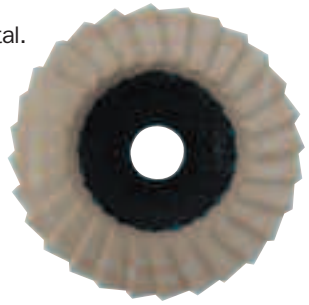
For Woods
Contents (1 of each): Secure holding arbor with a 6mm shank. Denibbing disc 100 x 25mm with 4 sections and a 9.5mm bore. Unstitched hard calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. Unstitched soft calico mop 100 x 12.5mm with 10 folds and a 9.5mm bore. 100g beige bar - general finishing composition.



For Polishing	Order Code YRK-280
Woods	-9460K

G-VA Polishing Flap Discs

Manufactured with high quality felt flaps. To be used with polishing compounds to produce polished mirror finishes on metal.



Size	Order Code YRK-247
115 x 22.23mm	-4720K
125 x 22.23mm	-4740K

Polishing Compond

White: pre-polishing steel and stainless steel.
Blue: high gloss polishing.
Brown: pre-polishing of non-ferrous metals.



Colour	Size	Order Code YRK-247
Blue	110gm	-8420K
Brown	110gm	-8440K
White	110gm	-8470K
8 Piece Set - As above		-8500K

Felt Flap Wheels

Made of pure wool in a variety of sizes and shapes. The mandrels are exactly centred for true-running operation. Suitable for product finishing/polishing with finishing/polishing compounds.

Shank: 6mm.

Diameter x Length	Order Code YRK-247
30 x 25mm	-5040K
40 x 25mm	-5050K
50 x 25mm	-5060K
60 x 25mm	-5070K
80 x 25mm	-5090K
30 x 30mm	-5140K
40 x 30mm	-5150K
50 x 30mm	-5160K
60 x 30mm	-5170K
80 x 30mm	-5190K



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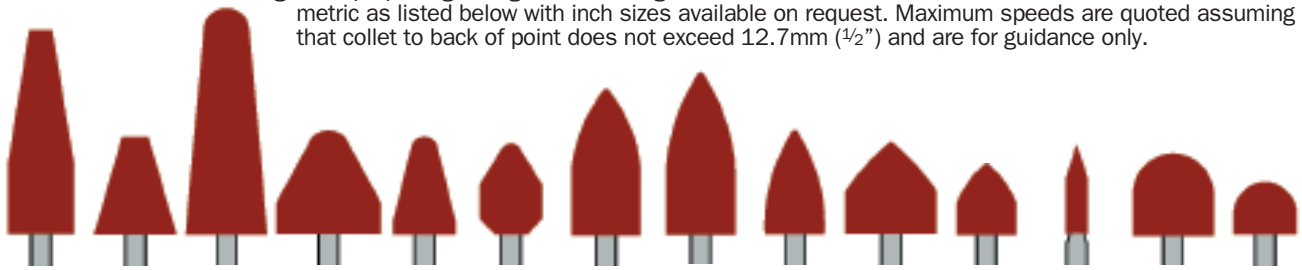
KENNEDY QUALITY INDUSTRIAL TOOLING

Mounted Points & Wheels

Suitable for portable die and straight hand grinders. All points are aluminium oxide with 'Rubenite™' as standard for all general-purpose grinding and deburring on steels and most metals. Shank diameters are metric as listed below with inch sizes available on request. Maximum speeds are quoted assuming that collet to back of point does not exceed 12.7mm (½") and are for guidance only.

'A' Shape Shank Diameter 6mm



Shape	A1	A2	A3	A4	A5	A6	A8	A11	A12	A13	A14	A15	A21	A22
Grade	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA60	RA60	RA80	RA60	RA60
Diameter	20mm	25mm	25mm	32mm	20mm	19mm	21mm	21mm	18mm	28mm	18mm	6mm	25mm	19mm
Length	63mm	32mm	70mm	32mm	28mm	28mm	45mm	50mm	32mm	28mm	22mm	27mm	25mm	16mm
Max. rpm	20,000	38,000	16,000	30,000	45,000	39,000	20,000	20,000	48,000	34,000	55,000	55,000	34,000	51,000
Weight per 10	420g	380g	630g	440g	240g	240g	370g	470g	210g	390g	190g	100g	380g	200g
	KEN-250 -0010K	KEN-250 -0020K	KEN-250 -0030K	KEN-250 -0040K	KEN-250 -0050K	KEN-250 -0060K	KEN-250 -0080K	KEN-250 -0110K	KEN-250 -0120K	KEN-250 -0130K	KEN-250 -0140K	KEN-250 -0150K	KEN-250 -0210K	KEN-250 -0220K



Shape	A23	A24	A25	A26	A31	A32	A33	A34	A35	A36	A37	A38	A39
Grade	RA60	RA80	RA60	RA60	RA46	RA46	RA46	RA46	RA46	RA80	RA80	RA60	RA60
Diameter	19mm	6mm	25mm	16mm	35mm	25mm	25mm	38mm	25mm	40mm	32mm	25mm	19mm
Length	25mm	20mm	25mm	16mm	25mm	16mm	13mm	9mm	10mm	10mm	6mm	25mm	19mm
Max. rpm	39,000	70,000	35,000	60,000	25,000	38,000	38,000	25,000	38,000	23,000	30,000	35,000	47,000
Weight per 10	220g	100g	310g	150g	340g	230g	200g	280g	180g	230g	160g	370g	200g
	KEN-250 -0230K	KEN-250 -0240K	KEN-250 -0250K	KEN-250 -0260K	KEN-250 -0310K	KEN-250 -0320K	KEN-250 -0330K	KEN-250 -0340K	KEN-250 -0350K	KEN-250 -0360K	KEN-250 -0370K	KEN-250 -0380K	KEN-250 -0390K

'B' Shape Shank Diameter 3mm



Shape	B41	B42	B43	B44	B45	B46	B47	B51	B52	B53	B54	B55	B61	B62	B63	B64
Grade	RA80	RA80	RA100	RA100	RA100	RA120	RA120	RA80	RA80	RA100	RA100	RA100	RA80	RA80	RA100	RA120
Diameter	16mm	13mm	6mm	6mm	5mm	3mm	3mm	12mm	10mm	8mm	6mm	3mm	19mm	13mm	6mm	6mm
Length	16mm	19mm	8mm	10mm	8mm	8mm	4mm	19mm	20mm	16mm	13mm	6mm	8mm	10mm	5mm	2mm
Max. rpm	34,000	33,000	80,000	68,000	100,000	100,000	100,000	45,000	45,000	60,000	60,000	100,000	38,000	41,000	92,000	100,000
Weight per 10	220g	100g	310g	150g	20g	20g	20g	50g	40g	30g	30g	20g	70g	40g	20g	20g
	KEN-250 -0410K	KEN-250 -0420K	KEN-250 -0430K	KEN-250 -0440K	KEN-250 -0450K	KEN-250 -0460K	KEN-250 -0470K	KEN-250 -0510K	KEN-250 -0520K	KEN-250 -0530K	KEN-250 -0540K	KEN-250 -0550K	KEN-250 -0610K	KEN-250 -0620K	KEN-250 -0630K	KEN-250 -0640K



Shape	B65	B70	B71	B73	B81	B82	B83	B84	B91	B92	B93	B95	B96	B97	B101
Grade	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA120	RA100	RA100	RA100
Diameter	3mm	19mm	16mm	13mm	19mm	13mm	10mm	8mm	13mm	6mm	5mm	3mm	3mm	3mm	16mm
Length	3mm	3mm	2.4mm	3mm	5mm	6mm	5mm	5mm	16mm	6mm	5mm	5mm	6mm	10mm	18mm
Max. rpm	100,000	50,000	60,000	73,000	50,000	76,000	87,000	100,000	34,000	81,000	100,000	100,000	100,000	100,000	33,000
Weight per 10	20g	40g	40g	25g	40g	30g	30g	20g	50g	20g	20g	20g	20g	20g	70g
	KEN-250 -0650K	KEN-250 -0700K	KEN-250 -0710K	KEN-250 -0730K	KEN-250 -0810K	KEN-250 -0820K	KEN-250 -0830K	KEN-250 -0840K	KEN-250 -0910K	KEN-250 -0920K	KEN-250 -0930K	KEN-250 -0950K	KEN-250 -0960K	KEN-250 -0970K	KEN-250 -1010K



Shape	B102	B103	B104	B105	B106	B111	B112	B113	B114	B115	B121	B122	B123	B124	B131	B132	B135
Grade	RA180	RA80	RA100	RA120	RA100	RA100	RA120	RA80	RA80	RA100	RA120	RA120	RA80	RA120	RA80	RA80	RA120
Diameter	16mm	16mm	8mm	6mm	3mm	12mm	10mm	6mm	6mm	2.5mm	13mm	10mm	5mm	3mm	13mm	10mm	6mm
Length	13mm	5mm	10mm	6mm	3mm	18mm	13mm	6mm	10mm	3mm	13mm	10mm	5mm	3mm	13mm	13mm	13mm
Max. rpm	44,000	61,000	68,000	100,000	100,000	33,000	45,000	70,000	68,000	100,000	45,000	61,000	100,000	100,000	34,000	45,000	60,000
Weight per 10	60g	40g	20g	20g	20g	50g	40g	30g	20g	20g	50g	40g	20g	20g	50g	50g	30g
	KEN-250 -1020K	KEN-250 -1030K	KEN-250 -1040K	KEN-250 -1050K	KEN-250 -1060K	KEN-250 -1110K	KEN-250 -1120K	KEN-250 -1130K	KEN-250 -1140K	KEN-250 -1150K	KEN-250 -1210K	KEN-250 -1220K	KEN-250 -1230K	KEN-250 -1240K	KEN-250 -1310K	KEN-250 -1320K	KEN-250 -1350K

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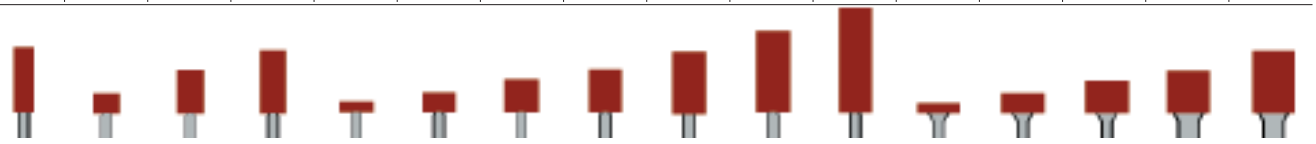
KENNEDY Mounted Points

'W' Shape Shank Dia. 3mm



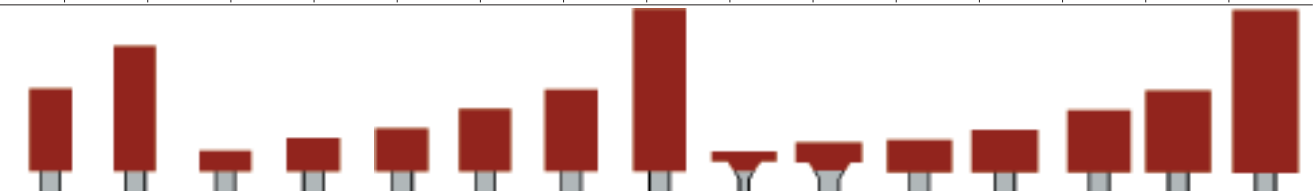
Shape	W142	W143	W144	W145	W146	W147	W149	W151	W152	W153	W154	W158	W159	W160	W162	W163
Grade	RA120	RA120	RA100	RA80	RA80	RA120	RA120	RA120	RA100	A120	RA80	RA120	RA100	RA80	RA80	RA80
Diameter	2.5mm	3mm	3mm	3mm	3mm	4mm	4mm	5mm	5mm	5mm	5mm	6mm	6mm	6mm	6mm	6mm
Length	6mm	3mm	6mm	10mm	13mm	0.8mm	6mm	3mm	6mm	10mm	13mm	3mm	5mm	6mm	10mm	13mm
Max. rpm	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	80,000	70,000	90,000	92,000	81,000	68,000	60,000
Weight per 10	20g	20g	20g	20g	20g	20g	20g	20g	20g	20g	30g	20g	20g	30g	30g	30g
	KEN-250 -1420K	KEN-250 -1430K	KEN-250 -1440K	KEN-250 -1450K	KEN-250 -1460K	KEN-250 -1470K	KEN-250 -1490K	KEN-250 -1510K	KEN-250 -1520K	KEN-250 -1530K	KEN-250 -1540K	KEN-250 -1580K	KEN-250 -1590K	KEN-250 -1600K	KEN-250 -1620K	KEN-250 -1630K

'W' Shape Shank Dia. 3mm except



Shape	W164	W167	W170	W171*	W173	W174	W175	W176	W177*	W178*	W179*	W182	W183	W184	W185	W186*
Grade	RA80	RA60	RA60	RA60	RA80	RA60	RA60	RA60	RA60	RA60	RA60	RA60	RA80	RA80	RA60	RA60
Diameter	6mm	8mm	8mm	8mm	10mm	10mm	10mm	10mm	10mm	10mm	10mm	13mm	13mm	13mm	13mm	13mm
Length	13mm	6mm	13mm	19mm	3mm	6mm	10mm	13mm	20mm	25mm	32mm	3mm	6mm	10mm	13mm	20mm
Max. rpm	55,000	60,000	40,000	36,000	70,000	60,000	50,000	45,000	33,000	26,000	25,000	70,000	70,000	70,000	34,500	51,000
Weight per 10	40g	30g	40g	100g	30g	30g	40g	50g	120g	120g	140g	40g	40g	50g	60g	140g
	KEN-250 -1640K	KEN-250 -1670K	KEN-250 -1700K	KEN-250 -1710K	KEN-250 -1730K	KEN-250 -1740K	KEN-250 -1750K	KEN-250 -1760K	KEN-250 -1770K	KEN-250 -1780K	KEN-250 -1790K	KEN-250 -1820K	KEN-250 -1830K	KEN-250 -1840K	KEN-250 -1850K	KEN-250 -1860K

'W' Shape Shank Diameter 6mm



Shape	W187	W188	W192	W193	W194	W195	W196	W197	W200	W201	W202	W203	W204	W205	W208
Grade	RA60	RA60	RA80	RA60	RA60	RA60	RA60	RA60	RA80	RA60	RA60	RA60	RA60	RA36	RA46
Diameter	13mm	13mm	16mm	16mm	16mm	16mm	16mm	16mm	20mm	20mm	20mm	20mm	19mm	20mm	20mm
Length	25mm	38mm	6mm	10mm	13mm	19mm	25mm	50mm	3mm	6mm	10mm	13mm	19mm	25mm	50mm
Max. rpm	40,500	30,370	61,000	61,000	56,000	46,000	32,000	21,000	50,000	40,000	30,000	25,000	42,000	34,000	18,000
Weight per 10	170g	220g	140g	140g	150g	190g	220g	350g	400g	140g	160g	180g	230g	280g	500g
	KEN-250 -1870K	KEN-250 -1880K	KEN-250 -1920K	KEN-250 -1930K	KEN-250 -1940K	KEN-250 -1950K	KEN-250 -1960K	KEN-250 -1970K	KEN-250 -2000K	KEN-250 -2010K	KEN-250 -2020K	KEN-250 -2030K	KEN-250 -2040K	KEN-250 -2050K	KEN-250 -2080K

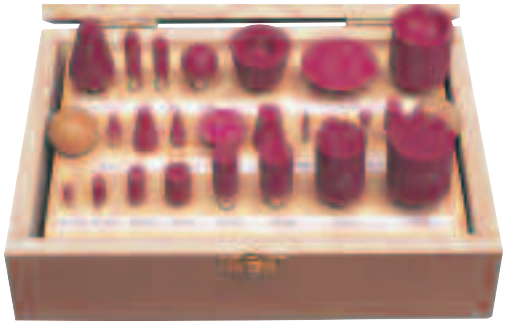
'W' Shape Shank Diameter 6mm except W244 = 10mm & W211 = 3mm



Shape	W211*	W212	W215	W216	W217	W218	W219	W220	W222	W225	W226	W227	W230	W236	W238	W242	W244*
Grade	RA80	RA60	RA80	RA46	RA46	RA80	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46	RA46
Diameter	22mm	22mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm	32mm	32mm	32mm	32mm	38mm	38mm	50mm	50mm
Length	3mm	6mm	3mm	6mm	10mm	13mm	19mm	25mm	50mm	6mm	9.5mm	13mm	32mm	13mm	38mm	25mm	50mm
Max. rpm	43,000	33,000	38,000	38,000	38,000	38,000	35,000	25,000	15,900	30,000	30,000	30,000	20,000	25,000	15,000	11,000	11,000
Weight per 10	60g	150g	30g	30g	40g	30g	40g	100g	730g	210g	270g	230g	700g	430g	1100g	1380g	2670g
	KEN-250 -2110K	KEN-250 -2120K	KEN-250 -2150K	KEN-250 -2160K	KEN-250 -2170K	KEN-250 -2180K	KEN-250 -2190K	KEN-250 -2200K	KEN-250 -2220K	KEN-250 -2250K	KEN-250 -2260K	KEN-250 -2270K	KEN-250 -2300K	KEN-250 -2360K	KEN-250 -2380K	KEN-250 -2420K	KEN-250 -2440K

Assorted Mounted Point Sets

Selected shapes suitable for a vast range of internal grinding operations.
For use with air and electric die grinders, drills etc. 3mm and 6mm shank sizes.
'Rubenite' aluminium oxide grade for general use on metals.



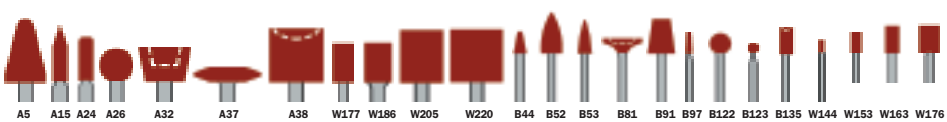
Contents:

5 Piece: A5, A24, A26, W217 and W205. Supplied in clear bag with header.

8 Piece: A5, A24, A25, A26, A39, W177, W186 and W205. Supplied in clear bag with header.

24 Piece: A5, A15, A24, A26, A32, A37, A38, B44, B52, B53, B81, B91, B97, B122, B123, B135, W144, W153, W163, W176, W177, W186, W205 and W220. Supplied in fitted wooden bench case.

Number of Pieces	Contents	Weight each	Order Code KEN-250
5	As Above	0.10kg	-2950K
8		0.17kg	-2980K
24		1.20kg	-3240K



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KENNEDY QUALITY INDUSTRIAL TOOLING

Abrasives Files

A range of tough general-purpose sharpening stones able to give keen, even cutting edges on all straight edge cutting tools. Consistent and uniform cutting edges ensure fast cutting and longer tool life.

Square Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	15g	-1500K
	Medium		-1510K
	Coarse		-1520K
100 x 10	Fine	35g	-1600K
	Medium		-1610K
	Coarse		-1620K
100 x 13	Fine	55g	-1700K
	Medium		-1710K
	Coarse		-1720K

Silicon Carbide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	10g	-4300K
	Medium		-4310K
	Coarse		-4320K
100 x 10	Fine	30g	-4400K
	Medium		-4410K
	Coarse		-4420K
100 x 13	Fine	45g	-4500K
	Medium		-4510K
	Coarse		-4520K
150 x 13	Fine	55g	-4600K
	Medium		-4610K
	Coarse		-4620K
150 x 19	Fine	110g	-4700K
	Medium		-4710K
	Coarse		-4720K
150 x 25	Fine	170g	-4800K
	Medium		-4810K
	Coarse		-4820K

3 Square Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	10g	-1800K
	Medium		-1810K
	Coarse		-1820K
100 x 10	Fine	20g	-1900K
	Medium		-1910K
	Coarse		-1920K
100 x 13	Fine	30g	-2000K
	Medium		-2010K
	Coarse		-2020K

Silicon Carbide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	10g	-4900K
	Medium		-4910K
	Coarse		-4920K
100 x 10	Fine	15g	-5000K
	Medium		-5010K
	Coarse		-5020K
100 x 13	Fine	25g	-5100K
	Medium		-5110K
	Coarse		-5120K
150 x 13	Medium	40g	-5210K
150 x 19	Medium	60g	-5310K

Oilstones
A comprehensive range of bench stones and sharpening stones to cover a wide variety of sharpening and honing applications. Most of the shapes and sizes are available in fine, medium and coarse grades. Available in aluminium oxide or silicon carbide, all stones can be used wet or dry to produce sharp cutting edges or to remove burrs.

Aluminium Oxide Man-made abrasive which is extremely tough enabling high speed penetration of high tensile materials without causing excessive fracturing. This resistance to fracturing makes it a versatile material suitable for general sharpening and honing applications.

Silicon Carbide Man-made abrasive with very hard, sharp particles. This makes it ideal for non-ferrous metals, hard surfaces, alloys and cemented carbides. Also used on stone, marble, glass and plastics. A superior abrasive that is able to penetrate and cut quickly with only light pressure being applied.

Bench Stones

For workshop use. Ideal for sharpening chisels, plain iron and virtually any metallic implements.

Combination Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 25 x 13	Med/Coarse	70g	-1050K
150 x 50 x 25	Med/Coarse	430g	-1010K
200 x 50 x 25	Med/Coarse	530g	-1030K

Single Grit Silicon Carbide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 25 x 6	Fine	36g	-4000K
	Medium		-4010K
100 x 25 x 13	Fine	61g	-4100K
	Medium		-4110K

Single Grit Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 25 x 13	Fine	57g	-1300K
	Medium	57g	-1310K
	Coarse	57g	-1320K
150 x 50 x 25	Fine	450g	-1100K
	Medium		-1110K
200 x 50 x 25	Fine	530g	-1200K
	Medium	570g	-1210K
	Coarse	685g	-1220K

Pocket Stone

Single Grit Aluminium Oxide

Man-made abrasive which is extremely tough, enabling high speed penetration of high tensile materials without causing excessive fracturing. This resistance to fracturing makes it a versatile material suitable for general sharpening and honing applications.
Ideal for sportsmen, farmers, gardeners and the home user to bring back that sharp edge on pocket-knives, chisels etc.



Size (mm)	Grade	Weight each	Order Code KEN-255
80 x 22 x 10	Medium	45g	-1410K

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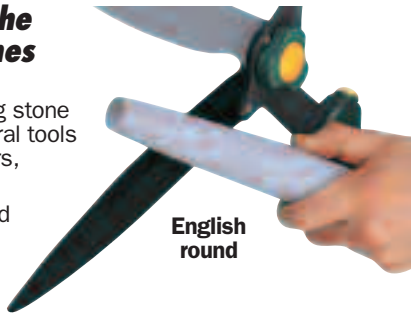
KENNEDY Scythe Stones

Aluminium Oxide
A general-purpose sharpening stone for agricultural and horticultural tools such as hoes, spades, edgers, clippers and shears.

Size: 235mm flat tapered and 305mm English round.



Flat tapered



Size (mm)	Grade	Weight each	Order Code KEN-255
235 x 35/15	Coarse	250g	-3620K
305 x 36/20	Coarse	610g	-3720K

Abrasive Files

Round Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	10g	-2100K
	Medium		-2110K
	Coarse		-2120K
100 x 10	Fine	20g	-2200K
	Medium		-2210K
	Coarse		-2220K
100 x 13	Fine	30g	-2300K
	Medium		-2310K

Round Silicon Carbide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 6	Fine	10g	-5400K
	Medium		-5410K
	Coarse		-5420K
100 x 10	Fine	15g	-5500K
	Medium		-5510K
	Coarse		-5520K
100 x 13	Fine	25g	-5600K
	Medium		-5610K
	Coarse		-5620K

Half Round Aluminium Oxide



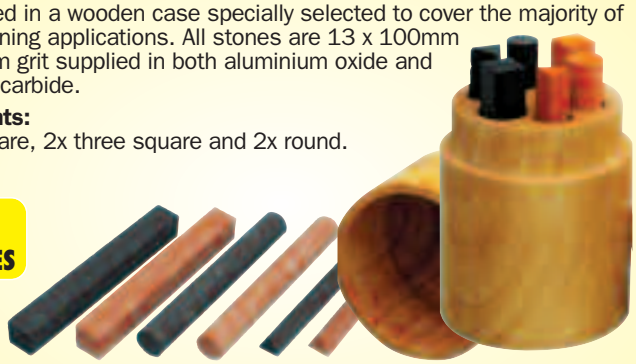
Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 13	Fine	25g	-2400K
	Medium		-2410K
	Coarse		-2420K

Sharpening Stone Set

Supplied in a wooden case specially selected to cover the majority of sharpening applications. All stones are 13 x 100mm medium grit supplied in both aluminium oxide and silicon carbide.

Contents:
2x square, 2x three square and 2x round.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-255
6	250g	-9000K

Slip Stones

For sharpening curved edge cutting tools.

Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 25 x 11/5	Fine	45g	-3000K
100 x 25 x 11/5	Medium	50g	-3010K
115 x 45 x 6/1.5	Medium	55g	-3110K
115 x 45 x 13/5	Fine	120g	-3200K
115 x 45 x 13/5	Medium	120g	-3210K

Silicon Carbide



Size (mm)	Grade	Weight each	Order Code KEN-255
115 x 45 x 6-1.5	Fine	40g	-5800K
	Medium		-5810K
115 x 45 x 13-5	Medium	95g	-5910K

Silversmith Stone

Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 13 x 2	Fine	15g	-2500K
100 x 13 x 2	Medium	15g	-2510K

Knife Stone

Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
100 x 25 x 3	Medium	20g	-2710K

Reamer Stone

Aluminium Oxide



Size (mm)	Grade	Weight each	Order Code KEN-255
125 x 25 x 5	Medium	45g	-3410K

ABRASIVES & POWER TOOLS

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KOBE PU Air & Water Hose Reels

Auto layering mechanism to prevent jamming. Working pressure 8 bar (120 PSI). Suitable for water up to 45°C. 180° pivoting wall bracket included - can be fixed to walls or ceilings. 1/4 BSPT. Conforms to **BS EN ISO 12100: 2010**.



Hose Size Bore x Length	Order Code KBE-258
6mm x 12m	-1050K
8mm x 12m	-1060K
10mm x 10m	-1070K

Rubber Air & Water Hose Reels

Designed for professional garages/workshops Controlled slow rewind with auto layering mechanism to prevent jamming. Suitable for water up to 45°C. Working pressure 18 bar (260 PSI). 180° pivoting wall bracket included - can be fixed to walls or ceilings. 1/4 BSPT. Conforms to **BS EN ISO 12100 : 2010**.



Hose Size Bore x Length	Order Code KBE-258
10mm x 15m	-1110K
10mm x 20m	-1120K
10mm x 30m	-1130K

Retractable Air Hose Balancer

With adjustable tension return, it retracts when the air tool is released, leaving the work place clear of unwanted lengths of air hose. Ideally suited for in-line production.
With spring loaded safety clip for overhead fixing.
Hose length: 1.5m.
Hose I.D.: 5mm.
Hose O.D.: 8mm.
Maximum pressure: 200psi.
Hoist range: 0 - 1.5kg.



Maximum Tool Weight	Weight each	Order Code KBE-280
1.5kg	850g	-1000K

KENNEDY Industrial PVC Airline Hose

30m

Reinforced with a polyester fibre braid. Used in pneumatic airline systems, crop spraying, transportation of gases and liquids, decanting of acids, salts and many other chemicals. Fully approved for food contact applications.
Operating temperature range of -20°C to +60°C.

Maximum pressure ratings:
6.35mm bore - 250psi
9.50mm bore - 150psi,
12.7mm bore - 130psi,
19.0mm bore - 100psi.

Supplied in 30m (100ft) reels.



Bore Size (mm)	Weight each	Order Code KEN-258
6.35 (1/4")	3.6kg	-1010K
9.50 (3/8")	4.5kg	-1030K
12.70 (1/2")	5.9kg	-1050K
19.00 (3/4")	9.0kg	-1070K

Through Flow Air Hose

Open drum 20m air hose reel.
Easy wind reel mechanism. With high impact resistant drum and guide walls. 1/2"air hose fitted with two ear hose clips and standard PCL couplings for 1/2" hose. 15bar working pressure. The axial supply allows the hose to be wound and unwound during operation. Supplied complete with 1.5m supply connection hose and wall mounting hooks.

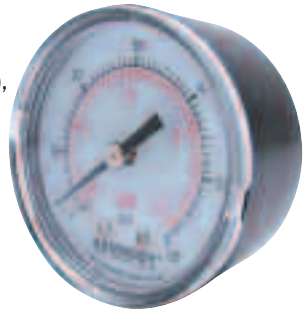
20m



Hose Length	Weight each	Order Code KEN-258
20m	4.5kg	-5100K

Pressure Gauges

Fitted with a G1/8" brass thread, can be used to measure psi and bar readings and can be fitted directly onto any filter regulator - lubricators.
Available in two face sizes (40 and 50mm), made from tough ABS plastic.
Back entry fittings.



Face Diameter	Pressure Bar	Weight each	Order Code KEN-259
40mm	0 - 12	55g	-8240K
	0 - 4	50g	-8280K
50mm	0 - 12	70g	-8320K
	0 - 4	70g	-8360K

KOBE Whip Hose & Adaptor

Used to supply air between air tool and supply point. Uses standard couplings. Prevents vibration damage to couplings and the user.
1/4 NPT thread. Quick release.
Coupling - 650mm overall length.

0.65m



Thread	Order Code KBE-280
1/4 NPT	-1360K

Heavy Duty Nylon Air Hose

Solid brass couplings with 360° swivel and spring protectors allow use in any direction. Ideal for use in awkward access areas. Recoils to a fraction of its working length when not in use leaving the work place clear of entanglement hazards.

Extended length: 7.5m.

Pressure rating:
8.0mm diameter - 250psi.
9.5mm diameter - 150psi.

7.5m



Thread (BSPT)	Outside Diameter	Weight each	Order Code KBE-280
1/4"	6.0mm	850g	-1140K
3/8"	9.5mm	850g	-1300K

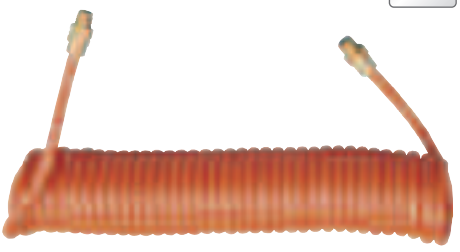
Industrial PVC Airline Hose

Hi-flex Polyurethane Air Hose
With brass 360° swivel couplings, ideal for use in awkward access areas. Recoils to a fraction of its working length leaving the work place clear of entanglement hazards.

Extended length: 7.5m.

Pressure rating:
6.0mm diameter - 200psi
9.5mm diameter - 300psi.

7.5m



Thread (BSPT)	Outside Diameter	Weight each	Order Code KBE-280
1/4"	8.0mm	850g	-1160K
3/8"	9.5mm	850g	-1320K

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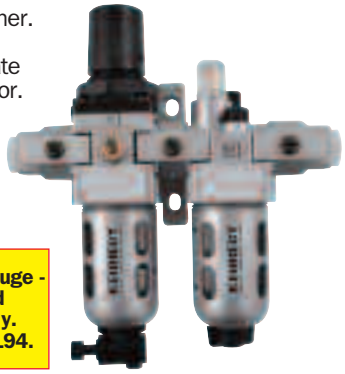
KENNEDY Air Filter Regulator Lubricator

Manual/semi-auto drain as standard. Rolling membrane regulator with secondary bleed and adjustable knob. 20µm element as standard. Constant oil flow. Fully assembled units comprise a combined filter - regulator - lubricator in modular configuration.

Body: technopolymer.
Bowl: polycarbonate with protector.
Filtration size: 20µm.



Pressure Gauge - supplied separately. See page 194.

Port Size	Flow Rate	Order Code KEN-259
G¼	260ltr/min	-5830K
G⅜	1100ltr/min	-5840K
G½	2500ltr/min	-5850K

Air Filter Regulator Combi

Manual/semi-auto drain as standard. Rolling membrane regulator with secondary bleed and adjustable knob. 20µm element as standard. Simply unscrew bowl for servicing. Use individually or as part of a combination unit.

Pressure range: 0 - 8bar.
Max inlet: 15bar.
Body: Technopolymer.
Bowl: Polycarbonate with protector.
Filtration size: 20µm.



Port Size	Flow Rate	Order Code KEN-259
G¼	800ltr/min	-5800K
G⅜	1650ltr/min	-5810K
G½	3000ltr/min	-5820K

Air Lubricator Units

Adjustable, constant oil flow. Integral mounting provision. Use individually or as part of a combination unit.

Temperature range: -10°C to 60°C.
Max input pressure: 10bar.
Body: Technopolymer.
Bowl: Polycarbonate with protector.
Recommended oil: ISO VG32 (Servo System 32).
Filtration size: 20µm.



Port Size	Bowl Capacity	Order Code KEN-259
G¼	28.0cc	-5900K
G⅜	46.0cc	-5910K
G½	89.5cc	-5920K

Portable Air Preparation Cradle

Combined Filter-Regulator-Lubricator modular unit. Housed in a rugged stove enamelled steel cage. Manual filter drain. Push to lock non-rising regulator control knob. Constant lubricator oil flow & very low pick-up pressure. Rugged metal bowl guards. Available ½" providing 3000l/min (106cfm) at 7bar. Filters out condensate build-up from compressor through mains close to point of use. Lubricates near to air tools. Prolongs life of air tools. Accessibility of air to work location. High flow rate allows multiple air tool use. Adjustable pressure range 0.5 to 10bar. For use in garages (very high automotive use), machine shops, joinery industry, sheet metal industry and any industry where air tools or spray guns are used.



Size	Delivery (@7bar)	Order Code KEN-294
½"	3000l/min(106cfm)	-3001B

Air Filter Units

Manual/Semi-Auto drain as standard, 20µm element, simply unscrew bowl for servicing. Integral mounting provision. Use individually or as part of a combination unit.

Pressure range: 0 - 8bar max Inlet: 15bar.
Temperature range: -10°C to 60°C.
Filtration standard: 25mu.
Body: Technopolymer
Bowl: Polycarbonate with protector.
Filtration size: 20µm.



Port Size	Flow Rate	Order Code KEN-259
G¼	800ltr/min	-5500K
G⅜	1900ltr/min	-5510K
G½	3750ltr/min	-5520K

Air Regulator Units

Rolling membrane regulator with secondary bleed and adjustable knob. Press to lock.

Pressure range: 0 - 8bar standard, 2bar, 4bar and 12bar options.
Temperature range: -10°C to 60°C.
Gauge ports: G⅛ (two).
Body: technopolymer.



Port Size	Flow Rate	Order Code KEN-259
G¼	600ltr/min	-6100K
G⅜	2050ltr/min	-6110K
G½	3200ltr/min	-6120K

Electronic Auto Drain Valve

Electronic timer for ultimate reliability. Adjustable interval and discharge times. Self cleaning valve needs no maintenance. LED indicators show operational status. Impulse test button. Supplied with full instructions. Includes tamperproof kit.

Electronic Timer: Power 'ON' LED. Valve 'OPEN' LED.
Interval time: 0.5 to 45min.
Discharge time: 0.5 to 10sec.

Solenoid Valve: 0 to 16bar.
Function: 2/2 NC.
Port connections: G⅜.
Main pressure range: 0 - 16bar max.
Filtration: strainer recommended.
Temperature range: Ambient -10°C to +50°C, Media -10°C to +140°C.
Lubrication: not required.
Media: air, gases, non-corrosive liquids.

Timer & Solenoid Valve Assembly:
Electrical data: AC 220V, 50Hz, 19W AC 110V, 50Hz, 28W.
Insulation: Class H 180°C.
Protection: IP65 (with connector).
Temperature range: -10°C to +140°C.

Materials Solenoid Valve:
Tube and plunger: stainless steel.
Spring: stainless steel.
Body: brass.
Seals: Buna.



Model Number	Size	Order Code KEN-259
AVD220	220V	-6200K

KOBE Mini Oiler

Feeds oil directly into the airline ensuring your air tool is well lubricated at all times preventing corrosion. The clear body reservoir allows immediate inspection of the oil level.

All brass construction.



Thread Size	Weight each	Order Code KBE-280
G¼"	130g	-1400K

Water Separator

Continuously removes moisture from the air supply helping to prevent corrosion to the internal components of the air tool. The spring valve allows immediate draining of reservoir without any down time.



Thread Size	Weight each	Order Code KBE-280
G¼"	110g	-1900K

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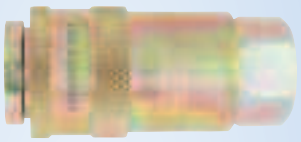
KOBE 'Standard' Couplings

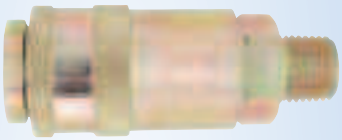
The 'Industry Standard' coupling. Zinc plated all steel construction, finished in hard wearing passivate. Positive single locking action prevents accidental dislocation. For fixed applications - for couplings for trailing hoses see 'Vertex' type below. Compatible with the range of standard Kobe adaptors. Free air flow rate at 7bar/100psi: **35 to 42cfm** (990 to 1130ltr/min).

Female Threaded



Type	Thread Size	Order Code KBE-259
Standard	G1/4"	-6940Y
	G3/8"	-6946F

Male Threaded

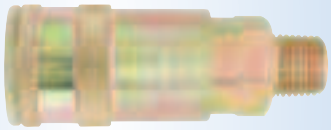


Type	Thread Size	Order Code KBE-259
Standard	G1/4"	-6944D

'Vertex' Couplings

With slim profile, double locking action and additional collar to prohibit dirt ingress. Designed for trailing hoses.

Male Threaded



Type	Thread Size	Order Code KBE-259
Vertex	G1/4"	-6983A

Coupling Adaptors

Designed for use with Kobe airline couplings. 'Third level' zinc plated for protection against corrosion.

Female Threaded

For connecting a **Standard**, **Vertex** or **Safeflow** coupling to a male threaded fitting.



Type	Thread Size	Order Code KBE-259
Female	G1/4"	-6992X

Male Threaded

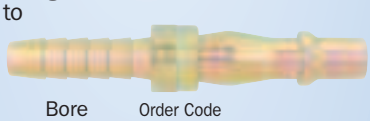
For connecting a **Standard**, **Vertex** or **Safeflow** coupling to a female threaded fitting.



Type	Thread Size	Order Code KBE-259
Male	G3/8"	-6996D

Integral Tailpiece

For connecting a **Standard**, **Vertex** or **Safeflow** coupling to a hose.



Type	Bore Size	Order Code KBE-259
Tailpiece	1/4"	-6983P
	3/8"	-6984T

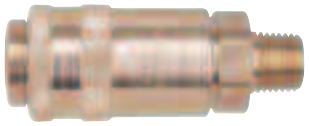
PCL 'Standard' Couplings

Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC21CF02	G1/4"	-1940Y
AC21EF	G3/8"	-1946F
AC21JF	G1/2"	-1946R

Male Threaded



Product Number	Thread Size	Order Code PCL-259
AC21CM	G1/4"	-1944D
AC21EM	G3/8"	-1946K
AC21JM	G1/2"	-1946W

Integral Tailpiece



Product Number	Thread Size	Order Code PCL-259
AC21T02	G3/8"	-1948D

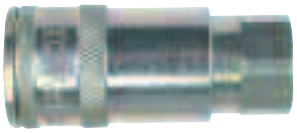
'Vertex' Couplings

Male Threaded



Product Number	Thread Size	Order Code PCL-259
AC91CM	G1/4"	-1983D

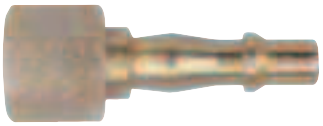
Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC91CF	G1/4"	-1983A

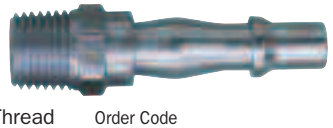
Coupling Adaptors

Female Threaded



Product Number	Thread Size	Order Code PCL-259
ACA2746	G1/4"	-1992X
ACA6582	G3/8"	-1996B

Male Threaded



Product Number	Thread Size	Order Code PCL-259
ACA2746	G1/4"	-1985R
ACA6582	G3/8"	-1996D

Integral Tailpiece



Product Number	Bore Size	Order Code PCL-259
ACA1793	1/4"	-1983P
ACA2487	5/16"	-1984Q
ACA2488	3/8"	-1984T

'SafeFlow' Couplings

Safe and simple to use. Enhances workshop safety - prevents hose whip. Creates a safe compressed air environment. Two stage self-venting release. Hard wearing steel construction with corrosive resistant finish. Conforms to **ISO 4414:1998** and **EN 983:1996.** Genuine PCL product, designed and manufactured in Sheffield, England. **Compatible with standard adaptors.**

Female Threaded



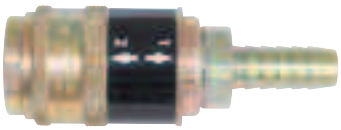
Product Number	Thread Size	Order Code PCL-259
SC21CF	G1/4"	-4518T
SC21EF	G3/8"	-4521B
SC21JF	G1/2"	-4523D

Male Threaded



Product Number	Thread Size	Order Code PCL-259
SC21CM	G1/4"	-4520A
SC21JM	G1/2"	-4524E

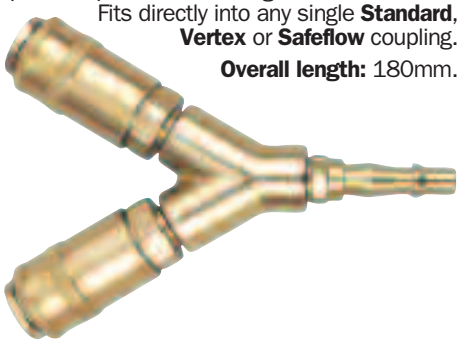
Integral Tailpiece



Product Number	Bore Size	Order Code PCL-259
SC21R	1/4"	-4528M

Twin Coupling Assembly

A quick and easy solution to providing two operation points from a single air line.
Fits directly into any single **Standard**, **Vertex** or **Safeflow** coupling.
Overall length: 180mm.



Product Number	Coupling Style	Order Code PCL-259
AC6103	Standard	-1981A
AC6503	Vertex	-1981L





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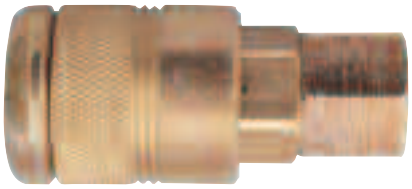
PCL '60 Series' Couplings

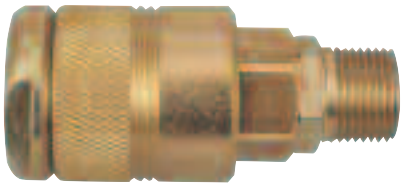
Designed for general industrial applications - free flow air rate at 7bar/100psi: **55 to 60cfm** (1557 to 1698ltr/min). All steel construction with hard wearing passivate finish.
Hardened steel shoulder to prevent accidental disconnection in use.

Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC4CF	G1/4"	-1980L
AC4EF	G3/8"	-1958T

Male Threaded

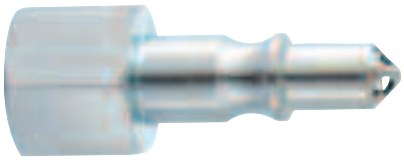


Product Number	Thread Size	Order Code PCL-259
AC4EM	G3/8"	-1959V
AC4JM	G1/2"	-1960B

60 Series Coupling Adaptors

Case hardened with hard wearing passivate finish for use with '60 Series' couplings.

Female Threaded
For connecting a 60 Series coupling to a male threaded fitting.



Product Number	Thread Size	Order Code PCL-259
ACA2653	G1/4"	-1986D

Male Threaded
For connecting a 60 Series coupling to a female threaded fitting.



Product Number	Thread Size	Order Code PCL-259
ACA2657	G1/4"	-1986M
ACA2661	G3/8"	-1988T

Integral Tailpiece
For connecting a 60 Series coupling to a hose.

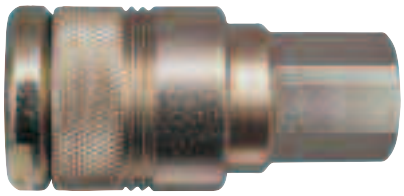


Product Number	Thread Size	Order Code PCL-259
ACA2658	G1/4"	-1986P
ACA2659	G3/8"	-1986R

'100 Series' Couplings (Hi-Duty)

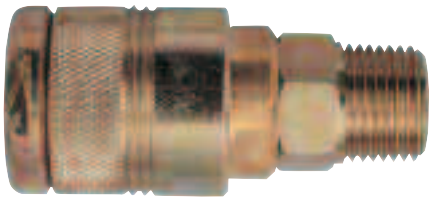
Large diameter allows greater airflow making them suitable for industrial applications - free air flow rate at 7bar/100psi: **100 to 120cfm** (2830 to 3400ltr/min). All steel construction with hardened shoulder protects against accidental disconnection.
Hard wearing passivated zinc finish.

Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC5EF	G3/8"	-1980N
AC5JF	G1/2"	-1980T

Male Threaded



Product Number	Thread Size	Order Code PCL-259
AC5EM	G3/8"	-1980Q
AC5JM	G1/2"	-1980X

100 Series Coupling Adaptors

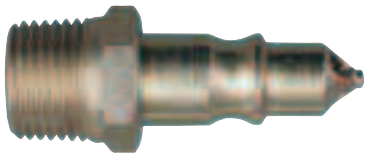
Case hardened with hard wearing passivate finish. For use with '100 Series' type couplings.

Female Threaded
For connecting a 100 series coupling to a male threaded fitting.



Product Number	Thread Size	Order Code PCL-259
ACA2994	G3/8"	-1994M

Male Threaded
For connecting a 100 series coupling to a female threaded fitting.



Product Number	Thread Size	Order Code PCL-259
ACA2999	G3/8"	-1994W
ACA3035	G1/2"	-1995G

Integral Tailpiece
For connecting a 100 series coupling to a hose.



Product Number	Hose Size	Order Code PCL-259
ACA3036	1/2" Bore	-1995J
ACA3037	3/8" Bore	-1995L

KOBE XF Series Couplings

Euro 130
Offering increased airflow and enhanced tool efficiency. Heavy duty steel construction with corrosive resistant finish. Free air flow rate at 7bar/100psi: - **130cfm.** Steel shoulder prevents accidental disconnection.
Compatible with Euro adaptor styles CEJN320, RECTUS 25 and 26 series.

Nominal bore: 7.4mm.
Flow rate @6bar: 2200l/min @0.5bar p.d.
Max. working pressure: 35 bar. (508lbf/in²).
Temperature range: -40°C to 100°C.

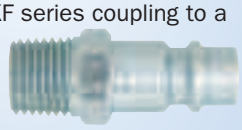
Female Threaded



Type	Thread Size	Order Code KBE-259
Euro 130	G1/4"	-6981H

XF Series (Euro 130) Adaptors

Male Threaded
For connecting an XF series coupling to a female threaded fitting.



Type	Thread Size	Order Code KBE-259
Standard	G1/4"	-6102A

PCL XF Series (Euro 130) Couplings

Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC71CF	G1/4"	-1981H
AC71EF	G3/8"	-1981M
AC71JF	G1/2"	-1981T

Male Threaded



Product Number	Thread Size	Order Code PCL-259
AC71CM	G1/4"	-1981K
AC71EM	G3/8"	-1981P
AC71JM	G1/2"	-1981W

XF Series (Euro 130) Adaptors

Female Threaded



Product Number	Thread Size	Order Code PCL-259
AA7102	G1/4"	-1102A
AA7103	G3/8"	-1103C
AA7104	G1/2"	-1104E

Male Threaded



Product Number	Thread Size	Order Code PCL-259
AA7106	G1/4"	-1106K
AA7107	G3/8"	-1107M
AA7108	G1/2"	-1108P

Integral Tailpiece



Product Number	Bore Size	Order Code PCL-259
AA7110	1/4"	-1110R
AA7112	3/8"	-1112B
AA7113	1/2"	-1113C

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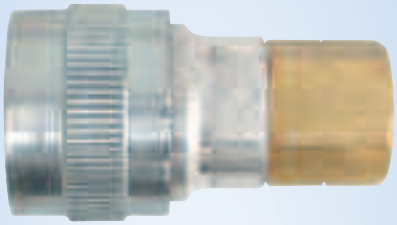
KOBE 'Schrader' Couplings

High flow, quick release couplings with locking facility to prevent accidental disconnection. Corrosive resistant finish. Free air flow rate at 7bar/100psi: **50cfm (1400ltr/min)**.

Female Threaded



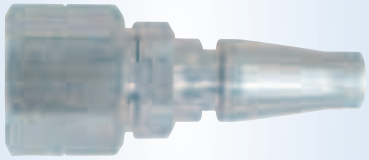
Thread Size	Thread Type	Order Code KBE-259
G1/4"	Female	**-7002A**

'Schrader' Coupling Adaptors

Corrosive resistant finish. For use with Shrader airline couplings.

Female Threaded

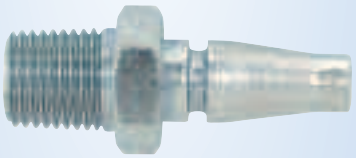
For connecting a Schrader coupling to a male threaded fitting.



Thread Size	Thread Type	Order Code KBE-259
G1/4"	Female	**-6998J**

Male Threaded

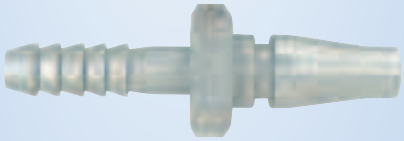
For connecting a Schrader coupling to a female threaded fitting.



Thread Size	Thread Type	Order Code KBE-259
G1/4"	Male	**-6998G**

Integral Tailpiece

For connecting a Schrader coupling to a hose.



Bore Size	Thread Type	Order Code KBE-259
1/4"	Tailpiece	**-6998A**

PCL PF Series Adaptor

A competitive alternative to the genuine Schrader. With a corrosive resistant finish and case hardened for longer life.

Male Threaded

For connecting a Schrader coupling to a female threaded fitting.

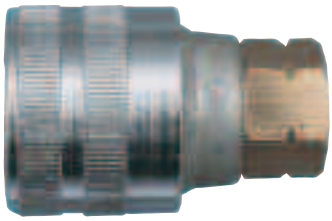


Product Number	Thread Size	Order Code PCL-259
AA7702	1/4" BSPT	**-1702B**

PCL Genuine 'Schrader' Couplings

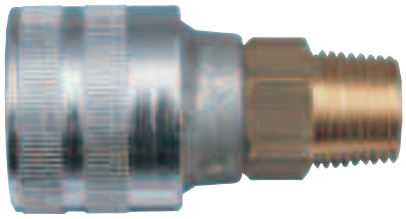
High flow, quick release couplings with locking facility to prevent accidental disconnection. Corrosive resistant finish. Free air flow rate at 7bar/100psi: **50cfm (1400ltr/min)**.

Female Threaded



Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/4"	45mm	120g	**-2002A**

Male Threaded



Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/4"	55mm	130g	**-2002C**
G3/8"	60mm	135g	**-2002E**

Genuine 'Schrader' Coupling Adaptors

Case hardened, zinc finish. For use with 'Schrader' type couplings.

Female Threaded

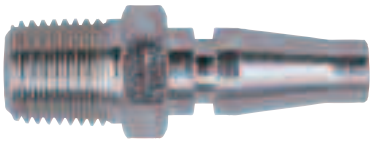
For connecting a Schrader coupling to a male threaded fitting.



Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/4"	46mm	25g	**-1998J**

Male Threaded

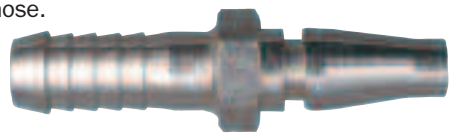
For connecting a Schrader coupling to a female threaded fitting.



Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/4"	46mm	35g	**-1998G**

Integral Tailpiece

For connecting a Schrader coupling to a hose.

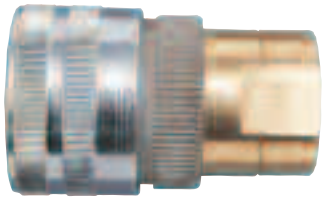


Bore Size	Overall Length	Weight each	Order Code PCL-259
1/4"	65mm	10g	**-1998A**
5/16"	60mm	25g	**-1998E**
3/8"	60mm	25g	**-1998C**

Genuine 'Schrader' Heavy Duty Couplings

High flow, quick release couplings with locking facility to prevent accidental disconnection. Swivel facility eliminates hose kinking. Free air flow rate at 7bar/100psi: **110cfm (3080ltr/min)**.

Female Threaded



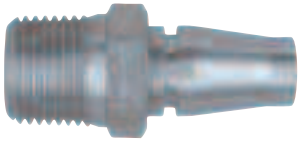
Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/4"	60mm	750g	**-2003F**

Genuine 'Schrader' Heavy Duty Coupling Adaptors

Case hardened, zinc finish. For use with 'Schrader' Type Heavy Duty couplings.

Male Threaded

For connecting a Schrader Heavy Duty coupling to a female threaded fitting.



Thread Size	Overall Length	Weight each	Order Code PCL-259
G1/2"	55mm	85g	**-1999W**

Integral Tailpiece

For connecting a Schrader Heavy Duty coupling to a hose.



Bore Size	Overall Length	Weight each	Order Code PCL-259
3/8"	72mm	45g	**-1999R**
1/2"	72mm	65g	**-1999T**

InstantAir Couplings & Adaptors

Original and genuine Broomwade bayonet fittings. Steel bayonet, preventing accidental disconnection. Suitable for most fixed compressed air applications, although swivel adaptors are recommended for hose applications.

Nominal bore: 5.6mm.
Maximum flow rate: 54cfm @100lbf/in².
Maximum working pressure: 17bar (250lbf/in²).
Temperature range: -20°C to 80°C.

InstantAir Couplings



Product Number	Thread Size	Order Code PCL-259
AA5106	G1/4" Female	**-1006M**
AA5102	G1/4" Male	**-1002H**

InstantAir Adaptors
Female Threaded



Product Number	Thread Size	Order Code PCL-259
AC51CF	G1/4"	**-1980Z**

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KENNEDY Ball Valves

Pressure range: 0 to +10bar.
Temperature range: -25 to +90°C.

Female to Male



Product Number	Thread Size	Order Code KEN-259
VAB1FM	G1/8 - G1/8	-7200K
VAB2FM	G1/4 - G1/4	-7210K
VAB3FM	G3/8 - G3/8	-7220K
VAB4FM	G1/2 - G1/2	-7230K

Female to Female

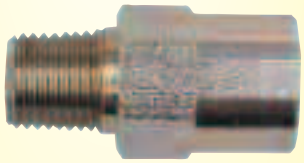


Product Number	Thread Size	Order Code KEN-259
VB2FF	G1/4 - G1/4	-7310K
VB3FF	G3/8 - G3/8	-7320K
VB6FF	G3/4 - G3/4	-7340K

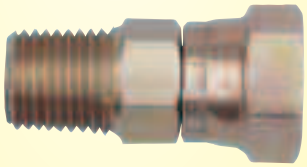
NPT-BSP Adaptors

Specially designed to allow British Standard airline couplings and adaptors to be fitted to 1/4" NPT threaded air tools. Also suitable for use in hydraulic lines and coolant flow systems. Passivated zinc finish for double protection against corrosion.

Fixed



Swivel



Type	BSP x NPT	Order Code KEN-259
Fixed	1/4" x 1/4"	-4900K
Swivel	1/4" x 1/4"	-4950K

PCL Flexible Elbow

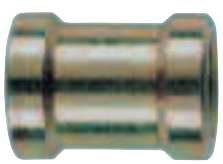
Designed to eliminate hose kinks.



Product Number	Thread Size	Order Code PCL-259
FE101	1/4" BSPT	-3131B

Parallel Socket

Female to Female

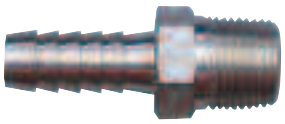


Product Number	Thread Size	Order Code PCL-259
HC6889	1/4" BSPT	-3369R

PCL Tailpieces & Connectors

Case hardened with zinc finish.

Male Threaded Tailpieces
For connecting a hose to a female threaded fitting.



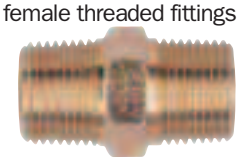
Product Number	Thread Size	Bore Size	Order Code PCL-259
HC5656	G1/4"	1/4"	-3368N
HC1206		5/16"	-3355T
HC1217		3/8"	-3360M
HC2479		1/2"	-3362A
HC6904	G3/8"	1/4"	-3371T
HC2951		3/8"	-3365D
HC2808		1/2"	-3364C
HC2954	G1/2"	1/2"	-3365H

Double-Ended Tailpieces
For joining two lengths of hose or repairing a hose.



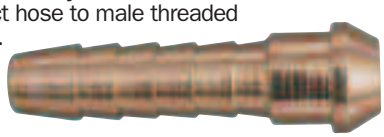
Product Number	Bore Size	Order Code PCL-259
HC2983	1/4" x 1/4"	-3365P
HC2985	3/8" x 3/8"	-3365T
HC2986	1/2" x 1/2"	-3365W

Male Threaded Unions
For connecting female threaded fittings of the same size.



Product Number	Thread Size (G)	Order Code PCL-259
HC6560	1/4" x 1/4"	-3368X
HC4281	3/8" x 3/8"	-3366R
HC6898	1/2" x 1/2"	-3370G

Coned Tailpieces
For use in conjunction with union nuts to connect hose to male threaded fittings.



Product Number	Bore Size	Order Code PCL-259
HC5275	1/4"	-3367W
HC1225	3/8"	-3360W

Union Nuts
For use in conjunction with coned tailpieces to connect hose to male threaded fittings.



Product Number	Bore Size	Order Code PCL-259
HC5194	1/4"	-3367H
HC1226	3/8"	-3360Y

Female Threaded Y-Piece
For creating two airlines from a single supply.

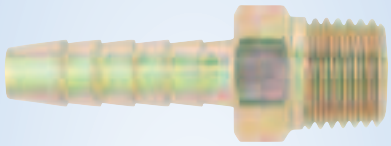


Product Number	Thread Size	Order Code PCL-259
SPR4279	G1/4"	-4420D

KOBE Tailpieces & Connectors

Designed for use with KOBE airline couplings. 'Third Level' Zinc plated for protection against corrosion.

Male Threaded Tailpieces
For connecting a hose to a female threaded fitting.



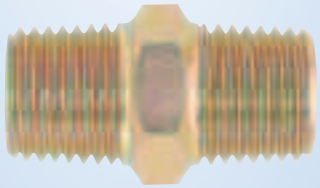
Thread Size	Bore Size	Order Code KBE-259
G1/4"	1/4"	-8368N
	3/8"	-8360M
	1/2"	-8362A
G3/8"	3/8"	-8365D

Double-Ended Tailpieces
For joining two lengths of hose or repairing a hose.



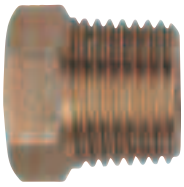
Bore Size	Order Code KBE-259
3/8" x 3/8"	-8365T

Male Threaded Unions
For connecting female threaded fittings of the same size.



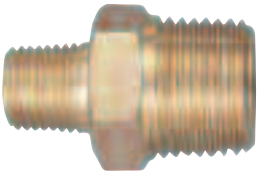
Bore Size (G)	Order Code KBE-259
1/4" x 1/4"	-8368X

Male to Female Threaded Reducing Unions
For connecting female threaded fittings to male threaded fittings of a smaller size.



Product Number	Thread Size (G)	Order Code PCL-259
HC6895	3/8" x 1/4"	-3370A
HC6896	1/2" x 1/4"	-3370C
HC6897	1/2" x 3/8"	-3370E

Male Threaded Reducing Unions
For connecting female threaded fittings of different sizes.



Product Number	Bore Size (G)	Order Code PCL-259
HC6899	3/8" x 1/4"	-3370K
HC6900	1/2" x 1/4"	-3370M
HC6901	1/2" x 3/8"	-3370S

ABRASIVES & POWER TOOLS

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KOBE Air Spray Guns

For Industrial and automotive use.
Large responsive trigger, adjustable width of spray and flow control adjustment.
Quick release bayonet fitting canisters.

Max operating pressure:
Suction/gravity: 2 - 3.5bar.
Air consumption:
Suction/gravity feed:
180 - 280ltr/min.
Pot capacities:
680cc.



Gravity Feed



Suction Feed

Type	Nozzle (mm)	Order Code KBE-259
Suction	2.0	-2150K
Gravity	1.5	-2055K

KOBE STAR Spare Pots

Only suitable with Kobe Star spray guns.



Feed Type	Weight each	Order Code STA-259
Gravity (600cc)	100g	-1500A
Suction (1000cc)	50g	-1510B
Set of No. 4 Baffles & No. 7 Cup Gaskets	10g	-2500A

KOBE STAR Suction Feed Spray Guns

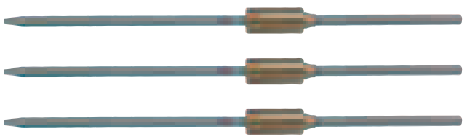
Standard/Professional
Well balanced with large, responsive triggers, and adjustable width of spray. For horizontal or vertical use with cellulose enamel or acrylic paints etc. Both with ¼" NPT male fittings. 30 - 70psi, 7 - 12cfm.
Standard model is suitable for applying base coats.
Professional is suitable for applying finishing coats.

Weight: 1.3kg.



Nozzle (mm)	Max.Spray Pattern	Order Code STA-259
Standard		
1.4	240mm	-1000A
1.8	280mm	-1010B
Professional		
1.5	255mm	-1200D
2.0	265mm	-1210E

Spare Needles



Feed Type	Size (mm)	Weight each	Order Code STA-259
Gravity	1.4	10g	-2120M
Suction	1.4	15g	-2100K
	1.8	16g	-2110L
Suction	1.5	15g	-2130N
	2.0	15g	-2140P

Spare Air Caps

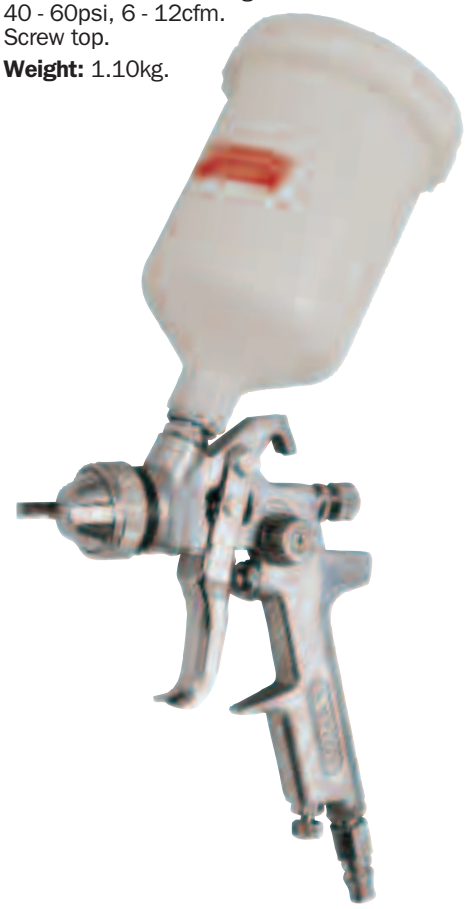


Feed Type	Size (mm)	Weight each	Order Code STA-259
Gravity	1.5	50g	-2020H
Suction	1.4 & 1.8	100g	-2000F
	1.4	50g	-2010G
Suction	2.0	50g	-2030J

Gravity Feed Spray Gun

Professional
Well balanced with large, responsive trigger and adjustable width of spray.
For horizontal or vertical use with cellulose enamel or acrylic paints etc.
With ¼" NPT male fittings.
40 - 60psi, 6 - 12cfm.
Screw top.

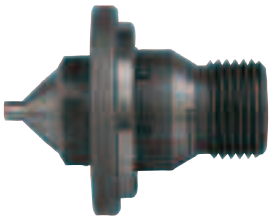
Weight: 1.10kg.



Nozzle (mm)	Max. Spray Pattern	Order Code STA-259
1.4	195mm	-1100C
Spare Filter for STA259-1100C		-2060S

Spray Gun Accessories

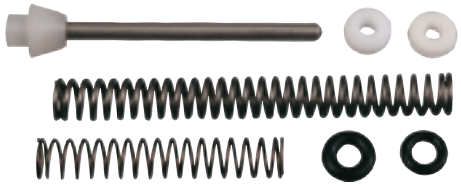
Spare Nozzles



Feed Type	Size (mm)	Weight each	Order Code STA-259
Gravity	1.4	35g	-2220S
Suction	1.4	30g	-2200Q
	1.8	30g	-2210R
Suction	1.5	25g	-2230N
	2.0	25g	-2240P

Repair Kit

Includes replacement air valve, valve spring, needle spring and O-rings.



Feed Type	Size (mm)	Weight each	Order Code STA-259
Gravity	1.5	14g	-2310V
Suction	1.4 & 1.8	11g	-2300T
Suction	1.5 & 2.0	15g	-2320W

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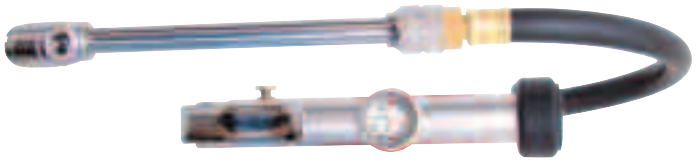
KENNEDY Heavy Duty Tyre Inflator with Gauge

This heavy duty push on inflator is of rugged construction and has a clearview integral pressure gauge reading from 10 - 120psi. Heavy duty corrosion resistant body with brass fittings.
300psi rated fibre reinforced rubber hose.
Conforms to EC Directive 86/217/EEC.
Accuracy:
Reading scale: 2psi/50kPa (0.5bar).
Inflation range: 120psi/800kPa (8bar).





Model Number	Max. Pressure Reading	Weight each	Order Code KEN-503
TPG170	120psi/800kPa	635g	**-8520K**

Heavy Duty Dial Type Tyre Inflator

This push on type tyre inflator is robust and has a dial type pressure gauge reading up to a maximum of 170psi. The pressure gauge is protected from accidental damage by a rubber shock guard.
Heavy duty corrosion-resistant body with steel operating lever, brass fittings and anti-shock rubber guard. 300psi rated fibre reinforced rubber hose.
Conforms to EC Directive 86/217/EEC.
Accuracy:
Reading scale:
2psi/10kPa (0.1bar).
Inflation range:
170psi/1200kPa (12bar).



Model Number	Max. Pressure Reading	Weight each	Order Code KEN-503
TPG170	170psi/1200kPa	720g	**-8480K**

KOBE Blow Guns

Ideal for awkward and general air dusting jobs. 110mm long angled nozzle allowing projection of airflow directly to required area. Ergonomic design with trigger style operation. Lightweight and impact resistant nylon body with hanging point and integral air control valve. ¼" brass BSPT inlet.
Minimum working pressure 3bar/43psi.
Safe working pressure 10bar/150psi.



Temperature Range	Weight each	Order Code KBE-259
-10 to 50°C	120g	**-5000K**
-17 to 37°C	230g	**-5010K**

Flexible Extension
The extended flexible nozzle can be bent into any position to allow you to direct the air flow to exactly the area you require it in.
Suitable for use with standard and plastic blow guns.



Overall Length	Weight each	Order Code KEN-259
250mm	10g	**-5100K**

KENNEDY Blow Gun

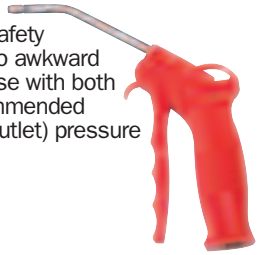
Manufactured from bright nickel chrome plated die cast alloy for a long trouble free life. Complete with safety nozzle as standard. ¼" NPT air inlet. Normal working pressure with safety nozzle intact is 90psi. If safety nozzle is removed a safe working pressure of 30psi is recommended.



Overall Length	Weight each	Order Code KEN-259
100mm	140g	**-5050K**

Pistol Grip Blow Gun

Moulded anti-slip body made from a special acetalic resin to resist damage, staining and contamination with a 100% brass inner valve. The blow gun adjusts the airflow gradually for delicate working.
With 110mm Long safety nozzle for access into awkward areas. Suitable for use with both air and water. Recommended maximum working (outlet) pressure of 2bar/30psi).



Nozzle Length	Weight each	Order Code PCL-259
110mm	105g	**-2404H**

Pistol Grip Blow Gun

Manufactured from high quality die-cast alloy, giving the tool a long trouble-free life. Robust/compact design. Supplied with interchangeable conical and safety nozzles. Extensive, easy to fit, additional nozzle range.



Type	Weight each	Order Code PCL-259
Blow Gun	235g	**-2320R**
Safety Nozzle	11g	**-2461H**

PCL Blow Gun

Made from die cast alloy for long trouble-free life. Inlet thread ¼" BSPT. Health and safety regulations dictate that an in-line regulator should be used to restrict pressure to 28psi.

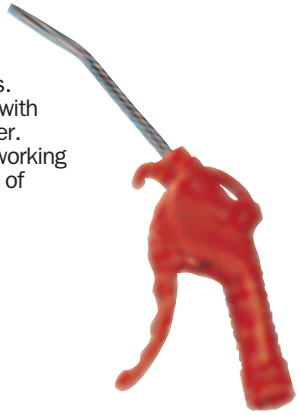
Standard Grip
With safety nozzle.



Product Number	Weight each	Order Code PCL-259
BG106	200g	**-2106A**

Plastic Blow Guns

The body is moulded from a special acetalic resin to resist damage, staining and contamination with a 100% brass inner valve. The blow gun adjusts the airflow gradually for delicate working. Also available with a 230mm extension nozzle that can be cut and bent to suit user applications. Suitable for use with both air and water. Recommended working (outlet) pressure of 2bar/30psi.



Product Number	Nozzle Length	Order Code PCL-259
BG5002	110mm	**-2402G**
BG5007	230mm	**-2407M**

Rigid Extension Nozzle
Suitable for use with both standard and plastic blow guns.



Overall Length	Weight each	Order Code PCL-259
230mm	30g	**-2466K**

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KOBE 2-speed Magnetic Drilling Machine

Suitable for industrial use, this compact 2-speed machine can drill holes up to 50mm diameter. It has powerful magnets with a clamping force of 17,000N/1,730kg/3,800lbs and comes supplied with safety guard, coolant tank, safety chain and portable case.

Cutter capacity: up to 50mm diameter x 50mm.
Twist drill: 13mm diameter x 140mm.
Countersink: 65mm diameter.
Cutter arbor: quick release arbor.
Weldon shank: 19mm.
Dimensions:
438 x 280 x 255mm.

NEW





Model Number	No Load Speed	Voltage	Weight each	Order Code KBE-268
DMM2Si	300-450	230V	15.28kg	**-2828K**

4-speed Magnetic Drilling Machine

Compact and easy to use, this 4-speed variable machine is powerful enough to drill holes up to 120mm diameter. Has a clamping force of 32,000N/3,263kg/7,190lbs and is supplied with safety guard, coolant tank, safety chain and portable case. Suitable for industrial use.
Cutter capacity: up to 120mm diameter x 50mm.
Twist drill capacity: 32mm diameter x 140mm.
Taps capacity: up to 32mm diameter x 40mm (with adaptor).
Weldon shank: 19mm.
Dimensions: 570 x 250 x 330mm.

NEW







Model Number	No Load Speed	Voltage	Weight each	Order Code KBE-268
DMM4VSi	115-450	230V	30.0kg	**-2848K**

Magnetic Drilling & Milling Machines

Suitable for light industrial use, these machines have a powerful 1200W motor providing enough power to drill holes up to 35mm diameter. They have a gravity feed coolant bottle, 13mm chuck, key and weldon adaptor, safety chain, drilling guard and hexagon keys.

Motor: 1200W. **Speed:** 595rpm.
Arbor: 19mm weldon. **Chuck size:** 13mm.
Magnetic adhesion: 13,000N.
Dimensions (H x W x D):
390 x 260 x 100mm.
Drilling capacities:
core drill 12 - 35mm,
twist drill 1.5 - 13mm,
countersink 10 - 40mm.
Cutting depth: 50mm.
Stroke: 165mm.







Model Number	No Load Speed	Voltage	Weight each	Order Code KBE-268
DMM3050i	595rpm	230V	13.5kg	**-4220K**

MAGTRON Two Speed Variable Milling/ Drilling System

MBE40
Has a unique two speed power unit with variable speed control and a powerful magnet with a clamping force of 1,410kg/3,100lbs. Automatic safety is provided by revolutionary electronic switching system, supplied with two morse taper arbor, morse taper drift, safety chain, carabina hook, cutting oil, hexagon keys and carry case.

Dimensions (H x W x L): 418 x 100 x 281mm.
Power input: 1,050W.





Capacities (mm) Drilling	Milling	No Load Speed	Voltage	Weight each	Order Code KEN-268
3 - 23	13 - 45	280 - 640	240V	18.0kg	**-7020K**

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Mini-Mag Bore & Drilling System

MB30

Has an Hitachi power unit and a powerful magnet with a clamping force of 1,000kg/2,200lbs. A safety relay and an automatic cut-out gives maximum operator protection. Supplied with arbor and support, safety chain, carabina hook, cutting oil, chuck and key, allen keys and carrying case. 240V.

Power input: 750W.
No load speed: 550rpm.

Dimensions (H x W x L): 295 x 100 x 235mm.



Capacities (mm)		Weight	Order Code
Drilling	Milling	each	**KEN-268**
3 - 16	13 - 32	10.0kg	**-4520K**

Variable Speed Milling/ Drilling System

MBE100

Unique power unit gives constant torque and speed regulation even under load. Powerful magnet has a clamping force of 1,410kg/3,100lbs. This machine has a slow start and infinite variable speed. It has a slipping clutch to protect against breakage of cutters and comes complete with an oil coolant system to automatically lubricate the cutters. Gearbox is mounted directly onto the cradle for extra rigidity. Supplied with three morse taper arbor, morse drift key, safety chain, carabina hook, hexagon keys, carry case. 240V.

Power input: 1,800W.
No load speed: 160 - 450rpm.
Dimensions (H x W x L): 500 x 135 x 312mm.



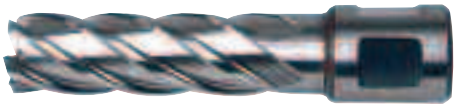
Capacities (mm)		Weight	Order Code
Drilling	Milling	each	**KEN-268**
3 - 32	13 - 100	26.0kg	**-7120K**

M2 Multi-Tooth Milling Cutters

Proven value and success based upon the low energy required to cut more holes accurately with extended tool life. The cutter is designed to enable a faster feed rate with lower cutting resistance, resulting in consistency of finish and tolerance.

Sizes available: 2 - 52mm diameter short and 13 - 52mm diameter long series.

Long Series
Shank diameter: 19mm/¾".
Depth of cut: 50mm.
Bore: 6mm.
Overall length: 85mm.



Diameter (mm)	Weight each	Order Code **KEN-288**
13	80g	**-2130K**
14	80g	**-2140K**
15	90g	**-2150K**
16	90g	**-2160K**
17	100g	**-2170K**
18	110g	**-2180K**
19	110g	**-2190K**
20	120g	**-2200K**
21	130g	**-2210K**
22	130g	**-2220K**
23	130g	**-2230K**
24	140g	**-2240K**
25	150g	**-2250K**
26	160g	**-2260K**
27	160g	**-2270K**
28	170g	**-2280K**
29	180g	**-2290K**
30	180g	**-2300K**
31	190g	**-2310K**
32	190g	**-2320K**
33	210g	**-2330K**
34	210g	**-2340K**
35	210g	**-2350K**
36	220g	**-2360K**
38	260g	**-2380K**
39	260g	**-2390K**
40	260g	**-2400K**
41	260g	**-2410K**
42	260g	**-2420K**
43	280g	**-2430K**
44	300g	**-2440K**
45	320g	**-2450K**
46	280g	**-2460K**
48	400g	**-2480K**
50	360g	**-2500K**
52	520g	**-2520K**

M2 Multi-Tooth Milling Cutter Set

Short Series

Compatible with all magnetic drilling and broaching units. Complete with pilot pin and fitted case.

Shank diameter: 19mm/¾".
Bore: 6mm.
Depth of cut: 25mm.
Overall length: 60mm.
Sizes: 14, 16, 18, 20, 22 and 24mm.



Number of Pieces	Weight each	Order Code **KEN-288**
6	800g	**-3000K**

Morse Taper Adaptors

For use with Magtron broaching units, drill presses, lathes etc.

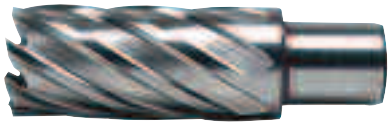
Bore diameter: 20mm.
Overall length: 156mm.



Adaptor	Weight each	Order Code **KEN-288**
No.2 MT	0.6kg	**-4120K**
No.3 MT	1.0kg	**-4130K**



Short Series
Shank diameter: 19mm/¾".
Depth of cut: 25mm.
Bore: 6mm.
Overall length: 60mm.



Diameter (mm)	Weight each	Order Code **KEN-288**
12	70g	**-1120K**
13	70g	**-1130K**
14	70g	**-1140K**
15	75g	**-1150K**
16	80g	**-1160K**
17	80g	**-1170K**
18	85g	**-1180K**
19	90g	**-1190K**
20	90g	**-1200K**
21	100g	**-1210K**
22	100g	**-1220K**
23	120g	**-1230K**
24	110g	**-1240K**
25	110g	**-1250K**
26	120g	**-1260K**
27	120g	**-1270K**
28	130g	**-1280K**
29	135g	**-1290K**
30	140g	**-1300K**
31	150g	**-1310K**
32	150g	**-1320K**
33	160g	**-1330K**
34	160g	**-1340K**
35	170g	**-1350K**
36	170g	**-1360K**
38	180g	**-1380K**
39	185g	**-1390K**
40	190g	**-1400K**
42	220g	**-1420K**
43	260g	**-1430K**
44	220g	**-1440K**
45	220g	**-1450K**
50	240g	**-1500K**
52	290g	**-1520K**

Pilot Pins

For use with all multi-tooth milling cutters with 6mm bore. Pilots locate into pre-drilled pilot holes ensuring positional accuracy of the cutter. Suitable for 'blind' or 'through' pilot holes, pin will retract into cutter adaptor on 'bottoming'.

Short series: 77mm.
Long series: 102mm.



* For 12mm cutters only

Description	Weight each	Order Code **KEN-288**
Short Series	15g	**-4010K**
Short Series*	15g	**-4050K**
Long Series	20g	**-4020K**
Long Series*	20g	**-4060K**

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KOBE

AIR CORDLESS ELECTRIC

KOBE RED LINE

INDUSTRY DESIGNED FOR INDUSTRY

Offering high quality and superb value combined with the design elements of a modern industrial classic.



Industrial Quality



Classically Styled



High Quality & Superb Value

KOBE GREEN LINE

OPERATOR FRIENDLY

Ergonomically designed with operator friendly features for improved comfort throughout longer periods of use.



Professional Quality



Ergonomically Designed



Packed with Features

KOBE BLUE LINE

CONTINUOUS USE

Higher specification offering user comfort and maximum durability - designed for continuous use..



Extra Heavy Duty



Operator Friendly Features

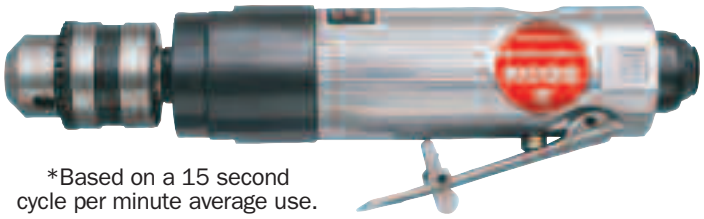


Highest Specification

KOBE 10mm Straight Drill

DS4510L
10mm Jacobs chuck, stall-resistant, safety lever throttle, high performance, planetary gearing, 3/8" - 24 spindle thread.

Air inlet thread: 1/4" NPT. **Chuck capacity:** 10mm.
Spindle thread: 3/8" - 24. **Minimum air hose size (ID):** 3/8" (10mm).
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm* (144ltr/min).
Noise level: 88dBA.
Sound power level: 95dBA.
Vibration level: 2.5m/s^2.
Overall length: 206mm.



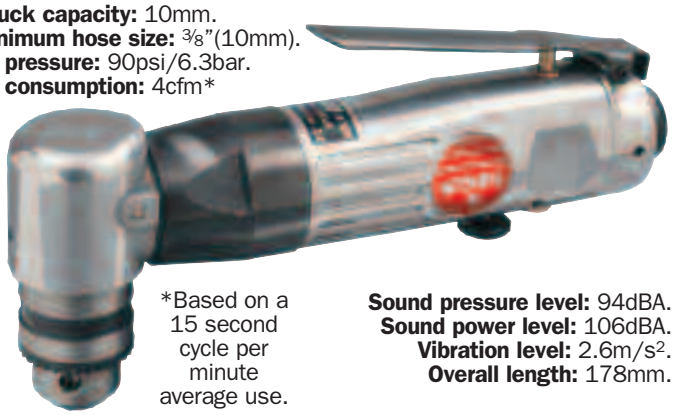
*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
4,500	0.90kg	-1450N

10mm Reversible Angle Drill

DAR1510
10mm Jacobs chuck, fingertip control of reverse, reverse exhaust, overall head height 94mm, 3/8"- 24 spindle thread.

Air inlet thread: 1/4" NPT.
Chuck capacity: 10mm.
Minimum hose size: 3/8"(10mm).
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm*



*Based on a 15 second cycle per minute average use.

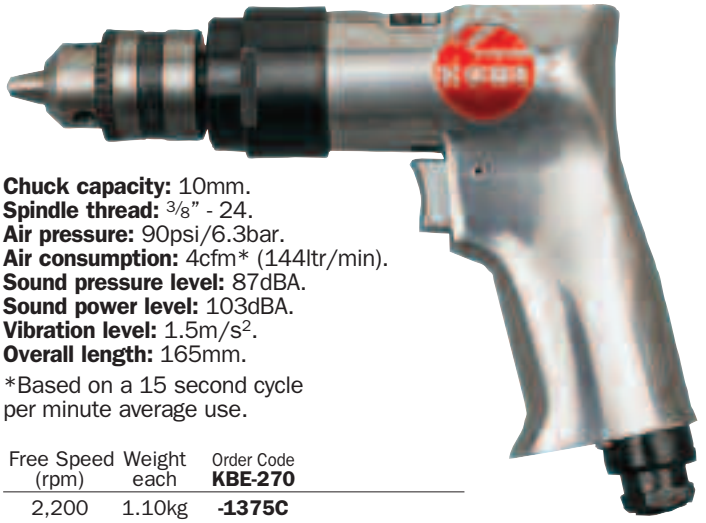
Sound pressure level: 94dBA.
Sound power level: 106dBA.
Vibration level: 2.6m/s^2.
Overall length: 178mm.

Free Speed (rpm)	Weight each	Order Code KBE-270
1,500	1.80kg	-1425M

10mm Pistol Drill

DP2210
10mm Jacobs chuck, stall resistant, heavy duty bearings, 1/2hp motor, 3/8"- 24 spindle thread.

Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).



Chuck capacity: 10mm.
Spindle thread: 3/8" - 24.
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm* (144ltr/min).
Sound pressure level: 87dBA.
Sound power level: 103dBA.
Vibration level: 1.5m/s^2.
Overall length: 165mm.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
2,200	1.10kg	-1375C

10mm Heavy Duty Pistol Drill

DP2610
10mm Jacobs chuck, stall resistant, directional front exhaust, hammer finish casing, needle bearing gears, 3/8" - 24 spindle thread.

Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Chuck capacity: 10mm.
Spindle thread: 3/8" - 24.
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm* (144ltr/min).



Sound pressure level: 87dBA.
Sound power level: 103dBA.
Vibration level: 2.5m/s^2.
Overall length: 180mm.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
2,600	0.90kg	-1390D

10mm Reversible Pistol Drill

DPR1810
10mm Jacobs chuck, stall resistant, heavy duty bearings, thumb switch for reverse, suitable for screwdriving.

Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Spindle: 3/8"- 24.
Chuck capacity: 10mm.
Spindle thread: 3/8" - 24.



Air pressure: 90psi/6.3bar.
Air consumption: 4cfm* (144ltr/min).
Sound pressure level: 85dBA.
Sound power level: 101dBA.
Vibration level: 5.4m/s^2.
Overall length: 165mm.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
1,800	1.40kg	-1400L

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KOBE 10mm Straight Air Drill

NEW

BCSD10 - 10mm Composite Straight Air Drill
Exhaust outlet adjusts 360° to direct air flow away from the operator. Compact and lightweight for ease of use in confined areas. Fast drill bit change with keyless chuck and a safety lever throttle. Ergonomic and comfortable hand grip.

Motor power: 0.45hp.
Free speed: 2,500rpm.
Chuck size: 10mm.
Air inlet thread: ¼" BSP.
Operating pressure: 90psi/6.2bar.
Minimum air hose size (ID): ⅜" (10mm).
Air consumption: 4.0cfm*.
Sound pressure level: 92dBA.
Sound power level: 110dBA.
Vibration level: 0.49m/s².
Overall length: 215mm.



*Based on a 15 second cycle per minute average use.


Keyless chuck.


Exhaust outlet adjusts 360°


Safety lever throttle


Speed adjustment.

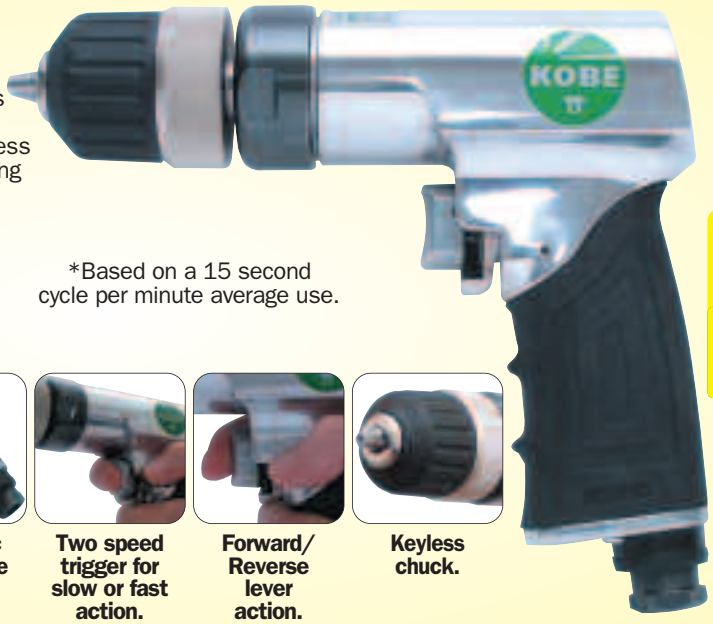
CONTINUOUS USE
Designed & Rated For Continuous Use

Free Speed (rpm)	Weight each	Order Code KBE-270
2500	1.80kg	-6050K

KOBE 10mm Reversible Pistol Drill

FPD3175
Suitable for drilling and screwdriving. Rubber handle provides grip and operator comfort. ⅜" keyless chuck. Stall resistant. Short gear case design. Heavy duty gearing system with oil-less bushing. Spring loaded rotor vanes. Rear exhaust. Ball bearing construction for a long tool life.

Chuck capacity: 10mm.
Spindle thread: ⅜" - 24.
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): ⅜" (10mm).
Air pressure: 90psi/6.2bar.
Air consumption: 3.35cfm*.
Sound pressure level: 95dBA.
Sound power level: 100dBA.
Vibration level: 0.7m/s².
Overall length: 188mm.



*Based on a 15 second cycle per minute average use.


Ergonomic comfortable grip.

Two speed trigger for slow or fast action.

Forward/ Reverse lever action.

Keyless chuck.

OPERATOR FRIENDLY
Operator Friendly Composite Handle Grip

Free Speed (rpm)	Chuck size	Order Code KBE-270
1,800	⅜" (10mm)	-2152K

KOBE 10mm Reversible Pistol Grip Drill

B2834
Use for drilling and screwdriving. Two speed trigger (slow speed when pushed halfway). Directional lever accessible from both sides for left/right handed use. 10mm (⅜") chuck included. Planetary gears for longer life and smoother running. Ergonomic comfortable grip.

Chuck size: ⅜" (10mm). **Free speed:** 1,800rpm.
Recommended air pressure: 6.2bar (90psi).
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: ¼" NPT.
Spindle thread: ⅜" - 24.
Minimum air hose size (ID): ⅜" (10mm).
Noise level†: 85dBA.
Sound power level†: 96dBA.
Vibration level #: 0.4m/s².
Overall length: 185mm.
†Per EN ISO 15744:2002.
#Per EN 28927-5.



*Based on a 15 second cycle per minute average use.

Ergonomic comfortable grip.

Two speed trigger for slow or fast action.

Forward/ Reverse lever action.

Complete with industrial chuck.

CONTINUOUS USE
Designed & Rated For Continuous Use

Free Speed (rpm)	Weight each	Order Code KBE-270
1,800	1.10kg	-4310K

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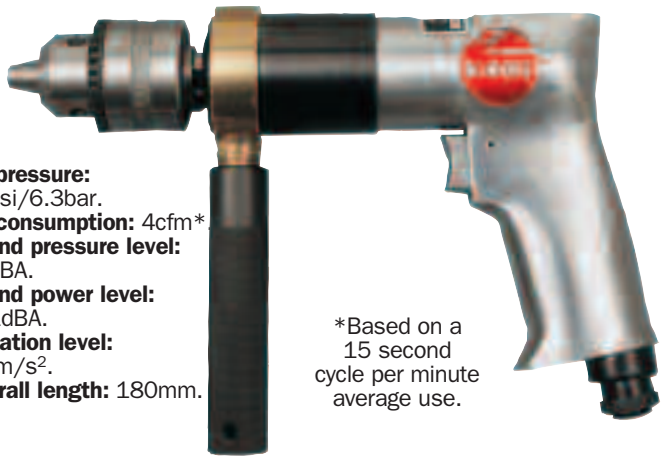
KOBE 13mm Heavy Duty Pistol Drill

DP513
13mm Jacobs chuck, high reduction gearbox, high torque, with side handle, ½hp motor.

Air inlet thread: ¼" NPT. **Minimum hose:** ⅜" (10mm).
Chuck capacity: 13mm. **Spindle thread:** ⅜" - 24.



Air pressure: 90psi/6.3bar.
Air consumption: 4cfm*
Sound pressure level: 85dBA.
Sound power level: 101dBA.
Vibration level: 5.4m/s².
Overall length: 180mm.

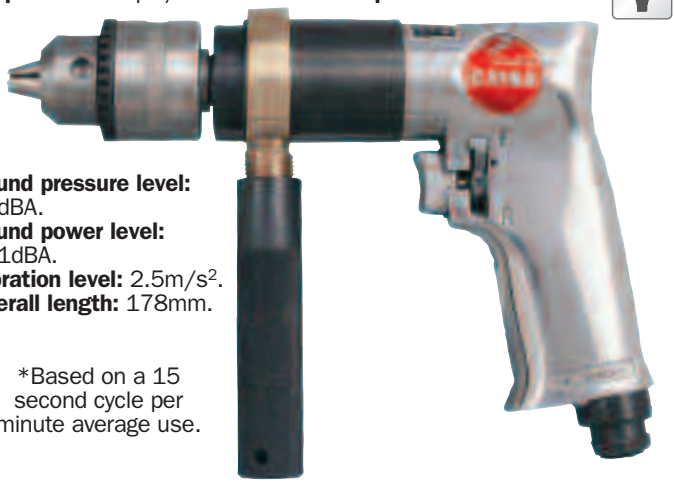
*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
500	1.80kg	-1500E

13mm Reversible Heavy Duty Pistol Drill

DPR813
13mm Jacobs chuck, thumb switch for reverse, auxiliary handle, suitable for screwdriving, heavy duty planetary gearing.

Air inlet thread: ¼" NPT. **Minimum hose :** ⅜" (10mm).
Chuck capacity: 13mm. **Spindle thread:** ⅜" - 24.
Air pressure: 90psi/6.3bar. **Air consumption:** 4cfm*.



Sound pressure level: 89dBA.
Sound power level: 101dBA.
Vibration level: 2.5m/s².
Overall length: 178mm.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
800	1.80kg	-1525F

KOBE 13mm Reversible Pistol Drill

FPD500
Suitable for high torque drilling applications as well as screwdriving, hole sawing and cylinder honing. Rubber handle provides grip and operator comfort. ½" chuck. Adjustable side handle. Short gear case design. Heavy duty gearing system with oil-less bushing. Spring loaded rotor vanes. Rear exhaust. Ball bearing construction for a long tool life.

Spindle thread: ⅜" - 24.
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): ⅜" (10mm).
Air pressure: 90psi/6.2bar.
Air consumption: 3.65cfm*.
Sound pressure level: 95dBA.
Sound power level: 100dBA.
Vibration level: 0.4m/s².
Overall length: 240mm.



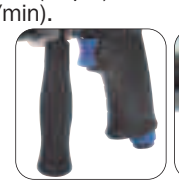
*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Chuck size	Order Code KBE-270
500	½" (13mm)	-2142K

KOBE 13mm Reversible Pistol Grip Drill

B2842
Use for drilling and screwdriving. Two speed trigger (slow speed when pushed halfway). Directional lever accessible from both sides for left/right handed use. 13mm (½") chuck and detachable side handle included. Planetary gears for longer life and smoother running. Ergonomic comfortable grip.

Chuck size: ½" (13mm). **Free speed:** 800rpm.
Recommended air pressure: 6.2bar (90psi).
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: ¼" NPT.
Spindle thread: ⅜" - 24.
Minimum air hose size (ID): ⅜" (10mm).
Noise level†: 86dBA.
Sound power level†: 93dBA.
Vibration level #: 0.4m/s².
Overall length: 218mm.
†Per EN ISO 15744:2002.
#Per EN 28927-5.


Ergonomic comfortable grip.


Two speed trigger for slow or fast action.


Forward/ Reverse lever action.


Complete with industrial chuck.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
800	1.30kg	-4330K

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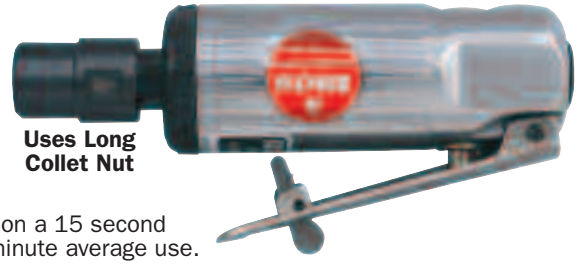
KOBE High Speed Mini Die Grinder

GD2806L

For precision engineers' mould making etc. Safety lever throttle, front exhaust, ultra compact and lightweight.

Collet size: 6mm. **Air inlet thread:** 1/4" NPT. **Minimum air hose size (ID):** 10mm (3/8"). **Air pressure:** 90psi. **Air consumption:** 4cfm*.
Sound pressure level: 94dBA.
Sound power level: 103dBA.
Vibration level: 5.0m/s².
Overall length: 120mm.



*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000	450g	-2035M

Extended Spindle Die Grinder

GES2506L

For extra reach in 'hard to get at' areas, extended spindle housing allowing two-handed operation, rear exhaust, safety lever throttle.

Collet size: 6mm. **Air inlet thread:** 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8"). **Air pressure:** 90psi.
Air consumption: 4cfm*.



Sound pressure level: 93dBA.
Sound power level: 103dBA.
Vibration level: 5.4m/s².
Overall length: 248mm.

*Based on a 15 second cycle per minute average use.

Additional Collets
To suit Kobe and similar grinders.

Collet Size	Order Code KBE-280
3mm	-0073A
1/8" (3.175mm)	-0079A
6mm	-0070A
1/4" (6.35mm)	-0076A
Collet Nut (Short)	-0064A
Collet Nut (Long)	-0067A

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000	850g	-2040N

Surface Conditioning & Finishing Kit

Multi-purpose kit containing: one of each of the following surface preparation discs - fine, medium and coarse. 2x abrasive disc grades - P36, P60, P80 and P120. 1x 6mm diameter shank to fit the backing pad. One Kobe angle die grinder with 1/4" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption. Supplied in a sturdy plastic carry case.



*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
22,000	1.25kg	-7000K

Straight Die Grinder

GD2206L

1/2hp motor delivers 22,000 precisely controllable rpm in the palm of your hand making it ideally suitable for polishing, buffing and grinding. The robust and durable single piece aluminium body houses the 1/2hp motor and precision balanced bearings provide reliability in the most demanding of industrial/ automotive applications.
The trigger has a safety catch to prevent accidental starts.

Collet size: 6mm. **Air inlet thread:** 1/4" NPT. **Minimum air hose size (ID):** 10mm (3/8"). **Air pressure:** 90psi. **Air consumption:** 4cfm*.
Sound pressure level: 93dBA. **Sound power level:** 103dBA.
Vibration level: 5.4m/s². **Overall length:** 170mm.



*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
22,000	500g	-2024K

Die Grinder Kit

GD22LK

Includes:
GD2206L, as shown below left.
With 3 and 6mm collets,
10 assorted mounted points and robust blow moulded case.



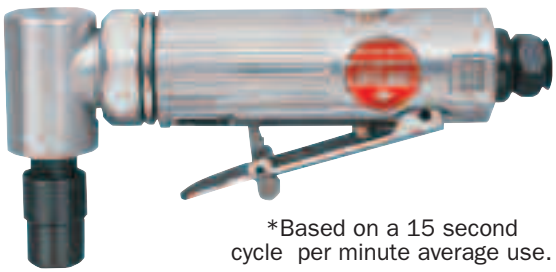
Free Speed (rpm)	Weight each	Order Code KBE-270
22,000	600g	-2030L

90° Angle Die Grinder

GDA2206L

Safety lever throttle, reverse exhaust, Ideal for polishing, grinding and buffing, suitable for use in confined areas.

Free speed: 22,000rpm. **Collet size:** 6mm.
Air inlet thread: 1/4" NPT. **Minimum air hose size:** 10mm (3/8").
Air pressure: 90psi/6.2bar. **Air consumption:** 4cfm*.
Sound pressure level: 85dBA.
Sound power level: 99dBA. **Vibration level:** 7.0m/s².
Overall length: 160mm.



*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
22,000	500g	-2020H

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KOBE Straight Die Grinder

FDG180m
For polishing, buffing, deburring and grinding. Rubber handle provides grip and operator comfort. Speed regulator, safety release throttle, rear exhaust, ball bearing construction for long tool life.

Contents: mini die grinder, two collet spanners and instructions.
Collet size: 1/4" (6mm).
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm* (144ltr/min).
Sound pressure level: 91dBA.
Sound power level: 98dBA.
Vibration level: 4.53m/s^2.
Overall length: 158mm.



Uses Long Collet Nut

CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000	600g	-2262K

Operator Friendly Composite Handle Grip

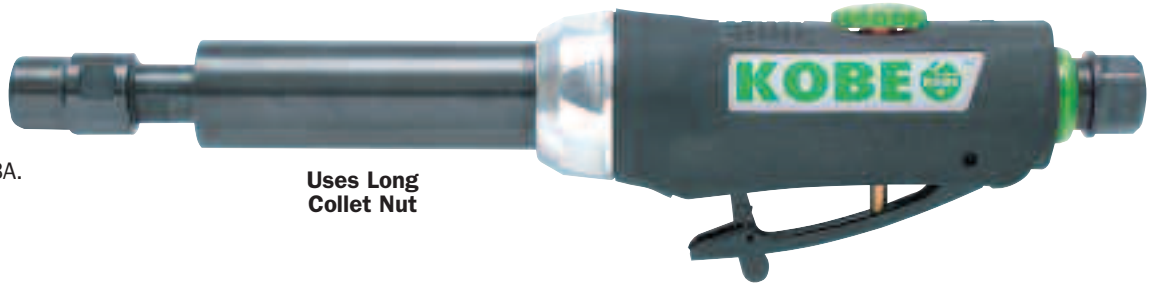

Speed regulator


Safety release throttle

Extended Spindle Die Grinder

FDG180e
For polishing, buffing, deburring and grinding. Rubber handle provides grip and comfort. Extended head for flexibility in tight areas. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

Collet size: 6mm.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 90psi/6.2bar.
Air consumption: 4cfm*.
Free speed: 25,000rpm.
Sound pressure level: 91dBA.
Sound power level: 98dBA.
Vibration level: 4.53m/s^2.
Overall length: 235mm.



Uses Long Collet Nut

CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000		-2272K

Operator Friendly Composite Handle Grip


Speed regulator


Safety release throttle

90° Angle Die Grinder

FDG090
For polishing, buffing, deburring and grinding. Rubber handle provides grip and operator comfort. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

Free speed: 22,000rpm.
Collet size: 6mm.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 90psi/6.2bar.
Air consumption: 4cfm*.
Sound pressure level: 90dBA.
Sound power level: 97dBA.
Vibration level: 1.24m/s^2.
Overall length: 160mm.



Uses Long Collet Nut

CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
22,000		-2222K

Operator Friendly Composite Handle Grip


Speed regulator


Safety release throttle

ABRASIVES & POWER TOOLS

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KOBE Straight Continuous Use Die Grinder

B3456

Reversible hardened steel ¼" collet. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

Drive size: ¼" (6mm), ⅛" (3mm).
Free speed: 25,000rpm.
Air pressure: 6.2bar (90psi).
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): 10mm (⅜").
Sound pressure level: 91dBA.
Sound power level: 98dBA.
Vibration level: 4.53m/s².
Overall length: 160mm.



Uses Short Collet Nut

CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000	0.60kg	-4090K

CONTINUOUS USE Designed & Rated For Continuous Use



Safety release throttle



90° Angle Die Grinder

B3144

Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

Collet size: ¼" (6mm), ⅛" (3mm).
Free speed: 20,000rpm.
Air pressure: 6.2bar (90psi).
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): 10mm (⅜").
Sound pressure level: 90dBA.
Sound power level: 97dBA.
Vibration level: 1.24m/s².
Overall length: 165mm.



CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
20,000	0.50kg	-4080K

CONTINUOUS USE Designed & Rated For Continuous Use



Speed regulator



Safety release throttle

KOBE 115° Angle Die Grinder

FDG115

For polishing, buffing, deburring and grinding. Rubber handle provides grip and operator comfort. 115° angle head for flexibility in tight areas. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

Free speed: 22,000rpm.
Collet size: 6mm.
Air inlet thread: ¼" NPT.
Minimum air hose size: ⅜" (10mm).
Air pressure: 90psi/6.2bar.
Air consumption: 4cfm*.
Sound pressure level: 90dBA.
Sound power level: 97dBA.
Vibration level: 1.05m/s².
Overall length: 195mm.



Uses Long Collet Nut

CE *Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
22,000		-2242K

OPERATOR FRIENDLY Operator Friendly Composite Handle Grip



Speed regulator



Safety release throttle

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KOBE Extended Straight Die Grinder

B3555

Use for grinding, polishing, buffing and deburring. The extra length allows you to reach more confined areas. Reversible hardened steel 1/4" collet. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

Collet size: 1/4" (6mm), 1/8" (3mm).
Free speed: 25,000rpm.
Recommended air pressure: 90psi/6.2bar.
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Sound pressure level: 91dBA.
Sound power level: 98dBA.
Vibration level: 4.53m/s².
Overall length: 260mm.

*Based on a 15 second cycle per minute average use.



Uses Long Collet Nut





CONTINUOUS USE
Designed & Rated For Continuous Use

Free Speed (rpm)	Weight each	Order Code KBE-270
25,000	0.68kg	-4140K

115° Angle Die Grinder

B3244

Reversible hardened steel 1/4" collet. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

Collet size: 1/4" (6mm), 1/8" (3mm). **Free speed:** 20,000rpm. **Recommended air pressure:** 6.2bar (90psi). **Air consumption:** 4cfm* (113ltr/min). **Air inlet thread:** 1/4" NPT. **Minimum air hose size (ID):** 10mm (3/8"). **Sound pressure level:** 90dBA. **Sound power level:** 97dBA. **Vibration level:** 1.24m/s². **Overall length:** 200mm.





Uses Long Collet Nut

*Based on a 15 second cycle per minute average use.

CONTINUOUS USE
Designed & Rated For Continuous Use

Free Speed (rpm)	Weight each	Order Code KBE-270
20,000	0.55kg	-4110K

KOBE Micro Die Grinder

GM5603

For precision grinding etc. With hose and silencer, 1/4" NPT air inlet thread for 5mm air hose, 90psi air pressure, 7cfm* air consumption.

Collet size: 3mm. **Free speed:** 56,000rpm. **Sound pressure level:** 76dBA. **Sound power level:** N/A dBA. **Vibration level:** 4.80m/s². **Overall length:** 156mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
56,000	210g	-2543K

Collets

For Kobe and similar micro grinders.

Collet Size	Order Code KBE-280
1/8"	-0088A
3mm	-0091A
3/32"	-0094A
Collet nut	-0097A

*Based on a 15 second cycle per minute average use.





ABRASIVES & POWER TOOLS

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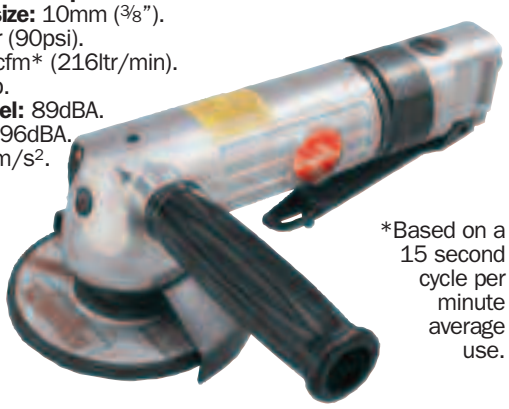
KOBE 100mm Angle Grinder

100 mm

GA1011L

Adjustable safety guard, safety lever throttle. Supplied with auxiliary side handle, flanges and spanners, lightweight and compact. 100 x 3 x 16mm cut-off disc.

Air inlet thread: 1/4" NPT. **Spindle thread:** 3/8" - 24.
Minimum air hose size: 10mm (3/8").
Air pressure: 6.3bar (90psi).
Air consumption: 6cfm* (216ltr/min).
Motor power: 0.7hp.
Sound pressure level: 89dBA.
Sound power level: 96dBA.
Vibration level: 4.0m/s².
Overall length: 230mm.



*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
11,000	1.80kg	-2050P

KOBE 50mm Mini Angle Grinder

50 mm

FAG050M

For metal dressing, rust removal, weld preparation and automotive bodywork fabrication in hard to reach areas. Speed regulator. Safety release throttle. Heavy duty disc guard. Side exhaust. Ball bearing construction. Supplied with: 2x A60 (KEN230-0040K), 1x A80 (KEN230-0050K) and 1x A120 (KEN230-0060K) 50mm grinding discs.

Disc size: 50 x 4 x 9.6mm (2" x 5/32" x 3/8").
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 90psi/6.3bar.
Air consumption: 4cfm*.
Sound pressure level: 83dBA.
Sound power level: 92dBA.
Vibration level: 1.7m/s².
Overall length: 140mm.

*Based on a 15 second cycle per minute average use.



Operator Friendly Composite Handle Grip

Free Speed (rpm)	Weight each	Order Code KBE-270
20,000	530g	-2090K

115mm Angle Grinder

115 mm

GA1211L

Suitable for grinding, cutting-off and sanding. Safety lever throttle. Supplied with auxiliary side handle, flanges and spanners. 115 x 3 x 22mm cut off disc.

Air inlet thread: 1/4" NPT. **Spindle thread:** M10 x 1.5mm.
Minimum air hose size: 10mm (3/8").
Air pressure: 6.3bar (90psi).
Air consumption: 6cfm* (216ltr/min).
Motor power: 0.7hp.
Sound pressure level: 89dBA.
Sound power level: 96dBA.
Vibration level: 4.0m/s².
Overall length: 240mm.



*Based on a 15 second cycle per minute average use.

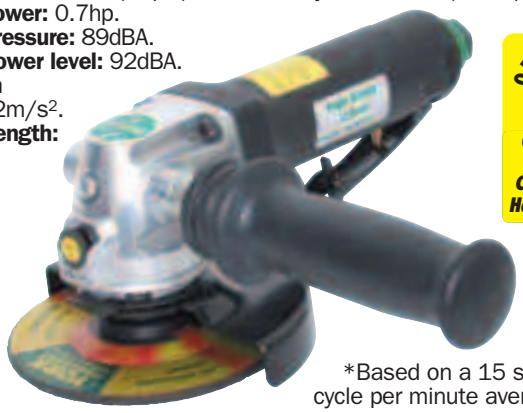
Free Speed (rpm)	Weight each	Order Code KBE-270
11,000	1.80kg	-2060Q

115 & 125mm Angle Grinder

115 mm
125 mm

Suitable for metal dressing, rust removal, weld preparation and automotive bodywork fabrication. Rubber-cushioned side handle provides grip and operator comfort.

Free speed: 10,000rpm (governed). **Air inlet thread:** 1/4" NPT.
Spindle thread: M14 x 2.0mm. **Minimum air hose size:** 10mm (3/8").
Air pressure: 6.2bar (90psi). **Air consumption:** 4cfm* (113ltr/min).
Motor power: 0.7hp.
Sound pressure: 89dBA.
Sound power level: 92dBA.
Vibration level: 1.2m/s².
Overall length: 240mm.



Operator Friendly Composite Handle Grip

CE

*Based on a 15 second cycle per minute average use.

Model Number	Disc Size	Free Speed (rpm)	Weight each	Order Code KBE-270
FGA120g	115mm (4½")	10,000	1.95kg	-1960K
FGA130g	125mm (5")	10,000	1.96kg	-1980K

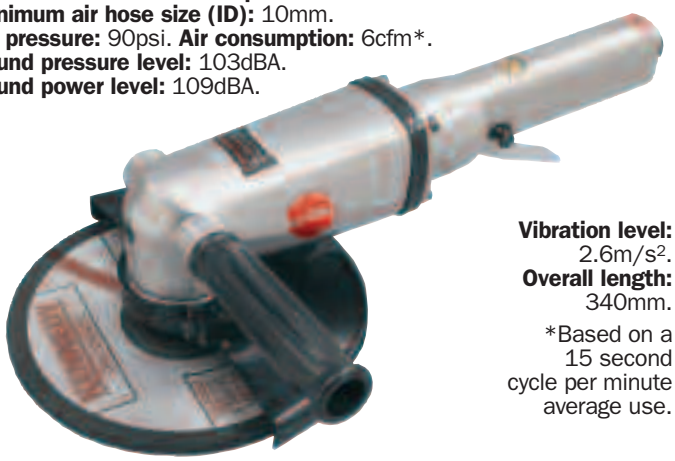
180mm Heavy Duty Angle Grinder

180 mm

GA1807L

Supplied with front exhaust, safety lever throttle, auxiliary side handle and adjustable safety guard. For grinding only.

Air inlet thread: 1/4" NPT. **Spindle thread:** 5/8" UNC.
Minimum air hose size (ID): 10mm.
Air pressure: 90psi. **Air consumption:** 6cfm*.
Sound pressure level: 103dBA.
Sound power level: 109dBA.



Vibration level: 2.6m/s².
Overall length: 340mm.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
7,000	3.50kg	-2070R

76mm Reversible Cut-off Tool

76 mm

FCT076

For cutting auto panels, light sheet metal, fibreglass, nuts and bolts. Powerful 0.5HP motor. Speed regulator. Safety release throttle. Rear exhaust. Rotating air inlet. Reverse feature. Ball bearing construction. Supplied with one 76mm cutting disc (KEN230-0020K).

Disc size: 76 x 1.8 x 9.6mm (3" x 1/16" x 3/8").
Minimum air hose size (ID): 3/8" (10mm).
Air inlet thread: 1/4" NPT.**Air pressure:** 90psi/6.2bar.
Air consumption: 4cfm*. **Sound pressure level:** 98dBA.
Sound power level: 103dBA.
Vibration level: 0.5m/s².
Overall length: 185mm.



Operator Friendly Composite Handle Grip

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code KBE-270
18,000	950g	-1200K

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KOBE Heavy Duty Pistol Grip Hammer

HP2190
For a wide range of workshop and automotive uses. Supplied with retainer spring. Accepts all standard 0.401" shank tools, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

Stroke length: 90mm. **Sound pressure level:** 109dBA. **Sound power level:** 119dBA. **Vibration level:** 11.2m/s². **Overall length:** 225mm.



Group 259

KOBE COMPLETE RANGE OF SPARE PARTS & ACCESSORIES ARE AVAILABLE

*Based on a 15 second cycle per minute average use.

Blows Per Minute	Weight each	Order Code KBE-270
2,100	2.00kg	-3050K

Pistol Grip Hammer

HP4540
Suitable for use with cutters, punches, spot weld breakers and flat chisels. Supplied with retainer spring. Accepts all standard 0.401" shank tools, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

Stroke length: 40mm. **Sound pressure level:** 112dBA. **Sound power level:** 121dBA. **Vibration level:** 15.5m/s². **Overall length:** 145mm.



*Based on a 15 second cycle per minute average use.

Group 289

Blows Per Minute	Weight each	Order Code KBE-270
4,500	1.40kg	-3000K

Hammer & Chisel Kit

HP5040K
Supplied with flat chisel, spot weld breaker, taper punch and rivet cutter. Variable power regulator. Accepts all standard 0.401" shank tools. ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption. **Stroke length:** 40mm. **Sound pressure level:** 112dBA. **Sound power level:** 119dBA. **Vibration level:** 14.8m/s². **Overall length:** 135mm.



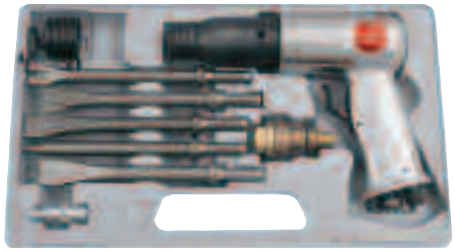
*Based on a 15 second cycle per minute average use.

Blows Per Minute	Weight each	Order Code KBE-270
5,000	1.60kg	-3150K

Hammer & Chisel Kit

HP2090K
Supplied with flat chisel, spot weld breaker, taper punch, rivet cutter and sheet metal cutter. Hard hitting long stroke. Accepts all standard 0.401" shank tools. ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

Stroke length: 90mm. **Sound pressure level:** 105dBA. **Sound power level:** 118dBA. **Vibration level:** 11.5m/s². **Overall length:** 230mm.



*Based on a 15 second cycle per minute average use.

Blows Per Minute	Weight each	Order Code KBE-270
2,000	3.00kg	-3100K

Retainers

Suitable for use with all Kobe air hammers.



Zip Change | Beehive | Quick Change

Retainer Type	Weight each	Order Code KBE-280
Quick Change	60g	-0001A
Beehive	80g	-0004A
Zip Change	70g	-0007A

Air Hammer Chucks

Suitable for use with all Kobe air hammers. Cannot accidentally be released.

Quick Change Chuck
Spring loaded front collar, that must be pulled forward to allow tool release.



Safety Chuck
Spring loaded retainer, that must be unscrewed to allow tool release.



Chuck Type	Weight each	Order Code KBE-280
Safety	530g	-0010A
Quick Change	70g	-0013A

Needle Scaler Attachment

Converts a pneumatic hammer into a needle scaler.

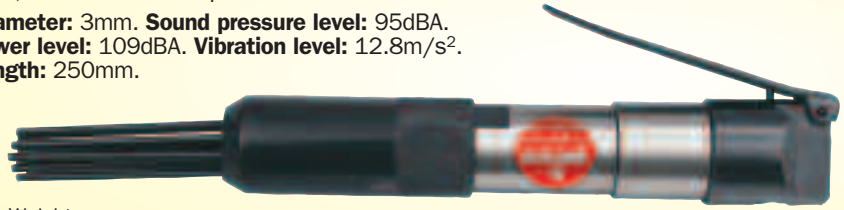


To Suit	Weight each	Order Code KBE-280
All Kobe Air Hammers	865g	-0116A

Heavy Duty Needle Scaler

NS4030
10 needles for quick removal of rust, paint, scale, flux and corrosion. Slimline body. Lightweight. (For replacement scaling needles, please refer to parts drawing supplied with tool), ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

Needle diameter: 3mm. **Sound pressure level:** 95dBA. **Sound power level:** 109dBA. **Vibration level:** 12.8m/s². **Overall length:** 250mm.



Blows Per Minute	Weight each	Order Code KBE-270
5,000	1.25kg	-3300K

*Based on a 15 second cycle per minute average use.

Scaler Needles

For use with Kobe Needle Scaler NS4030.



Group 258

Number of Needles	Weight each	Order Code KBE-280
Set 10	140g	-0019A

ABRASIVES & POWER TOOLS

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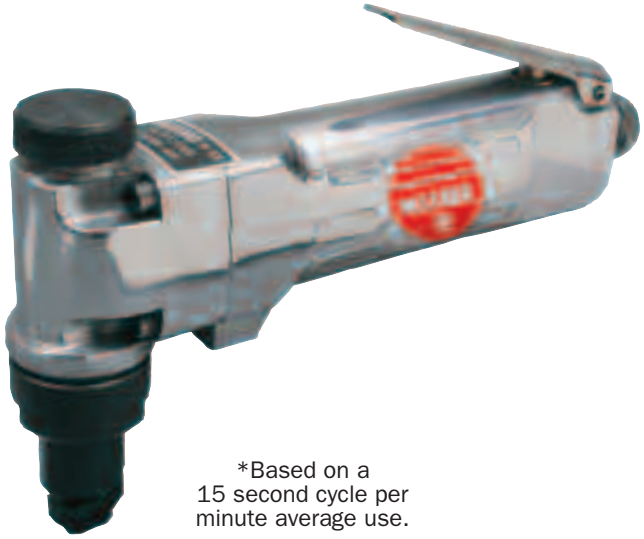
KOBE Air Nibbler

NB160

Produces burr-free cuts without distortion. Ideal for body shop and sheet metal work, teasing throttle for precise control, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption and a cutting capacity of 1.6mm (steel) to 2.0mm (aluminium).

Sound pressure level: 91dBA.
Sound power level: 104dBA.
Vibration level: 5.9m/s^2.
Overall length: 180mm.



*Based on a 15 second cycle per minute average use.

Cutting Rate Per Min.	Weight each	Order Code KBE-270
2.6m	900g	-3400K

Punches & Dies for Nibblers

Produce burr-free cuts without distortion. Ideal for body shop and sheet metal work. Suitable for use with Kobe NB160 high performance nibbler. KBE-298 parts cut on upstroke. KBE-280 parts cut on downstroke.



Upstroke

Type	To Suit Model	Weight each	Order Code KBE-298
Punch	Newer NB160	5g	-5003C
Die		75g	-5004D

Downstroke

Type	To Suit Model	Weight each	Order Code KBE-280
Punch	Older NB160	5g	-0025A
Die		75g	-0028A

Rapid Cutting Metal Shear

SH120

Produces burr-free cuts without distortion. Ideal for body shop and sheet metal work. Teasing throttle for precise control, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption, cutting capacity of 1.2mm steel to 1.6mm aluminium.

Sound pressure level: 82dBA.
Sound power level: N/A dBA.
Vibration level: 4.2m/s^2.
Overall length: 200mm.



*Based on a 15 second cycle per minute average use.

Strokes Per Min.	Weight each	Order Code KBE-270
2,200	2.30kg	-3900K

Shear Head

Produces burr-free cuts without distortion. Ideal for body shop and sheet metal work. Suitable for use with Kobe SH120 rapid cutting metal shear.



To Suit Model	Weight each	Order Code KBE-280
SH120	360g	-0022A

Multi-Purpose Body Saw

BS920L

Produces burr-free cuts without distortion. Ideal for body shop and sheet metal work. Teasing throttle for precise control, ¼" NPT air inlet thread, 90psi air pressure, 4cfm* air consumption and a cutting capacity of 1.6mm (steel) to 2mm (aluminium).

Sound pressure level: 91dBA.
Sound power level: 102dBA.
Vibration level: 5.1m/s^2. **Overall length:** 235mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
9,000	550g	-3500K

*Based on a 15 second cycle per minute average use.

Accepts most square-ended blades up to 1mm thick x 12mm wide

Shatter Resistant Body Saw Blades

HSS body saw blade with two tooth pitch variations. 24 tooth (medium) and 32 tooth (fine) to suit a wide range of applications. Sold in packs of two.

All Hard - For Straight Cuts

Teeth Per Inch	Pack Quantity	Order Code KBE-280
24	2	-5670K
32	2	-5672K

Bi-Metal - For Curved Cuts

Teeth Per Inch	Pack Quantity	Order Code KBE-280
24	2	-5674K
32	2	-5676K

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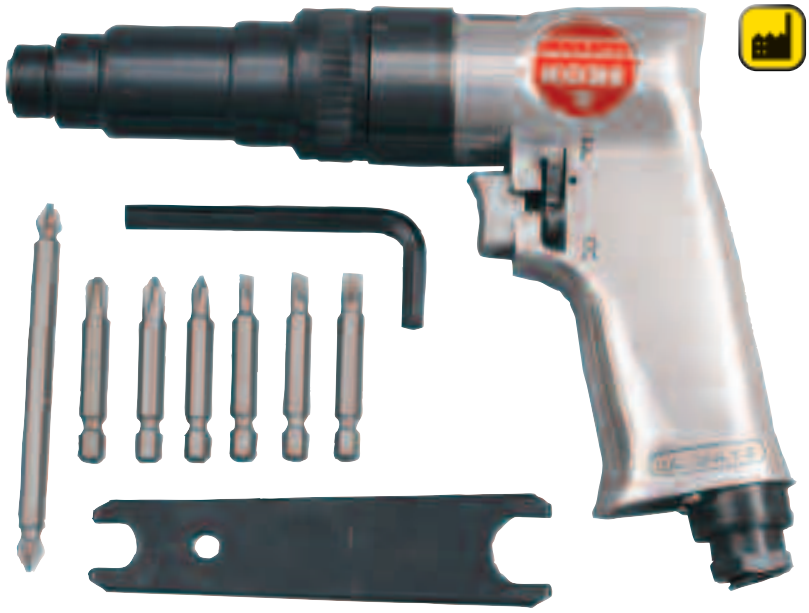
KOBE Pistol Screwdriver Kit

SP1825K
¼" NPT air inlet thread for 10mm air hose, 90PSI air pressure, 4cfm* air consumption, 45 - 115lbs/inch. ¼" hex drive capacity.
Sound pressure level: 86dBA.
Sound power level: 102dBA.
Vibration level: 4.6m/s^2.
Overall length: 178mm.

Contents:
SP1825 screwdriver.
Hexagon wrench and spanner.
No.1, 2 and 3 x 50mm crosspoint bits.
4, 5 and 6mm x 50mm slotted bits.
No.2 x 100mm crosspoint double-ended bit.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code **KBE-270**
1800	900g	**-3850K**



Straight Screwdriver Kit

SS1525K
¼" NPT air inlet thread for 10mm air hose, 90PSI air pressure, 4cfm* air consumption, 10 - 30lbs/inch torque. ¼" hex drive capacity.
Sound pressure level: 90dBA.
Sound power level: 104dBA.
Vibration level: 3.2m/s^2.
Overall length: 210mm.

Contents:
SS1525 screwdriver.
Two clutch springs:
Clutch Spring No.06-703-13
Dia 2.3mm; 1Nm - 3Nm
Clutch Spring No.06-703-23
Dia 1.8mm; 0.3Nm - 0.7Nm
2x spanners. Clutch adjusting wrench.
¼ NPT nipple. Mini oil bottle.
No.1 x 65mm crosspoint double ended bit.
5 x 50mm slotted bit.

*Based on a 15 second cycle per minute average use.

Free Speed (rpm)	Weight each	Order Code **KBE-270**
1700	900g	**-3800K**



KOBE Automatic Shut-off Screwdriver 0.6 - 5.1Nm

CSP005S
Heavy-duty reverse action pistol grip screwdriver suitable for production and assembly applications. Push to start type with auto shut-off clutch for precision applications. Three interchangeable torque springs allow for easy conversion for new applications. ¼" hex drive. External torque adjustment does not require disassembly of the tool. Variable speed throttle. Ergonomically contoured grip for operator comfort. Handle exhaust directs air away from the workpiece and operator. Hanging ring included.

Chuck size: ¼" (6mm) hex.
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): ⅜" (10mm).
Green torque spring:* 0.6 - 2.1Nm (5 - 19in/lbs).
Black torque spring: 1.1 - 4.3Nm (10 - 38in/lbs).
Yellow torque spring: 1.7 - 5.1Nm (15 - 45in/lbs).
Air pressure: 6.3bar/90psi.
Air consumption: 4cfm* (144ltr/min).
Sound pressure level: 84dBA.
Sound power level: 93dBA.
Vibration level: <0.5m/s^2.



CONTINUOUS USE
Designed & Rated For Continuous Use



*Based on a 15 second cycle per minute average use.

Overall Length	Weight each	Order Code **KBE-270**
210mm	815g	**-3760K**

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KOBE 75mm Air Random Orbital Sander

NEW



75 mm

BR0S3 - Heavy Duty
High speed random orbital sander with an adjustable power regulator to match the speed to the job. Provides a smooth, swirl-free finish whilst the ergonomic hand grip offers enhanced user comfort. Compact, lightweight design makes it easy to use in confined areas. Ball bearing construction for long tool life.

Motor power: 0.40hp
Air inlet thread: ¼" BSP.
Backing pad size: 75mm (3").
Sound power level: 91dBA.
Vibration level: 6.3m/s².
Free speed: 15,000rpm.
Backing pad: Hook-n-Loop.
Operating pressure: 90psi/6.2bar.
Minimum air hose size (ID): ⅜" (10mm).
Overall length: 125mm.

With 'Hook-n-Loop' Backing Pad

75mm DISCS ALSO STOCKED

CONTINUOUS USE
Designed & Rated For Continuous Use

Free Speed (rpm)	Weight each	Order Code KBE-270
15,000		-6010K

KOBE Mini Random Orbital Sander Kit



F05003mk
Uses 2" and 3" backing pads. Rubber handle provides grip and operator comfort. Two finger throttle for easier control and less fatigue. Adjustable power regulator to match the speed to the job. Ball bearing construction for a long tool life.

Accessories included: 2" and 3" backing pads. 10x 2" diameter sanding discs - 320, 400 and 600 grit. 10x 3" diameter sanding discs - 320, 400 and 600 grit. Spindle key and instructions. Supplied in a robust blow-moulded carry case.



Free speed: 15,000rpm.
Air inlet thread: ¼" NPT.
Minimum air hose size (ID): ⅜" (10mm).
Air consumption: 4cfm*.
Vibration level: 0.9m/s².

CE

*Based on a 15 second cycle per minute average use.

OPERATOR FRIENDLY
Operator Friendly Composite Handle Grip

Free Speed (rpm)	Weight each	Order Code KBE-270
15,000	611g	-2103K

150mm Random Orbital Sander

150 mm

FS0150
Suitable for shaping, blending, smoothing body filler and rapid material removal. Rubber handle. Random orbit. Can be used for wet sanding. Rotating air inlet to prevent tangling. Speed control for easy adjustment. Ball bearing construction for a long tool life.

Backing pad size: 150mm (6"). **Backing pad type:** hook and loop. **Orbit diameter:** 5mm (3/16"). **Suction type:** Self-generating vacuum. **Spindle size:** 5/16" NPT. **Free speed:** 10,000rpm. **Air inlet thread:** ¼" NPT. **Minimum air hose size (ID):** 10mm (⅜"). **Air pressure:** 6.2bar/90psi. **Motor power:** 0.2hp. **Air consumption:** 3cfm* (85ltr/min). **Sound pressure level:** 84dBA. **Sound power level:** 90dBA. **Vibration level:** 5.6m/s². **Overall length:** 280mm.







CE

OPERATOR FRIENDLY
Operator Friendly Composite Handle Grip

Free Speed (rpm)	Weight each	Order Code KBE-270
10,000	1.04kg	-2720K

*Based on a 15 second cycle per minute average use.

Mini Polisher Kit

NEW



75 mm

GMPK3 - 75mm (3") Mini Polisher Kit
Compact and lightweight for ease of use in confined areas. Ergonomic and comfortable hand grip.

Kit contents: mini polisher, backing pad, spanner, 90mm (3") fine polishing sponge (white), 90mm (3") coarse polishing sponge (yellow) and 90mm (3") lambs wool polishing bonnet.

Motor power: 0.25hp.
Air inlet thread: ¼" BSP.
Backing pad size: 75mm (3").
Sound power level: 94dBA.
Vibration level: 0.77m/s².
Free speed: 3,200rpm.
Backing pad: Hook-n-Loop.
Operating pressure: 90psi/6.2bar.
Minimum air hose size (ID): ⅜" (10mm).
Overall length: 115mm.

Polishing Sponge
Polishing Sponge (coarse)
Polishing Bonnet (lambs wool)

OPERATOR FRIENDLY
Operator Friendly Composite Handle Grip

6 PIECES

Free Speed (rpm)	Weight each	Order Code KBE-270
3,200		-6740K

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KOBE 150mm Random Orbital Palm Sander Self-Vacuum Type

R5666

Suitable for shaping, blending and smoothing of body filler and rapid material removal. Random 5mm diameter orbit for a swirl-free finish - can be used for wet sanding. 150mm diameter Hook-n-Loop backing pad with a 600A hole pattern. 1.6m extraction hose. Can be connected to a portable dust collection system or supplied cotton bag to help reduce airborne dust and clean-up time. One handed operation with a rubber grip. Rotating air inlet to prevent the air hose tangling.

Backing pad size: ř150mm (6"). **Backing pad type:** Hook-n-Loop.
Orbit diameter: 5mm (3/16"). **Suction type:** self-generating vacuum.
Spindle size: 5/16". **Free speed:** 11,000rpm.
Recommended air pressure: 6.2bar/90psi.
Air consumption: 3cfm* (85ltr/min).
Air inlet thread: 1/4" NPT. **Minimum air hose size (ID):** 10mm (3/8").
Motor power: 0.25hp. **Sound pressure level:** 88dBA.
Sound power level: 76dBA. **Vibration level:** 5.2m/s^2.
Overall length: 210mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
11,000	1.47kg	**-4170K**

*Based on a 15 second cycle per minute average use.

Dust Free Orbital Palm Grip Sander

FPS874

Complete with 1m dust removal hose, large capacity dust collection bag and foam backed velcro pad. Connects to dust extraction. Adjustable speed regulator.

Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 6.3bar/90psi.
Air consumption: 4cfm* (144ltr/min).
Sheet size: 93 x 230mm.
Pad size: 165 x 74mm.
Overall length: 175mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
8,000	1.80kg	**-2650K**

*Based on a 15 second cycle per minute average use.

1/3 Sheet Heavy Duty Orbital Sander

FOS890

For use on wood, metal, plastics, fibre glass, fillers etc. Connects to 10mm hose, dust extraction, adjustable speed regulator, low noise, vibration damped.

Pad size: 165 x 90mm.
Sheet size: 93 x 230mm.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 6.3bar/90psi.
Air consumption: 4cfm* (144ltr/min).
Sound pressure level: 91dBA.
Sound power level: 105dBA.
Vibration level: 16.6m/s^2.
Overall length: 175mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
8,000	1.80kg	**-2900K**

*Based on a 15 second cycle per minute average use.

180mm Angle Polisher

180 mm

PA1825

For high performance buffing and polishing on bodywork and paintwork. Built-in regulator for consistent performance. Can be used with compounding heads and polishing sponges.

Spindle thread: 5/8" - 11 NPT.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 3/8" (10mm).
Air pressure: 6.3bar/90psi.
Air consumption: 4cfm* (144 ltr/min).
Pad size: 180mm.
Sound pressure level: 96dBA.
Sound power level: 103dBA.
Vibration level: 8.2m/s^2.
Overall length: 380mm.



Group 280

Free Speed (rpm)	Weight each	Order Code KBE-270
2,500	2.30kg	**-3600K**

*Based on a 15 second cycle per minute average use.

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KOBE Mini Belt Sander Kit

MBS025-X

Suitable for shaping, paint removal, weld sanding, smoothing and rust removal on flat or curved surfaces.
Supplied with 9 flexible abrasive belts and 5 contact arms. Rated for continuous use.
Uses 6, 10, 13 and 20mm wide by 457mm long abrasive belts.
Adjustable multi-positional sanding arm angle with a speed regulator and rear handle exhaust with noise baffler.

Free speed: 18,000rpm.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Air consumption: 4cfm* (113ltr/min).
Air pressure: 90psi/6.3bar.
Motor power: 0.6hp.
Sound pressure level: 84dBA.
Sound power level: 92dBA.
Vibration level: 0.80m/s^2.
Overall length: 390mm.

6-20 mm



Kit contents:
Contact arms:
6, 10, 13, 20mm with flat roller.
10mm with rounded roller.
Surface preparation file belts:
20mm: P80 grit (coarse),
13mm: P300 grit (fine)
Aluminium oxide file belts:
20mm: P60, P80 grit,
13mm: P80, P120 grit,
10mm: P120, P150 grit,
6mm: P150 grit.
4mm hexagon key L-wrench.

File Belt

Grit	Weight per 10	Order Code YRK-204
	13mm Wide x 457mm Long	
P80	600g	**-3342K**



CONTINUOUS USE
Designed & Rated For Continuous Use

CE

Free Speed (rpm)	Weight each	Order Code KBE-270
18,000	1.36kg	**-2880K**

KOBE Mini Belt Sanders

Suitable for flat, concave and convex surfaces. Sanding arm can be rotated to any angle - improved access in confined spaces, saves space when storing the tool. Spare belt and hex wrench included. Ergonomic and comfortable rubber grip for reduced vibration.
Low profile teasing throttle for precise speed control. Directional rear exhaust.

Air inlet thread: 1/4" NPT
Minimum air hose size (ID): 10mm (3/8").
Air consumption: 4cfm* (113ltr/min).
Air pressure: 90psi/6.2bar.
Overall length/folded length:
R5218: 305/207mm,
R5228: 470/310mm,
R5238: 420/255mm.

6 mm



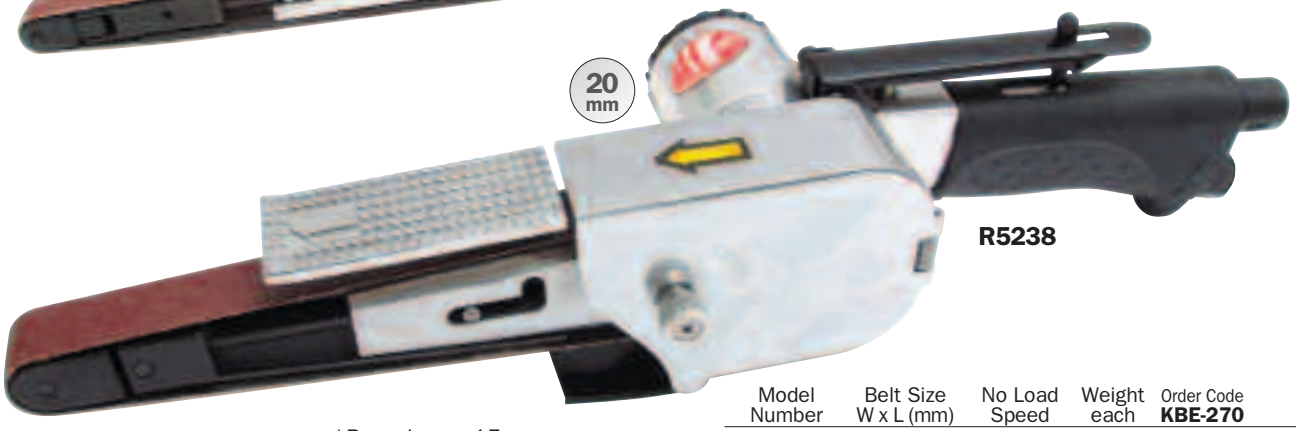
R5218

13 mm



R5228

20 mm



R5238

Model Number	Belt Size W x L (mm)	No Load Speed	Weight each	Order Code KBE-270
R5218	6 x 330	18,000rpm	0.85kg	**-4250K**
R5228	13 x 610	18,000rpm	0.95kg	**-4270K**
R5238	20 x 520	16,000rpm	1.60kg	**-4200K**

*Based on a 15 second cycle per minute average use.

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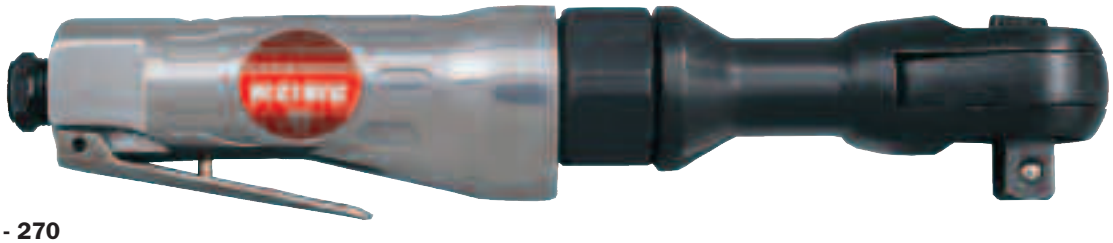
KOBE Speed Ratchets

SR375 3/8" square drive, 10mm bolt capacity.
SR500 1/2" square drive, 13mm bolt capacity.
Ball type retainer, disc type reversing action, compact, lightweight design, ideal for automotive work, front exhaust.

3/8 1/2

Free speed: 150rpm.
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Air pressure: 6.2bar/90psi.
Air consumption: 4cfm* (113ltr/m).
Torque: 50ft/lbs.
Overall length: 255mm.



KBE - 270	2375K	2500K
Sound pressure level:	89dBA	89dBA
Sound power level:	96dBA	89dBA
Vibration level:	4.0m/s²	4.0m/s²

*Based on a 15 second cycle per minute average use.

Model Number	Square Drive	Weight each	Order Code KBE-270
SR375	3/8"	1.10kg	**-2375K**
SR500	1/2"	1.10kg	**-2500K**

Speed Ratchet 1/4" Square Drive

R7722
Suitable for the removal and installation of threaded fasteners. Reversible hardened steel 1/4" square drive. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

1/4

Drive size: 1/4" (6mm).
Free speed: 200rpm.
Recommended air pressure: 6.2bar/90psi.
Air consumption: 4cfm* (113ltr/min).
Working torque range: 7 ~ 27nm (5 ~ 20ft/lbs).
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Sound pressure level: 80dBA.
Sound power level: 88dBA.
Vibration level: 1.8m/s².
Overall length: 200mm.





Protective rubber head cover | **Lever operated throttle** | **Directional rear exhaust** | **Forward/ Reverse lever switch** | **Adjustable air (speed) regulator** | **Vibration dampened rubber grip**

*Based on a 15 second cycle per minute average use.

Overall Length	Weight each	Order Code KBE-270
200mm	0.65kg	**-4010K**

ABRASIVES & POWER TOOLS

KOBE Speed Ratchets

FSR375 3/8" square drive. **Working torque range:** 5 - 20ft.lbs (7 - 27Nm). **Overall length:** 205mm. **Free speed:** 200rpm.
FSR500 1/2" square drive. **Working torque range:** 10 - 50ft.lbs (14 - 68Nm). **Overall length:** 265mm. **Free speed:** 150rpm.

3/8 1/2

Suitable for the removal and installation of threaded fasteners when doing automotive and light assembly work.
Reversible hardened steel square drive. Rubber handle provides grip and operator comfort with reduced hand chill. Three planetary gears for longer life and smoother running. Rubber cover protects the ratchet head and the workpiece. Short body length allows access into hard to reach areas. Low profile teasing throttle for precise speed control. Rotating rear exhaust with baffle for reduced noise. Rotating air inlet to prevent the air hose tangling. Adjustable air regulator.

Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Air pressure: 6.2bar/90psi.
Air consumption: 4cfm* (113ltr/min).



OPERATOR FRIENDLY
Operator Friendly Composite Handle Grip



KBE - 270	2360K	2300K
Sound pressure level:	84dBA	80dBA
Sound power level:	88dBA	87dBA
Vibration level:	1.8m/s²	2.6m/s²

*Based on a 15 second cycle per minute average use.

Model Number	Square Drive	Working Torque Range	Overall Length	Weight each	Order Code KBE-270
FSR375	3/8"	7 - 27Nm	205mm	640g	**-2360K**
FSR500	1/2"	14 - 68Nm	265mm	1.20kg	**-2300K**

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KOBE Impact Wrench

3/8

G7321

Suitable for light workshop and garage use. Twin hammer mechanism with a 4-point adjustable air (speed) forward/reverse speed regulator. Ergonomic and comfortable handle grip with vibration dampening a fixed inlet and exhaust. One finger stop/start trigger operation. Downward facing external exhaust in handle.
Free speed: 10,100rpm, forward: position 1: 8,000rpm, position 2: 9,100rpm, position 3: 10,100rpm, reverse: 10,200rpm.



Maximum torque: 393Nm (290ft/lbs).
Working torque: 339Nm (250ft/lbs).
Recommended air pressure: 6.2bar (90psi).
Air consumption: 3.4cfm*
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Overall length: 160mm.

Free Speed (rpm)	Weight each	Order Code KBE-270
10,100		-5820K

*Based on a 15 second cycle per minute average use.

KOBE Impact Wrench

1/2

B7444

Suitable for production and assembly applications. Twin hammer mechanism. Three position dial style speed regulator. Forward/reverse selection. Ergonomic and comfortable handle grip. Fixed inlet and exhaust.

Forward: position 1: 4,000rpm, position 2: 5,000rpm, position 3: 7,000rpm.
Reverse: position 1: 3,000rpm, position 2: 5,000rpm, position 3: 7,000rpm.
Collet size: 1/2" (13mm).
Free speed: 7,000rpm.



CONTINUOUS USE
Designed & Rated For Continuous Use

Maximum torque: 813Nm (600ft/lbs).
Recommended air pressure: 6.2bar/90psi.
Air consumption: 4cfm* (113ltr/min).
Air inlet thread: 1/4" NPT.
Minimum air hose size (ID): 10mm (3/8").
Sound pressure level: 83dBA.
Sound power level: 90dBA.
Vibration level: 6.8m/s^2.
Overall length: 183mm.

Free Speed (rpm)	Weight each	Order Code KBE-270
7,000	1.94g	-4040K

*Based on a 15 second cycle per minute average use.

KOBE Impact Wrench

1/2

IW500

One piece aluminium housing, 10 position power regulator, thumb switch for reversing, 1/4" NPT air inlet thread for 10mm air hose, 90psi air pressure, 300ft/lbs torque, 4cfm* air consumption, 16mm bolt capacity.

Sound pressure level: 88dBA. **Sound power level:** N/A dBA.
Vibration level: 4.2m/s^2. **Overall length:** 191mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
7,000	2.30kg	-2316P

*Based on a 15 second cycle per minute average use.

Impact Wrench Kit

1/2

IWS500

Kit supplied complete in robust blow-moulded case.

Includes: 1/2" impact wrench IW500. 10 metric sockets: 9 - 27mm. Threaded tailpiece, in-line mini-oiler and oil bottle. One piece aluminium housing, 10 position power regulator, thumb switch for reversing, 1/4" NPT air inlet thread for 10mm air hose, 90psi air pressure, 300ft/lbs torque, 4cfm* air consumption, 16mm bolt capacity.

Sound pressure level: 93dBA. **Sound power level:** N/A dBA.
Vibration level: 1.219m/s^2. **Overall length:** 191mm.



Free Speed (rpm)	Weight each	Order Code KBE-270
7,000	4.30kg	-2350K

*Based on a 15 second cycle per minute average use.

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KOBE Impact Wrench

3/4

IW750
One-piece aluminium housing, 10 position power regulator, thumb switch for reversing, ¼" NPT air inlet thread for 10mm air hose, 25mm bolt capacity. 90psi air pressure, 7.5cfm* air consumption. 500ft/lbs torque.

Sound pressure level: 83dBA.
Sound power level: N/A dBA.
Vibration level: 0.449m/s².
Overall length: 245mm.



CE

Free Speed (rpm)	Weight each	Order Code KBE-270
4,200	5.00kg	-2325S

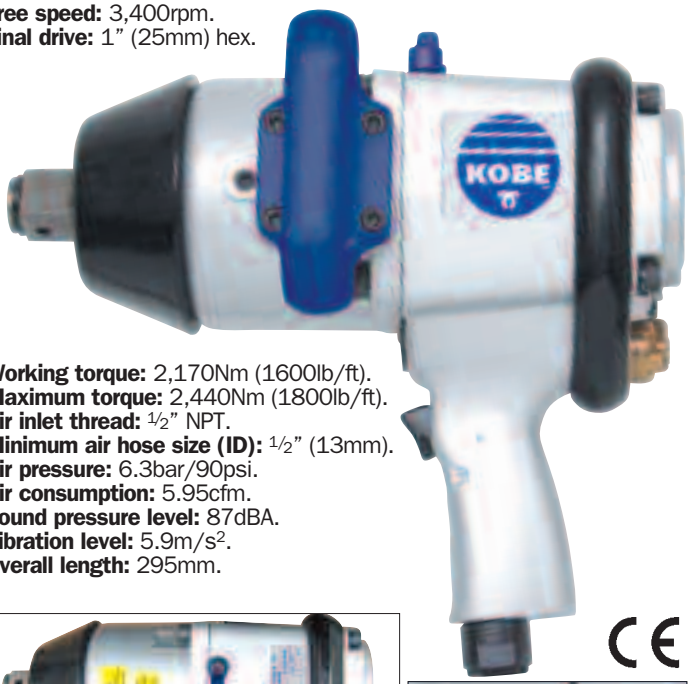
*Based on a 15 second cycle per minute average use.

KOBE Pistol Grip Air Impact Wrench

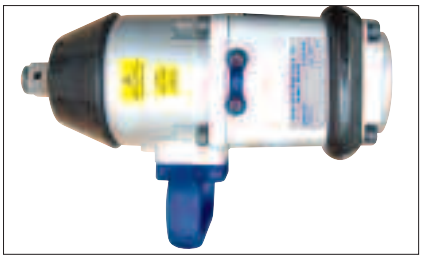
1

IWP100-X
Suitable for industrial and commercial production and assembly applications. Front or rear mounting spring balance loop. Forward/reverse switch and three position power regulator. Forward facing exhaust. Oiling points for daily maintenance.

Free speed: 3,400rpm.
Final drive: 1" (25mm) hex.



Working torque: 2,170Nm (1600lb/ft).
Maximum torque: 2,440Nm (1800lb/ft).
Air inlet thread: ½" NPT.
Minimum air hose size (ID): ½" (13mm).
Air pressure: 6.3bar/90psi.
Air consumption: 5.95cfm.
Sound pressure level: 87dBA.
Vibration level: 5.9m/s².
Overall length: 295mm.





CE

Free Speed (rpm)	Weight each	Order Code KBE-270
3,400	9.70kg	-1620A

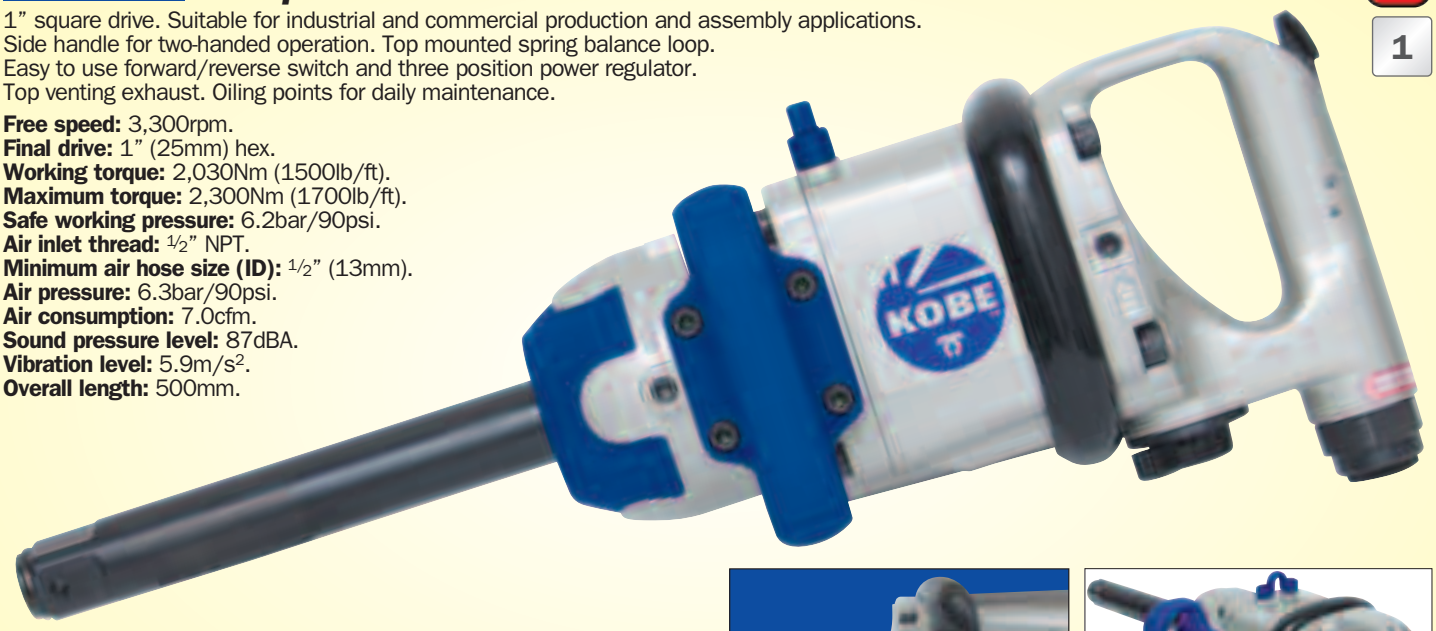
*Based on a 15 second cycle per minute average use.

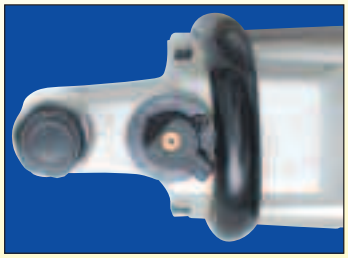
KOBE Heavy Duty In-Line Air Impact Wrench

1

1" square drive. Suitable for industrial and commercial production and assembly applications. Side handle for two-handed operation. Top mounted spring balance loop. Easy to use forward/reverse switch and three position power regulator. Top venting exhaust. Oiling points for daily maintenance.

Free speed: 3,300rpm.
Final drive: 1" (25mm) hex.
Working torque: 2,030Nm (1500lb/ft).
Maximum torque: 2,300Nm (1700lb/ft).
Safe working pressure: 6.2bar/90psi.
Air inlet thread: ½" NPT.
Minimum air hose size (ID): ½" (13mm).
Air pressure: 6.3bar/90psi.
Air consumption: 7.0cfm.
Sound pressure level: 87dBA.
Vibration level: 5.9m/s².
Overall length: 500mm.







CE

Free Speed (rpm)	Weight each	Order Code KBE-270
3,300	9.34kg	-1630B

*Based on a 15 second cycle per minute average use.

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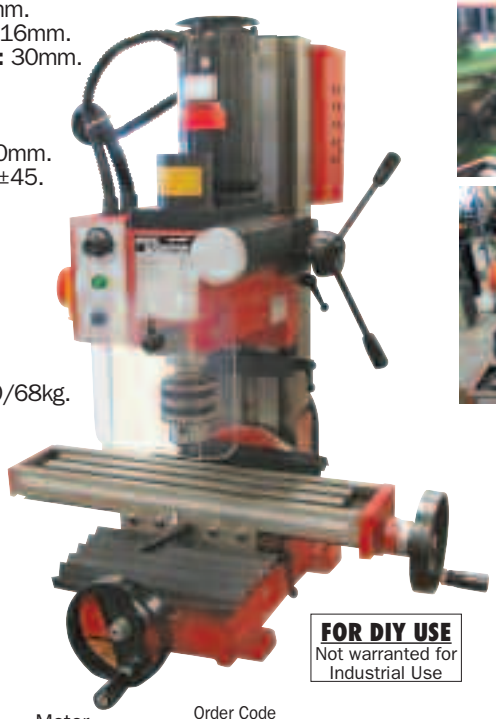
OSAKI POWER TOOLS Mini Milling/ Drilling Machine

A must for model makers. Bench mounted, this milling/drilling machine has a spindle rotation of up to 45°, making it a very capable tool. An assortment of useful accessories are available (see list). This versatile tool has been manufactured to meet European Machinery Directive 98/37/EC and is both CE and RoSH compliant.

Swing over bed: 180mm.
Drilling capacity: 13mm.
End milling capacity: 16mm.
Face milling capacity: 30mm.
Headstock travel (Z): 180mm.
Cross axis: 100mm.
Longitudinal axis: 220mm.
Spindle rotary angle: ±45.
Output power: 350W.
Spindle speed:
Low range
0 - 1100rpm ±10%.
High range
0 - 2500rpm ±10%.
Spindle taper: MT#3.
T-slot: 12mm.
Net/gross weight: 50/68kg.
Packing size:
540 x 500 x 760mm.



FOR DIY USE
Not warranted for Industrial Use

Model Number	Volts	Motor	Order Code OSA-271
01490	240	350W (¾hp)	**-5500K**



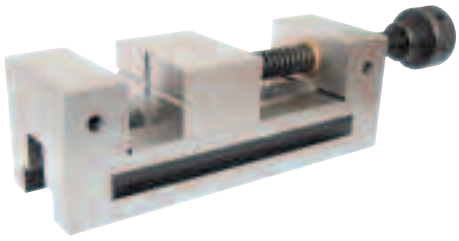




Toolmaker's Vices

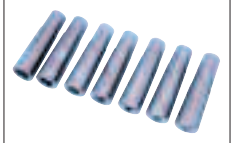
Made from alloy steel with a quick release mechanism and knurled grip handle. For use with mini milling/drilling machines.

Jaw dimensions (W x O x H):
100 x 85 x 28mm.



Jaw Dimension Width x Opening x Height	Order Code OSA-280
100 x 85 x 28mm	**-2410A**

10126



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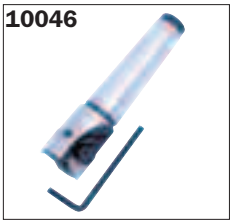
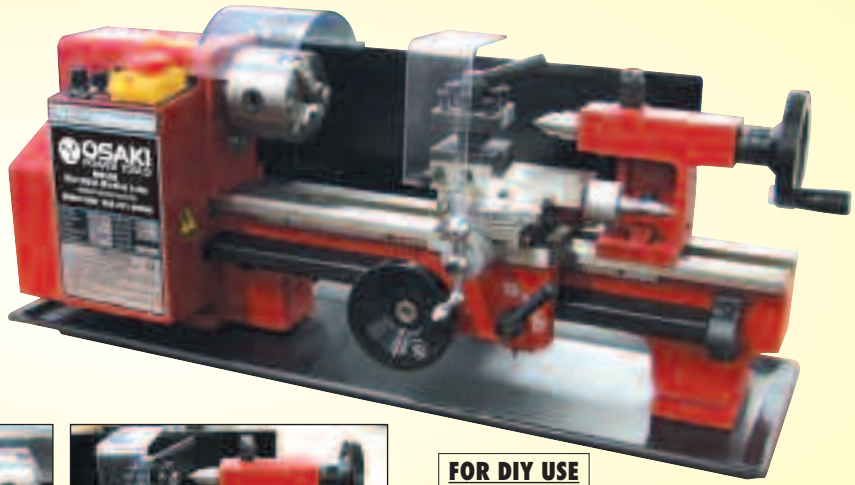


Product Number	Description	Order Code OSA-280
10126	3MT Direct Drive Collet Set	**-2411A**
10037	3MT Double Angle Collet Set	**-2412A**
10046	3MT Indexable Milling Cutter	**-2413A**
–	Chuck Guard Assembly	**-2414A**

Mini Metalworking Lathe

This little gem is ideal for model-making etc. Supplied with a self-centring three jaw chuck, four-way tool post, swarf tray, rear splash guard, emergency stop button and chuck guard. A variety of useful accessories are available (see list). Manufactured to meet European Machinery Directive 98/37/EC and is both CE and RoSH compliant.

Swing over bed: 180mm.
Distance between centres: 300mm.
Hole through spindle: 20mm.
Spindle taper: MT#3.
Tailstock taper: MT#2.
Spindle speed:
Low range: 0 - 1100rpm ±10%.
High range: 0 - 2500rpm ±10%.
Output power: 300W.
Range of threads: metric 0.4 -2.00mm (10 thread pitches) or inch 12 - 52 TP (8 thread pitches).
Net/gross weight: 37/40kg.
Packing size: 770 x 330 x 330mm.









FOR DIY USE
Not warranted for Industrial Use

Description	Volts	Motor	Order Code OSA-271
Mini Lathe	240	300W	**-5000K**

Optional Accessories

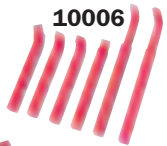
Supplied Separately

Product Number	Description	Order Code OSA-280
10007	160mm Diameter Face Plate	**-2400A**
10007A	Clamping Kit for Face Plate	**-2401A**
10010	4 Jaw Chuck (Independent)	**-2402A**
10005	11 Piece Brazed Turning Tool Set	**-2403A**
10006	6 Piece Brazed Turning Tool Set	**-2404A**
10130	Knurling Attachment	**-2405A**
10061	Milling Attachment	**-2406A**
–	Chuck Guard Assembly	**-2407A**

10005



10006



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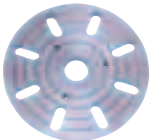

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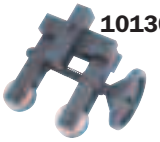

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10007A



10010



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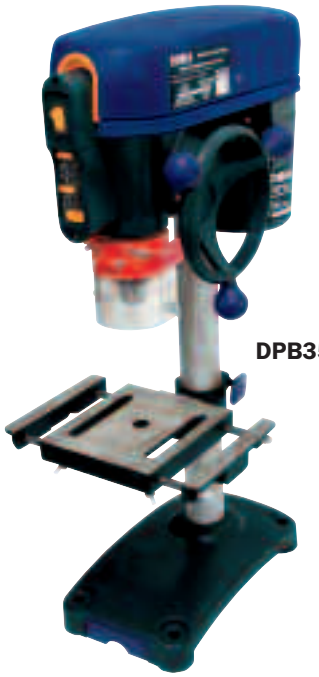
KOBE Bench Pillar Drills

Industry standard Morse Taper specification pillar drills, suitable for workshop and light industrial use with a tilting rise and fall work table, user friendly depth gauge, telescopic chuck guard, integral bit drawer and laser beam target guide for quick positioning of repeat work.

DPB350
This drill has a smooth running 350W motor which provides enough power to drill holes up to 13mm and five speeds for versatility and performance when drilling different materials.

Spindle taper: MT2.
Chuck: 13mm.
Drill capacity: 13mm.
Spindle travel: 50mm.
Speeds: 5.
Speed range: 580 - 2,650rpm.
Maximum distance - chuck/table: 250mm.
Maximum distance - spindle to column: 102mm.
Column diameter: 50mm.
Table size: 152 x 170mm.
Complete with side plates: 192 (max 272) x 170mm.
Base size: 320 x 190mm.

350 WATT
13 AMP
CLASS 2 LASER



DPB350



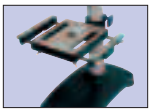
Laser Beam Target Guide



Multi-Speed



Drill Bit Storage



Extending Table



Thumb Wheel Depth Stop

Model Number	Net Weight	Order Code KBE-271
DPB350	24kg	-2030K

DPB500
More versatile than its smaller stable mate. 500W motor provides more power to drill holes up to 16mm with 12 speeds for increased performance when drilling on either the table or base.

Spindle taper: MT2.
Chuck: 16mm.
Drill capacity: 16mm.
Spindle travel: 65mm.
Speeds: 12.
Speed range: 425 - 2,545rpm.
Maximum distance - chuck/table: 355mm.
Maximum distance - chuck/base: 465mm.
Maximum distance - spindle to column: 126mm.
Column diameter: 60mm.
Table size: 200 x 200mm.
Complete with side plates: 200 x 340mm.
Base size: 380 x 250mm.

500 WATT
13 AMP
CLASS 2 LASER



DPB500



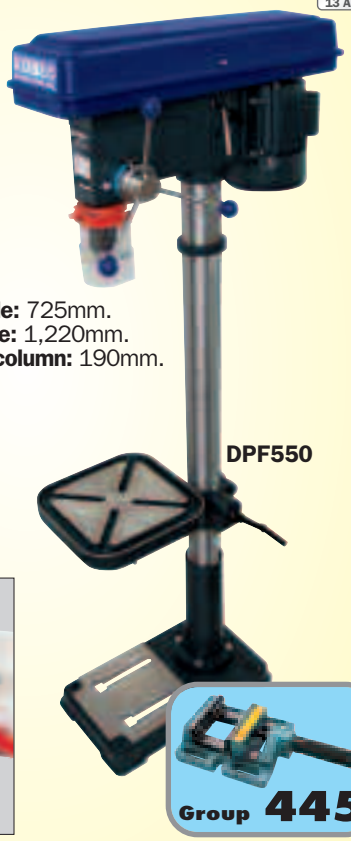
Model Number	Net Weight	Order Code KBE-271
DPB500	39.5kg	-2110K

Floor Standing Pillar Drill

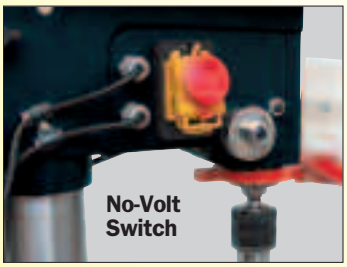
DPF550
Suitable for industrial use on much larger workpieces.
Its 550W motor and 12 speeds which give optimal performance when drilling holes up to 20mm. It also comes with a no-volt auto-release switch which turns off when voltage is removed by power cut etc. This stops the machine from starting up on its own when power is restored.
The tilting work table with rise and fall rack and pinion can rotate to the rear of the pillar to accommodate larger workpieces on the base plate.

550 WATT
13 AMP

Spindle taper: MT2.
Chuck: 16mm.
Drill capacity: 20mm.
Spindle travel: 80mm.
Speeds: 12.
Speed range: 200 - 2,600rpm.
Maximum distance - chuck/table: 725mm.
Maximum distance - chuck/base: 1,220mm.
Maximum distance - spindle to column: 190mm.
Column diameter: 80mm.
Table size: 300 x 300mm.
Base size: 500 x 300mm.



DPF550



No-Volt Switch

Model Number	Net Weight	Order Code KBE-271
DPF550	79kg	-2210K

OSAKI Power Tools 5-Speed Bench Drill

This versatile machine has a smooth running 350W motor for drilling holes up to 13mm. It can be set to five different speeds for versatility and performance when drilling different materials. Complete with a tilting rise and fall work table it operates from a standard 13amp plug.

Power input: 350W.
Motor output: 210W.
Supply voltage: 230V - 50Hz.
Spindle travel: 50mm.
Spindle taper: MT2.
Table size: 156 x 160mm.
Base size: 314 x 200mm.
Column diameter: 46mm.
Drilling speed: 580 - 2650rpm.
Sound power: 75.1dBA.
Sound pressure: 62.1dBA.
Maximum distance from spindle axis to surface of column: 104mm.
Maximum distance from spindle end to surface of table: 200mm.
Maximum distance from spindle end to surface of base: 290mm.
Overall size: 355 x 225 x 580mm.



FOR DIY USE
Not warranted for Industrial Use

Model Number	Voltage	Net Weight	Order Code OSA-279
PDB132	240V	19kg	-9340K

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KOBE Portable Petrol Generator

GPP230

- Ideal for builders, contractors, mobile caterers, etc.
- Powers lighting, freezers, power tools, water pumps and other electrical items. • Brushless alternator type.
- 2.3kVA/2.3kW maximum power.• 2kVA/2kW continuous power
- One 220V AC and one 110V AC outlet.• Voltmeter.
- Circuit breakers.
- 12ltr fuel tank with fuel level indicator.
- Approximately 9hrs running time.
- Motor: 4-stroke, 6.0hp, OHV, single cylinder, air cooled engine that runs on unleaded petrol.
- Low oil alert and shutdown.
- Recoil starter.
- Anti-vibration mounts.

Dimensions (H x W x D):
425 x 515 x 430mm.



Product Number	Motor	Weight each	Order Code KBE-273
GPP230	6.0hp	42.0kg	-3100K

OSAKI POWER TOOLS Oil-free Compressor

13 AMP

GTS800

Suitable for DIY and hobby use, this oil-free compressor is easy to start up and dry and clean to use. It operates from a standard 13 amp plug and is mounted on wheels for easy manoeuvrability. Features automatic safety valve, pressure cut-off switch, thermal overload protector and fully automatic stop/start control.

NEW



Receiver Size	Weight each	Order Code OSA-273
24ltr		-0120K

2 Stroke Petrol Generator

13 AMP

GTS800

- Suitable for DIY and hobby use.
- Runs small power tools, freezers lights etc.
- Smooth running 2-stroke 2hp easy start engine.
- 5.8hrs running time from a 4.2ltr fuel tank.
- 800W peak power, 650W continuous.
- 12V DC battery charging outlet with lead and clamps.
- Maintenance free brushless alternator.
- 13amp 240V outlet socket.
- Overload circuit breakers.
- Anti-vibration feet.

Dimensions (H x W x D):
365 x 360 x 330mm.



Product Number	Motor	Weight each	Order Code OSA-273
GTS800	2.0hp	20.5kg	-3000K

Oil-free Compressors

1.5hp 6ltr Compressor

This compressor may be small in size and weight (only 18.6kg) but it has an output of up to 8bar producing up to 115psi and 140ltr/min. Suitable for DIY, home improvement and workshop use, NOT suitable for continuous use.



MOTOR 1.5hp

RECEIVER 6ltr

Product Number	Motor	Maximum Delivery	Maximum Pressure	Receiver Size	Order Code KBE-273
CNL156	1.5hp	5.0cfm	8bar	6ltr	-1000K

2hp 23ltr Compressor

These Direct Drive oil-free compressors are built of quality materials to ensure trouble free use and can be run on a normal 240V domestic supply. Robust in manufacture, they all come with a pressure cut-off switch, fully automatic stop/start control, tank and line pressure gauges and an air outlet regulator. Robust 2hp direct drive motor producing an 8bar/115psi working pressure and an air supply of 8cfm/230ltr/min which is enough to run most air tools.



MOTOR 2.0hp

RECEIVER 23ltr

Product Number	Motor	Maximum Delivery	Maximum Pressure	Receiver Size	Order Code KBE-273
CNL223	2.0hp	8.0cfm	8bar	23ltr	-1050K

2hp 46ltr Compressor

These Direct Drive oil-free compressors are built of quality materials to ensure trouble free use and can be run on a normal 240V domestic supply. Robust in manufacture, they all come with a pressure cut-off switch, fully automatic stop/start control, tank and line pressure gauges and an air outlet regulator. Robust 2hp direct drive motor producing an 8bar/115psi working pressure and an air supply of 8cfm/230ltr/min which is enough to run most air tools.



MOTOR 2.0hp

RECEIVER 46ltr

Product Number	Motor	Maximum Delivery	Maximum Pressure	Receiver Size	Order Code KBE-273
CNL246	2.0hp	8.0cfm	8bar	46ltr	-1100K

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OSAKI POWER TOOLS High Pressure Washers

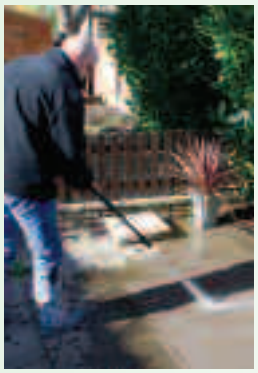
For easy cleaning of vehicles, patios and other light duty applications. Compact and portable design with 5m length high pressure hose and trigger gun. Automatic on/off. Adjustable lance nozzle for fan or open jet wash pattern and an attachable soap dispenser bottle. Comes with 5m length of power cord.

HPW090
Power: 1.5kw.
Max rated pressure: 90bar.
Max water flow: 360ltr/hr.
Dimensions (L x W x H):
290 x 330 x 610mm.

FOR DIY USE
Not suitable for Industrial Use

90 BAR

NEW





Product Number	Weight each	Order Code OSA-279
HPW090	12.14kg	-9610K

Accessory Kit



To suit: **OSA-279-9610K, OSA-279-9620K.**

Kit contents:
wash brush, rotating head brush, water hose, pipe cleaning hose, tap connection coupling, hose coupling and turbo lance.

Product Number	Weight each	Order Code OSA-280
PWA010	2.1kg	-1705W

HPW110
Power: 1.8kw.
Max rated pressure: 110bar.
Max water flow: 360ltr/hr.
Dimensions (L x W x H):
290 x 330 x 1065mm.

110 BAR

NEW

Winding Handle







Group 780

Product Number	Weight each	Order Code OSA-279
HPW110	14.6kg	-9620K

Spare Parts

To suit: **OSA-279-6100K, OSA-279-6110K, OSA-279-9610K, OSA-279-9620K.**

Spare Parts:
Replacement lance and trigger assembly.
Replacement 5m high pressure hose.

Description	Order Code OSA-280
Lance & Trigger Assembly	-1701W
Long Hose	-1702W

OSAKI LAWN AND GARDEN Submersible Water Pump

WPS 400
Suitable for the effective drainage of cellars, cisterns and the general transfer of water. Can handle solids up to 5mm diameter.
Easy to remove filters for cleaning and access to the impeller.
Automatic float switch.
Strong double insulated case.
Multi-hose adaptor-accepts 25 or 32mm outlet hoses.
Overload protection.

Motor: 400W (230V - 50Hz).
Max. flow rate: 7,500ltr/hr.
Max. delivery height/ submersible depth: 5m.

400 WATT

230V



Model Number	Order Code OSA-279
WPS 400	-0560K

KOBE Submersible Water Pump

WPS 750
Suitable for the effective draining of cellars, cisterns and the general transfer of water. Capable of continuous and reliable running, strong double insulated case with no metal parts are in contact with the water. Overload protection and easy to remove filters for cleaning and access to the impeller.
Fitted with an automatic float switch and a multi hose adaptor (25, 32, 38mm), can handle solids up to 5mm diameter.

Motor: 750W.
Maximum delivery height: 8.5m.
Power cable: 10m.
Flow rate: 230ltr.

750 WATT

240V



Model Number	Order Code KBE-279
WPS 750	-4470K

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OSAKI POWER TOOLS Multi Purpose Power Tool

219-Piece
The multi-tool includes a 1.1m flexible drive making it ideal for small DIY and craft jobs such as drilling, polishing, grinding and engraving. Complies with EN regulations and EC directives for CE certification.

Accessories include: 219 piece kit including grinding wheels, mounted points, carbide burrs, sanding bands, wire wheels and more.
1.1m flexible extension shaft.

Nominal voltage: 230V ~ 50Hz.
Power consumption: 130W.
No load speed: 8,000 - 30,000rpm.
Noise: 82db(A).
Weight: 674g.



Model Number	No Load Speed (rpm)	Power Input	Order Code OSA-279
MP32E	8,000 - 30,000	130W	-8510K

Electric Engraver Kit

Electric hand held engraver with positive on/off switch and five position stroke adjuster for varied engraving depths. For use on metals, plastics, glass, ceramics, wood and leather.

- Soft grip. • 1.8m cable.
- Includes two tips and template for letters and numbers.



NEW

FOR DIY USE
Not warranted for Industrial Use

Model Number	Order Code OSA-279
ENG003	-9810K

Replacement Tips
Supplied as a packet of 5.

Pack Quantity	To suit	Order Code OSA-280
5	ENG003	-3100A

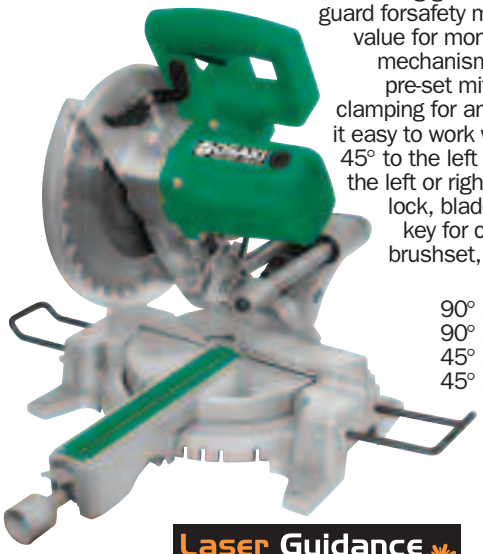
250mm Sliding Compound Mitre Saw

1900 WATT

MS254

Supplied with a 30T blade as standard plus an extra 60T blade for fine cutting. The powerful 1,900W motor, 5,300rpm blade speed, electric brake, laser cutting guide and auto return blade guard forsafety make this saw amazing value for money. Its positive locking mechanism for quick selection of pre-set mitre angles and manual clamping for angles in between make it easy to work with. It can bevel up to 45° to the left and mitre up to 45° to the left or right. It also has a spindle lock, blade wrench and hexagon key for changing blades, spare brushset, dust bag and manual.

Cutting capacity:
90° x 90° – 70 x 310mm.
90° x 45° – 70 x 210mm.
45° x 90° – 40 x 310mm.
45° x 45° – 40 x 210mm.



Laser Guidance

EXTRA BLADE INSIDE

Voltage	Weight each	Order Code OSA-279
240V	1.90kg	-4780K

185mm Circular Saw

1350 WATT

SC185

Laser guidance for precision cutting. Low weight, durable magnesium alloy gear housing.
Smooth running 1,350W motor, 230 - 240V/50Hz supply.

Cutting capacity:
@90° 62mm/
@45° 43mm.
Supplied with:
two carbide-tipped blades 24T and 40T fine blade.
Soft grip handle.



Laser Guidance

EXTRA BLADE INSIDE

Voltage	Weight each	Order Code OSA-279
240V	4.20kg	-3650K

Wood Planer 82mm

910 WATT

PWE910

This robust wood planer has adjustable cutting depth for precise material removal. Supplied with a spare set of twin TCT blades, parallel guide, rebating shoe and a dust collecting bag.

Input power: 910W.
Voltage: 240V.
No load speed: 15,000rpm.
Planing depth: 3mm.



EXTRA BLADE INSIDE

Model Number	Order Code OSA-279
PWE910	-9100K

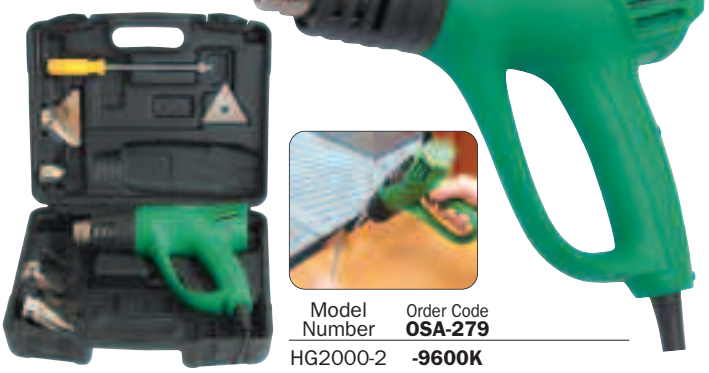
Description	Order Code OSA-298
Spare Blades	-1770A

2000W Hot Air Gun Kit

HG2000-2

Overheating protection. Can be positioned on a work surface facing upwards for hands free use. Air intake with 'hit and miss' air vent to keep out foreign matter. Useful for soldering, welding PVC, shaping, drying, shrink-fitting, stripping paint, removing sticky labels, drying wet timber prior to filling, etc. Supplied with accessories and moulded case.

Working temperature: 450 - 600°C.
Rating voltage: 220 - 240V - 50Hz.
Input power: 2,000W.



Model Number	Order Code OSA-279
HG2000-2	-9600K

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3.6V Screwdriver

CS36Li

Suitable for DIY, home improvement and forworkshop use, its compact design allows you to get into tight spaces and it weighs only 350g. Powered by a high capacity lithium-ion battery with three colour LED battery condition lights, it has an ergonomic bi-material grip for comfort.
The seven torque settings, forward/reverse/spindle lock and integral three LED worklight make it a versatile tool, ideal for kitchen/bedroom fitters etc.







Battery Condition Indicator

Voltage	Weight each	Order Code OSA-279
3.6V	350g	-7100K

13mm Impact Drill

IDH013

Suitable for DIY and hobby use. Variable speed forward and reverse. Heavy duty two speed gearbox.
Switches easily from rotary to impact action.
Locking side handle with integral metal depth stop.

Power input: 1,050W (230 - 240V).
No load speed: 0 - 1,100/3,000rpm.
Chuck capacity: 13mm.
Capacities: wood 30mm, steel 13mm, concrete 16mm.
Overall size (H x W x D): 360 x 260 x 100mm.

1050W





Rotary or hammer action

Heavy duty two speed gear box

Model Number	Weight each	Order Code OSA-279
IDH013	3.40kg	-9660K

Tile Cutter

TC08-450

Suitable for DIY and hobby use. Designed for cutting porcelain, glazed ceramic, slate, quarry and natural stone tiles. It features a 450W - 240V electric motor, 180mm continuous rimmed diamond cutting blade, 45° cutting guide, and a 3.5ltr capacity water reservoir. Safety features include blade guard, thermal overload protection and magnetic, VDE-approved safety switch.

NEW



No-volt release switch



0° to 45° tilt for angled cuts



Motor	Voltage	Order Code OSA-279
450W	240V	-8760K

150mm/6" Bench Grinder - 250W

BG03-150-1

This electric bench grinder has a smooth running 250W motor, adjustable work support and spark deflectors/eye shields. It takes 150 x 20 x 12.7mm wheels and is supplied with a 36 grit wheel on the left and 60 grit wheel on the right.



FOR DIY USE
Not warranted for Industrial Use

Motor	Weight	Order Code OSA-279
250W	7.5kg	-8000K

ABRASIVES & POWER TOOLS

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KOBE Multi Purpose Tool Kit

MPTK130EK
Cushion grip body. Six position speed dial. Spindle lock button. Fitted with a quick change collet nut system. Ideal for a wide range of smaller DIY and craft jobs as an alternative to larger power tools. Supplied in a fitted aluminium case.



Accessories included:
Flexible rubber drive shaft: for use where maximum flexibility is required, to improve access in confined spaces. Bench clamp and tool steady.

118 Piece Accessory Kit Includes: various collets, cutters, drills, abrasives, brushes, burrs, wheels, discs and mandrels.

Bench Clamp & Tool Steady: To fix tool steady to a work bench or table to hold the multi tool in place when using the flexible drive shaft.





Model Number	No Load Speed (rpm)	Power Input	Weight each	Order Code **KBE-279**
MPT130EK	8,000 - 30,000	130W	640g	**-2200K**

Description	Order Code **KBE-280**
Flexible Drive	**-4800K**
Tool Stand	**-4810K**

Multi-Tool Accessory Kit

Fitted plastic case containing 53 piece multi-tool kit for a range of surface cleaning and polishing tasks.

NEW

Contents:
1x silicon carbide sanding wheel with 1/8" diameter shank,
1x aluminium oxide sanding wheel with 1/8" diameter shank,
1x holder 1/4" x 1/2", 1x holder 1/2" x 1/2",
1x mandrel shank diameter: 1/8",
1x nylon end brush,
1x wire cup brush,
2x grinding wheel 1/8" x 13/16",
30x cutting disc 1/32" x 15/16",
6x sanding band 1/2" x 1/2",
8x sanding band 1/4" x 1/2".

53 PIECES





Number of Pieces	Order Code **KBE-280**
53	**-3380K**

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KOBE Multi Tool Accessories

Suitable for use with KOBE, DREMEL and OSAKI Multi Tools.

Diamond Coated Burrs

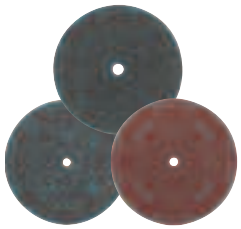
Use with 3.2mm (⅛") 3 jaw collet.



Style & Diameter (mm)	Order Code KBE-280
Cylindrical 10.0	-3232K
Ball 2.4	-3234K

Flat Cut-off Wheels

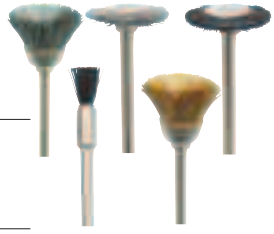
Supplied in packs of 20.



Diameter (mm)	Order Code KBE-280
Reinforced	
32	-3237K
Non-reinforced	
24	-3238K
32	-3239K

Wire Brushes

For the removal of paint, rust and burrs.



Type & Shape	Diameter x Length	Order Code KBE-280
Steel Cup	20 x 10	-3326K
Brass Cup	20 x 10	-3329K
Steel Wheel	19 x 1.2	-3332K
Bristle Wheel	19 x 1.2	-3335K
Bristle Flat End	3.2 x 9	-3338K

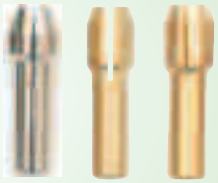
Mandrel



Product Number	Shank Dia.(mm)	Order Code KBE-280
M2	3.2	-3370K

Replacement 3 Jaw Collets

Suits Kobe and Osaki Multi Tools.



For Shank Size (mm)	Order Code KBE-280
1.6	-3361K
2.4	-3362K
3.2	-3364K

Collet Nut Wrench

Suits Kobe and Osaki Multi Tools.



AF Size	Order Code KBE-280
10mm	-3366K

Mounted Points & Wheels

3mm shank. 'W' numbers are for Wheels (for flat surface grinding).
'B' numbers are for points (Shaped for contour grinding).



Shape Number	Diameter x Length	Order Code KBE-280
B52	10 x 18	-3253K
W193	16 x 10	-3256K

Grey Silicon Carbide

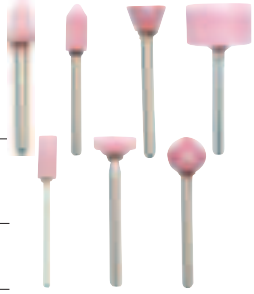
Use on stone, glass, ceramics and non-ferrous metals.



Shape Number	Diameter x Length	Order Code KBE-280
B53	8 x 15	-3283K
B121	12 x 12	-3286K

Pink Al-ox

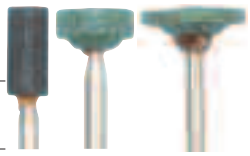
For use on harder metals where greater precision is required (lower stock removal rate).



Shape Number	Diameter x Length	Order Code KBE-280
B44	6.5 x 10.5	-3262K
B54	6.35 x 13.5	-3265K
B83	10 x 6.5	-3268K
B1222	9.8 x 9.8	-3271K
W164	6.35 x 14	-3274K
W173	10 x 3.2	-3277K
W193	16 x 10	-3280K

Green Silicon Carbide

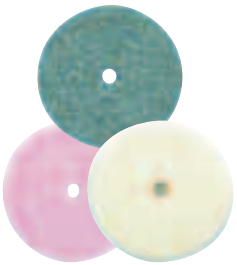
For applications requiring a harder abrasive offering greater precision and durability (lower stock removal rate).



Diameter (mm)	Diameter x Length	Order Code KBE-280
W164	6 x 12	-3292K
W173	10.5 x 3	-3301K
W181	13 x 1.5	-3289K

Grinding Wheels

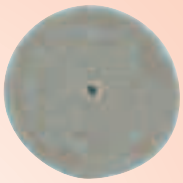
Silicon carbide: for use on stone, ceramics and non-ferrous metals.
Pink Al-ox: high hardness, use on metals.
White Al-ox: free cutting, use on metals.



Diameter (mm)	Diameter x Length	Order Code KBE-280
20	Silicon Carb.	-3244K
	Pink Al-ox	-3247K
	White Al-ox	-3250K

Polishing Wheel

Impregnated with silicon carbide.
Use with spindle shown below



Diameter x Width (mm)	Order Code KBE-280
22 x 3	-3311K

Felt Polishing Bobs

For use with polishing compounds to produce a high finish. Use with spindle shown below.



Shape	Diameter x Length	Order Code KBE-280
Cone	10 x 20	-3321K
Wheel	12.5 x 6	-3322K
Wheel	25 x 6.5	-3323K

Spindle

To suit above, taper screw.

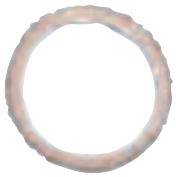


Product Number	Shank Dia.(mm)	Order Code KBE-280
M1	3.2	-3371K

Sanding Bands

Al-ox abrasive for shaping and smoothing wood and fibreglass and removing rust.
Quick change, use with holders shown below.

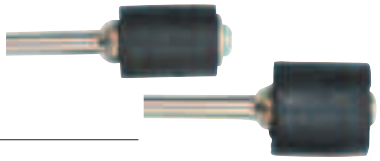
Supplied in packs of 10.





Diameter x Length	Grit Size	Order Code KBE-280
10 x 12.5	P60	-3345K
	P120	-3347K
12.5 x 12.5	P60	-3349K
	P120	-3351K

Holders



Diameter x Length	Shank Size	Order Code KBE-280
10 x 12.5	3	-3359K
12.5 x 12.5	3	-3360K

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KOBE 18V 2-Speed Cordless Combi Drill

DDH180

Lightweight and well-balanced with a soft grip design, this drill has a built in LED light, 13mm keyless chuck, hammer-drill/drill-driver mode selection collar and 20 stage torque adjustment collar. The variable speed with electric brake and reversible control switch gives it maximum versatility in driver mode.

No load speed: 0 - 400/0 - 1,400rpm.
Max torque: 35Nm.
Blows per minute: 21,000bpm.
Drilling capacity: mild steel 13mm, softwood 28mm, concrete 13mm.
Batteries: 2x 1.5Ah, 18V DC.







Model Number	Weight each	Order Code KBE-279
DDH180	4.05kg	-0090K

Spare Battery & Charger

Item	Order Code KBE-280
18V Li-Ion	-5790K
18V Charger	-5840M

10.8V Drill Driver & Impact Driver Cordless Twinpack

Lightweight, high impact, heavy duty and compact design with built-in LED light and ergonomic, soft grip handles. Ideal for applications in tight spaces. 30 minute charging time. Twinpack contains 10.8V Cordless Drill Driver and Impact Driver with 2 Li-ion battery packs and 1 battery charger. Supplied in carry case with shoulder strap.

NEW







Item	Order Code KBE-279
10.8V Drill/Driver	-0070K

Spare Battery & Charger

Item	Order Code KBE-280
10.8V Li-Ion 1.5Ah	-9300K
10.8V Charger	-9310K

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KOBE Variable Speed Impact Driver

AID14.4
Soft grip design. Quick release. Integral battery level indicator.
Heavy duty motor and gearbox.
High impact speed.

No load speed: 0 - 2,300.
Rated impact rate: 0 - 3,000bpm.
Maximum torque (kg-fcm): 1,300.
Screwing capacity:
Mechanical screws: M4 - M8.
Standard screws: M5 - M12.
High tension screws: M5 - M10.
Batteries: 2x 1.3Ah NiMH.
Charge time: 1hr.







14.4V NiMH | 130 Nm | x2 | 1HR

1/4" HEX
FOR DIRECT DRIVE

Model Number	Weight each	Order Code KBE-279
AID14.4	1.60kg	-0600K

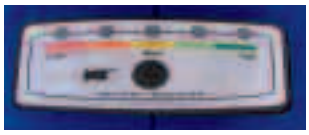
Spare Battery & Charger

Item	Order Code KBE-280
14.4V, 1.3Ah NiMH	-2024W
230V Charger	-5903A

Variable Speed Cordless Impact Wrench

AIW14.4V
This quality industrial tool is lightweight and well balanced. Soft grip design, 1/2" square final drive. Forward/reverse. Integral battery level indicator.
Heavy duty motor and gearbox and variable speed trigger, high impact speed.

No load speed: 0 - 2,300rpm.
Maximum torque: 1,300kg-fcm.
Impacts per minute: 0 - 3,000ipm.
Batteries: 2x 1.3Ah NiMH.
Charge time: 1hr.







14.4V NiMH | 130 Nm | x2 | 1HR

1/2" SQUARE
FOR POWER SOCKETS

Model Number	Weight each	Order Code KBE-279
AIW14.4V	1.75kg	-0660K

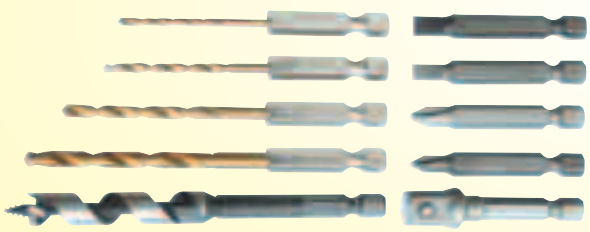
Spare Battery & Charger

Item	Order Code KBE-280
14.4V, 1.3Ah NiMH	-2024W
230V Charger	-5903A

Impact Driver

AIL7.2LI
Compact and lightweight design allows you to get into tight spaces.
Powered by a high capacity lithium-ion batteries.
Rubber grip. Impact drive. Quick release 1/4" hexagon chuck.
Forward and reverse. LED work light.

Complete with:
carrying case, charger, 4x hexagon screwdriver bits,
1x 1/4" hexagon to 3/8" square drive adaptor,
5x hexagon shank drill bits.





7.2V Li-Ion

Model Number	Weight each	Order Code KBE-279
AIL7.2LI	0.80kg	-4020K

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KOBE Angle Grinders

700W motor. Aluminium alloy gear housing. Slim low profile body design for easy use and access. Multi-position side handle. Disc guard can be turned 60°. Spindle locking device. Disc not included.

Rated voltage: 240V.
Frequency: 50Hz.
No load speed: 11,500rpm.

700 WATT
100mm
115mm



Model Number	Disc Size	Spindle Thread	Order Code KBE-279
KAG 100	100	M10	-1420D
KAG 115	115	M14	-1420G

'Combi-Sand' Belt & Disc Sander

370 WATT

Light enough to be semi-portable, yet its robust construction makes it ideal for workshop use. It has a disc sanding table suitable for finish sanding and curve sanding. The disc table also tilts to 45° for bevel sanding and when used with the mitring guide is ideal for sanding compound angles. The sanding belt is ideal for flat surface sanding but tilts up to 90° for end sanding. Can be directly connected to dust extraction (highly recommended) by way of the 61mm outlet port on the end of the sander.

Power input: 370W.
Sanding disc: 150mm PSA (Stikit).
Sanding belt: 100 x 914mm (4" x 36").





Model Number	Weight each	Order Code KBE-271
SBD370	17.0kg	-4140K

Bench Grinders

Industrial quality, for the professional user. Adjustable tool rest and spark deflector. Maintenance-free motor. Eye shield. Smooth and quiet operation. **CE** approved.

150mm
Voltage: 240V.
Speed: 2,800rpm.
Maximum grinding wheel width: 25mm.
Spindle diameter: 15mm.

385 WATTS



Voltage	Weight each	Order Code KBE-261
240V	11.0kg	-1060K

200mm
Voltage: 240V.
Speed: 2,800rpm.
Maximum grinding wheel width: 25mm.
Spindle diameter: 15mm.

385 WATTS



Voltage	Weight each	Order Code KBE-261
240V	21.2kg	-1080K

Pedestal & Wall Mounted Bench Grinder Stands

Four point fixing suitable for securely fixing bench grinders to the wall or floor.
Manufactured from heavy gauge steel, all welded construction painted finish. Each mounting plate can accommodate various sizes of grinder base.





Description	Order Code KBE-261
Pedestal Stand	-1220K
Wall Mounted Stand	-1250K





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KOBE Belt & Disc Sander

250 WATTS
125 mm

KBDS230
Semi-portable and bench mounting, making it ideal for use in joiners and carpenters' workshops. For sanding hard and soft woods, most plastics and non-ferrous metals. Suitable for bevel sanding, flat surface sanding, end sanding and curved edge sanding. Tilting worktable (0 - 45°) and adjustable horizontal angle guide.

Power input: 250W.
Voltage: 230V.
Belt size: 25 x 762mm.
Disc size: 125mm diameter.
2x dust extraction outlets.

Supplied with: 1x 125mm P80 sanding disc, 1x 25 x 762mm P80 sanding belt.



NEW

Voltage	Weight each	Order Code KBE-271
230V	7.36kg	-4150K

File Belts to Suit

Suitable for a wide range of power tools. Aluminium oxide designed for a wide range of materials including metal, steel, aluminium and non-ferrous metals.

Size W x L:
25 x 760mm



Grit	Order Code YRK-204
P36	-5100K
P60	-5130K
P80	-5140K

Adhesive Backed Discs to Suit

A range of adhesive backed discs - plain.



Size (mm)	Grit	Order Code PRO-202
125	P40	-0008A
	P60	-0009A
	P80	-0010A
	P120	-0011A

Belt & Disc Sander

250 WATTS
VARIABLE SPEED

KSS406
High performance scroll saw suitable for home woodworking and model making projects, pattern makers and technical colleges. Rigid construction eliminates vibration in use. Variable speed motor gives ultimate control regardless of the material being cut. Features a 405mm throat capacity, and variable cutting speed range from 550 to 1600spm. Parallel arm design ideal for cutting curves. Dust blower to keep work area free of sawdust. Table can be adjusted 0 - 45°. Adjustable safety guard and drop foot. Cast iron base.

Variable speed: 550 - 1,600SPM.
Max cutting length: 405mm.
Max cutting depth: 50mm.
Stroke: 20mm.
Table size: 415 x 255mm.
Supplied with:
pinless blade adaptors,
blades: 1x 133 x 3mm x 15TPI and 1x 133 x 2mm x 18TPI.

NEW



Voltage	Weight each	Order Code KBE-271
230V	11.5kg	-8520K

Wet & Dry Vacuum Cleaner & Blower

1200 WATTS
30 ltr

Lightweight, compact and portable design with powerful 1,200W two stage motor. Vacuums up dirt, debris and liquid. Low noise model with 30 litre capacity and safety shut-off for wet operation.

Supplied with:
2 metre vacuum hose,
2x aluminium extension pipes,
32mm brush tool,
squeegee tool,
round brush tool,
crevice tool,
paper filter cartridge,
cylinder for wet vacuuming and
11 litre fleece vacuum bag.

NEW



Filter

Voltage	Weight each	Order Code KBE-279
230V	11.0kg	-3140K

Wet & Dry Vacuum Cleaner

2400 WATTS
1200 WATTS
55 ltr

Suitable for industrial and commercial use. Two powerful motors, 1,200W and 2,400W for superior performance in cleaning large areas. Portable design with swivel stainless steel drum for easy emptying of waste and liquids. Trolley with two front swivel castor wheels for ease of movement and two large rear fixed wheels for enhanced stability.

Supplied with:
3 metre vacuum hose,
2x stainless steel extension pipes,
38mm brush tool,
crevice tool,
squeegee tool,
round brush tool,
crevice tool,
paper filter cartridge
for dry vacuuming and cloth filter for wet vacuuming.

NEW



Vacuum bag connector

Voltage	Weight each	Order Code KBE-279
230V	25.5kg	-3170K

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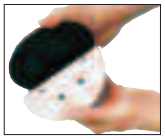
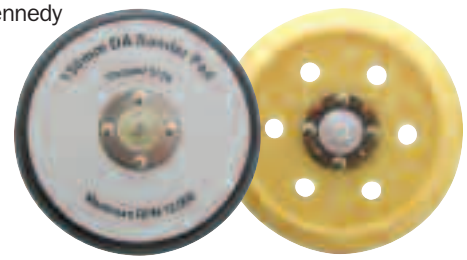
KENNEDY Flexible Backing Pads for Velcro Sanding Discs

Suitable for use with Kennedy Hook-n-Loop and other 'velcro-type' sanding discs.

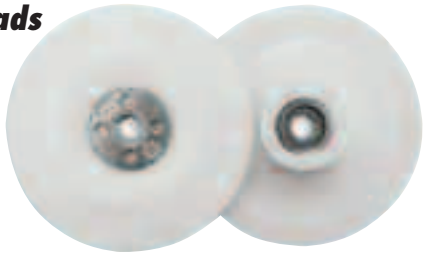




To Suit Disc	Thread Size	Hole Configuration	Order Code KEN-280
115mm	M14 x 2.0	No Hole	-3110K
125mm	M14 x 2.0	No Hole	-3230K
	5/8" UNC	No Hole	-3210K
150mm	M14 x 2.0	No Hole	-3330K
	5/8" UNC	No Hole	-3310K
	5/16" UNF Male	No Hole	-3370K
	5/16" UNF Male	6 Hole	-3390K

Flexible Backing Pads

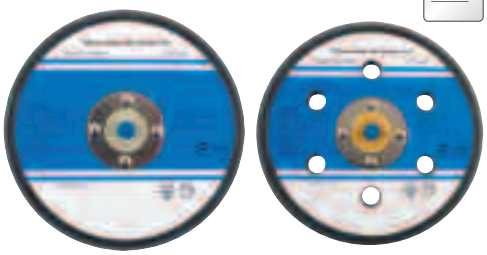
Suitable for use with all portable and air disc grinders and sanders. Recommended for use with York abrasive discs.



To Suit Disc	Thread Size	Order Code KEN-280
100mm	M10 x 1.25	-2010K
	M10 x 1.5	-2030K
	3/8" UNF	-2050K
115mm	M10 x 1.5	-2110K
	M14 x 2.0	-2130K
125mm	5/8" UNC	-2210K
	M14 x 2.0	-2230K
178mm	5/8" UNC	-2310K
	M14 x 2.0	-2330K
	5/8" UNC Quick Release	-2350K
	M14 x 2.0 Quick Release	-2370K

Flexible Backing Pads for Self-Stick Sanding Discs

Designed for use with orbital sanders

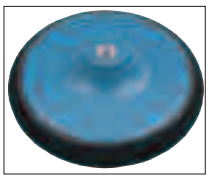


To Suit Disc	Thread Size	Hole Configuration	Order Code KEN-280
150	5/16" UNF	No Hole	-3870K
	5/16" UNF	6 Hole	-3920K

Tie Cord Bonnet Support Pads

High quality 23mm foam pads with rigid back plates. For use with all tie cord bonnets. Bonnets supplied separately. Max. 2,500rpm.





**125mm and 150mm pads are dual purpose - also for use with Velcro bonnets or foams.*

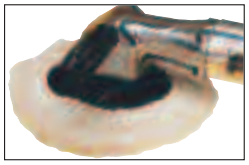
Bonnet Dia. (mm)	Thread Size	Order Code KEN-280
125*	M14 x 2	-3230K
	5/8" UNC	-3210K
150*	M14 x 2	-4030K
180	M14 x 2	-2420K
	5/8" UNC	-4020K

Sheepskin Bonnets

Genuine 100% natural long lasting sheepskin tie-on bonnets for professional use. For polishing metal, glass fibre, wood and painted surfaces. With tie cord. Maximum 2,500rpm - Best results are obtained with a tool speed of 1,500 - 2,000rpm. Not suitable for wet use. Support pads supplied separately, see below.







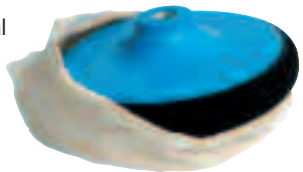
Merino Sheepskin Bonnets

With a unique double skin making this the longest lasting bonnet we know. For professional use. 32mm pile.

Diameter (mm)	Thread Size	Order Code KEN-280
150	55g	-5020K
180	60g	-3900K
225	60g	-3905K

Fabric Backed Lambs Wool Bonnets

Natural fabric backed wool bonnet. Ideal for use on surfaces of all colours. 20mm pile.



Diameter (mm)	Weight each	Order Code KEN-280
178	50g	-3910K

KOBE Sanding Discs

Hook-n-Loop Backed

No spanners required. 100% of disc can be used, material removal rate is therefore increased. Can be repeatedly removed and re-applied. Silicon carbide abrasive epecially suitable for automotive body preparation prior to spraying and for cutting back two-pack paint finishes. Can be used wet or dry.



Disc Diameter	Grade	Pack Quantity	Order Code KBE-280
50mm (2")	320	25	-0203A
	400		-0204A
	600		-0205A
75mm (3")	320	25	-0206A
	400		-0207A
	600		-0208A

Flexible Backing Pads for Velcro Sanding Discs

For use with Kobe Hook-n-Loop and other 'velcro-type' sanding discs, for rapid abrasive disc changing.



To Suit Disc	Thread Size	Order Code KBE-280
50mm	M6	-0201A
75mm		-0202A

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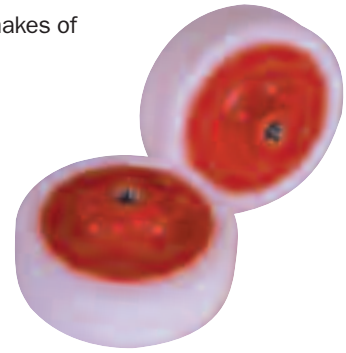
KENNEDY Buffing & Polishing Foams

A range of professional polishing foams for use with all makes of power tools.Offers a complete surface finishing solution. All pads are 150mm diameter x 50mm deep.



White Compounding Foam

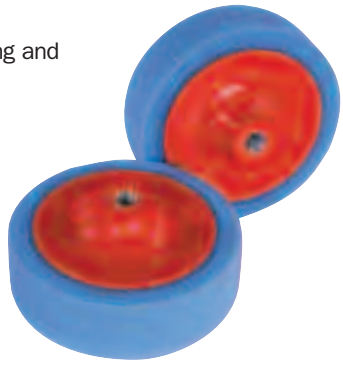
Excellent results with all leading makes of compound and polish.
Very firm material, ideal for all modern paints including LVHM.



Diameter (mm)	Thread Size	Order Code KEN-280
150	M14 x 2	-5260K
	5/8" UNC	-5280K

Blue Regular Compounding Foam

Softer, all purpose foam for polishing and compounding of cellulose and acrylic. With a medium density grade.



Diameter (mm)	Thread Size	Order Code KEN-280
150	M14 x 2	-5300K
	5/8" UNC	-5320K

Red Final Polishing Foam

Ultra soft reticulated foam for final polishing/finishing. Designed to allow free flow of air.



Diameter (mm)	Thread Size	Order Code KEN-280
150	M14 x 2	-5380K
	5/8" UNC	-5400K

KOBE Circular Saw Blades

NEW

HSS TCT circular saw blade for precision ground cutting angles on softwood, hardwood, MDF, plywood etc. Excellent blade sharpness and faster cutting make it ideal for general purpose use on both corded and cordless circular saws.

Coarse Pitch

TCT

Ripping blades, with fewer teeth per inch (less TPI). Suitable for cutting long grain solid wood.





Size Dia. x Thickness x Bore	Blade Type	Order Code KBE-280
160 x 2.4 x 30mm	12T - Coarse	-5695K
190 x 2.4 x 30mm	12T - Coarse	-5698K
235 x 2.8 x 30mm	24T - Coarse	-5702K

Medium Pitch

TCT

General purpose blades, with medium teeth per inch. For cutting both long grain and cross grain solid wood. These blades produce a good surface finish that requires less finishing.





Size Dia. x Thickness x Bore	Blade Type	Order Code KBE-280
150 x 2.4 x 16mm	24T - Medium	-5711K
150 x 2.4 x 20mm	24T - Medium	-5712K
160 x 2.4 x 16mm	24T - Medium	-5713K
160 x 2.4 x 20mm	24T - Medium	-5714K
180 x 2.4 x 20mm	24T - Medium	-5715K
184 x 2.4 x 16mm	24T - Medium	-5716K
190 x 2.4 x 16mm	24T - Medium	-5717K
190 x 2.4 x 30mm	24T - Medium	-5718K
200 x 2.4 x 30mm	30T - Medium	-5719K
210 x 2.4 x 30mm	30T - Medium	-5720K
230 x 2.8 x 30mm	34T - Medium	-5721K
235 x 2.8 x 30mm	34T - Medium	-5722K
250 x 2.8 x 30mm	40T - Medium	-5723K

Fine Pitch

TCT

Perfect for cross cutting, with high teeth per inch. Suitable for cross grain cutting solid wood, producing a smooth surface that requires less finishing.





Size Dia. x Thickness x Bore	Blade Type	Order Code KBE-280
184 x 2.4 x 16mm	40T - Fine	-5736K
190 x 2.4 x 16mm	40T - Fine	-5737K
190 x 2.4 x 30mm	40T - Fine	-5738K
216 x 2.4 x 30mm	64T - Fine	-5740K
235 x 2.8 x 30mm	48T - Fine	-5742K
250 x 2.8 x 30mm	60T - Fine	-5743K

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KENNEDY 110V Open Drum Cable Reel

Polycarbonate drum and side walls. Arctic grade cable. Maximum load 16A/1760W. Conforms with **BS 5733**.

1.5mm² core cable.



Cable Length	Weight each	Order Code KEN-281	
40m	8.50kg	-2840K	N/A

240V Site Extension - Square Pin

With fitted 240V/13A square pin plug and socket. Not suitable for use in wet conditions. Arctic grade cable. Conforms to **BS 4343 : 1968**.



Cable Length	Weight each	Order Code KEN-282	
3m	3.3kg	-2600K	N/A

KOBE Twin Socket Drum Cable Reel

Twin socket 240V open drum industrial cable reel. Metal frame with built-in carry handle with winding handle built into the high impact resistant drum.
Rated: 3120W/13A unwound. 1680W/7A wound. 25m cable supplied complete with fitted plug. Conforms to **BS 1363** and **BS EN61242:2004**.



Type	Cable Length	Weight each	Order Code KBE-281	
Open Drum	25m	3.90kg	-1050K	N/A

25m 110V Open Drum Cable Reel

Easy wind reel mechanism. High impact resistant drum and guide walls. 25m cable. Conforms to **BS 1363**.



Type	Cable Length	Weight each	Order Code KBE-281	
Open Drum	25m	4.40kg	-2500K	N/A

Twin Socket Cable Reel

Twin socket, versatile 10m cable reel for home and office use. Fully enclosed cassette with built-in carry and winding handle. Fitted with a safety cut-out switch. Lifetime guarantee.
240V rated: 2400W/10A unwound 20W/3A wound. Conforms to **BS 5733**.



Cable Length	Weight each	Order Code KBE-281	
10m	1.9kg	-1010K	N/A

4 Socket Cable Reels

4 socket, 240V/13A versatile cable reels for home and office use. Fully enclosed cassette with built-in carry and winding handle. Conform to **BS6500/1363A/EN61242**, fitted with a safety cut-out switch.

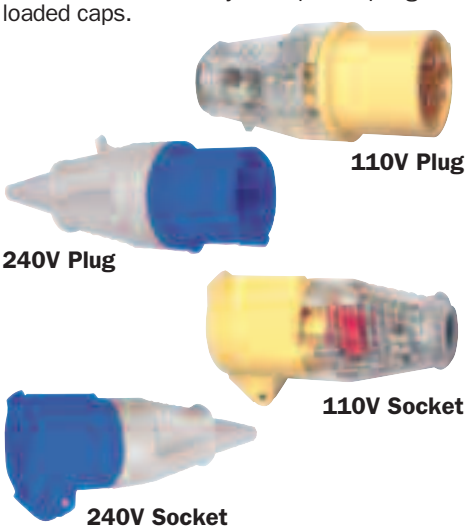


Cable Length	Weight each	Order Code KBE-281	
5m	1.2kg	-0060K	N/A
10m	1.7kg	-0070K	N/A
15m	1.3kg	-0080K	N/A

Site Plugs & Sockets

Rated to 16A over 6 hours.

Colour coded: 110V yellow, 240V blue. Conform to **BS 4343 : 1968**. Sockets fitted with fully waterproof spring loaded caps.



110V Plug

240V Plug

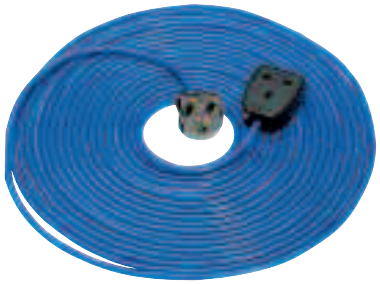
110V Socket

240V Socket

Voltage	Weight each	Order Code KEN-280	
3 Pin Plugs			
110V	110g	-1110K	N/A
240V	110g	-1115K	N/A
3 Pin Sockets			
110V	150g	-1120K	N/A
240V	150g	-1125K	N/A

240V Site Extension - Square Pin

With fitted 240V/13A square pin plug and socket. Not suitable for use in wet conditions. Arctic grade cable. Conforms to **BS 4343 : 1968**.



Voltage	Weight each	Order Code KEN-282	
240V	1.85kg	-2530K	N/A

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Ingress Protection (IP) Ratings

Ingress Protection (IP) ratings are developed by the **European Committee for Electro Technical Standardization (CENELEC) (described IEC/EN 60529)**, specify the environmental protection an enclosure provides. In order to comply with stringent requirements for **CE Marking,** machine makers today are fitting their machines with parts that are certified according to **EU (European Union)** and international standards.

The IP rating normally has two (or three) numbers:

IP First Number
Protection from solid objects or materials
IP Second Number
Protection from liquids
IP Third Number
Protection against mechanical impacts (commonly omitted)

Example - IP Rating

IP 5 4

5 describes the level of protection from solid objects and
4 describes the level of protection from liquids.

1 Protection against solid objects

0 No protection.
1 Protected against solid objects up to 50mm, e.g. accidental touch by hands.
2 Protected against solid objects up to 12mm, e.g. fingers.
3 Protected against solid objects over 2.5mm (tools and wires).
4 Protected against solid objects over 1mm (tools, wire, and small wires).
5 Protected against dust limited ingress (no harmful deposit).
6 Totally protected against dust.

2 Protection against liquids

0 No protection.
1 Protection against vertically falling drops of water e.g. condensation.
2 Protection against direct sprays of water up to 15° from the vertical.
3 Protected against direct sprays of water up to 60° from the vertical.
4 Protection against water sprayed from all directions o limited ingress permitted.
5 Protected against low pressure jets of water from all directions - limited ingress.
6 Protected against low pressure jets of water, e.g. for use on ship decks - limited ingress permitted.
7 Protected against the effect of immersion between 15cm and 1m.
8 Protects against long periods of immersion under pressure.

3 Protection against mechanical impacts (commonly omitted)

0 No protection.
1 Protects against impact of 0.225 joule (e.g. 150g weight falling from 15cm height).
2 Protected against impact of 0.375 joule (e.g. 250g weight falling from 15cm height).
3 Protected against impact of 0.5 joule (e.g. 250g weight falling from 20cm height).
4 Protected against impact of 2.0 joule (e.g. 500g weight falling from 40cm height).
5 Protected against impact of 6.0 joule (e.g. 1.5kg weight falling from 40cm height).
6 Protected against impact of 20.0 joule (e.g. 5kg weight falling from 40cm height).

KENNEDY Portable Task Light

3m CABLE

Using an energy saving 28W 2D fluorescent bulb that generates the same light as halogen but using far less energy. Tough poly-carbonate case and virtually shatterproof lens. Supplied with 3m rubberised mains lead. Ideal for all trades. **IP44 rated**



Input Voltage	Weight each	Order Code KEN-282
240V	1.52kg	**-4120K**

Mini-Pod Floodlight

3m CABLE

With epoxy coated, non-tipping frame, fitted plug and halogen tube. Made from top grade components and wire for industrial, heavy duty use.

Supplied with 500W halogen bulb and plug.

Maximum rating: 500W. Replacement head units available on request.



Input Voltage	Wattage	Weight each	Order Code KEN-282
240V	500W	2.5kg	**-3820K**

Gripper Lamps

22m CABLE

Clamp facility ideal for 'hands free' use. High strength metal clamp with rubber contact points. Glass bulb housing with sturdy plastic casing. 5m/16' cable length with fitted plug. CE approved. Bulb not included.



Input Voltage	Bulb Fitting	Max Rating	Order Code KBE-282
110V	Screw	60W	**-3200K**
240V	Bayonet	60W	**-3220K**

KOBE NEW

Rechargeable 108 LED Portable Floodlight

With 108 super bright LEDs, this portable floodlight is ideal for lighting garages, workshops and working environments where lighting is not available. Mounted on a steel frame with an adjustable head, it has a waterproof design which makes it suitable for indoor and outdoor use. Comes supplied with a Li-Ion rechargeable battery, mains AC adaptor and 12V in-car charger.

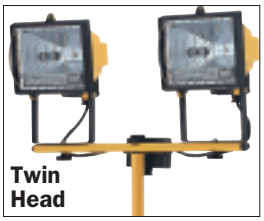


Battery	Order Code KBE-282
12V	**-2870K**

Work Lights

5m CABLE
EXTENDS TO 1.7m

400W tungsten halogen head fitted with 3m cable. Complete with tungsten halogen tube. Heavy duty aluminium telescopic tripod that extends from 0.7m to 1.74m.
IP54 rated.



NEW

Input Voltage	Head Type	Order Code KBE-282
240V	Single	**-2830H**
240V	Twin	**-2850H**

Spare Bulbs - Halogen

Suitable for use with all standard PIR lights, mini-pod floodlights, tripod site lights etc.

EXTENDED RANGE



Input Voltage	Wattage	Weight each	Order Code KEN-282
240V	500W	15g	**-3100K**
110V	500W	15g	**-3110K**
240V	150W	15g	**-3150K**

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KENNEDY Router Cutters

TCT

Manufactured from high speed steel with tungsten carbide tips. Suitable for use with all portable routing machines. Ideal for both craft work and production. Suitable for light duty and workshop use.

Two Flute Straight Plunging Bits

General purpose tool suitable for profiling, rebating and through slotting. Plunge cut when on the move.

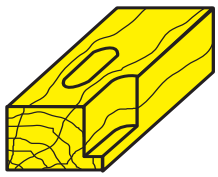


Cut Dia. x Cut Length x Overall Length	Weight each	Order Code KEN-287
¼" Shank Diameter		
3.2 x 11 x 51mm	10g	**-4100K**
4.0 x 11 x 51mm	10g	**-4120K**
5.0 x 11 x 51mm	10g	**-4160K**
6.0 x 19 x 51mm	10g	**-4200K**
6.0 x 25 x 57mm	10g	**-4220K**
8.0 x 19 x 51mm	12g	**-4360K**
12.0 x 25 x 57mm	25g	**-4580K**
20.0 x 19 x 51mm	30g	**-4840K**
25.0 x 19 x 51mm	40g	**-4920K**
25.4 x 19 x 51mm	45g	**-4940K**
½" Shank Diameter		
6.0 x 19 x 63mm	45g	**-5020K**
12.0 x 25 x 67mm	60g	**-5220K**
12.7 x 32 x 73mm	70g	**-5260K**
12.7 x 51 x 108mm	80g	**-5320K**
12.7 x 64 x 114mm	100g	**-5340K**
16.0 x 32 x 73mm	70g	**-5460K**
16.0 x 51 x 96mm	70g	**-5500K**
22.0 x 32 x 73mm	90g	**-5680K**
25.4 x 32 x 73mm	80g	**-5740K**
32.0 x 32 x 73mm	140g	**-5800K**

Two Flute Staggered Tooth Bits

TCT

Cutter for deep mortising and grooving. Staggered cutting edges give good chip clearance enhancing quality of cut.



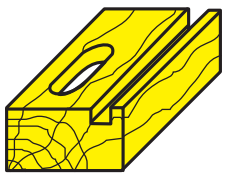


Cut Dia. x Cut Length x Overall Length	Weight each	Order Code KEN-287
⅜" Shank Diameter		
9.5 x 35 x 76mm	35g	**-3160K**

Single Flute Straight lunging Bits

TCT

For cutting grooves/apertures and general shaping work. Single flute for maximum support behind the cutting edge, giving strength, while providing large clearance for ease of chip flow promoting fast free cutting.



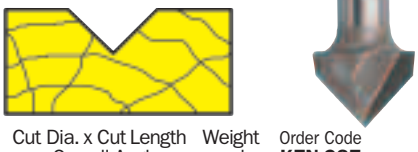


Cut Dia. x Cut Length x Overall Length	Weight each	Order Code KEN-287
½" Shank Diameter		
12.7 x 32 x 73mm	60g	**-0080K**
12.7 x 38 x 80mm	65g	**-0100K**

Cove Bits

TCT

With ball bearing guide. For edge mould on coving, picture frames etc.





Cut Dia. x Cut Length x Overall Angle	Weight each	Order Code KEN-287
¼" Shank Diameter		
12.7 x 45mm x 90°	10g	**-2480K**
19.0 x 51mm x 90°	15g	**-2540K**

Two Flute Rabbeting Bits

TCT

For producing rebates. With ball bearing guide ensuring accurate depth of cut. Ideal for straight and curved work.





Cut Dia. x Cut Length x Overall Length	Weight each	Order Code KEN-287
¼" Shank Diameter		
32.0 x 9.5 x 55mm	55g	**-1160K**

SENATOR QUALITY TOOLING Router Cutters

Grooving Bits

TCT

For veining work and decor of panels.





Cut Dia. x Cut Length x Cutting Angle	Weight each	Order Code SEN-287
¼" Shank Diameter		
12.7 x 40mm x 90°	10g	**-7340K**

Core Box Bits

TCT

For edge moulding, face grooving and fluting.





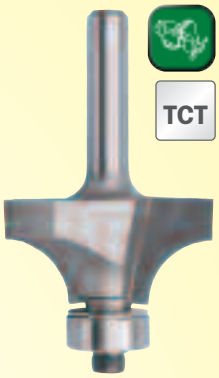
Cut Dia. x Cut Length x Radius	Weight each	Order Code SEN-287
¼" Shank Diameter		
12.7 x 8 x 6.3mm	10g	**-7240K**

Rounding Over Bits

TCT

With ball bearing guide for panel and edge moulding.



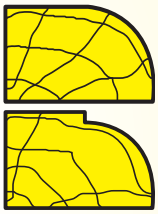


Cut Dia. x Cut Length x Radius	Weight each	Order Code SEN-287
¼" Shank Diameter		
28.6 x 17.0 x 9.5mm	40g	**-7450K**

Two Flute Rounding Over Bits

TCT

For panel and edge moulding work, such as table tops and window boards. For use with template guide.





Cut Dia. x Cut Length x Radius	Weight each	Order Code KEN-287
¼" Shank Diameter		
19.0 x 14.5 x 6.3mm	10g	**-2640K**

Router Cutter Set

12 PIECES

TCT

Two Flute Core Box Bit: 12.7mm diameter x 6.3mm radius.
Two Flute Core Bit: 22mm diameter x 6.3mm radius with ball bearing guide.
Two Flute Dovetail Bit: 12.7mm diameter x 14° side cutting angle.
Two Flute Chamfering Bit: 32mm dia. x 45° side cutting angle with ball bearing guide.
Two Flute Flush Trimming Bit: 12.7mm diameter with ball bearing guide.
Two Flute Straight Trimming Bit: 16mm diameter x 12.4mm cutting length.
Two Flute Rounding Over Bit: 22mm dia. 6.3mm radius with ball bearing guide.
Two Flute Straight Trimming Bit: 12mm diameter x 20mm cutting length.
Two Flute Straight Trimming Bit: 6mm diameter x 19mm cutting length.
Two Flute Rounding Over Bit: 28.6mm dia. x 9.5mm radius with ball bearing guide.
Two Flute Dovetail Bit: 12.7mm diameter x 90° inclusive cutting angle.
Two Flute Roman Ogee Bit: 25mm dia. x 14.5mm.



Number of Pieces	Weight each	Order Code SEN-287
12	650g	**-9000K**

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KENNEDY SDS Max Chisels

High grade forged-steel with shot-blast finish. Suitable for all tools with SDS Max system.

Moil Point - 500mm



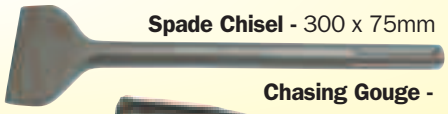
Flat Breaker Chisel - 500 x 25mm



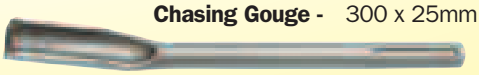
Wide Chisel - 400 x 50mm



Spade Chisel - 300 x 75mm



Chasing Gouge - 300 x 25mm



Type	Size (mm)	Weight each	Order Code KEN-289
Flat Breaker Chisel	500 x 25	1.0kg	**-2720K**
Point	500 x 18 x 5	1.0kg	**-2760K**
Wide Chisel	400 x 50	0.9kg	**-2780K**
Spade Chisel	300 x 75	0.7kg	**-2800K**
Chasing Gouge	300 x 25	0.7kg	**-2820K**

Air Tool Chisels with 0.401" Shank

For all brands of portable air chisels including CP, Desoutter, Kobe, Toku and YK.

Flat Chisel - 178 x 15mm.



Smoothing Hammer - 75 x 25mm.



Rivet Cutter - 145 x 25mm.



Panel Cutter - 150mm.



Taper Punch - 180 x 3mm.



Straight Punch - 180 x 12mm.



Bushing Splitter - 180 x 12mm.



Spot Weld - 180 x 12mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	150g	**-1070K**
Smoothing	100g	**-2300K**
Rivet Cutter	130g	**-2350K**
Panel Cutter	150g	**-2400K**
Taper Punch	150g	**-2450K**
Straight Punch	150g	**-2500K**
Bushing Splitter	170g	**-2550K**
Spot Weld	160g	**-2600K**

Power Tool Chisels

Hilti Style Chisels

For Hilti: TE54, TE72, TE92, TE504.

18mm Round Shank with Hilti Direct Fit Retainer.

Flat Chisel - 355 x 25mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	700g	**-1270K**

Kango Style Chisels

For Kango: 501, 627, 628, 637, 638, 430 - Type 750 shanks.

19mm Hex Shank with Single Flat & Round Tang

Flat Chisel - 380 x 25mm.



Wide Chisel - 305 x 50mm/305 x 75mm.



Moil Point - 380 x 3mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	800g	**-1330K**
Wide Chisel	700g 730g	**-1800K** **-1830K**
Moil Point	800g	**-2000K**

For Kango: 900K, 928, 950K, 978, 1400.
Hitachi: DH38YD, DH50SA, H55SA.
Makita: HM1200K, HR3850K.

21mm Hex Shank with Single Flat & Round Tang

Flat Chisel - 380 x 25mm.



Wide Chisel - 305 x 50mm/305 x 75mm.



Moil Point - 380 x 3mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	1000g	**-1350K**
Wide Chisel	900g 930g	**-1640K** **-1670K**
Moil Point	1000g	**-2030K**

Makita Style Chisels

For Makita: HM0810, HR3500, HR3520, 8035NB.

17mm Hex Shank with Round Tang & Round Retainer Recess

Wide Chisel - 280 x 50mm.



Moil Point - 280 x 3mm.



Type	Weight each	Order Code KEN-289
Wide Chisel	530g	**-1550K**
Moil Point	430g	**-1900K**

Bosch Style Chisels

For Bosch: GBH7/45, UBH6/35, UBH12/50, USH6, 11202, 11203, 11204, 11206, 11208, 11209. AEG (Atlas Copco): PHD26, PH38, PHD38, PH240D, PH350D. Black & Decker: HD2032, HD2038, P8032, P8038.

19mm Hex Shank with Single Flat & Round Tang

Flat Chisel - 380 x 25mm.



Wide Chisel - 305 x 50mm/305 x 75mm.



Moil Point - 380 x 3mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	880g	**-1300K**
Wide Chisel	780g 830g	**-1580K** **-1610K**
Moil Point	880g	**-1970K**

For Bosch: USH10, 11305, 12312.

19mm Hex Shank with Single Flat

Flat Chisel - 380 x 25mm.



Wide Chisel - 305 x 50mm/305 x 75mm.



Moil Point - 380 x 6mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	900g	**-1400K**
Wide Chisel	820g	**-1700K**
Moil Point	900g	**-2090K**

For Bosch: USH27, USH28, 11304,11308, 12314

29mm Hex Shank with Single Flat

Flat Chisel - 380 x 31mm/455 x 25mm.



Moil Point - 380 x 6mm/455 x 6mm.



Type	Weight each	Order Code KEN-289
Flat Chisel	2.0kg 2.4kg	**-1430K** **-1480K**
Moil Point	2.0kg 2.4kg	**-2060K** **-2120K**

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KENNEDY Push-Fit Pneumatic Fittings

Thread Forms:
G = BSPP - British Standard Pipe, **Parallel**
R = BSPT - British Standard Pipe, **Taper**
M = ISO Metric [**mm** = Tube diameter]

Quick and simple tube insertion. Compact lightweight design with a well proven tube retaining system. Tapered threads have a re-usable thread seal and parallel threads have a rubber washer. Main body manufactured from nickel plated brass, acetal resin, PBT with a stainless steel retaining ring, nitrile tube seal and acetal resin tube release collar.
Pressure range: -0.9bar min to +10bar max. **Temp range:** -20°C min to +70°C max. **Tube suitability:** Nylon, polyurethane.

Straight Connector



Model Number	Size (mm)	Order Code KEN-291
KC4	4	**-2200K**
KC6	6	**-2210K**
KC8	8	**-2220K**

Connector to Female Parallel



Model Number	Size (mm)	Order Code KEN-291
KC4-1FP	4 - G1/8	**-2260K**
KC6-1FP	6 - G1/8	**-2270K**
KC6-2FP	6 - G1/4	**-2280K**
KC8-2FP	8 - G1/4	**-2290K**
KC8-3FP	8 - G3/8	**-2300K**
KC10-2FP	10 - G1/4	**-2310K**

Connector to Male Parallel



Model Number	Size (mm)	Order Code KEN-291
KC4-1MP	4 - G1/8	**-2350K**
KC4-2MP	4 - G1/4	**-2360K**
KC4-5MP	4 - M5	**-2370K**
KC6-1MP	6 - G1/8	**-2380K**
KC6-2MP	6 - G1/4	**-2390K**
KC6-5MP	6 - M5	**-2400K**
KC8-1MP	8 - G1/8	**-2410K**
KC8-2MP	8 - G1/4	**-2420K**
KC8-3MP	8 - G3/8	**-2430K**
KC10-2MP	10 - G1/4	**-2440K**

Connector to Male Taper



Model Number	Size (mm)	Order Code KEN-291
KC4-1MT	4 - G1/8	**-2500K**
KC4-2MT	4 - G1/4	**-2510K**
KC6-3MT	6 - G3/8	**-2540K**
KC8-1MT	8 - G1/8	**-2550K**
KC8-2MT	8 - G1/4	**-2560K**
KC8-3MT	8 - G3/8	**-2570K**
KC8-4MT	8 - G1/2	**-2580K**
KC10-1MT	10 - G1/8	**-2600K**
KC10-4MT	10 - G1/2	**-2630K**
KC12-3MT	12 - G3/8	**-2650K**
KC12-4MT	12 - G1/2	**-2660K**

Elbow Connector



Model Number	Size (mm)	Order Code KEN-291
KEC4	4	**-2700K**
KEC6	6	**-2710K**
KEC8	8	**-2720K**
KEC10	10	**-2730K**
KEC12	12	**-2740K**

Elbow Connector to Stem



Model Number	Size (mm)	Order Code KEN-291
KEC8S-8	8 - 8	**-2820K**
KEC12S-12	12 - 12	**-2840K**

Elbow Connector to Male Parallel



Model Number	Size (mm)	Order Code KEN-291
KEC4-1MP	4 - G1/8	**-2900K**
KEC4-2MP	4 - G1/4	**-2910K**
KEC4-5MP	4 - M5	**-2920K**
KEC6-1MP	6 - G1/8	**-2930K**
KEC6-2MP	6 - G1/4	**-2940K**
KEC6-5MP	6 - M5	**-2950K**
KEC8-1MP	8 - G1/8	**-2960K**
KEC8-2MP	8 - G1/4	**-2970K**
KEC10-2MP	10 - G1/4	**-2980K**

Elbow Connector to Male Taper



Model Number	Size (mm)	Order Code KEN-291
KEC4-1MT	4 - G1/8	**-3100K**
KEC4-2MT	4 - G1/4	**-3110K**
KEC6-1MT	6 - G1/8	**-3120K**
KEC6-2MT	6 - G1/4	**-3130K**
KEC6-3MT	6 - G3/8	**-3140K**
KEC8-1MT	8 - G1/8	**-3150K**
KEC8-3MT	8 - G3/8	**-3170K**
KEC8-4MT	8 - G1/2	**-3180K**
KEC10-1MT	10 - G1/8	**-3190K**
KEC10-2MT	10 - G1/4	**-3200K**
KEC10-3MT	10 - G3/8	**-3210K**
KEC10-4MT	10 - G1/2	**-3220K**
KEC12-2MT	12 - G1/4	**-3230K**
KEC12-3MT	12 - G3/8	**-3240K**

Elbow Reducer to Stem



Model Number	Size (mm)	Order Code KEN-291
KER10S-8	10 - 8	**-3640K**

In-line Flow Restrictor



Model Number	Size (mm)	Order Code KEN-291
KFR-4	4	**-3800K**
KFR-6	6	**-3810K**
KRF-6	8	**-3830K**

Out-flow Restrictor to Male Taper



Model Number	Size (mm)	Order Code KEN-291
KFRE4-1MT	4 - G1/8	**-4000K**
KFRE6-1MT	6 - G1/8	**-4020K**
KFRE6-2MT	6 - G1/4	**-4030K**
KFRE6-3MT	6 - G3/8	**-4040K**
KFRE8-1MT	8 - G1/8	**-4050K**
KFRE8-2MT	8 - G1/4	**-4060K**
KFRE8-3MT	8 - G3/8	**-4070K**
KFRE10-2MT	10 - G1/4	**-4080K**

In-flow Restrictor



MT = Male Taper Thread

Model Number	Size (mm)	Order Code KEN-291
KFRT6-2MT	6 - G1/4	**-4530K**
KFRT8-1MT	8 - G1/8	**-4540K**
KFRT8-2MT	8 - G1/4	**-4550K**
KFRT10-2MT	10 - G1/4	**-4570K**

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KENNEDY
QUALITY INDUSTRIAL TOOLING

Thread Forms:
G = BSPP - British Standard Pipe, **Parallel**
R = BSPT - British Standard Pipe, **Taper**
M = ISO Metric [**mm** = Tube diameter]

Push-Fit Pneumatic Fittings

Reducing Triple Branch Manifolds



Model Number	Size (mm)	Order Code KEN-291
KMT6-4	6 - 4	-5000K
KMT8-6	8 - 6	-5010K

In-line Reducer



Model Number	Size (mm)	Order Code KEN-291
KR10-8	10 - 8	-5420K

Stem Reducers



Model Number	Size (mm)	Order Code KEN-291
KR6S-4	6 - 4	-5500K
KR8S-6	8 - 6	-5520K
KR10S-6	10 - 6	-5530K
KR10S-8	10 - 8	-5540K
KR12S-8	12 - 8	-5560K
KR12S-10	12 - 10	-5570K

Equal Tees



Model Number	Size (mm)	Order Code KEN-291
KT4	4	-5700K
KT6	6	-5710K
KT8	8	-5720K
KT10	10	-5730K
KT12	12	-5740K

Branch Tee to Male Taper



Model Number	Size (mm)	Order Code KEN-291
KTB4-2MT	4 - G1/4	-6510K
KTB6-1MT	6 - G1/8	-6520K
KTB6-2MT	6 - G1/4	-6530K
KTB6-3MT	6 - G3/8	-6540K
KTB8-1MT	8 - G1/8	-6550K
KTB8-2MT	8 - G1/4	-6560K
KTB8-3MT	8 - G3/8	-6570K
KTB8-4MT	8 - G1/2	-6580K
KTB10-1MT	10 - G1/8	-6590K
KTB10-2MT	10 - G1/4	-6600K
KTB12-2MT	12 - G1/4	-6630K
KTB12-4MT	12 - G1/2	-6650K

'Y' Piece



Model Number	Size (mm)	Order Code KEN-291
KY4	4	-6800K
KY6	6	-6810K
KY8	8	-6820K
KY10	10	-6830K
KY12	12	-6840K

'Y' Reducers



Model Number	Size (mm)	Order Code KEN-291
KYR6-4	6 - 4	-7500K
KYR8-6	8 - 6	-7510K
KYR10-8	10 - 8	-7520K
KYR12-10	12 - 10	-7530K

Bulkhead Adaptors



Model Number	Size (mm)	Order Code KEN-291
KBH4	4 - 4	-2010K
KBH8	8 - 8	-2030K

Bulkhead to Female Parallel



Model Number	Size (mm)	Order Code KEN-291
KBH6-2FP	6 - G1/4	-2110K
KBH8-1FP	8 - G1/8	-2120K
KBH8-2FP	8 - G1/4	-2130K
KBH10-2FP	10 - G1/4	-2150K
KBH12-3FP	12 - G3/8	-2180K

Blanking Plugs



Model Number	Size (mm)	Order Code KEN-291
EPP4	4	-5200K
EPP8	8	-5220K
EPP10	10	-5230K

Conical Silencer

Sintered (with Hex)
Type 1



Model Number	Size Male	Order Code KEN-259
S1-1	G1/8	-6800K
S1-2	G1/4	-6810K
S1-3	G3/8	-6820K
S1-4	G1/2	-6830K
S1-6	G3/4	-6840K

Conical Silencer

Sintered (with Hex)
Type 2



Model Number	Size Male	Order Code KEN-259
S2-1	G1/8	-6870K
S2-2	G1/4	-6880K
S2-3	G3/8	-6890K
S2-4	G1/2	-6900K

Flow Regulators

Pressure range:
+1 to +10 bar.
Temperature range:
0 to +80°C.



Model Number	Size (mm)	Order Code KEN-259
	Bi-Directional	
FR1-1	G1/8	-6400K
FR1-2	G1/4	-6410K
FR1-3	G3/8	-6420K

Exhausting Slide Valve - Female to Female

Pressure range:
0 to +10bar.
Temperature range:
-18 to +70°C.



Model Number	Size (mm)	Order Code KEN-259
VAS1FF	G1/8 - G1/8	-7250K
VAS4FF	G1/2 - G1/2	-7280K

Non-Return Valve - Female to Female

Pressure range:
+2 to +8bar.
Temperature range:
-25 to +90°C.



Model Number	Size (mm)	Order Code KEN-259
VNR1FF	G1/8 - G1/8	-7400K
VNR3FF	G3/8 - G3/8	-7420K
VNR4FF	G1/2 - G1/2	-7430K

Quick Exhaust Valve - Female to Female

Pressure range:
+0.3 to +10bar.
Temperature range:
-18 to +70°C.



Model Number	Size (mm)	Order Code KEN-259
VQE1FF	G1/8 - G1/8	-7500K
VQE2FF	G1/4 - G1/4	-7510K
VQE3FF	G3/8 - G3/8	-7520K
VQE4FF	G1/2 - G1/2	-7530K

Flat Head Silencer

Sintered (with Hex)
Type 3



Model Number	Size Male	Order Code KEN-259
S3-1	G1/8	-6940K
S3-2	G1/4	-6950K
S3-3	G3/8	-6960K
S3-4	G1/2	-6970K
S3-6	G3/4	-6980K

Dome Head Silencer

Sintered (with Hex)
Type 4



Model Number	Size Male	Order Code KEN-259
S4-1	G1/8	-7000K
S4-2	G1/4	-7010K

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KENNEDY Wire Wheels

Industrial rotary wire wheels and brushes are available as a comprehensive range including circular brushes, shaft mounted arbor style and de-carbonising brushes for use with power tools, machine tools and flexible drives.

EXTENDED RANGE

Circular Brushes - Plain Bore

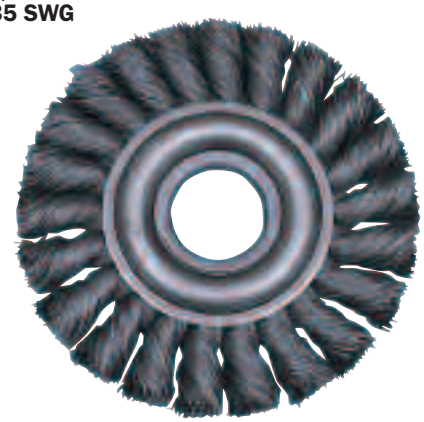
Suitable for removal of rust, paint and dirt from heavily covered parts. Order side plates separately.
(See below right).
30 SWG



Diameter x Width x Bore (mm)	Max. RPM	Order Code KEN-295
Steel Wire Brushes		
80 x 15 x 20	10,000	**-0030K**
80 x 22 x 20	10,000	**-0060K**
100 x 20 x 30	6,000	**-0140K**
100 x 28 x 30	6,000	**-0170K**
125 x 22 x 30	6,000	**-0360K**
125 x 30 x 30	6,000	**-0390K**
150 x 21 x 51	6,000	**-0450K**
150 x 29 x 51	6,000	**-0480K**
200 x 21 x 80	4,500	**-0650K**
200 x 29 x 80	4,500	**-0680K**
Brass Wire Brushes		
80 x 22 x 20	4,500	**-0920K**
100 x 20 x 30	6,000	**-0940K**
150 x 21 x 51	6,000	**-0960K**
200 x 29 x 80	4,500	**-0980K**

Circular Brushes Twist Knot - Plain Bore

A more aggressive circular brush. The twist knot construction allows a higher surface speed.
35 SWG



Diameter x Width x Bore (mm)	Max. RPM	Order Code KEN-295
75 x 11 x 13	20,000	**-1010K**
100 x 11 x 22	12,500	**-1110K**
115 x 11 x 22	11,000	**-1210K**
115 x 11 x M14 Threaded	11,000	**-1220K**



Circular Brushes - Shaft Mounted

Suitable for use in power drills. Most suitable for hard to reach areas and grooves.
6mm shanks.
30 SWG



EXTENDED RANGE

Diameter x Width (mm)	Max. RPM	Order Code KEN-295
Steel Wire Brushes		
30 x 5	20,000	**-2000K**
30 x 10	20,000	**-2010K**
30 x 12	20,000	**-2030K**
40 x 13.5	20,000	**-2140K**
40 x 18	20,000	**-2160K**
50 x 10	15,000	**-2320K**
50 x 15	15,000	**-2350K**
50 x 20	15,000	**-2370K**
60 x 10	15,000	**-2420K**
60 x 15	15,000	**-2450K**
60 x 20	15,000	**-2470K**
70 x 10	15,000	**-2620K**
70 x 15	15,000	**-2650K**
70 x 20	15,000	**-2670K**
80 x 10	12,000	**-2720K**
80 x 15	12,000	**-2750K**
80 x 20	12,000	**-2770K**
Brass Wire Brushes		
30 x 12	20,000	**-2800K**
50 x 10	15,000	**-2820K**
70 x 15	15,000	**-2840K**
80 x 20	12,000	**-2860K**

Additional Side Plates for Circular Brushes



Size (mm)	Order Code KEN-295	Size (mm)	Order Code KEN-295
20x13	**-9130K**	51x20	**-9390K**
20x16	**-9160K**	80x13	**-9430K**
30x13	**-9230K**	80x16	**-9460K**
30x16	**-9260K**	80x20	**-9490K**
30x20	**-9290K**	100x13	**-9530K**
51x13	**-9330K**	100x16	**-9560K**
51x16	**-9360K**	100x20	**-9590K**

Cup Brushes - Shaft Mounted

For all round use, ideal for work on larger surfaces removing burrs, rust and paint.
6mm shanks.
30 SWG



EXTENDED RANGE

Diameter x Width (mm)	Max. RPM	Order Code KEN-295
Steel Wire Brushes		
40 x 10	11,000	**-3120K**
45 x 10	11,000	**-3220K**
50 x 10	11,000	**-3320K**
50 x 50	11,000	**-3380K**
60 x 15	11,000	**-3450K**
60 x 60	11,000	**-3490K**
70 x 15	4,500	**-3650K**
70 x 70	4,500	**-3700K**
Brass Wire Brushes		
40 x 10	11,000	**-3820K**
50 x 10	11,000	**-3840K**
70 x 70	11,000	**-3860K**

Cup Brushes

Multi-purpose brush for removal of rust, paint and burrs. Ideally suited for use on bench machines and angle grinders.
30 SWG



Dia. (mm)	Arbor	Max. RPM	Order Code KEN-295
75	22mm Plain	12,500	**-4310K**
75	M14 Thrd	12,500	**-4330K**
75	5/8" BSW	12,500	**-4340K**
100	22mm Plain	10,000	**-4420K**
100	M14 Thrd	10,000	**-4430K**
100	5/8" BSW	10,000	**-4440K**
125	M14 Thrd	6,000	**-4530K**
125	5/8" BSW	-	**-4540K**
150	M14 Thrd	6,000	**-4630K**

Cup Brushes Twisted Knot - Threaded Bore

For fast and heavy duty cleaning. Support ring prevents excessive spreading. For removal of rust, paint and scale on large surfaces.
50 SWG



Dia. (mm)	Arbor	Max. RPM	Order Code KEN-295
Steel Wire Brushes			
65	M14 Thread	12,500	**-5230K**
75	M14 Thread	9,000	**-5330K**
100	22mm Plain	8,500	**-5420K**
100	M14 Thread	8,500	**-5430K**
100	5/8" BSW	8,500	**-5440K**
120	M14 Thread	6,000	**-5470K**
120	5/8" BSW	6,000	**-5480K**
Brass Wire Brushes			
75	M14 Thread	12,500	**-4160K**
100	M14 Thread	10,000	**-4180K**
100	22 Plain	10,000	**-4400K**

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KENNEDY Industrial Wire Wheel Sets

All supplied in clear bag with header.

5 Piece Set Contents (1 off each):
Shaft mounted circular brushes
30 x 12, 50 x 10 and 50 x 20.
Flat end decarbonising 12 x 20.
Pointed end decarbonising 12 x 20.



Number of Pieces	Weight each	Order Code KEN-295
5	250g	**-9800K**

6 Piece Set Contents (1 off each):
Flat end decarbonising brushes 12 x 20, 17 x 22 and 24 x 25.
Pointed end decarbonising brushes 12 x 20, 17 x 22 and 24 x 25.



Number of Pieces	Weight each	Order Code KEN-295
6	250g	**-9900K**

8 Piece Set Contents (1 off each):
Shaft mounted circular brushes 30 x 12, 50 x 20 and 80 x 20. Flat end decarbonising brushes 12 x 20 and 24 x 25. Pointed end decarbonising brushes 12 x 20 and 24 x 25. Shaft mounted cup brush 50 x 50.



Number of Pieces	Weight each	Order Code KEN-295
8	630g	**-9850K**

Pointed End Decarbonising Brushes

For use in high speed air and electrical tools. Ideal for hard to reach areas. For the removal of paint, carbon and for deburring. 6mm shanks.
30 SWG

EXTENDED RANGE



Diameter x Width (mm)	Max RPM	Order Code KEN-295
Steel Wire Brushes		
12 x 20	20,000	**-7320K**
17 x 22	20,000	**-7440K**
24 x 25	20,000	**-7600K**
30 x 25	20,000	**-7800K**
Brass Wire Brushes		
12	20,000	**-7920K**
24	20,000	**-7940K**

Flat End Decarbonising Brushes

For hard to reach areas such as drilled holes, recesses and corners. For removal of burrs, rust and paint.
30 SWG

EXTENDED RANGE



Diameter x Width (mm)	Max RPM	Order Code KEN-295
Steel Wire Brushes		
12 x 20	20,000	**-6320K**
17 x 22	20,000	**-6440K**
24 x 25	20,000	**-6600K**
30 x 25	20,000	**-6800K**
Brass Wire Brushes		
12	20,000	**-7020K**
24	20,000	**-7040K**

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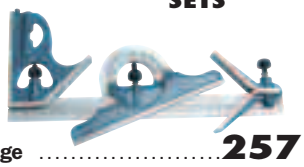
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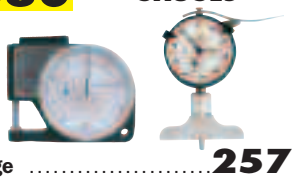
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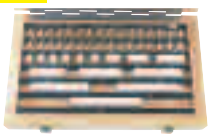
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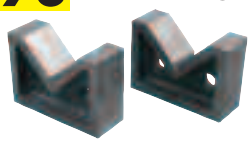
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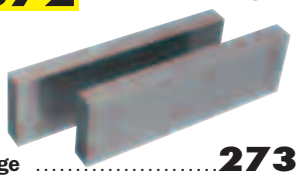
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PRECISION EQUIPMENT

Product Groups 300 - 385

Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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OXFORD PRECISION Easy Read Dial Gauges Plunger Type

58mm (2¼") Diameter Dial
Matt finish chromed housing and black oxidised limit hands.
Fitted with ¼" inside diameter stem.
Manufactured to **BS 907**.



58mm Diameter

Spares to suit Oxford Plunger Type Gauges

Description	Order Code KEN-301
Anvil - mm	-9400K

Graduation	Travel	Reading	Weight each	Order Code OXD-300	
0.001"	0.5"	0-50-0	440g	-8100K	N/A
0.01mm	5mm	0-50-0	350g	-7850K	
0.01mm	10mm	0-100	440g	-8500K	
0.01mm	25mm	0-100	440g	-8520K	

KENNEDY QUALITY INDUSTRIAL TOOLING Easy Read Dial Gauges Plunger Type

58mm (2¼") Diameter Dial
Easy Read Dial Gauges and DTI's are designed for countless applications and available in two basic styles. With shockproof mechanisms and clear, **'Easy Read'** dial for zero setting. All models are operational in both directions.
Supplied in fitted cases with accessories storage space.

Matt finish chromed housing and black oxidised limit hands.
Fitted with ¼" inside diameter centre back lug and 5/16" diameter stem.
Manufactured to **BS 907**.



58mm Diameter

Spares to suit Kennedy Plunger Type Gauges

Description	Order Code KEN-301
Anvil - mm	-9400K

Graduation	Travel	Reading	Weight each	Order Code KEN-300	
0.001"	0.5"	0-50-0	440g	-7100K	N/A
0.001"	0.5"	0-100	440g	-7110K	N/A
0.0005"	0.5"	0-25-0	440g	-7120K	N/A
0.001"	1.0"	0-100	440g	-7160K	N/A
0.0005"	1.0"	0-50	440g	-7170K	N/A
0.01mm	10mm	0-100	440g	-7500K	
0.01mm	25mm	0-100	440g	-7520K	

Easy Read Dial Gauges Plunger Type

58mm (2¼") Diameter Dial
6 Jewel
Matt finish chromed housing and black oxidised limit hands.
Shockproof mechanism.
Fitted with ¼" inside diameter stem.
Manufactured to **BS 907**.



58mm Diameter

JEWELLED

Spares to suit Oxford Plunger Type Gauges

Description	Order Code KEN-301
Anvil - mm	-9400K

Graduation	Travel	Reading	Weight each	Order Code OXD-300
0.01mm	10mm	0-100	440g	-5500K
0.01mm	25mm	0-100	440g	-5520K

Smile Dial Gauges Plunger Type

58mm (2¼") Diameter Dial
Matt finish chromed housing and black oxidised limit hands. Jewelled.
Fitted with ¼" inside diameter centre back lug and 5/16" diameter stem.
Manufactured to **BS 907**.



JEWELLED

58mm Diameter

Spares to suit Kennedy Plunger Type Gauges

Description	Order Code KEN-301
Anvil - mm	-9400K

Graduation	Travel	Reading	Weight each	Order Code KEN-300
0.01mm	10mm	0-100	440g	-5000K

PRECISION EQUIPMENT

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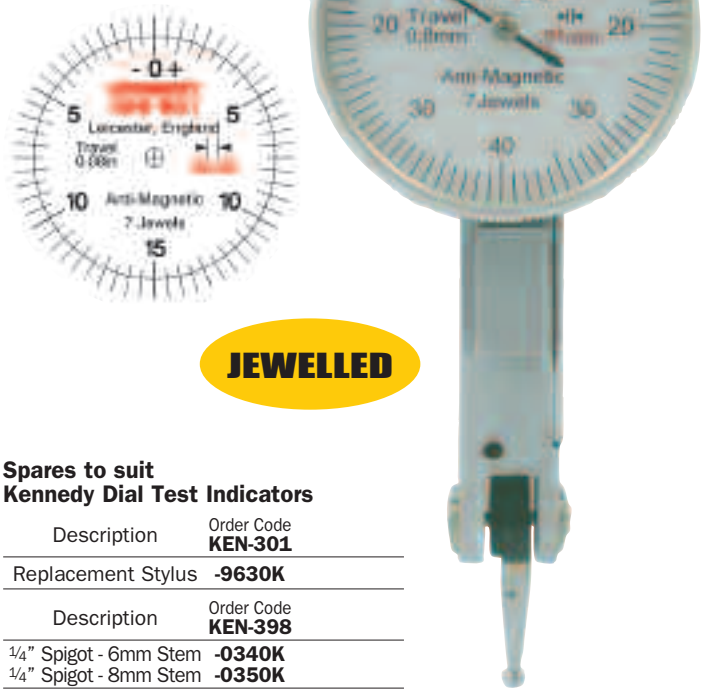
KENNEDY Easy Read Anti-Magnetic Dial Test Indicators

32mm (1¼") Diameter Dial Lever Type
Supplied with dovetail fitting and 6 and 8mm spigot. Matt finish chromed housing. Jewelled.



JEWELLED

Spares to suit Kennedy Dial Test Indicators

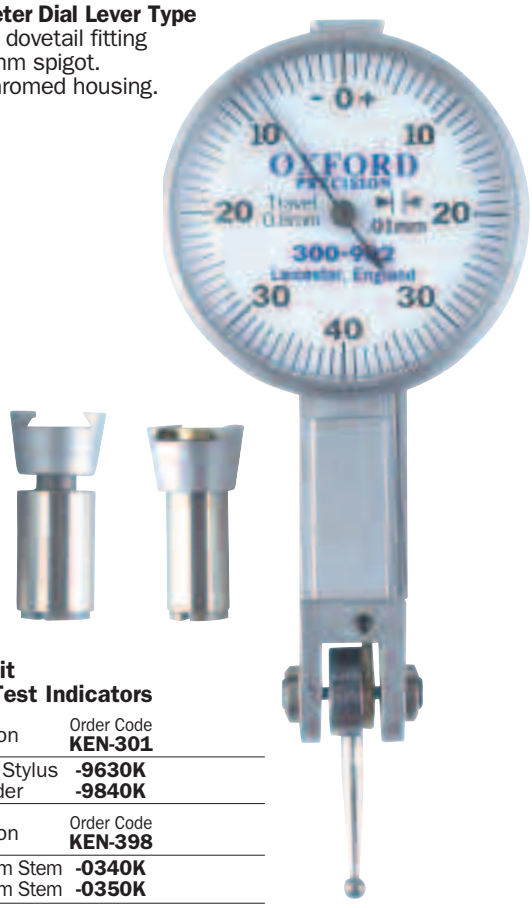
Description	Order Code KEN-301
Replacement Stylus	-9630K

Description	Order Code KEN-398
¼" Spigot - 6mm Stem	-0340K
¼" Spigot - 8mm Stem	-0350K

Graduation	Travel	Reading	Weight each	Order Code KEN-300	
0.0005"	0.03"	0-15-0	170g	-8010K	N/A
0.01mm	0.8mm	0-40-0	170g	-8020K	

OXFORD PRECISION Easy Read Dial Test Indicators

32mm Diameter Dial Lever Type
Supplied with dovetail fitting and 6 and 8mm spigot. Matt finish chromed housing.



Spares to suit Oxford Dial Test Indicators

Description	Order Code KEN-301
Replacement Stylus	-9630K
Universal Holder	-9840K

Description	Order Code KEN-398
¼" Spigot - 6mm Stem	-0340K
¼" Spigot - 8mm Stem	-0350K

Graduation	Travel	Reading	Weight each	Order Code OXD-300
0.01mm	0.8mm	0-40-0	170g	-9020K

Dovetail Mounting Accessories

Spigot
¼" standard type.



Stem Diameter	Weight each	Order Code KEN-398
4mm	20g	-0330K
6mm	20g	-0340K
8mm	20g	-0350K

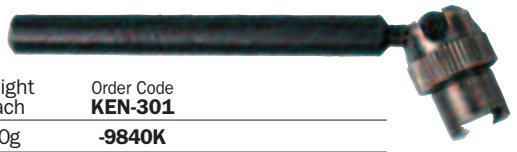
Dial Gauge Accessories

Replacement Anvils
For all Kennedy plunger type dial gauges. Steel.



Type	Weight each	Order Code KEN-301
Metric	.082g	-9400K

Universal Spigot
For lever type (not easy read).



Type	Weight each	Order Code KEN-301
¼" ID	20g	-9840K

Replacement Stylus
Carbon Steel. Replacement stylus for all Kennedy lever type dial test indicators (except dual reading stylus for KEN-300-4000K).



Suitable for use with	Order Code KEN-301
New Style Easy Read DTI's	-9630K

1¼" Dial Diameter



Spares to suit Oxford Dial Test Indicators

Description	Order Code KEN-301
Replacement Stylus	-9630K
Universal Holder	-9840K

Description	Order Code KEN-398
¼" Spigot - 6mm Stem	-0340K
¼" Spigot - 8mm Stem	-0350K

Graduation	Travel	Reading	Weight each	Order Code OXD-300	
0.0005"	0.03"	0-15-0	170g	-9010K	N/A

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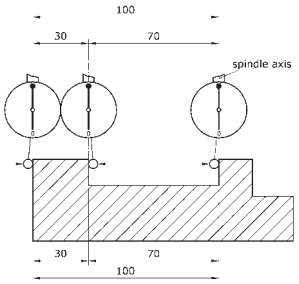
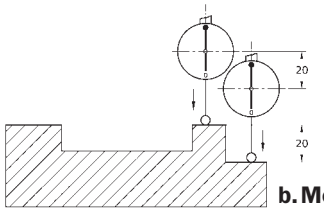
AXIS GAUGING/HARDNESS TESTERS

KENNEDY 3D Axis Gauging

The New Generation of NC axis gauging equipment, for quick, accurate setting of all three axes (X, Y, Z) by analogue differential indicator. Suitable for all machine tools with CNC, NC or DRO and also for EDM/spark erosion tools - the stylus is electrically insulated from the spindle. Universal - one tool measures length, height, diameter and centre. The synchronous single needle allows greater needle displacement before reaching '12 o'clock'. A positive reading is given regardless of direction of axis movement. No calculations and no 'trial and error' involved. Increases production and efficiency, reduces job time and operator requirement. The stylus is designed to break on a 'nominal fracture' before the workpiece or tester can be damaged. Three plug in styli types can be changed in seconds without the use of special tools. Pre-adjusted to a concentricity of 0.01mm maximum.
Indicator diameter: 50mm.
Clamping shank diameter: 16mm.



a. Measuring length

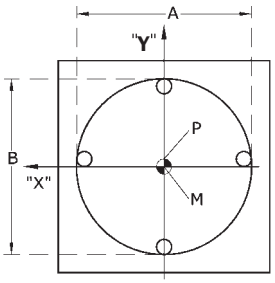


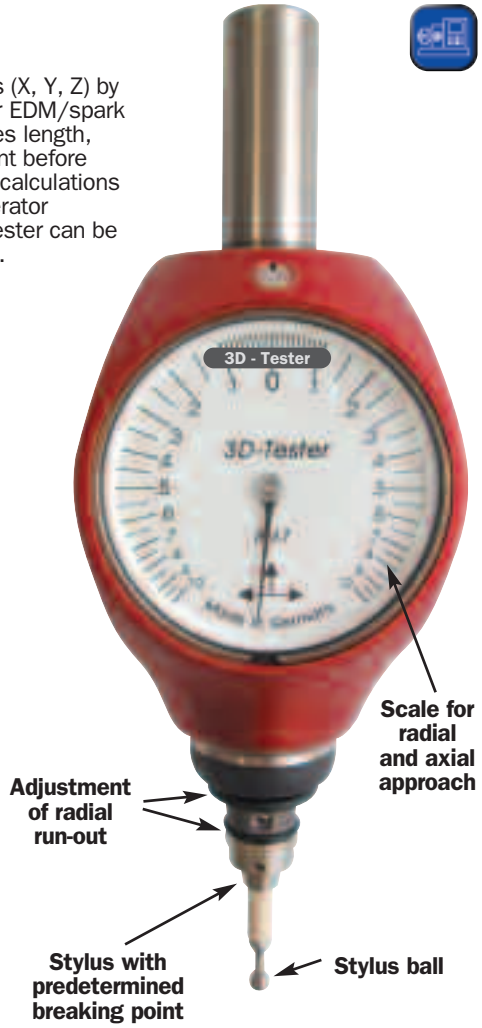
b. Measuring height

c. Establishing true centre and diameter of bores.

Insert stylus roughly in centre of bore, measure distance A and divide by 2 (P). Measure distance B in Y direction, across point P and divide by 2.

Result: true centre point (M). Repeat measuring of distance A.





3D Axis Gauge

Indicator Dia.	Effective Length	Shank Dia.	Weight each	Order Code KEN-302
50mm	125mm	16mm	89g	**-2010K**

OXFORD PRECISION Hardness Testers

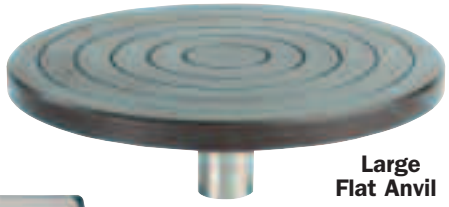
Rockwell Hardness Tester
Model 150R
For testing the hardness of hard alloys, quenched and unquenched steels, using steel ball or diamond penetrators to measure Rockwell A, B & C units of measurement. Supplied with test block, flat large, small and V notch anvils, steel ball bearing indentor and diamond Indentor. Manufactured in accordance with **ISO 6508-2:1999 & ASTME18.**
Measuring ranges:
20-88HRA
(Test force: 588.4N/60kgf),
20-100HRB
(Test force: 980.7N/100kgf),
20-70HRC
(Test force: 1471N/150kgf).
Max height of test piece:
80mm with screw protective jacket, 170mm without.
Depth of throat: 135mm.
Dimensions:
466 x 238 x 630mm.



Model Number	Weight each	Order Code OXD-303
150R	65kg	**-1000K**

Anvils, Indentors & Test Blocks

To suit Oxford hardness tester.

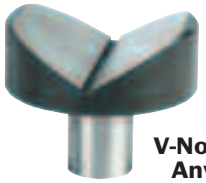












Description	Size	Order Code OXD-303
Large Flat Anvil	150mm	**-9100K**
Small Flat Anvil	58mm	**-9110K**
V-Notch Anvil	-	**-9120K**
Diamond Indentor	ø1.588mm	**-9150K**
Steel Ball Bearing Indentor	ø1.588mm	**-9160K**
Rockwell Std. Test Blocks 60 x 40 x 10mm	88 HRA	**-9200K**
	85 HRB	**-9210K**
	60 HRC	**-9220K**
	35 HRC	**-9230K**
	20 HRC	**-9240K**

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Oxford Precision Granite Products

Precision granite products are manufactured to the highest quality standards to provide an accurate surface from which final measurements can be taken. More dimensionally stable than steel or cast iron, with a low thermal expansion co-efficient.
Does not burr, is corrosion free and easy to maintain.

Granite Straight Edges

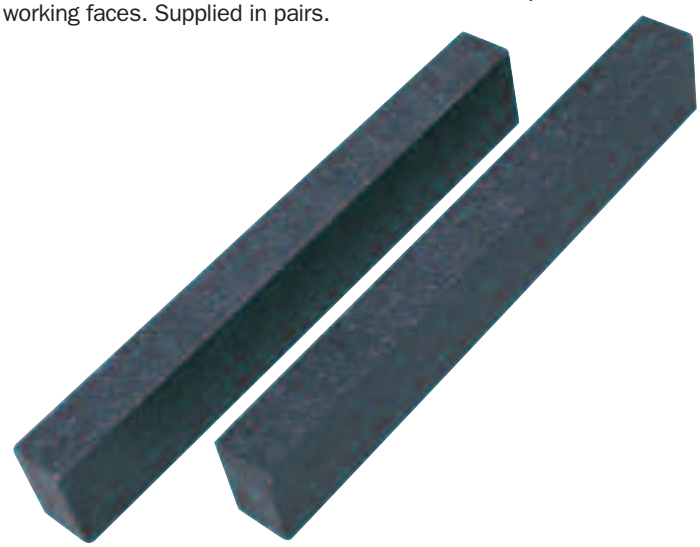
Used for checking surfaces for straightness, drawing and scribing straight lines. Made to **BS5204 : Grade A.**



L x W x H	Weight each	Order Code OXD-306
630 x 100 x 50mm	7kg	**-6020K**
1000 x 160 x 50mm	10kg	**-6040K**

Granite Parallels

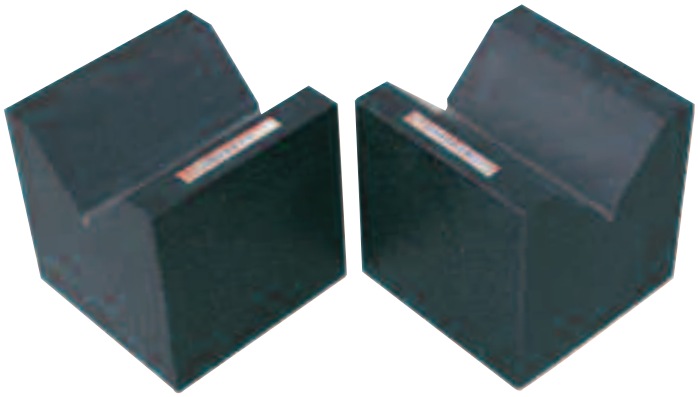
Used for setting up work on machine tables and surface plates. Made to **BS906 : Part 1 : Grade B** for flatness and parallelism of working faces. Supplied in pairs.



L x W x H	Weight each	Order Code OXD-306
160 x 25 x 16mm	0.55kg	**-3020K**
250 x 40 x 25mm	1.83kg	**-3040K**
400 x 63 x 40mm	6.97kg	**-3060K**

Granite Vee Blocks

90°. Used for handling and inspecting round work. Also used for layout work. Made to **BS3731 : Grade 2**.
Supplied in pairs.



L x W x H	Weight each	Order Code OXD-306
62 x 62 x 62mm	2.0kg	**-7020K**

Granite Surface Plates

Accurate bases which are used for mounting sensitive measuring, mechanical and electronic equipment.
Made to **BS817**. Supplied with **UKAS** calibration certificate.



Stand

Grade 1 - Inspection Grade

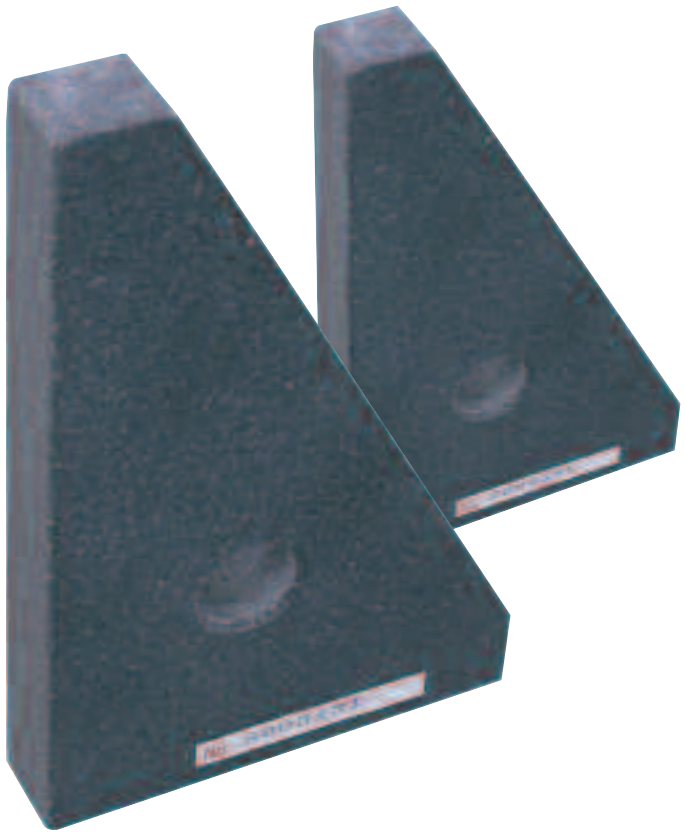
L x W x H	Weight each	Order Code OXD-306
400 x 250 x 70mm	27kg	**-4020K**
630 x 400 x 100mm	90kg	**-4040K**
800 x 500 x 100mm	140kg	**-4060K**

Stand - To suit Granite Surface Plate (OXD-306-4060K) Only

L x W x H	Weight each	Order Code OXD-306
800 x 500 x 650mm	20kg	**-4100K**

Granite Squares

90°. For measuring and inspecting squareness, parallelism and alignment. Made to **BS939 : 1977 Grade A** for flatness, straightness and squareness of working faces.



L x W x H	Weight each	Order Code OXD-306
250 x 160mm	2.26kg	**-5060K**

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EDISON Infrared Laser Thermometer

A high resolution infrared laser thermometer suitable for a wide range of industrial applications, HVAC and automotive diagnostics. Laser targeting enables accurate readings by guiding the user to the optimum measuring distance. Suited for work in confined spaces. Simply aim, pull the trigger and read the current surface temperature. Laser can be activated via the laser button for more accurate targeting. Temperature is displayed on back-lit LCD display.

Measurement range: -20°C to 537°C.

Accuracy: -20°C to 50°C +/- 2.5°C, 51°C to 537°C +/- (Reading x 1% 1°C).
Distance to spot ratio: 12:1.

Emissivity: 0.95.
Celsius/Fahrenheit selection.
Back light display.

Power source: 9V battery.
Average/maximum/minimum/maximum-minimum mode selection.

Complies with EN61326:1997/A1:1998/A2:2001/A3:2003.

Dimensions (L x W x H): 162 x 56 x 190mm.

Nett weight: 270g.

Range: -20°C to +537°C

BEST SELLER





12:1 Distance to Spot
-20°C +537°

Model Number	Order Code EDI-312
IRT537	-4000K

Mini Laser Thermometer

Pocket sized infrared thermometer employing single dot infrared laser technology to instantly display surface temperatures. °C/°F selectable with a measurement range of between -20°C to 270°C (-4° to 518°F). Features ambient temperature (TAMB) measurement, back light, hold function and low battery indication. Supplied with wrist lanyard and 2x AAA batteries.

NEW



6:1 Distance to Spot
-20°C +270°

Model Number	Order Code EDI-312
EMT960	-3960K

Infrared & Probe Thermometer

Features two measurement modes - probe for internal temperature and infrared single dot laser for surface temperature.
°C/°F selectable, it has a measurement range of between -20°C to 270°C (-4° to 518°F).
With back light, auto power 'OFF' and low power indicator, and a carry case.
Requires 3 x AAA batteries (included).



NEW

6:1 Distance to Spot
-20°C +270°

Model Number	Order Code EDI-312
EPT980	-3980K

Airflow, Velocity & Thermometer

TVA150

It is used to measure air speed at ventilation outlets and test temperatures in offices, storerooms, greenhouses and places where climate conditions can be analysed.
Conforms with **EN61326-6: 2006 and EN61326-2-2: 2006**.

Meter capabilities:
- Airflow: m/s, km/h, fpm, mph, kts.
- Beaufort scale.
- Temperature in both °C and °F.
- 4 digit display with optional back light.
- Data hold function.
- Auto power 'OFF' and low power indicator.
- 3x AAA battery included .

Testing ranges:
0.4 - 20m/s, 80 - 4000fpm, -10 - 50°C (14 - 122°F).



Model Number	Order Code EDI-312
TVA150	-4020K

Relative Humidity & Temperature Tester

THM150

Ideal for temperature, humidity and dew point testing in offices, storerooms, greenhouses and places where a controlled environment is essential. Conforms with **EN61326-6: 2006** and **EN61326-2-2: 2006**.

Meter capabilities:
- Temperature: -10 -50°C (14 to 122°F).
- Testing humidity: 0 - 100%RH.
- 4 digit clear LCD display with optional back light.
- Data hold function.
- Auto power 'OFF' and low power indicator.
- 3x AAA battery included



Model Number	Order Code EDI-312
THM150	-4040K

5-in-1 Multimeter & Environmental Tester

MET060

Relative measurement function. Diode testing facility. Clear display with LED back light and data hold function. Auto power OFF' and low power indicator. Digital display count up to 3999. Supplied with test probes, clamp-on test leads, temperature sensor probe, 9V battery, and Instructions manual.
Conforms with **IEC 1010**, **CAT II 1000V** and **CAT III 600V**.
Temperature: from -20 to 1000°C.
Humidity: 30 - 90%.
Sound: 35 - 100db.
Illumination: 4000 - 40000 Lux.
AC/DC: 600V.
AC/DC: 10A.
Resistance: 40MW.
Capacitance: 200mF.
Frequency: 1Hz to 200KHz.
Dimensions (W x D x H): 165 x 65 x 230mm.



Model Number	Order Code EDI-516
MET060	-3460K

PRECISION EQUIPMENT

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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RUTLAND SPORT

Multi Function Digital Stopwatch - Standard

Water and shock resistant design.
Supplied with nylon neck cord.

Specification:
1/100 second precision with split times. Calendar and time display 12hr or 24hr format.
Daily alarm.
Hourly chime.
Supplied complete with 1.5V battery.



Order Code	
RTL-314	
-3020K	

Multi Function Digital Stopwatch - Professional

Water and shock resistant design, slim line contour case fits comfortably in the hand. Supplied with nylon neck cord.

Specification:
1/100 second precision with split times. Calendar and time display 12hr or 24hr format. Fastest, slowest and average lap calculation. Daily alarm. Hourly chime. Supplied complete with 1.5V battery.



Order Code	
RTL-314	
-3040K	

OXFORD PRECISION

Electronic Tally Counter - Up

Electronic tally counter counts up to 9999. Four-digit LCD with large push-buttons. High-impact construction with comfortable rubber keys. Optional audible counting indicator. Battery included.

Size (W x D x H): 30 x 15 x 60mm.



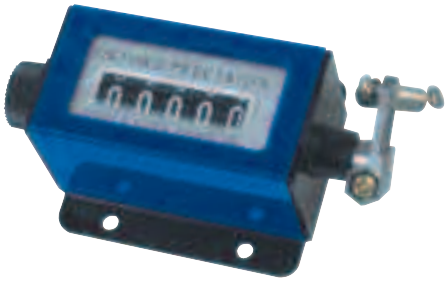
Order Code	
OXD-314	
-5820K	

OXFORD PRECISION

Mechanical Stroke Counter

Five digit mid-range mechanical stroke counter. Tough plastic case.
Excellent value.

Overall length: 80mm.
Height: 30mm.



Spindle Rotation	Weight each	Order Code OXD-314
Right Hand	91g	-6100K

Chrome Tally Counters

Four digit (0-9999) metal body mechanical counters with push button actuator and reset button. Sturdy chrome plated steel construction.

Hand Tally comfortably fits in the palm of your hand, audible click, finger ring and recommended for applications where operator must be mobile.



Desk Tally features a special mounting base designed for desk, bench or clipboard mounting. Recommended for fixed applications.



Description	Weight each	Order Code OXD-314
Hand Tally	60g	-5500K
Desk Tally	70g	-5520K

Electronic Tally Counter - Up/Down

Electronic tally counter counts up to 9999. Four-digit LCD with large push-buttons. Reverse function to count down as well as up. High-impact construction with comfortable rubber keys. Optional audible counting indicator.
Battery included.

Size (W x D x H):
30 x 15 x 60mm.



Order Code	
OXD-314	
-5830K	

EDISON

Electronic Tachometer

Precise red LED light source (laser beam) together with a reflective strip, non-contact measurements can be made safely up to 40cm (15 ¾") from the target.
For measuring in rpm and rps.

Testing range:
100 to 30000rpm/1.7 to 500rps.
6 digit clear LCD display with optional back light.
Data hold function.
Auto power 'OFF' and low power indicator.
Battery operated: DC1.5V 3x AAA (included).
Conforms with **EN61326-6: 2006** and **EN61326-2-2: 2006.**



Test for regular rotary speed



Laser beam accuracy



Complete with protective head cover



Pack includes:
Digital tachometer.
Wrist strap.
2x 30cm reflective strips.
Hard carry case.
DC1.5V 3x AAA batteries (installed).
Instruction manual.





Actual size of LCD

Testing Range	Order Code EDI-315
100 to 30000rpm	-4200K

PRECISION EQUIPMENT

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OXFORD PRECISION Folding Pocket Magnifiers

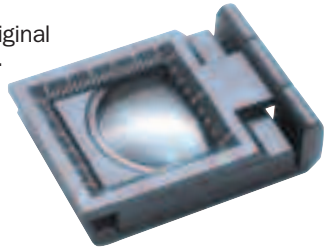
15mm Diameter
Although deriving its name from the textile industry it is also suitable for inspecting paper, photographs, printed documents etc. 15mm diameter glass lens. 7x magnification. 1" working distance. ½" square field. Inch graduation. ⅛" divisions. Self-standing to free your hands. Folds flat when not in use. Black powder coated body. The original 'Linen tester'.



Diameter	Order Code OXD-316
15mm	-1600K

Folding Pocket Magnifier

30mm Diameter
Although deriving its name from the textile industry it is also suitable for inspecting paper, photographs, printed documents etc. 30mm diameter glass lens. 6x magnification. 38mm (1½") working distance. 25mm (1") square field. Metric and inch graduations. 1mm and ⅛" divisions. Self-standing to free your hands. Folds flat when not in use. Black powder coated body. Complete with plastic wallet. The original 'Linen tester'.



Diameter	Order Code OXD-316
30mm	-1620K

LED Light Magnifier

30mm Diameter
10x magnification.
5mm diameter LED light. 30mm diameter integral 2x optical glass lens. Powered by 3x AAA batteries (not supplied). LED lasts around 40,000 hours under normal use. Battery life = 40/50 hours under continuous use. Compared to a conventional bulb the LED diode lives up to 1000 times longer with 90% less power consumption. Complete with plastic case with belt loop.



Diameter	Order Code OXD-316
30mm	-2010K

Magnifying Loupes

Suitable for precision engineers, instrument makers, watch repairers, jewellers etc.

Triplet
Provides sharp images with minimum distortion. Three separate lenses bonded together to form one compound lens. Chrome plated finish. Complete with leather case.



Type	Magnification	Order Code OXD-316
Triplet	10x	-1500K

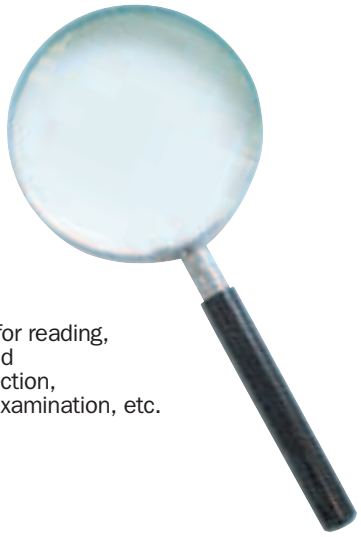
Doublet
21mm diameter double lenses bonded together to form one compound lens. Provides a sharp magnified image with virtually no distortion.



Type	Magnification	Order Code OXD-316
Double	20x	-1520K

Hand Magnifiers

Available in 2x, 3x and 4x deluxe high power magnifications. 2x, 3x have chrome-plated brass frame and bakelite handle. 4x deluxe has a gilt-effect frame and hardwood handle.



Suitable for reading, stamp and coin collection, product examination, etc.

Mag. Factor	Diameter	Order Code OXD-316
2x	89mm	-2500K
3x	50mm	-2520K
4x	65mm	-2600K

KENNEDY Eye Loupes

Manufactured from shock resistant plastic. Shatterproof lens. Ideal for jewellers, watchmakers, electronics and model makers.

Clear



Mag. Factor	Focal Length (mm)	Order Code KEN-518
10x	31 (1¼")	-6000K

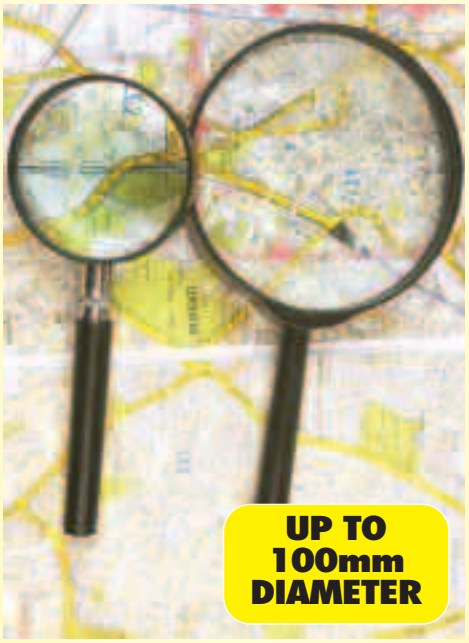
Solid



Mag. Factor	Focal Length (mm)	Order Code KEN-518
10x	31 (1¼")	-5290K
4.0x	63 (2½")	-5300K
3.5x	75 (3")	-5310K
3.0x	90 (3½")	-5320K

Hand Magnifiers

Plastic lightweight magnifiers.
Used to provide a clear crisp enlarged image.
Used for inspection of finished parts, enlarging small text and pictures etc.



Mag. Factor	Diameter	Order Code KEN-518
5x	50mm	-6040K
4x	75mm	-6060K
2x	100mm	-6080K

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OXFORD PRECISION Bench Magnifiers

89mm (3½") diameter lens. 2x magnification. Chrome plated brass frame. 180mm flexible hose length permits viewing at any angle. Suitable for viewing work requiring high precision, reading, sewing, quality control, hobbies etc.



With Clamp
Black powder coated clamp provides stability and convenience. Portable and easy to clip onto a bench or table.
Clamping capacity: 55mm.

With Stand
Cast horseshoe type stand provides stability and convenience.

Type	Order Code OXD-316
Clamp	-1100K
Stand	-1120K

LED Head Loupe with Removable LED Light & Interchangeable Lenses

This head loupe has a detachable LED light which can be removed to provide an independent source of light that has two magnets for attaching to steel objects. It can be worn with spectacles and has an adjustable headband for greater comfort and integral visor to cut out ambient light. It comes with four interchangeable lenses supplied with their own storage case. The lenses stay firmly in position when raised or lowered, leaving both hands free to work. Suitable for electrical service and assembly, model making and other applications where both hands are required to carry out finely detailed work.





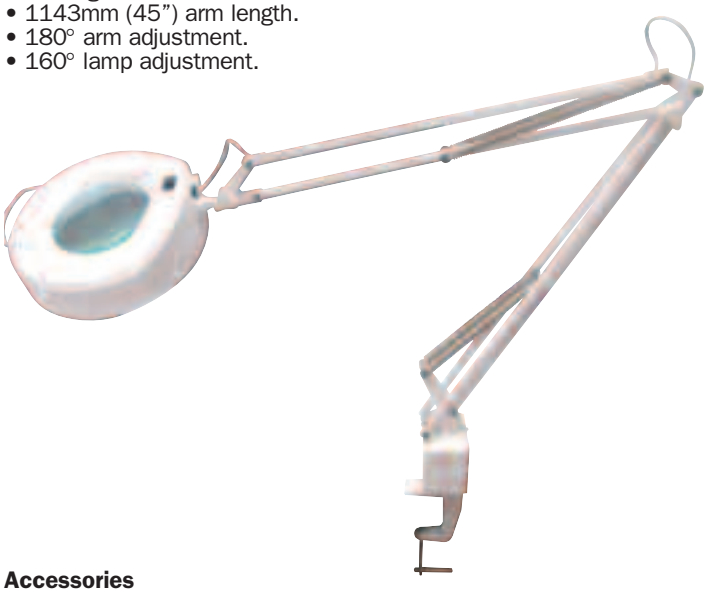
Contents:
1x Head Loupe with removable LED light (batteries not included).
1x Blanking plate for Visor when LED is removed.
1x Box of four lenses:
Magnification for Working Distance
1.2x 520 - 620mm
1.8x 230 - 320mm
2.5x 150 - 250mm
3.5x 80 - 120mm

Description	Order Code OXD-316
LED Head Loupe	-2560K

Illuminated Bench Magnifier - Adjustable Arm Type

Illuminated bench magnifier fitted with long life high efficiency 22W circular fluorescent daylight tube which provides perfect colour matching, low heat emission and greater eye comfort.
Suitable for the workplace, hobbies or for people with limited vision.

- 127mm (5") diameter lens.
- 3x magnification.
- 1143mm (45") arm length.
- 180° arm adjustment.
- 160° lamp adjustment.



Accessories

Type	Order Code OXD-398
Fluorescent Tube 22W	-8600K

Illuminated Magnifier

Diameter	Order Code OXD-316
127mm	-1030K

Illuminated Adjustable Stand Magnifier

With the lens tilted, small hand-held objects can be worked on or inspected. When the lens is parallel to the work surface anything laid beneath is in focus. Fitted with a long life high efficiency 22W circular daylight tube which provides perfect colour matching, low heat emission and greater eye comfort. Suitable for the workplace, hobbies or for people with limited vision.

- 127mm (5") diameter lens.
- 3x magnification.
- Fully adjustable.
- 220V.
- 170mm height adjustment.



Diameter	Order Code OXD-316
127mm	-1010K

PRECISION EQUIPMENT

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RUTLAND SPORT Compact Style Binoculars



Compact folding design for easy storage and transport. The high quality roof prisms and UV protective coated ocular lenses are housed in a polyurethane body coated in a shock absorbing high grip rubber armour. Diopter adjustment for improved image clarity and sharpness. To allow use with spectacles the soft rubber eye cups fold down. Accurate focusing of the binoculars is controlled by fingertip movement of the central focusing wheel. Integral neck strap eyelets and tripod mounting threaded recess point. Supplied complete with neck strap and cleaning cloth. Suitable for camping/hiking, outdoor spectator sports, nature viewing, theatre. Lead- and arsenic-free glass.



CR1025R

10 x 25

Diopter measurement



Product Number	Magnification	Order Code RTL-318
CR1025R	10 x 25	**-1620K**



CR1025

10 x 25

Fold down eye cup



Diopter measurement



Product Number	Magnification	Order Code RTL-318
CR1025	10 x 25	**-1230K**

Ultra Compact Binoculars

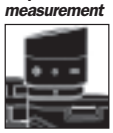
CP0821

The ultra compact design makes them ideal for use when storage space is at a premium. The high quality porro prism coated lenses are housed in a tough polyurethane body which is comfortable to hold. The diopter adjustment is easy to use and improves the image clarity and sharpness. Simple yet accurate focusing is achieved using fingertip control of the central focusing wheel.
Supplied complete with case, neck strap and cleaning cloth.



8 x 21

Diopter measurement



Product Number	Magnification	Order Code RTL-318
CP0821	8 x 21	**-1660K**

Traditional Style Binoculars

TP1050

The high quality porro prisms and UV protecting ruby coated ocular lenses are housed in a polyurethane body coated in a shock absorbing high grip rubber armour. Diopter adjustment for improved image clarity and sharpness. To allow use with spectacles the soft rubber eye cups fold down. Accurate focusing of the binoculars is controlled by fingertip movement of the central focusing wheel. Integral neck strap eyelets and tripod mounting threaded recess point. Supplied complete with lens cap, case, neck strap, and cleaning cloth. Suitable for camping/hiking, outdoor spectator sports, nature viewing.
Lead- and arsenic-free glass.

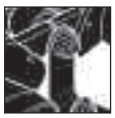


10 x 50

Pupil distance scale



Tripod use



Fold down eye cup



Diopter measurement



Product Number	Magnification	Order Code RTL-318
TP1050	10 x 50	**-1010K**

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RUTLAND PRO Traditional Binoculars 7 x 50

TP0750

High quality lenses. Ocular objective lens caps. Diopter adjustment ring with index. Neck strap eyelets underneath. Central focusing wheel, tripod mounting with thread cover. Comfortable ergonomic design. Rubber armoured grip. Tripod mounting point.

Includes
Lens caps, case, neck strap, and cleaning cloth.



Prism type: Porro.
Magnification: 7x.
Objective lens: 50mm.
Angle of view: 6.8°.
Field of view at 1000m: 119m.
Exit pupil: 7mm.
Focusing method: Manual.
Closest focusing distance: 9m.
Dimensions: (W x H x D) 176 x 191 x 82mm.
Weight: 900g.

Tripod use *Fold down eye cup* *Diopter measurement*



Product Number	Magnification x Lens Diameter	Order Code RTL-318
TP0750	7 x 50	-1370K

Traditional Binoculars 10 x 60

TP1060

Ruby coated high quality precision lenses. Double diopter adjustment ring with index. Neck strap eyelets. Ocular lens caps. Central focusing wheel, tripod mounting thread cover. Objective lens caps. Rubber armoured ergonomically designed grip. Tripod mounting point.

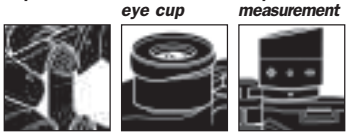
Includes
Lens caps, case, neck strap and cleaning cloth.

10 x 60



Prism type: Porro.
Magnification: 10x.
Objective lens: 60mm.
Angle of view: 6.4°.
Field of view at 1000m: 108m.
Exit pupil: 6mm.
Focusing method: Manual.
Closest focusing distance: 10m.
Dimensions: (W x H x D) 200 x 200 x 85mm.
Weight: 1175g.

Tripod use *Fold down eye cup* *Diopter measurement*



Product Number	Magnification x Lens Diameter	Order Code RTL-318
TP1060	10 x 60	-1400K

Traditional Binoculars 10 x 42

TP1042

These Rutland Pro binoculars have a powerful 10 x magnification using a Porro prism, a 6° wide angle of view and a 42mm objective lens. These binoculars are powerful, yet have a narrow pupil distance making them ideal for the smaller user. The outer casing of the binoculars is designed for your comfort and covered with a protective rubber coating, to prevent damage from the occasional bump that may occur whilst in use. The point of focus is smoothly controlled with the central focusing wheel.

Includes
Lens caps, case, neck strap, and cleaning cloth.



10 x 42



Prism type: Porro.
Magnification: 10x.
Objective lens: 42mm.
Angle of view: 6°.
Field of view at 1000m: 105m.
Exit pupil: 4.2mm.
Focusing method: Manual.
Closest focusing distance: 4m.
Dimensions: (W x H x D) 110 x 168 x 65mm.
Weight: 775g.

Fold down eye cup *Diopter measurement*



Product Number	Magnification x Lens Diameter	Order Code RTL-318
TP1042	10 x 42	-1600K

Spotting Scope 18-36 x 50

SS3650

High quality precision lenses. Dust caps for ocular and objective lenses. Rubber armoured body protection. Complete with tripod and mounting point.

Includes
case with shoulder strap, and cleaning cloth. Bag has integral divider which separates the scope from the tripod to eliminate undue wear and tear.

18 - 36 x50



Tripod use *Fold down eye cup* *Diopter measurement*

Prism type: Porro.
Magnification: 18 - 36x.
Objective lens: 50mm.
Angle of view: 26 - 43°.
Field of view at 1000m: 23 - 38m.
Exit pupil: 1.5 - 4mm.
Focusing method: Manual.
Dimensions: (W x H x D) 380 x 360 x 330mm.
Weight: 1190g.

Product Number	Magnification x Lens Diameter	Order Code RTL-318
SS3650	18-36 x 50	-3100K

PRECISION EQUIPMENT

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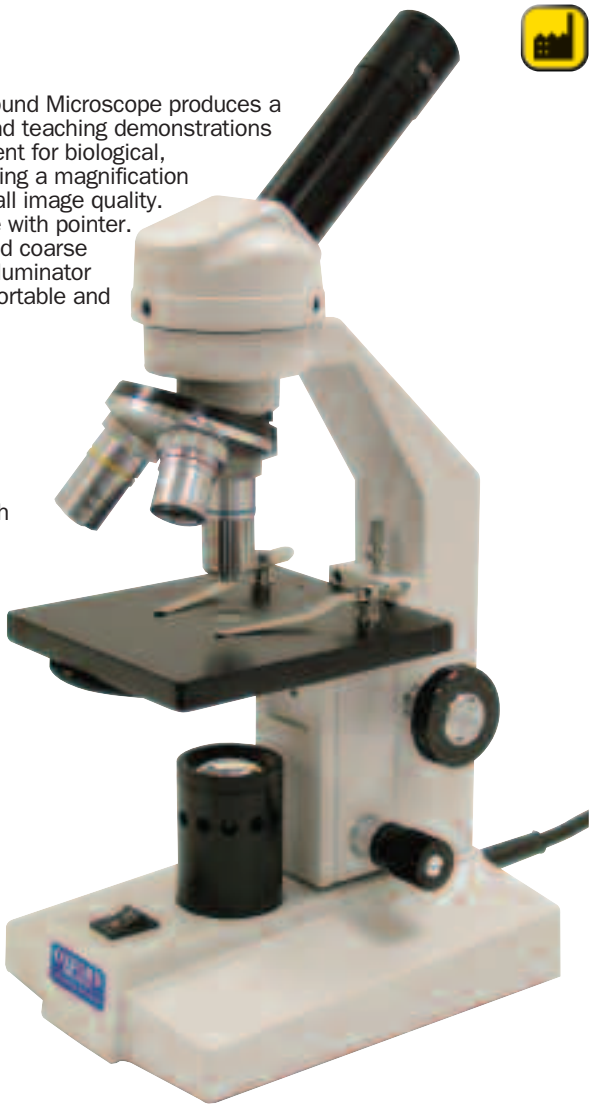
OXFORD PRECISION *Biological Compound Microscope*

BCM400

Constructed to high optical and mechanical standards, the Oxford Biological Compound Microscope produces a clear and well defined two dimensional image. Designed for clinical examination and teaching demonstrations in laboratories, scientific research, colleges and the medical field. An ideal instrument for biological, bacteriological, pathological and pharmaceutical research. High quality prism providing a magnification of up to 400x. Fully coated optical system for improved light transmission and overall image quality. Objective lenses are of DIN standard, colour coded and click into position. Eyepiece with pointer. Monocular head which is inclined at 45° and can be rotated 360°. Separate fine and coarse focus by rack and pinion with a built-in slip clutch and tension adjustment. Built-in illuminator with a blue filter and a built in condenser lens ensuring optimal light effect for comfortable and clear viewing. Large die cast acid and reagent proof stage.



Eyepiece: . . . . . Wide angle 10x, 18mm field with pointer.
Tube length: . . . . . 160mm.
Objective lenses:. . . . . Achromatic DIN 4x (0.10 numerical aperture).
Objective lenses:. . . . . Achromatic DIN 10x (0.25 numerical aperture).
Objective lenses:. . . . . Achromatic DIN 40xS (0.65 numerical aperture) retractable.
Disc diaphragm: . . . . . 3mm, 4mm, 5mm, 8mm and 20mm calibrated dish type.
Stage condenser: . . . . . Single lens 0.65 numerical aperture condenser.
Fine focusing: . . . . . 0.0002mm.
Stage:. . . . . 110 x 120mm.
Lamp: . . . . . 220V/20W tungsten bulb.
Fuse type:. . . . . Lamp T1A 250V, plug 3 amp.
Voltage: . . . . . 220V ± 10%, 50/60Hz.
Indoor working temperature: . . 0°C - 40°C (32°F - 104°F).
Maximum relative humidity: . . 85%.
Overall height:. . . . . 355mm.
Net weight:. . . . . 2.832kg.

Part Number	Magnification	Order Code **OXD-318**
BCM400	400x	**-4100K**

Dissecting Stereo Metallurgical Microscope

DSM040

Constructed to high optical and mechanical standards, the Oxford Dissecting Stereo Microscope produces a clear and well defined three dimensional image. Designed for clinical examination and teaching demonstrations in laboratories, scientific research, colleges and the medical field. Provides true colour. High quality prism providing a magnification of up to 40x. Fully coated optical system for improved light transmission and overall image quality. Objective lenses are of DIN standard and click into position. Rubber eyecups and a diopter adjustment ring for clear and comfortable viewing. Rack and pinion focusing with built in slip clutch system. A choice of either upper or lower illumination or both. Pillar mounted body rotates 360° and can be removed and mounted on machine tools or laboratory apparatus. Binocular head which is inclined at 45°. Built-in illuminator.



Eyepiece: . . . . . Wide angle 10x.
Field of view:. . . . . 10mm at 2x/5mm at 4x.
Diopter adjustment range:. . . ±5mm.
Objective lenses: . . . . . Achromatic DIN 2x/object field 10mm.
Objective lenses: . . . . . Achromatic DIN 4x /object field 5mm.
Working distance:. . . . . 53mm.
Interpupillary distance: . . . . . Adjustable between 55 - 75mm.
Object plate:. . . . . 95mm black/white and opaque glass.
Lamp: . . . . . 12V/10W festoon incandescent clear bulb.
Fuse type:. . . . . Lamp T1A 250V, plug 3 amp.
Voltage: . . . . . 220V ± 10%, 50/60Hz.
Indoor working temperature: . 0°C - 40°C (32°F - 104°F).
Maximum relative humidity: . 85%.
Overall height:. . . . . 355mm.
Net weight:. . . . . 2.359kg.

Part Number	Magnification	Order Code **OXD-318**
DSM040	40x	**-4400K**

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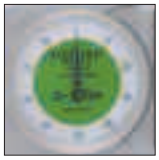
OXFORD PRECISION Dual Counter Height Gauges



Used in conjunction with a granite or metal surface plate, the Oxford dual counter height gauge will give you the accuracy you need when laying out work prior to machining. The height gauge can also be used in much the same way as a caliper to help you determine the dimensions of a workpiece.

- Designed for accurate marking out and taking precise measurements.
- Measuring head positioned on sturdy twin columns providing highly repeatable height measurements and stability.
- Easy reading with dual directional negative and positive reading mechanical digital counters.
- Rotating dial face.
- Independently set the counters, to zero at any position.
- Large feed wheel for rapid and precise adjustment.
- Tungsten carbide tipped scriber for accurate marking out.
- Manufactured from durable stainless steel.



Reading
Inch: 0.001"/0.1"
Metric: 0.01mm/1mm

Range	Product Number	Range/ Rev	Weight each	Order Code OXD-330	
12"	DHG000	0.1"	4.25kg	**-3120K**	**N/A**
24"	DHG000	0.1"	10.00kg	**-3240K**	**N/A**
300mm	DHG000	1mm	4.25kg	**-3620K**	
600mm	DHG000	1mm	10.00kg	**-3740K**	

Bevel Protractor Set

For accurate angle measurement of machines, moulds and jigs. Made of polished and hardened stainless steel with magnifying lens for easy reading of vernier scale. Range is 4x 90° and accuracy is + ½° or 5 minutes. Set includes: protractor head, 150mm (6"), 200mm (8") & 300mm (12") plain rules, height gauge and acute angle attachments.



Description	Order Code OXD-330
Bevel Protractor Set	**-9500K**

KENNEDY QUALITY INDUSTRIAL TOOLING 300mm/12" Multi-Function Combination Set -

Square head: With accurate machined faces, fixed angles of 45° and 90°, built-in spirit level, adjusting nut amd scriber.
Protractor head: For measuring angles up to 180°, graduated to 1° with one machined face, three knurled securing/adjusting nuts.
Centre head: Offers a fixed 90° angle, for finding the centre of round bar stock up to 120mm diameter.
300/12" rule: Hardened stainless steel with graduations in 0.5mm and 1/64".

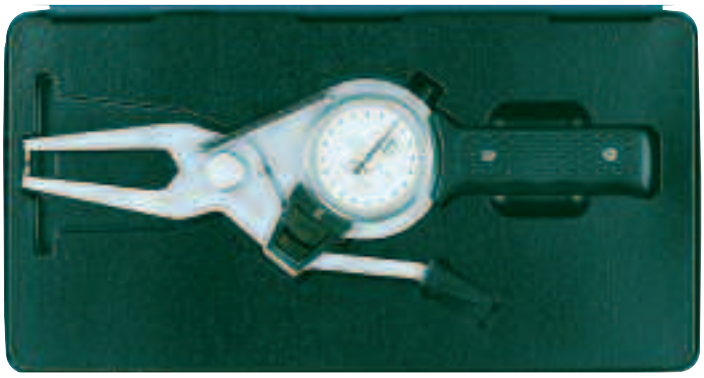


Model Number	Description	Order Code KEN-330	
KCS300	Combination Set	**-3250K**	**N/A**

Leg Type Dial Calipers

Leg type dial calipers used for measuring diameters and narrow grooves in hard to reach places.

Internal specifications: range: 55 - 75mm, graduation: .01mm, groove depth: 8mm, groove width: 3mm, maximum reach: 100mm.
External specifications: range: 0 - 20mm, graduation: 0.01mm, groove depth: 6mm, groove width: 3mm, throat depth: 60mm.



Type	Groove Depth	Reach/ Depth	Order Code OXD-330
External	6mm	60mm	**-0600K**
Internal	8mm	100mm	**-0750K**

Dial Thickness Gauge

For quickly measuring the thickness of paper, film, leather, rubber etc. The spindle is moved using the thumb lever. With adjustable bezel. Measuring faces are made of high grade tool steel, hardened, ground and lapped for accuracy. Thumb lever raises spindle to allow for workpiece insertion.
Range: 0 - 10mm.
Graduations: 0.01mm.
Throat depth: 30mm.
Accuracy: ±0.02mm.

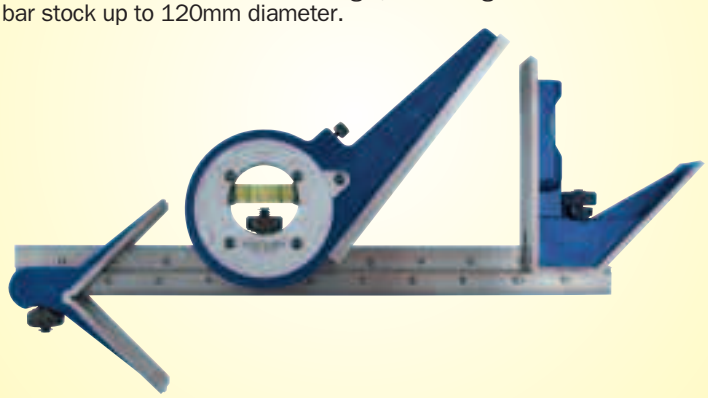


Type	Groove Depth	Reach/ Depth	Weight each	Order Code OXD-330
External	6mm	60mm	236g	**-0100K**

OXFORD PRECISION 12"/300mm Multi-Function Combination Set

Fully hardened and ground datum faces to resist wear.
Centrally mounted protractor vial allows unrestricted viewing.
Precision rules with deeply etched graduations on both sides for ease of reading and long life.

Protractor: Full 360° scale plate, graduated 0 - 180° - 0, includes vial.
Square head: Offers the following fixed angles: 45° and 90°.
Centre head: Offers a fixed 90° angle, for finding the centre of round bar stock up to 120mm diameter.



Description	Order Code OXD-330
Combination Set	**-3850K**

PRECISION EQUIPMENT

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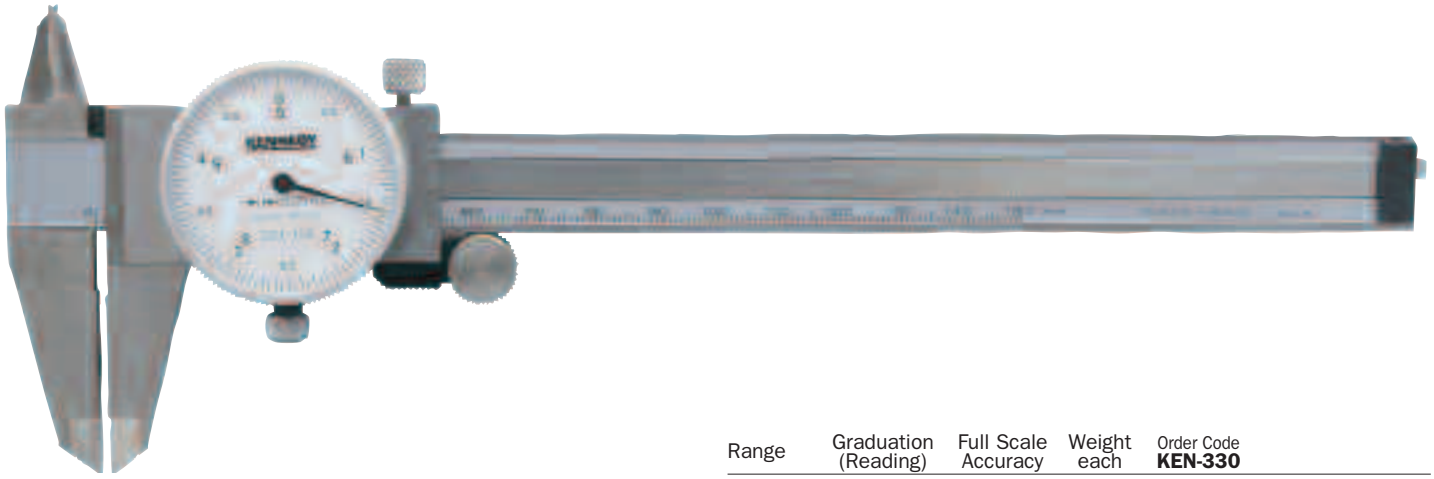
KENNEDY Dial Calipers

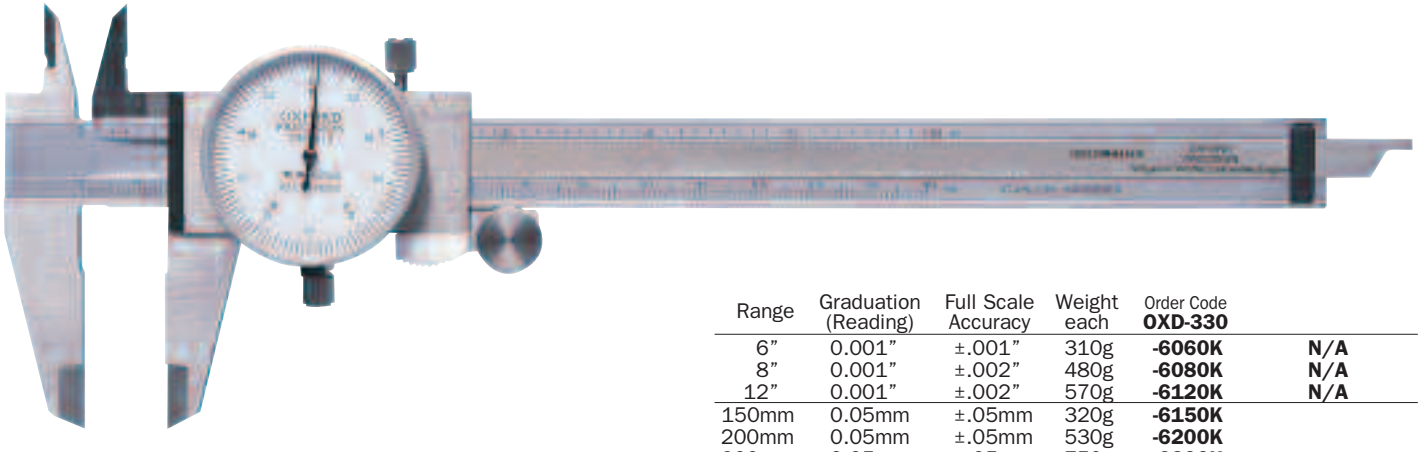
Rack covers prevent dust from fouling teeth of racks. All measuring faces are precision ground and micro lapped for absolute inside, outside, depth and step readings. Manufactured to **DIN 862**.



Range	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **KEN-330**
150mm	0.05mm	±.05mm	320g	**-1160K**

OXFORD PRECISION Dial Calipers

Rack covers prevent dust from fouling teeth of racks. All measuring faces are precision ground and micro lapped for absolute inside, outside, depth and step readings. Manufactured to **DIN 862**.

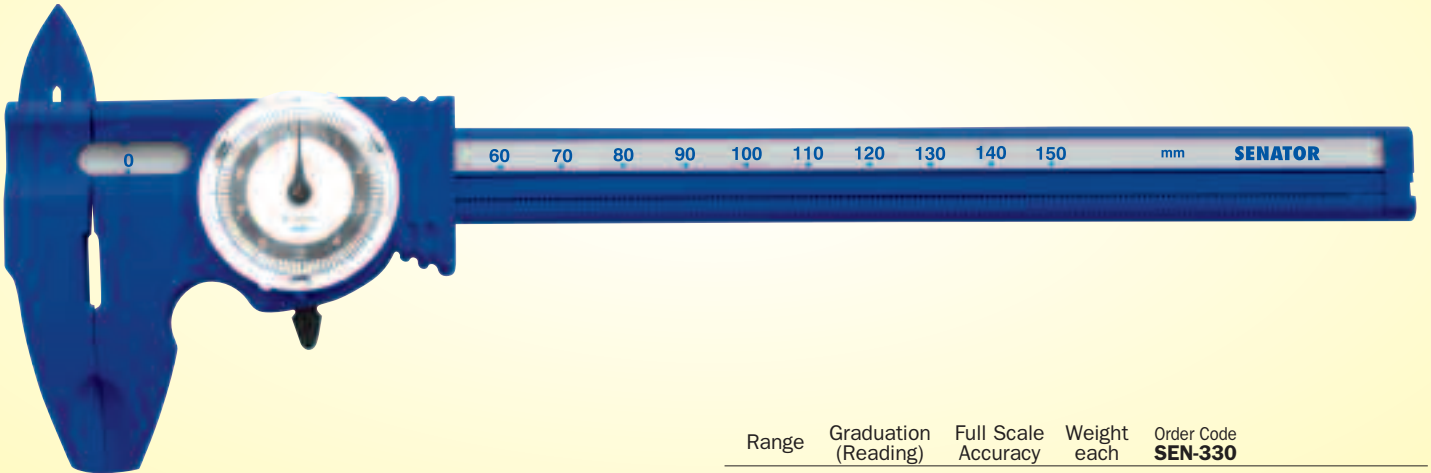


Range	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **OXD-330**	
6”	0.001”	±.001”	310g	**-6060K**	**N/A**
8”	0.001”	±.002”	480g	**-6080K**	**N/A**
12”	0.001”	±.002”	570g	**-6120K**	**N/A**
150mm	0.05mm	±.05mm	320g	**-6150K**	
200mm	0.05mm	±.05mm	530g	**-6200K**	
300mm	0.05mm	±.05mm	750g	**-6300K**	

SENATOR QUALITY TOOLING Plastic Dial Caliper - Metric

Accurate four way measurement: internal, external, step and depth. Sliding jaw lock.
Manufactured from high strength, lightweight polymide plastic.

Accuracy: ±0.1mm.



Range	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **SEN-330**
150mm	0.1mm	±.0.1mm	175g	**-6100K**

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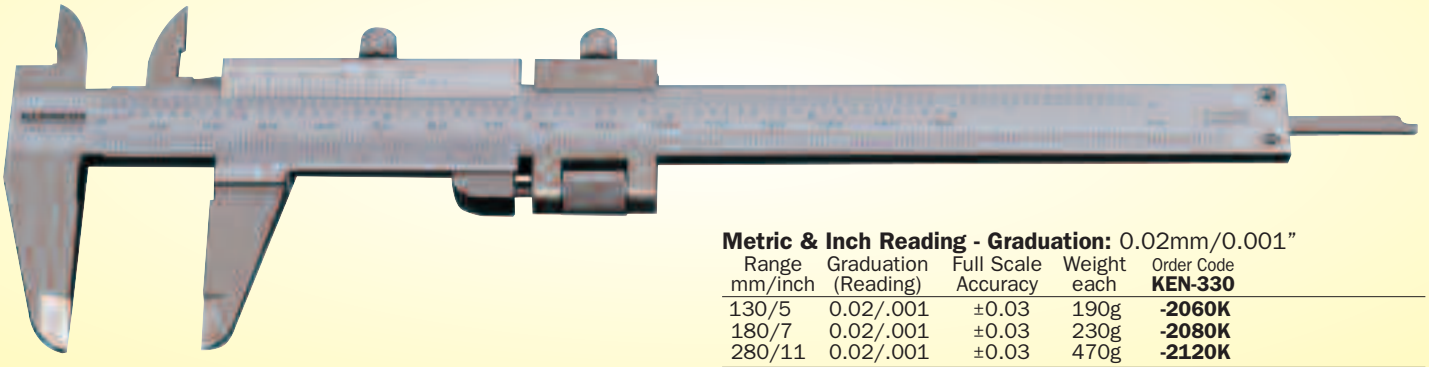
KENNEDY Fine Adjustment Vernier Calipers

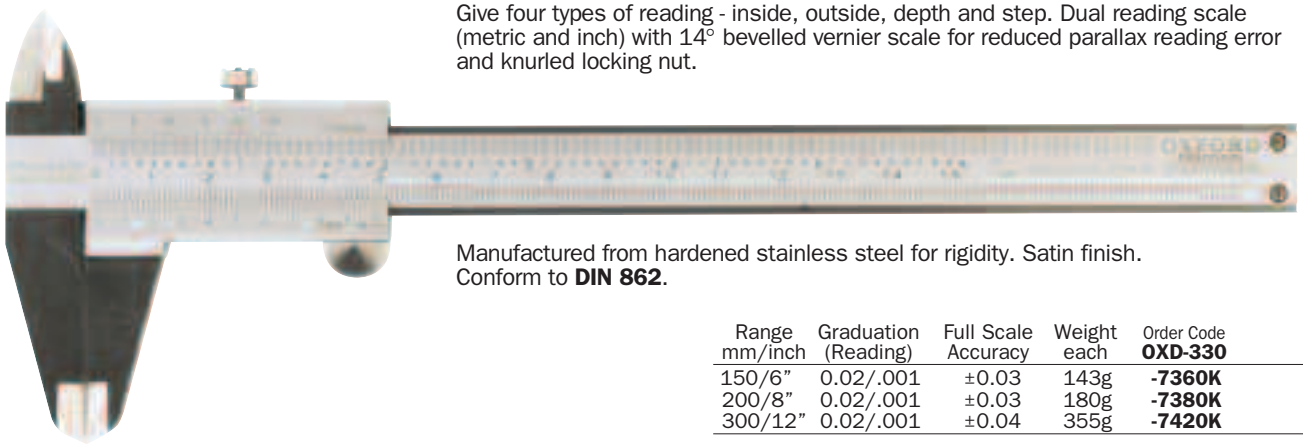
Incorporating Quadri feature - gives outside, inside, depth and step readings. Fine adjustment feature allows improved sensitivity of slider movement. 14° vernier face angle reduces parallax. Satin chrome finish with clear easy read graduations.



Metric & Inch Reading - Graduation: 0.02mm/0.001”

Range mm/inch	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **KEN-330**
130/5	0.02/.001	±0.03	190g	**-2060K**
180/7	0.02/.001	±0.03	230g	**-2080K**
280/11	0.02/.001	±0.03	470g	**-2120K**

OXFORD PRECISION Standard Vernier Calipers



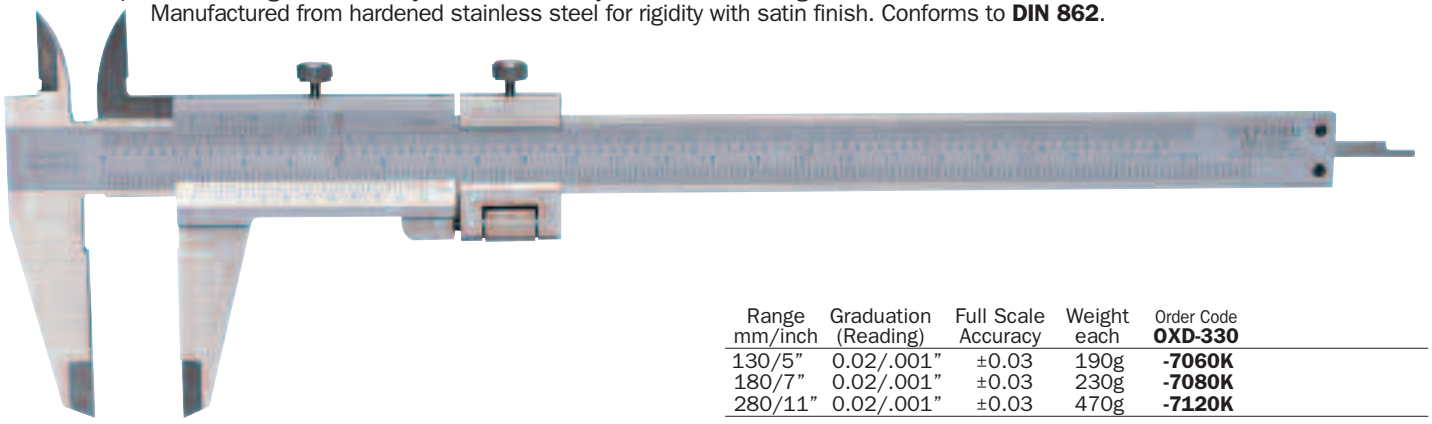
Give four types of reading - inside, outside, depth and step. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error and knurled locking nut.

Manufactured from hardened stainless steel for rigidity. Satin finish. Conform to **DIN 862**.

Range mm/inch	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **OXD-330**
150/6”	0.02/.001	±0.03	143g	**-7360K**
200/8”	0.02/.001	±0.03	180g	**-7380K**
300/12”	0.02/.001	±0.04	355g	**-7420K**

Fine Adjustment Vernier Calipers

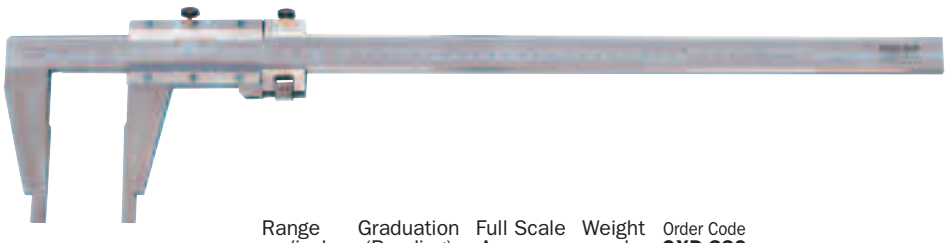
Give four types of reading, inside, outside, depth and step. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error, fine adjustment assembly and knurled locking nut.
Manufactured from hardened stainless steel for rigidity with satin finish. Conforms to **DIN 862**.



Range mm/inch	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **OXD-330**
130/5”	0.02/.001”	±0.03	190g	**-7060K**
180/7”	0.02/.001”	±0.03	230g	**-7080K**
280/11”	0.02/.001”	±0.03	470g	**-7120K**

Heavy Duty Vernier Calipers

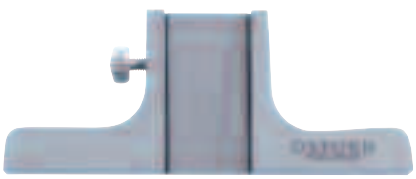
Give inside and outside readings. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error, fine adjustment assembly and knurled locking nut. Internal reading edges have rounded faces for accurate bore measurement. Manufactured from hardened stainless steel.



Range mm/inch	Graduation (Reading)	Full Scale Accuracy	Weight each	Order Code **OXD-330**
450/18”	0.02/0.001	±0.1	2.25kg	**-7180K**
600/24”	0.02/0.001	±0.1	2.40kg	**-7240K**

Depth Gauge Attachment

Stainless steel depth gauge attachment for use with 150 and 200mm (6” and 8”) depth gauges. 16mm vernier recess width with knurled locking nut.



Size	Models suited (mm)	Weight each	Order Code **OXD-330**
75mm	150/200	45g	**-9600K**

PRECISION EQUIPMENT

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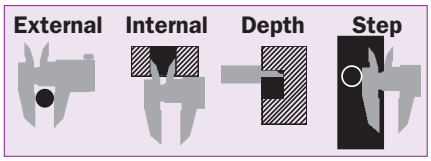
KENNEDY ABSolute Digital Electronic Calipers

Modern design with a knurled thumb wheel for easy use when taking internal and external depth and step measurements. Dual readout giving instant inch/metric conversion at the touch of a button. Zero reset at any point, large clear display, error-free operation, fast response speed. Non-output type. **Resolution:** 0.01mm/0.0005".



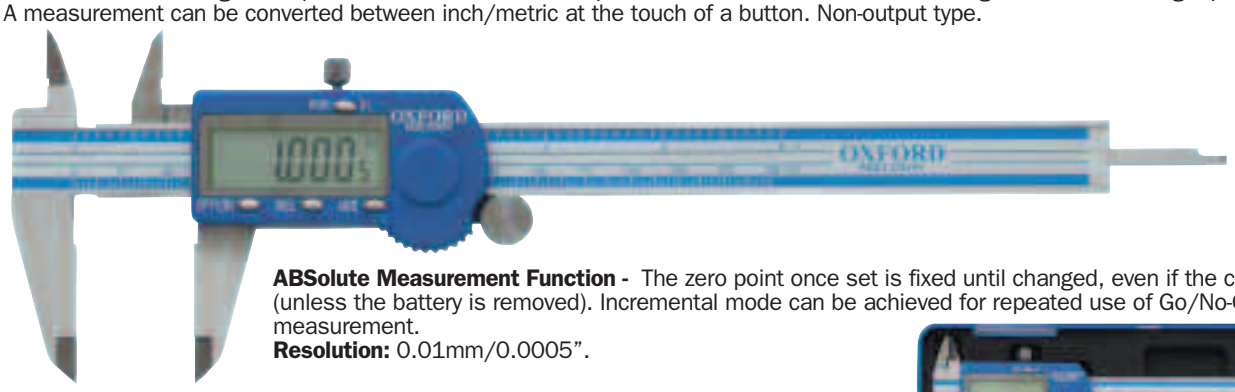
Extra batteries available - Order Code **EDI-904-4000K**.



Range	Accuracy (mm)	Weight each	Order Code **KEN-331**
150mm/ 6"	±0.03	360g	**-2260K**
200mm/ 8"	±0.03	425g	**-2280K**
300mm/12"	±0.03	805g	**-2320K**

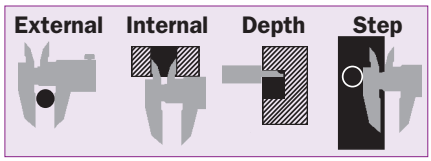
OXFORD PRECISION Precision ABS Digital Calipers

Precision ABSolute digital calipers have a thumb wheel for precise movement and a useful locking screw for checking repeat measurements. A measurement can be converted between inch/metric at the touch of a button. Non-output type.



ABSolute Measurement Function - The zero point once set is fixed until changed, even if the caliper is turned off (unless the battery is removed). Incremental mode can be achieved for repeated use of Go/No-Go measurement.
Resolution: 0.01mm/0.0005".





Extra batteries available - Order Code **EDI -904-4000K**.

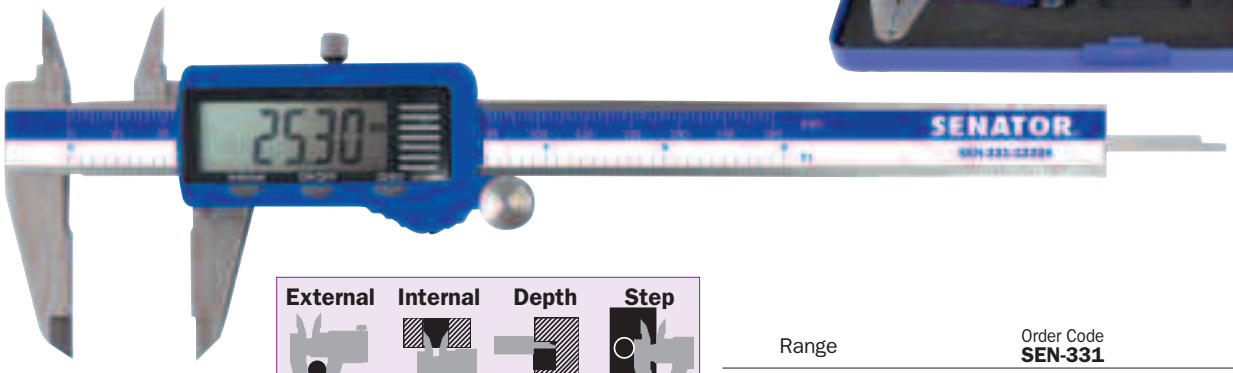
Range	Accuracy (mm)	Weight each	Order Code **OXD-331**
150mm/ 6"	±0.03	360g	**-2260K**
200mm/ 8"	±0.03	460g	**-2280K**
300mm/12"	±0.03	810g	**-2320K**

SENATOR QUALITY TOOLING Digital Calipers

Large display for clarity. Fast response speed. Zero reset. Dual readout mm/inch. Multi-use, inside, outside, depth and step measuring. Knurled thumb grip for precise movement.

Resolution: 0.01mm/0.0005"
Accuracy: ±0.03mm/±0.001"





Range	Order Code **SEN-331**
150mm/6"	**-1230K**
200mm/8"	**-1250K**
300mm/12"	**-1290K**

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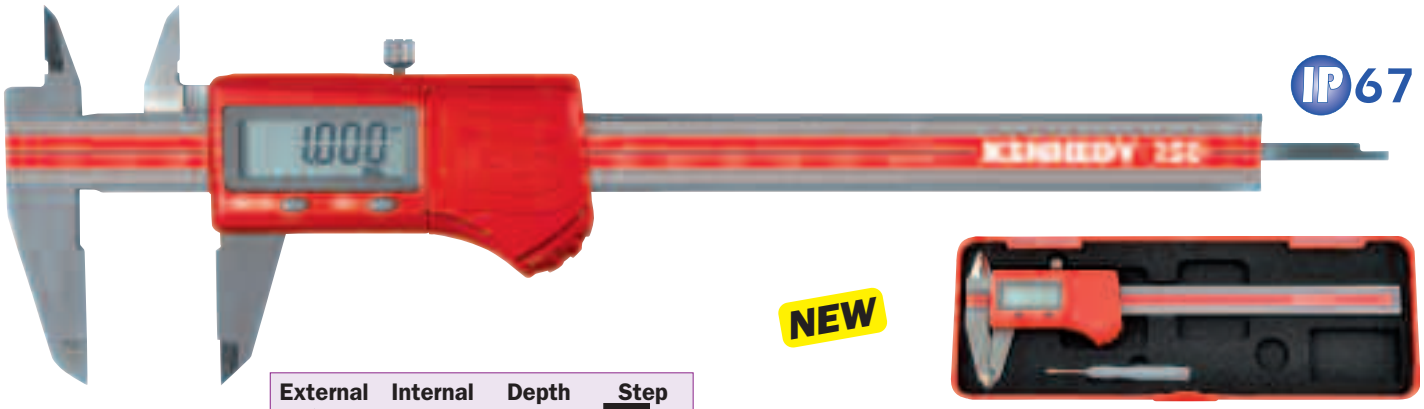
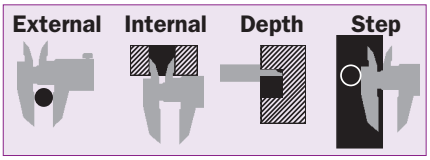
KENNEDY Coolant-Proof IP67 Digital Caliper

Available in a range of sizes, this digital caliper is coolant, water and dust proof to IP67 level. It has a large LCD display, fast response speed, dual readout (mm/inch) and can be used for inside, outside, depth and step measuring. Also enables absolute and relative reading.



IP67

NEW



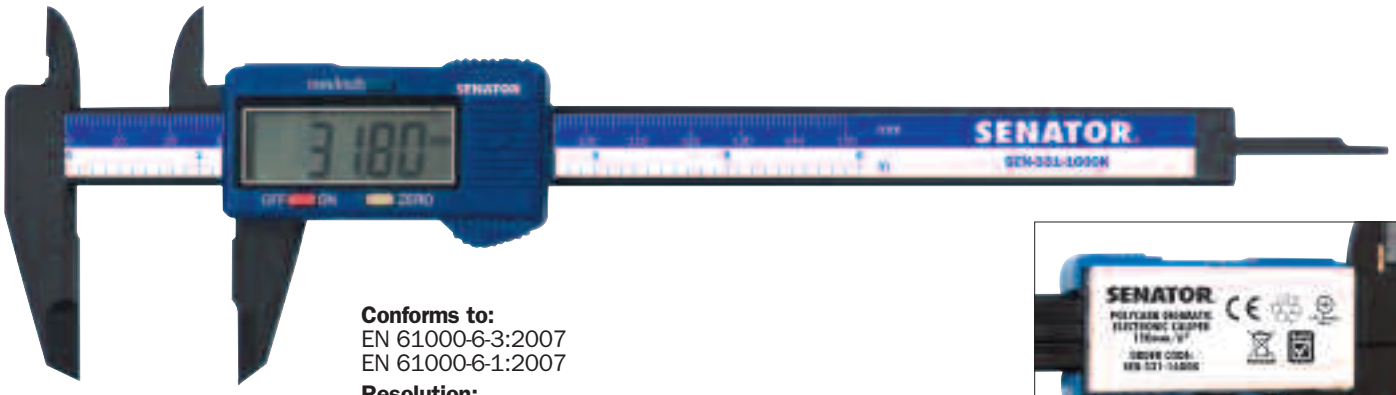
Extra batteries available - Order Code **EDI-904-4000K**.

Range	Accuracy (mm)	Weight each	Order Code **KEN-331**
150mm/6”	±.02	400g	**-1200K**
200mm/8”	±.02	500g	**-2270K**
300mm/12”	±.02	750g	**-2310K**

SENATOR Digital Caliper

Carbon Fibre Digital Electronic Caliper - 150mm/6”

Carbon fibre composite shaft. Measures outside, inside, step and depth. Uses one SR44 battery.



Conforms to:
EN 61000-6-3:2007
EN 61000-6-1:2007

Resolution:
0.01mm/0.0005”

Accuracy:
±0.02mm/±0.001”

Range	Resolution	Accuracy (mm)	Weight each	Order Code **SEN-331**
150mm/6”	0.01mm	±0.02	360g	**-1600K**

OXFORD PRECISION 0 - 150mm/0 - 6” Digital Depth Gauge

Easy handling with mm/inch measurement, large digital display. External readings with zero set at any point fitted with a thumb wheel for greater accuracy.



IP54 **Protected against dust ingress and fluid splash**

inch mm CONVERTIBLE | ZERO RESET | READING .01mm .0005” | SPARE BATTERY

Description	Order Code **OXD-331**
0 - 150mm/6” Digital Depth Gauge	**-4060K**

PRECISION EQUIPMENT

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OXFORD PRECISION External Digital Micrometer

External Digital Micrometer 0-25mm/0-1"
Oxford external digital micrometer with large digital display, quick response speed and zero set at any point. Metric/inch measurement. Can be connected to a PC serial port via the SPC cable (supplied separately). **IP65** rating.

- Easy handling
- mm/Inch measurements
- Ball end cap for measuring curved surfaces
- Large digital display
- Quick response speed
- Zero set at any point
- **IP65** rating

Coolant Proof

IP65



Range	Order Code OXD-331
0 - 25mm/0 - 1"	**-6110K**

Digital Electronic External Micrometer

Easy handling with a large digital display, quick response speed and zero set at any point. Metric/inch measurement. The micrometer can be connected to a PC serial port by the SPC cable provided. **IP54** rating.

Range: 0 - 25mm/0 - 1".
Resolution:
0.001mm/0.00005".
Measuring force:
5 - 10N.
Accuracy: -0.004mm.

IP54
Protected against dust ingress and fluid splash



With SPC Data Output

Range	Resolution	Order Code OXD-331
0 - 25mm/0 - 1"	0.001mm/0.0005"	**-5010K**

OXFORD PRECISION IDM Digital Indicator

Features: Easy to use with clear digital LCD display. Large, easy-read 7.5mm LCD display. Soft-key touch for operator comfort, superior construction quality.
Response speed: ≤0.5m/s.
Auto power off.

Type IDM
Inch/metric conversion, zero reset, data hold, min. max display, fast display, auto power off.



inch mm CONVERTIBLE
TRAVEL 12.7mm 0.5"
ZERO RESET
READING 0.001mm .00005"
IP54 **Protected against dust ingress and fluid splash**

Description	Order Code OXD-331
IDM Digital Indicator	**-6020K**

IDS Digital Indicator

Features:
Easy to use with clear digital LCD display. Large, easy-read 7.5mm LCD display. Soft-key touch for operator comfort.
Superior construction quality.
Response speed:
≤0.5m/s.
Auto power off.



inch mm CONVERTIBLE
TRAVEL 12.7mm 0.5"
ZERO RESET
READING 0.01mm .0005"
IP54 **Protected against dust ingress and fluid splash**

Description	Order Code OXD-331
IDS Digital Indicator	**-6010K**

KENNEDY Digital Protractor

PDV360
This digital protractor has a range of 360° split into 4 x 90° quadrants. It is simple to calibrate and the intelligent display changes orientation at 90° and 270° to remain readable. It has a 'V' groove on the top and bottom for easy placement on acute angled or cylindrical objects. 3V lithium battery gives up to 2000 hours use. Complete with a leatherette pouch that has a belt loop.
Resolution: 0.1°



Range	Weight each	Order Code KEN-331
360° (90° ξ 4)	10.2κγ	**-4020K**

PRECISION EQUIPMENT

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KENNEDY Permanent Mag Stand

Mini-Mag Stand
With one magnetic face. Light duty with standard clamp, 30mm diameter keeper.

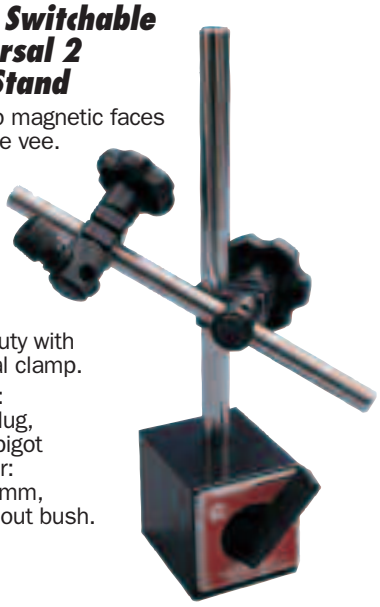
Mounts:
1/4" I/D lug, stem/spigot diameter: 5/16".
Column height x dia.:
120 x 6.3mm.
Magnetic pull:
14.75kg.
Base dimensions:
30 x 35mm.



Overall Height	Weight each	Order Code KEN-333
150mm	314g	-2010K

Lever Switchable Universal 2 Mag Stand

With two magnetic faces and large vee.



Heavy duty with universal clamp.

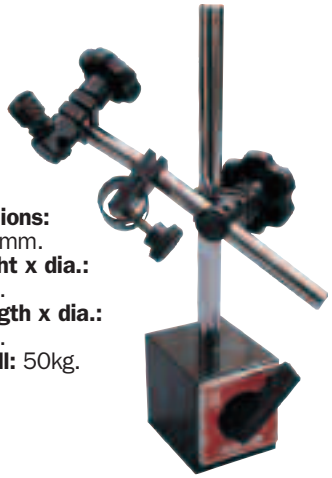
Mounts:
1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.

Overall Height	Weight each	Order Code KEN-333
230mm	1.2kg	-2030K

Lever Switchable Fine Adjustable 2 Mag Stand

With two magnetic faces and large vee. Heavy duty with universal clamp and fine adjustment.

Mounts:
1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.
Base dimensions:
60 x 50 x 55mm.
Column height x dia.:
175 x 12mm.
Crossbar length x dia.:
165 x 10mm.
Magnetic pull: 50kg.



Overall Height	Weight each	Order Code KEN-333
230mm	1.2kg	-2050K

OXFORD PRECISION Universal 2 Mag Stand

Lever type, two magnetic faces and large vee. With universal clamp.

Mounts:1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.
Base dimensions: 60 x 65 x 55mm.
Column height x dia.: 175 x 12mm.
Crossbar length x dia.: 160 x 10.0mm.
Magnetic pull: 50kg.



Overall Height	Weight each	Order Code OXD-333
230mm	1.20kg	-7030K

Fine Adjustment 2 Mag Stand

Lever type two magnetic faces and large vee. Universal clamp.

Mounts:
1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.
Base dimensions: 60 x 50 x 55mm.
Column height x dia.: 175 x 12mm.
Crossbar length x dia.: 160 x 10.0mm.
Magnetic pull: 50kg.



Overall Height	Weight each	Order Code OXD-333
230mm	1.20kg	-7050K

Universal 4 Mag Stand

With four magnetic faces, one at 45°. Universal clamp.

Mounts:
1/4" I/D lug, stem/spigot diameter: 1/8", 5/16" and 3/8".



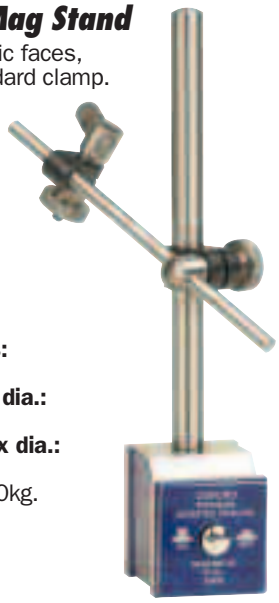
Base dimensions:
60 x 50 x 55mm.
Column height x dia.:
175 x 12mm.
Crossbar x dia.:
160 x 10.0mm.
Magnetic pull: 30kg.

Overall Height	Weight each	Order Code OXD-333
230mm	1.20kg	-7100K

Compact 4 Mag Stand

With four magnetic faces, one at 45°. Standard clamp.

Mounts:
1/4" I/D lug, stem/spigot diameter: 5/16".



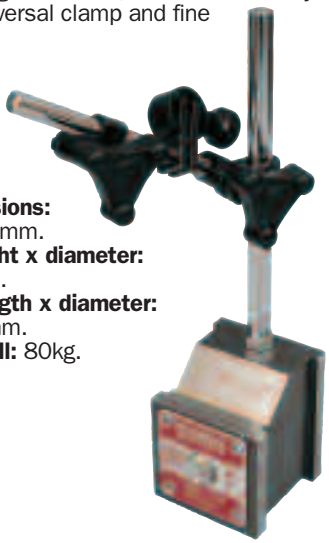
Base dimensions:
50 x 50 x 76mm.
Column height x dia.:
185 x 12mm.
Crossbar length x dia.:
165 x 6.3mm.
Magnetic pull: 30kg.

Overall Height	Weight each	Order Code OXD-333
280mm	1.90kg	-7080K

Fine Adjusting 4 Mag Stand

With four magnetic faces, one at 45°. Heavy duty with universal clamp and fine adjustment.

Mounts:
1/4" I/D lug, stem/spigot diameter: 1/8", 1/4".



Base dimensions:
64 x 64 x 76mm.
Column height x diameter:
175 x 12mm.
Crossbar length x diameter:
165 x 10.0mm.
Magnetic pull: 80kg.

Overall Height	Weight each	Order Code KEN-333
280mm	1.90kg	-2060K

PRECISION EQUIPMENT

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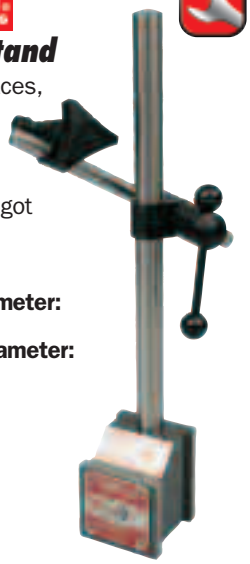
Major 4 Mag Stand

With four magnetic faces, one at 45°.
Heavy duty with universal clamp.
Mounts:
1/4" I/D lug, stem/spigot diameter: 1/4", 5/16".
Base dimensions:
64 x 64 x 76mm.
Column height x diameter:
266 x 20mm.
Crossbar length x diameter:
200 x 14.0mm.
Magnetic pull: 80kg.



Overall Height	Weight each	Order Code KEN-333
380mm	3.00kg	**-2070K**

Compact 4 Mag Stand

With four magnetic faces, one at 45°. Medium duty with standard clamp.
Mounts:
1/4" I/D lug, stem/spigot diameter: 5/16".
Base dimensions:
50 x 50 x 76mm.
Column height x diameter:
185 x 12mm.
Crossbar length x diameter:
150 x 6.3mm.
Magnetic pull: 30kg.



Overall Height	Weight each	Order Code KEN-333
273mm	0.89kg	**-2080K**

Universal 4 Mag Stand

With four magnetic faces, one at 45°.
Heavy duty with universal clamp.
Mounts:
1/4" I/D lug, stem/spigot diameter: 1/8", 5/16" and 3/8".
Base dimensions:
48 x 40 x 50mm.
Column height x diameter:
175 x 12mm.
Crossbar length x diameter:
165 x 10.0mm.
Magnetic pull: 30kg



Overall Height	Weight each	Order Code KEN-333
227mm	0.90kg	**-2100K**

Lever Switchable Mini Elbow Joint 2 Mag Stand

Compact in design, this stand has a magnetic pull of 40kg with positive switching, fully adjustable joints and slotted 'V' groove.
Mounts:
1/4" I/D lug, dovetail stem/spigot diameter: 5/16".
Base dimensions:
36 x 30 x 35mm.
Column height x diameter:
Up to 150 x 12mm.
Magnetic pull: 40kg.



Mini Elbow Joint	Weight each	Order Code KEN-333
2 Mag	420g	**-2140K**

Lever Switchable Large Elbow Joint 2 Mag Stand

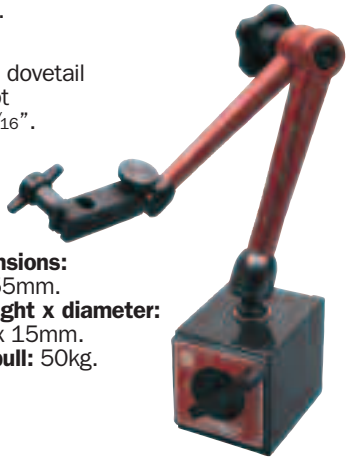
Large stand with two powerful magnetic faces producing a magnetic pull of 80kg. Positive switching, fully adjustable joints and slotted 'V' groove for versatility.
Mounts:
1/4" I/D lug, dovetail stem/spigot diameter: 5/16".
Base dimensions:
60 x 50 x 55mm.
Column height x diameter:
Up to 300 x 17mm.
Magnetic pull: 80kg.



Large Elbow Joint	Weight each	Order Code KEN-333
2 Mag	1.62kg	**-2150K**

Lever Switchable Elbow Joint 2 Mag Stand

With two magnetic faces and large vee. Medium duty special clamp with fine adjustment.
Mounts:
1/4" I/D lug, dovetail stem/spigot diameter: 5/16".
Base dimensions:
60 x 50 x 55mm.
Column height x diameter:
Up to 280 x 15mm.
Magnetic pull: 50kg.



Elbow Joint	Weight each	Order Code KEN-333
2 Mag	1.2kg	**-2110K**

Lever Type Base - 50kg

Fitted as standard to **KEN-333-2030K**, **-2050K** and **-2110K** two magnetic faces, bottom and back face.
Large vee for curved surfaces.
Threaded: M8 x 1.25mm.
Base dimensions: 60 x 50 x 55mm.
Magnetic pull: 50kg.



Magnetic Pull	Weight each	Order Code KEN-333
50kg	850g	**-2240K**

Push Button Base - 30kg

Fitted as standard to **KEN-333-2080K** and **-2100K**. Four magnetic faces, bottom, sides and 45° angle face for curved surfaces.
Threaded: M8 x 1.25mm.
Magnetic pull: 30kg.



Magnetic Pull	Weight each	Order Code KEN-333
30kg	850g	**-2220K**

Push Button Base - 80kg

Fitted as standard to **KEN-333-2060K** and **-2070K**. Four magnetic faces, bottom, sides and 45° angle face for curved surfaces.
Threaded: M8 x 1.25mm.
Magnetic pull: 80kg.



Magnetic Pull	Weight each	Order Code KEN-333
80kg	850g	**-2200K**

PRECISION EQUIPMENT

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KENNEDY Magnetic Stand Fitments

All main columns are threaded M8 x 1.25mm and are interchangeable with Kennedy, Oxford, Mitutoyo etc. base units except mini-mag (M6 x 1mm) also suitable for incorporating into special fixtures or threaded pot magnets.

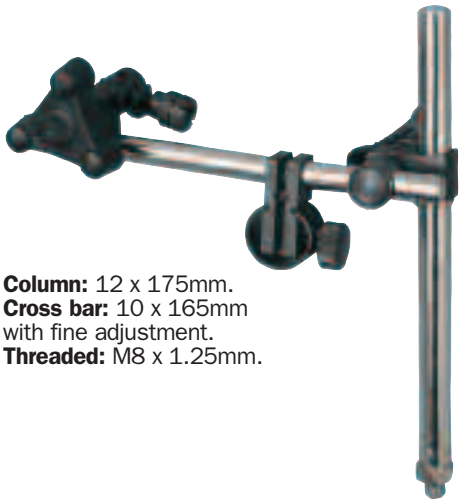


Light Duty Fitment - Plain
Fitted as standard to **KEN- 333-2010K**.

Column: 6.3 x 120mm.
Threaded: M6 x 1mm.

6.3mm Standard Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Stem/Spigot Dia. 5/16"	90g	**-2500K**

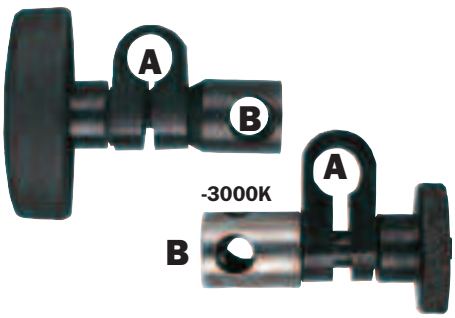
Heavy Duty Fitment - Fine Adjusting
Fitted as standard to **KEN- 333-2060K** and **KEN- 333-2050K**.



Column: 12 x 175mm.
Cross bar: 10 x 165mm with fine adjustment.
Threaded: M8 x 1.25mm.

10mm Universal Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Stem/Spigot Dia.1/8", 1/4", 5/16" & 3/8"	442g	**-2400K**

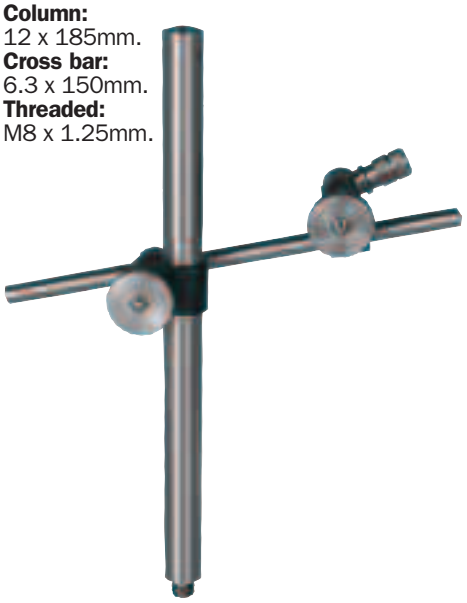
Spare Knuckle Assemblies
For connecting columns and crossbars



Accepts A & B	Weight each	Order Code **KEN-333**
5/16"& 1/4" O/D	50g	**-3000K**
12 & 10mm O/D	60g	**-2920K**

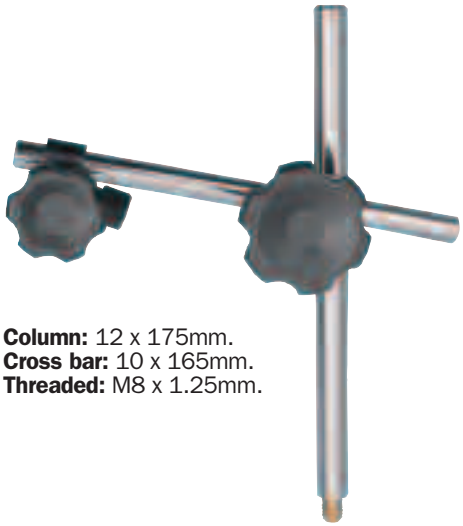
Medium Duty Fitment - Plain
Fitted as standard to **KEN-333-2080K**.

Column:
12 x 185mm.
Cross bar:
6.3 x 150mm.
Threaded:
M8 x 1.25mm.



6.3mm Standard Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Stem/Spigot Dia. 5/16"	420g	**-2460K**

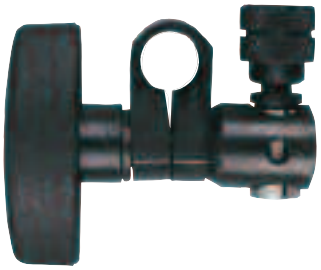
Heavy Duty Fitment - Plain
Fitted as standard to **KEN-333-2100K** and **KEN-333-2030K**.



Column: 12 x 175mm.
Cross bar: 10 x 165mm.
Threaded: M8 x 1.25mm.

10mm Universal Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Stem/Spigot Dia. 1/8", 1/4", 5/16" & 3/8"	400g	**-2420K**

Crossbar Assembly
With lug adaptor. 1/4" I/D lug



Accepts	Weight each	Order Code **KEN-333**
4, 8, & 10mm Spigot To Fit 10mm Bar	85g	**-3020K**
4, 6 & 8mm Spigot To Fit 12mm Bar	85g	**-3040K**

Medium Duty Fitment - 3 Point
Fitted as standard to **KEN-333-2110K**.

3 point adjustable column:
15 x 280mm max.
Threaded: M8 x 1.25mm.



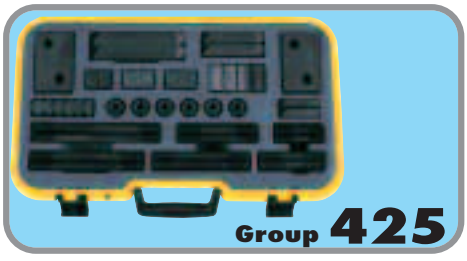
3 Point Special Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Dovetails Stem/Spigot Dia. 5/16"	312g	**-2480K**

Heavy Duty Fitment - Plain
Fitted as standard to **KEN-333-2070K**.

Column: 20 x 266mm.
Cross bar: 12 x 200mm.
Threaded: M8 x 1.25mm.



14mm Universal Clamp To Suit	Weight each	Order Code **KEN-333**
1/4" I/D Lug, Stem/Spigot Dia. 1/8", 1/4", 5/16" & 3/8"	1450g	**-2440K**



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OXFORD PRECISION Dial Indicating Bore Gauges

29mm 1⅛" Dial Diameter
Suitable for rapid, accurate measurement of size, concentricity, wear, taper, etc., in a wide range of bores. For workshop and inspection use. All models have one fixed and one moving anvil and a self-adjusting centre shoe. A 'datum point' can be set by using a setting ring of a known diameter or a micrometer. 'Zero' the gauge to this datum point by rotating the bezel to align 'zero' with the indicator. To check a bore is within tolerance, the limit hands can be fixed as required. All anvils are spring loaded to expand into the bore. For accurate reading ensure the stem of the gauge is parallel to the axis of the bore. This can be checked by 'rocking' the gauge back and forth until the smallest diameter is found.
All models have inter-changeable anvils to cover a range of bore sizes.





Supplied in a tough hard case.

Type	Graduation	Face Dial	Reading	Travel Per Rev	Total Travel
Metric	0.01mm	57mm	0-100	1mm	3mm
Inch	0.0005"	2 3/16"	0-25-0	0.050"	0.25"

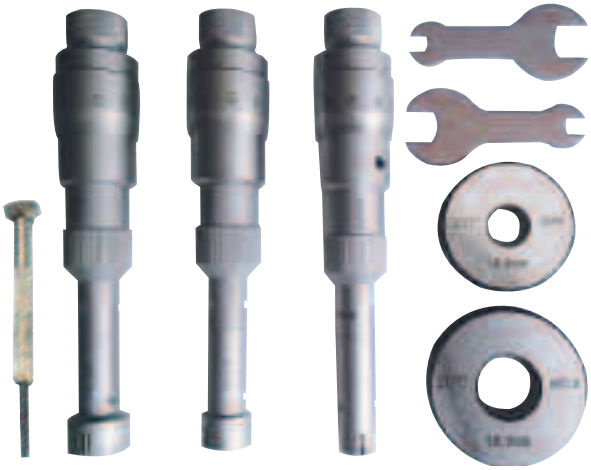
Range	Bore Depth	Weight each	Order Code **OXD-315**	
18 - 35	200	0.58kg	**-1400K**	
35 - 50	240	0.95kg	**-1450K**	
50 - 150	240	1.28kg	**-1500K**	
0.7 - 1.5"	7½"	0.53kg	**-1000K**	**N/A**
1.4 - 2.4"	9"	0.90kg	**-1050K**	**N/A**
2.0 - 6.0"	9"	1.20kg	**-1100K**	**N/A**

3 Point Bore Micrometer Sets

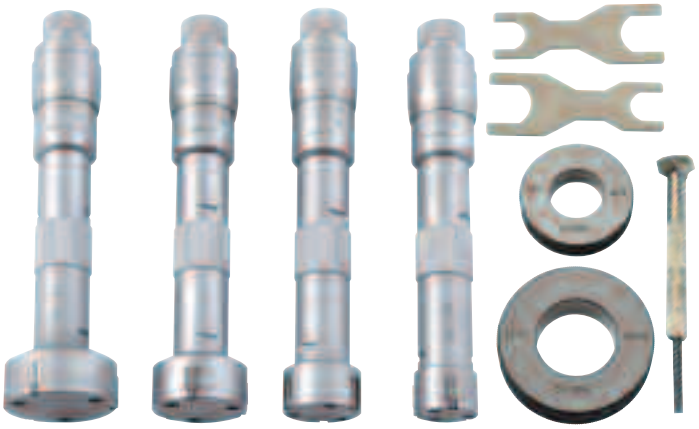
Designed to self-centre, for accurate measuring of bores. Extension rods for measuring 170mm deep on 11 - 20mm and 220mm deep on 20 - 40mm. Satin finish, fitted with knurled ratchet stop.

NEW

OXD-335-2520K
Micrometers: 11 - 14mm, 14 - 17mm, 17 - 20mm.
Calibration ring: 11 and 17mm, slotted screwdriver and spanners x2.



OXD-335-2530K
Micrometers: 20 - 25mm, 25 - 30mm, 30 - 35mm, 35 - 40mm.
Calibration ring: 25 and 35mm, slotted screwdriver and spanners x2.





Range (mm)	Number of Micrometers	Weight each	Order Code **OXD-335**
11 - 20mm	3	1.05kg	**-2520K**
20 - 40mm	4	2.60kg	**-2530K**

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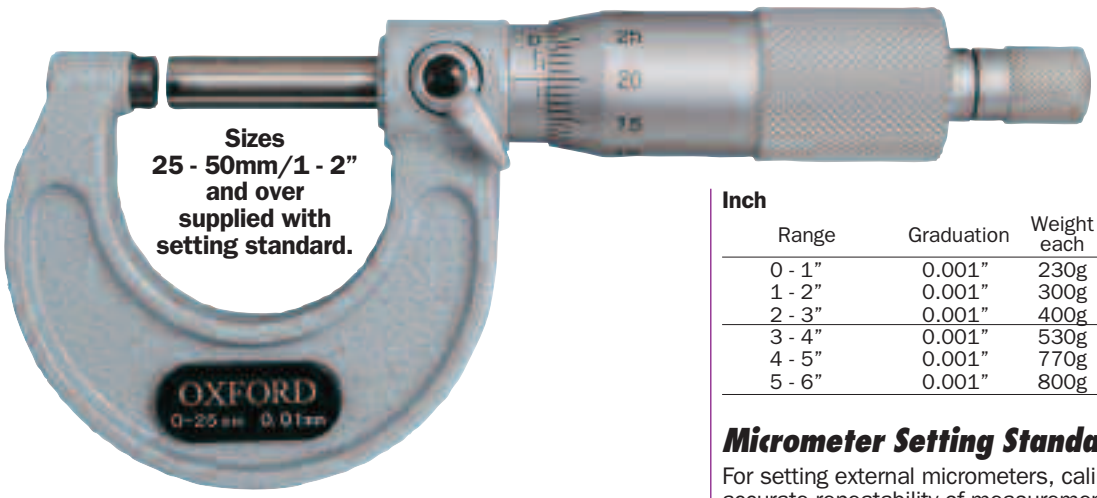
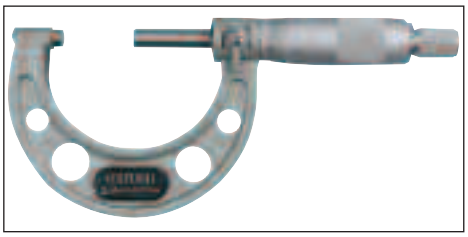
OXFORD PRECISION *Enamelled Frame External Micrometers*

With enamelled frame and tungsten carbide tipped anvils. High quality fitted metal case with adjusting spanner. Sizes 25 - 50mm/1 - 2" and over supplied with setting standard. Manufactured to **BS 870**.
All supplied in a impact resistant fitted plastic case.







Metric

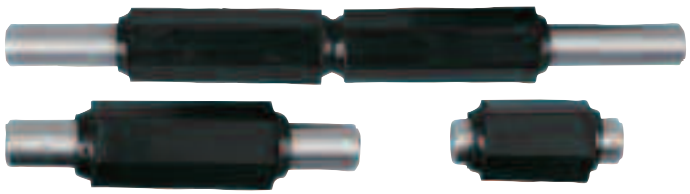
Range	Graduation	Weight each	Order Code OXD-335
0 - 25mm	0.01mm	230g	**-5010K**
25 - 50mm	0.01mm	300g	**-5020K**
50 - 75mm	0.01mm	400g	**-5030K**
75 - 100mm	0.01mm	530g	**-5040K**
100 - 125mm	0.01mm	770g	**-5050K**
125 - 150mm	0.01mm	800g	**-5060K**
150 - 175mm	0.01mm		**-5070K**
175 - 200mm	0.01mm		**-5080K**
200 - 225mm	0.01mm		**-5090K**
225 - 250mm	0.01mm		**-5100K**
250 - 275mm	0.01mm		**-5110K**
275 - 300mm	0.01mm		**-5120K**

Inch

Range	Graduation	Weight each	Order Code OXD-335	
0 - 1"	0.001"	230g	**-6010K**	**N/A**
1 - 2"	0.001"	300g	**-6020K**	**N/A**
2 - 3"	0.001"	400g	**-6030K**	**N/A**
3 - 4"	0.001"	530g	**-6040K**	**N/A**
4 - 5"	0.001"	770g	**-6050K**	**N/A**
5 - 6"	0.001"	800g	**-6060K**	**N/A**

Micrometer Setting Standards

For setting external micrometers, calipers etc. to zero, providing accurate repeatability of measurements. Flat, lapped measuring ends with fitted heat insulation block.
Manufactured to **BS 870**.

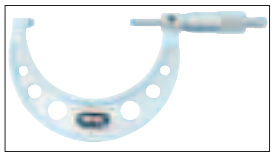


Size	Weight each	Order Code OXD-335	Size	Weight each	Order Code OXD-335	
25mm	10g	**-7010K**	1"	10g	**-7110K**	**N/A**
50mm	10g	**-7020K**	2"	10g	**-7120K**	**N/A**
75mm	20g	**-7030K**	3"	20g	**-7130K**	**N/A**
100mm	30g	**-7040K**	4"	30g	**-7140K**	**N/A**
125mm	40g	**-7050K**	5"	40g	**-7150K**	**N/A**
150mm	62g	**-7060K**	-	-	-	
175mm	76g	**-7065K**	-	-	-	
200mm	86g	**-7070K**	-	-	-	
225mm	95g	**-7075K**	-	-	-	
250mm	105g	**-7080K**	-	-	-	
275mm	115g	**-7085K**	-	-	-	
300mm	268g	**-7090K**	-	-	-	

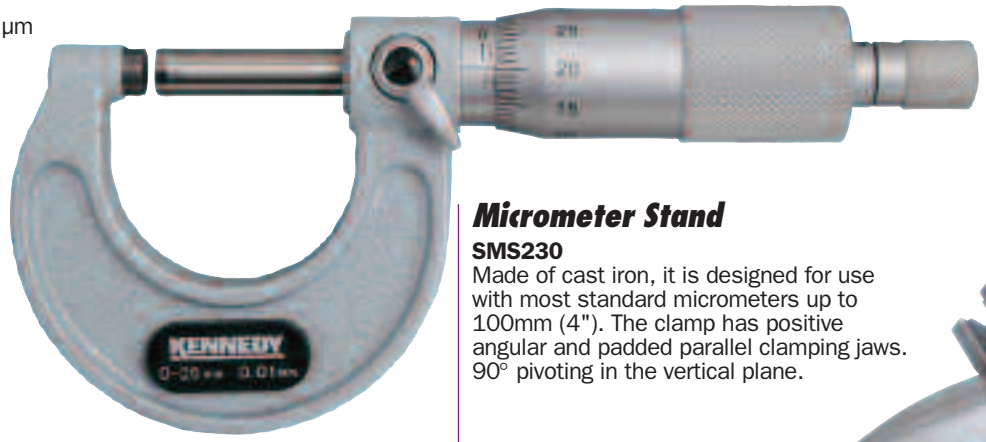
KENNEDY QUALITY INDUSTRIAL TOOLING *Enamelled Frame External Micrometers*

Enamelled frame and tungsten carbide tipped anvils.
Manufactured to **BS 870**.

Accuracy:
Flatness: 0.6mm.
Parallelism: (2 + L/100) µm (fraction rounded down).
Instrumental error:
±(1 + L/75) µm
(fraction rounded up).
L = maximum measuring length.







Metric

Range	Graduation	Weight each	Order Code KEN-335
0 - 25mm	0.01mm	230g	**-0010K**
25 - 50mm	0.01mm	300g	**-0020K**
50 - 75mm	0.01mm	400g	**-0030K**
75 - 100mm	0.01mm	530g	**-0040K**
100 - 125mm	0.01mm	770g	**-0050K**
125 - 150mm	0.01mm	800g	**-0060K**

Micrometer Stand

SMS230
Made of cast iron, it is designed for use with most standard micrometers up to 100mm (4"). The clamp has positive angular and padded parallel clamping jaws. 90° pivoting in the vertical plane.



Product Number	Weight each	Order Code KEN-335
SMS230	980g	**-7230M**

PRECISION EQUIPMENT

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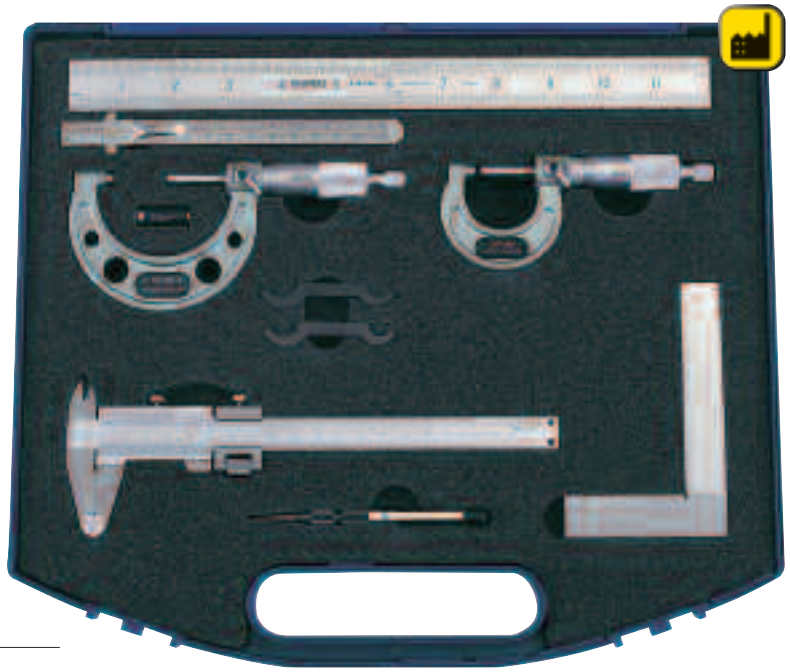
EXTERNAL MICROMETERS

OXFORD PRECISION *Precision Tool Set*

Multi-purpose precision set supplied in plastic fitted bench case.

Contents:
0 - 25mm and 25 - 50mm external micrometer,
25mm setting standard, two micrometer setting spanners, 125mm/5” vernier caliper,
150mm/6” rule with pocket clip,
300mm/12” engineers rule,
100mm engineers square, pocket scriber with clip.





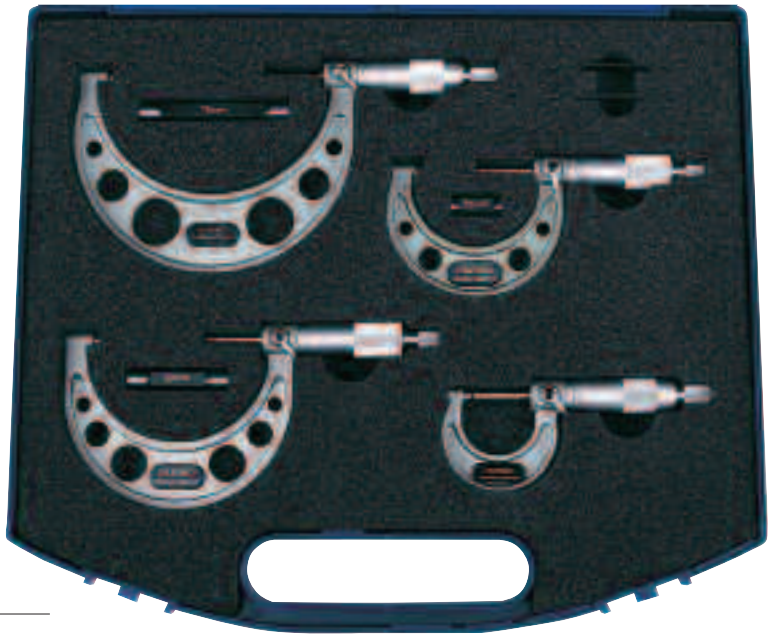
Description	Weight each	Order Code OXD-335
10 Piece Precision Set	150g	**-9000K**

External Micrometer Sets

With enamelled frame and tungsten carbide tipped anvils and fine adjustment ratchet. Supplied in plastic fitted bench case.

-5500K
0 - 25mm, 25 - 50mm, 50 - 75mm and 75 - 100mm external micrometers, 25mm, 50mm and 75mm micrometer setting standards, two micrometer setting spanners.

-6600K
0 - 1”, 1 - 2”, 2 - 3” and 3 - 4” external micrometers,
1”, 2” and 3” micrometer setting standards,
two micrometer setting spanners.



Range	Graduation	Weight each	Order Code OXD-335	
0 - 100mm	0.01mm	1.90kg	**-5500K**	
0 - 4”	0.0001”	1.90kg	**-6600K**	**N/A**

Apprentice Engineer’s Tool Set

Contents
150mm (6”) Engineer’s rule,
0 - 25 and 25 - 50mm micrometers,
25mm setting standard,
10x magnification eye loupe,
150 (6”) digital caliper,
0.5 - 1.0mm 20 blade feeler gauge,
51 metric 60° screw pitch gauge, pocket scriber.
Technical data handbook.



Description	Weight each	Order Code OXD-335
10 Pce Engineers Tool Set		**-9200K**

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OXFORD PRECISION *Interchangeable Anvil Micrometers*

Carbide tipped spindle faces. Hardened and ground anvils. Supplied in metal case with adjusting spanner.
Four anvils and three setting standards.

Accuracy: ±(4+L/75)mm.
Measuring faces flatness: ±0.6mm.
Parallelism: (2+L/100)mm.

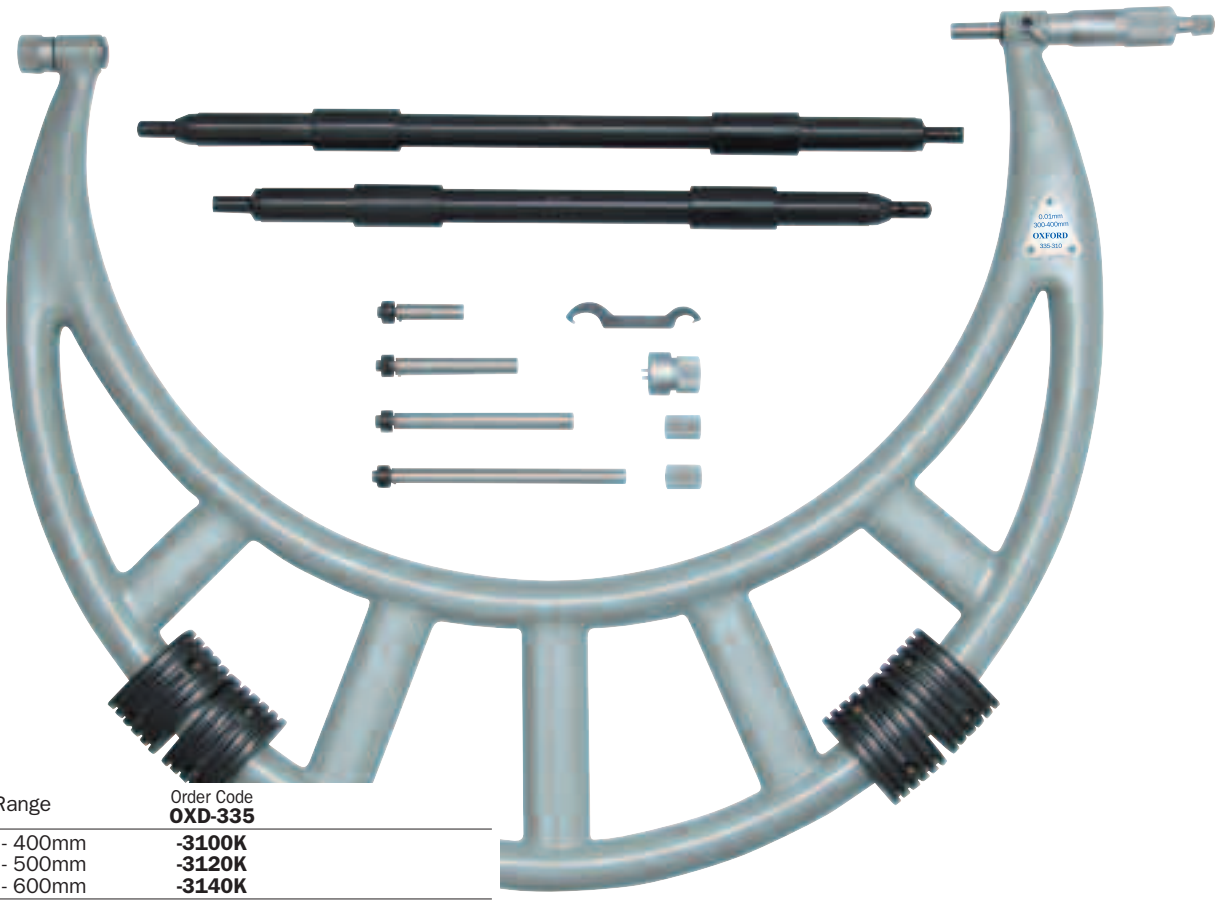


Range	Graduation	Weight each	Order Code **OXD-335**
0 - 100mm	0.01mm	850g	**-3000K**

Range	Graduation	Weight each	Order Code **OXD-335**
0 - 150mm	0.01mm	990g	**-3020K**

Interchangeable Anvil Micrometers

Oxford's versatile range of micrometers with interchangeable anvils, ratchet top, lock, setting standards and wooden case. Rigid and stable cast iron frame that is perforated for lightness.



Product Number	Range	Order Code **OXD-335**
2425-0400	300 - 400mm	**-3100K**
2425-0500	400 - 500mm	**-3120K**
2425-0600	500 - 600mm	**-3140K**

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OXFORD PRECISION Mechanical Digital Micrometer - 0 - 25mm

Direct reading external micrometer for quick and easy reading. With enamelled frame and tungsten carbide precision ground micro finish measuring faces.

Measuring range: 0 - 25mm.
Graduation: 0.01mm,
0.5mm screw pitch with lock.

Supplied in a robust case with setting key, with fitted heat shield on frame.



Range	Graduation	Order Code OXD-335
0 - 25mm	0.01	**-4100K**

30° Anvil Micrometers

Used for measuring within small grooves or recesses and for quick comparisons of thread accuracy in screw cutting operations. With knurled thimble, ratchet stop and thumb lock. Enamelled frame with satin chromed finish barrel and sleeve.

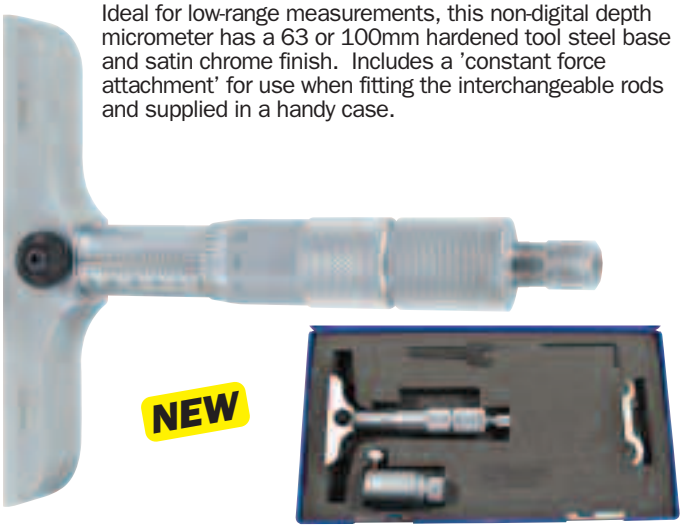


Range	Graduation	Weight each	Order Code OXD-335
0 - 25mm	0.01mm	250g	**-3520K**

Fixed Rod Depth Micrometers

Ideal for low-range measurements, this non-digital depth micrometer has a 63 or 100mm hardened tool steel base and satin chrome finish. Includes a 'constant force attachment' for use when fitting the interchangeable rods and supplied in a handy case.

NEW



Accuracy	Range	Base Size	Order Code OXD-335
4 µm (microns)	0 - 25mm	63mm	**-3310K**
4 µm (microns)	0 - 25mm	100mm	**-3330K**

Wire Micrometer

Specially designed for measuring wire diameters 0 - 10mm. The front of the body is flat to help support the wire when measuring. With knurled thimble, ratchet stop and vernier scale barrel, all over satin chrome finish.



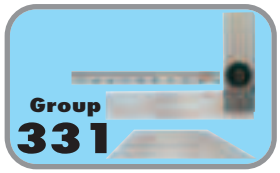
Capacity	Graduation	Weight each	Order Code OXD-335
0 - 10mm	0.002mm	150g	**-2000K**

Micrometer Head

Spherical Face



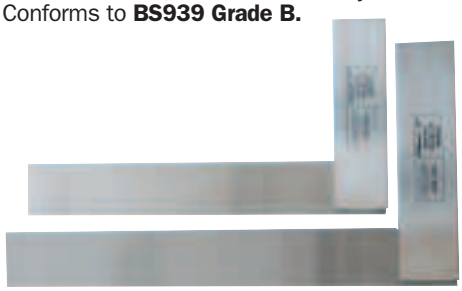
Spindle diameter: 5mm.
Spindle housing diameter: 9.5mm.
Main body diameter: 14mm.
Accuracy: 0.004mm.
Range: 0 - 13mm.
Graduation: 0.01mm.



Range	Graduation	Order Code OXD-335
0 - 13mm	0.01mm	**-8200K**

Precision Hand Tools

Manufactured from hardened steel that has been precisely ground to produce parallel edges so that the square has an exact right angle on both the inside and outside of the stock and blade, to ensure accuracy. Conforms to **BS939 Grade B.**



Size (mm)	Tolerance (mm)	Order Code OXD-340
75 (3")		**-0030K**
100 (4")	+/- 0.016	**-0040K**
150 (6")		**-0060K**
225 (9")		**-0090K**
300 (12")	+/- 0.024	**-0120K**

KENNEDY QUALITY INDUSTRIAL TOOLING Screw Plug Gauges

Double-Ended Go & No Go



Thread Size	Weight each	Order Code KEN-360
Metric Coarse – Class 6H Tolerance		
M2.0 x 0.40	4g	**-0810K**
M2.5 x 0.45	4g	**-0830K**
M3.0 x 0.50	4g	**-0840K**
M4.0 x 0.70	10g	**-0860K**
M5.0 x 0.80	12g	**-0880K**
M6.0 x 1.00	14g	**-0890K**
M7.0 x 1.00	26g	**-0900K**
M8.0 x 1.25	28g	**-0910K**
M9.0 x 1.25	28g	**-0920K**
M10.0 x 1.50	52g	**-0930K**
M12.0 x 1.75	70g	**-0950K**
M14.0 x 2.00	108g	**-0960K**
M16.0 x 2.00	128g	**-0970K**
M18.0 x 2.50	132g	**-0980K**
M20.0 x 2.50	148g	**-0990K**
M24.0 x 3.00	272g	**-1010K**
M30.0 x 3.50	484g	**-1030K**
M36.0 x 4.00	622g	**-1050K**

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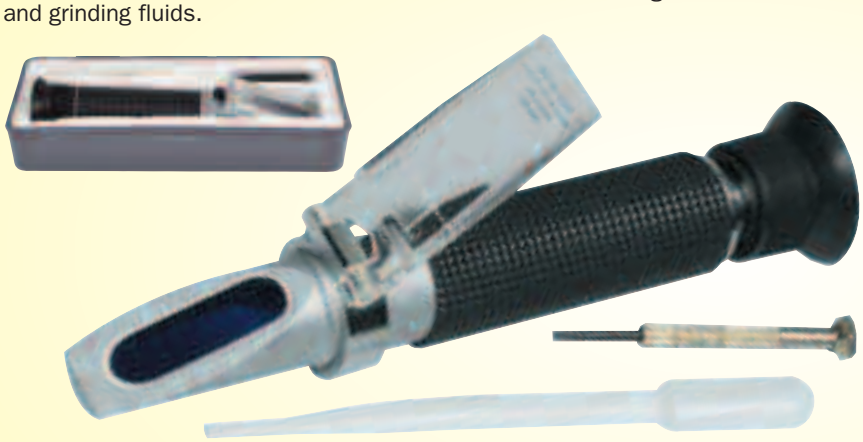
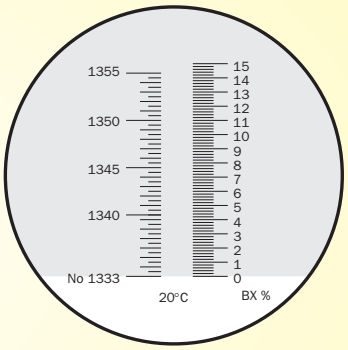
OXFORD PRECISION — Portable Optical Refractometer

For determining the concentration of oil in water emulsions and transparent solutions, such as machine shop coolant.
Maintaining the correct mixture in coolant systems is vital to ensure optimum performance from cutting tools.
To protect the machine and workpiece from corrosion and to reduce the risk of health hazards arising from incorrect concentrations of water soluble oils. To economise the use of water base cutting fluids and grinding fluids.





Lens for Portable Refractometer



Calibrated Refractive Scale

Specifications:
Range ND: 1.333 - 1.356. Bx: 0 - 15%.
Eyepiece magnification: 11x.
Telescopic lens magnification: 4x.
Accuracy: ±0.0003 ±0.2%
Lattic value: 0.0005 0.2%

Supplied in a plastic case complete with calibration screwdriver and operator manual.

Refractometer

Dimensions	Weight each	Order Code OXD-336
38 x 38 x 185mm	30g	-1010K

Spares

Description	Weight each	Order Code OXD-398
Lens for Portable Refractometer	10g	-3630K

KENNEDY — Steel Gauge Block Sets

Supplied in high quality wooden bench cases, complete with certificate of calibration. Available in two grades.
Manufactured to **BS EN ISO 3650.** Complete with **UKAS** Certificate of Calibration.

Grade 2: For Workshop Use

Number of Pieces	Range (inclusive)	Increments	Weight each	Order Code KEN-338	
		36 Piece Inch			
(2)	.05"-.10"	.05"	2.4kg	-3360K	N/A
(9)	.1001-.1009"	.0001"			
(9)	.101-.109"	.001"			
(9)	.110-.190"	.010"			
(4)	.2-.5"	.10"			
(3)	1, 2 & 4"				
		81 Piece Inch			
(9)	.1001-.1009"	.0001"	4.0kg	-3810K	N/A
(49)	.101-.149"	.001"			
(19)	.05-.95"	.05"			
(4)	1-4"	1"			
		47 Piece Metric			
(1)	1.005mm		2.1kg	-4470K	
(9)	1.01-1.09mm	.01mm			
(9)	1.1-1.9mm	.1mm			
(24)	1-24mm	1mm			
(4)	25-100mm	25mm			
		88 Piece Metric			
(1)	1.0005mm		2.8kg	-4880K	
(9)	1.001 -1.009mm	.001mm			
(49)	1.01-1.49mm	.01mm			
(20)	.5-10mm	.5mm			
(9)	20-100mm	10mm			

Grade 1: For Inspection Use

Number of Pieces	Range (inclusive)	Increments	Weight each	Order Code KEN-339	
		81 Piece Inch			
(9)	.1001-.1009"	.0001"	4.0kg	-4810K	N/A
(49)	.101-.149"	.001"			
(19)	.05-.95"	.05"			
(4)	1-4"	1"			
		47 Piece Metric			
(1)	1.005mm		2.4kg	-5470K	
(9)	1.01-1.09mm	.01mm			
(9)	1.1-1.9mm	.10mm			
(24)	1-24mm	1mm			
(4)	25-100mm	25mm			
		88 Piece Metric			
(1)	1.0005		2.8kg	-5880K	
(9)	1.001-1.009mm	.001mm			
(49)	1.01-1.49mm	.01mm			
(20)	.5-10mm	.5mm			
(9)	20-100mm	10mm			





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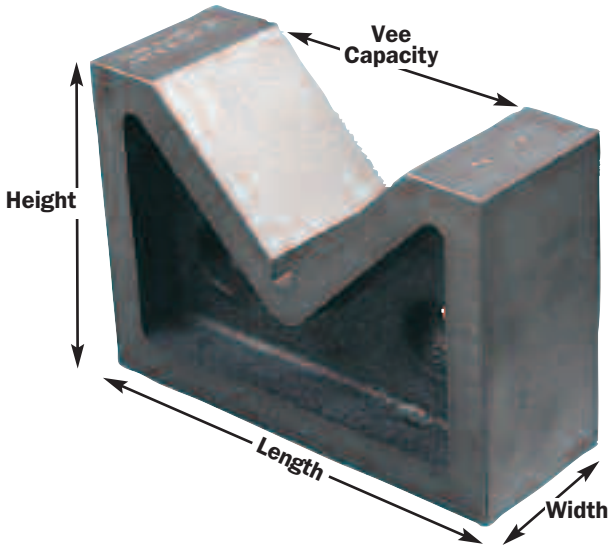
STEEL VEE BLOCKS, SQUARES & SURFACE PLATES

OXFORD PRECISION Vee Blocks

Matched and numbered pairs of closed grained iron castings accurately machined. Precision 90° vee blocks. Supplied as a pair.





Dimensions L x W x H	Vee Capacity	Weight/ Pair	Order Code **OXD-370**
75 x 33 x 60mm	45	1.7kg	**-2110K**
100 x 40 x 65mm	56	2.9kg	**-2120K**
125 x 50 x 78mm	62	4.8kg	**-2130K**
150 x 62 x 88mm	78	6.5kg	**-2140K**
200 x 100x 140mm	113	11.2kg	**-2150K**
250 x 125 x 165mm	125	19.0kg	**-2160K**

Workshop Vee Blocks & Clamp

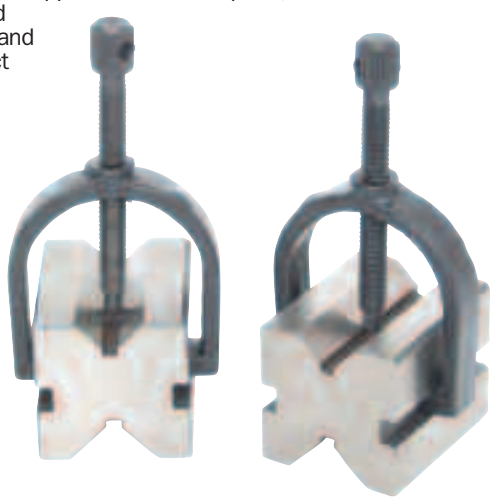
Designed for checking precision machine parts. Hardened and precision ground steel supplied in matched pairs, each with V-grooves central and parallel to the sides and base ensuring perfect alignment.
Complete set with two V-blocks (one pair) and two clamps.



Dimensions Length x Width x Height	Weight/ Pair	Order Code **OXD-370**
50 x 37 x 37mm	1.0kg	**-2300K**

Workshop Grade Hollow Ground Vee Blocks & Clamp

Designed for checking precision machine parts. Hardened and precision ground steel supplied in matched pairs, each with V-grooves central and parallel to the sides and base ensuring perfect alignment. Complete set with two V-blocks (one pair) and two clamps.
Supplied with malleable iron clamps with steel screws.



Dimensions Length x Width x Height	Weight/ Pair	Order Code **OXD-370**
31.5 x 40 x 31.5mm	1.7kg	**-2310K**

Angle Plates

Open End

Open end angle plates are versatile accessories which can be used to clamp and hold work in a vertical position for planing, milling, or drilling.
Work can be clamped and rotated through several planes for measurement or machining without repositioning.
The slots allow work to be easily fastened to the plate, and the plate to a fixture base or machine bed.
Manufactured from close grained cast iron.
BS : 5535 Grade B.



Dimensions Length x Width x Height	Weight each	Order Code **OXD-370**
12½" x 10" x 8"	27kg	**-1370K**

Webbed End

Webbed slotted angle plates can be used for rapid mounting fixtures for machine set-up, layout, or inspection. They are heavily ribbed for strength and rigidity.
Sides and ends are machine finished. Manufactured from close grained cast iron.
BS : 5535 Grade B.



Dimensions Length x Width x Height	Weight each	Order Code **OXD-370**
3½" x 3" x 2½"	1.4kg	**-1100K**
12½" x 10" x 8"	26.5kg	**-1170K**

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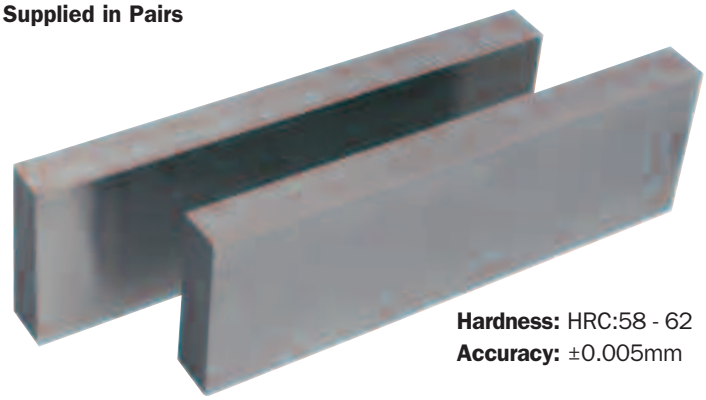
OXFORD PRECISION Steel Parallels

Hardened and ground steel parallels for workshop use. Supplied in pairs for packing or levelling components prior to machining in tool rooms or machine shops.

Supplied in Pairs



Hardness: HRC:58 - 62
Accuracy: ±0.005mm

Dimensions Length x Width x Height	Order Code OXD-372
8 x 15 x 100mm	**-4080K**
10 x 4 x 160mm	**-3700K**
10 x 20 x 100mm	**-4100K**
12 x 20 x 100mm	**-4120K**
14 x 10 x 150mm	**-3800K**
14 x 4 x 160mm	**-3710K**
16 x 10 x 150mm	**-3810K**
16 x 25 x 150mm	**-4160K**
18 x 4 x 160mm	**-3720K**
18 x 10 x 150mm	**-3820K**
20 x 10 x 150mm	**-3830K**
20 x 30 x 200mm	**-4200L**
22 x 4 x 160mm	**-3730K**
22 x 10 x 150mm	**-3840K**
24 x 10 x 150mm	**-3850K**
25 x 40 x 250mm	**-4250K**
26 x 4 x 160mm	**-3740K**
26 x 10 x 150mm	**-3860K**
28 x 10 x 150mm	**-3870K**
30 x 4 x 160mm	**-3750K**
30 x 10 x 150mm	**-3880K**
32 x 10 x 150mm	**-3890K**
34 x 4 x 160mm	**-3760K**
35 x 10 x 150mm	**-3900K**
38 x 4 x 160mm	**-3770K**
40 x 10 x 150mm	**-3910K**
42 x 4 x 160mm	**-3780K**
45 x 10 x 150mm	**-3920K**
50 x 10 x 150mm	**-3930K**

18 Piece Set

Contents: nine pairs of the following sizes:

10 x 4 x 160mm,
14 x 4 x 160mm,
18 x 4 x 160mm,
22 x 4 x 160mm,
26 x 4 x 160mm,
30 x 4 x 160mm,
34 x 4 x 160mm,
38 x 4 x 160mm,
42 x 4 x 160mm.

Supplied in wooden storage box.



18 PIECES

Description	Weight each	Order Code OXD-372
18 Piece Set	2.8kg	**-3620K**

16 Piece Set

Contents: eight pairs of the following sizes:

5 x 16 x 100mm, 6 x 18 x 100mm, 8 x 24 x 100mm,
10 x 30 x 100mm, 12 x 36 x 150mm, 14 x 48 x 150mm,
18 x 60 x 150mm, 22 x 62 x 150mm. And support blocks.



16 PIECES

Description	Weight each	Order Code OXD-372
16 Piece Set	12.7kg	**-3600K**

28 Piece Set

Contents: fourteen pairs of the following sizes:

14 x 10 x 150mm, 16 x 10 x 150mm, 18 x 10 x 150mm,
20 x 10 x 150mm, 22 x 10 x 150mm, 24 x 10 x 150mm,
26 x 10 x 150mm, 28 x 10 x 150mm, 30 x 10 x 150mm,
32 x 10 x 150mm, 35 x 10 x 150mm, 40 x 10 x 150mm,
45 x 10 x 150mm, 50 x 10 x 150mm.

Supplied in wooden storage box.



28 PIECES

Description	Weight each	Order Code OXD-372
28 Piece Set	11.5kg	**-3640K**

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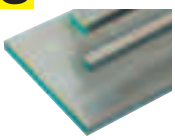
GROUP 413 GROUND FLAT STOCK

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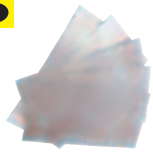
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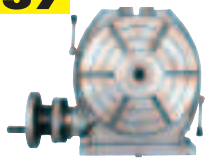
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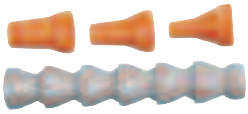
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GROUP 450 KNURLING TOOLS

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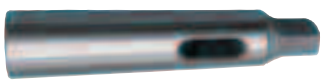
GROUP 482 MORSE TAPER SLEEVES

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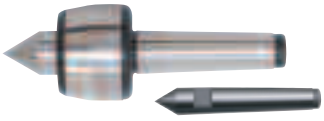
GROUP 488 REVOLVING & SOLID CENTRES

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GROUP 495 WHEEL DRESSERS

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WORKSHOP EQUIPMENT

Product Groups 400 - 495

Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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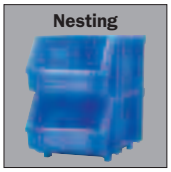
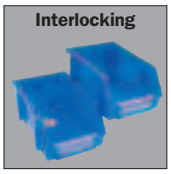
MATLOCK Plastic Storage Bins

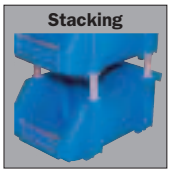
Manufactured from high strength polypropylene. Fit on standard louvre panel, interlocking design. Supplied with risers and label holders.







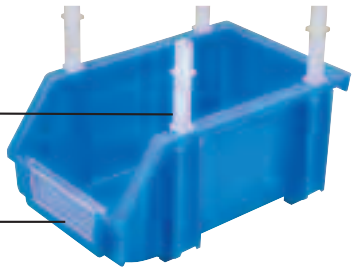




Size	Dimensions L x W x H (mm)	Order Code MTL-404 Blue	Green	Red	Yellow	Box Qty
No.0	130 x 85 x 53	-1000B	-1000G	-1000R	-1000Y	300
No.1	163 x 104 x 80	-1010B	-1010G	-1010R	-1010Y	100
No.2	237 x 157 x 132	-1020B	-1020G	-1020R	-1020Y	64
No.3	278 x 222 x 165	-1030B	-1030G	-1030R	-1030Y	24
No.3A	350 x 280 x 184	-1035B	-1035G	-1035R	-1035Y	8
No.4	425 x 280 x 184	-1040B	-1040G	-1040R	-1040Y	12
No.5	425 x 280 x 260	-1050B	-1050G	-1050R	-1050Y	8

Storage Bin Accessories

For Matlock storage bins.



Description	Order Code MTL-404
Set of 4 Riser Rods	-9010K
Single Riser rod for No.3A, 4 & 5 Bins	-9020K
Label Holder For No.0 Bins	-3500K
Label Holder For No.1 Bins	-3510K
Label Holder For No.2 Bins	-3520K
Label Holder For No.3 & 4 Bins	-3530K
Label Holder For No.3A & 5 Bins	-3540K

Heavy Duty Plastic Storage Bins

Ergonomic packing - storing one container inside another exceptionally improves the logistics of packing. Slat attachments - can be attached with screws to a wall. Module - special clasps make it possible to create a wall of module boxes. Space for a label.



NEW



Dimensions W x L x H (mm)	Order Code MTL-404 Blue	Order Code MTL-404 Green	Order Code MTL-404 Yellow	Order Code MTL-404 Red
116 x 112 x 75	-2130K	-2140K	-2160K	-2150K
116 x 161 x 75	-2170K	-2180K	-2200K	-2190K
116 x 212 x 75	-2210K	-2220K	-2240K	-2230K
170 x 240 x 126	-2250K	-2260K	-2280K	-2270K
204 x 340 x 155	-2290K	-2300K	-2320K	-2310K
330 x 500 x 187	-2330K	-2340K	-2360K	-2350K

Heavy Duty Bin/Rack Sets

Each set comes with a fixing wall, a useful, wide plate which attaches to the wall with screws and can fit several containers of different sizes. Mounting of the boxes is based on an overlap system. It enables firm and stable fastening to the fixing wall, and quick removal when needed.

NEW

10 Piece Set
Contains 1 fixing wall, 3 blue bins, 3 black bins and 3 red bins.

20 Piece Set
Contains 2 fixing walls, 6 blue bins, 6 black bins and 6 red bins.





10 PIECES

20 PIECES

Item	Overall Size (mm)	Order Code MTL-404
10 Piece Set	345 x 385 x 90	-2110K
20 Piece Set	345 x 385 x 160	-2120K

SENATOR QUALITY TOOLING Plastic Storage Bins

High strength polypropylene storage bins with label holders, designed for component or part storage. Bins can stand alone, be nested on top of each other or hung on louvred panels, allowing you to create the storage system to satisfy your specific requirements. Available in three sizes and four different colours blue, green, yellow and red.



Sen1 Sen2

Product Number	Size (L x W x H) (mm)	Pack Qty	Order Code SEN-404 Blue	Green	Yellow	Red
Sen1	165 x 110 x 75	35	-1010B	-1010G	-1010Y	-1010R
Sen2	240 x 155 x 125	35	-1020B	-1020G	-1020Y	-1020R
Sen3A	350 x 220 x 165	10	-1040B	-1040G	-1040Y	-1040R

AVON Cardboard Storage Bins

For easy identification and storage of parts and other components on shelves. Manufactured from corrugated card with writable panels. Supplied flat in packs of 50.

Contents not included



PACK OF 50

Size L x W x H (mm)	Pack Qty	Order Code AVN-404
152 x 76 x 115 (6" x 3" x 4.5")	50	-2010A
228 x 100 x 115 (9" x 4" x 4.5")		-2011B
228 x 152 x 115 (9" x 6" x 4.5")		-2012C
228 x 204 x 115 (9" x 8" x 4.5")		-2013D
304 x 100 x 115 (12" x 4" x 4.5")		-2014E

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MATLOCK Mobile Trolleys/Racks

Similar to a free standing rack but mobile. Fitted with four 5" castors to the base which supports double sided louvre panels. Available in one height and two widths.

Colour: dark grey/light grey.



Storage Bins Not Included

Description	Size (H x W)	Order Code MTL-405
Mobile Louvre Rack	1080 x 457	-7410K
	1080 x 877	-7420K

Free Standing Racks

Available in two heights and two widths. Made from 16swg channel section which supports louvre panels either single or double sided.

Colour: dark grey/light grey.



Storage Bins Not Included

Size (H x W)	Order Code MTL-405
Double Sided Free Standing Louvre Rack	
924 x 457	-7610K
924 x 871	-7615K
1838 x 457	-7620K
1838 x 871	-7625K
Single Sided Free Standing Louvre Rack	
924 x 457	-7650K
924 x 871	-7655K
1838 x 457	-7660K
1838 x 871	-7665K

Steel Louvred Panels

Pressed steel panels with high frequency louvres that will accept most makes of plastic storage bin. High frequency louvres allow bins to be hung in a high-density configuration in any mix of sizes/colours. The lip on the rear of the plastic storage bin sits securely over the louvre of the panel. The modular design allows storage bins to be easily removed and replaced when required.



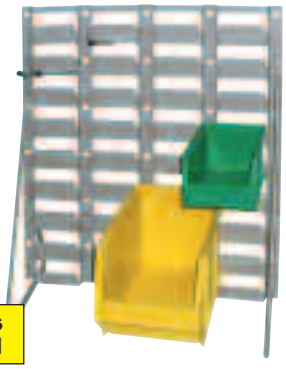
Storage Bins Not Included

Type	Width x Height (mm)	Order Code MTL-404
LP450	450 x 450	-2004P
LP900	450 x 900	-2009P
LP1600	450 x 1600	-2016P
LP1800	450 x 1800	-2018P

Bench Assembly Units

A free standing unit supporting a louvre Panel for use on benches or tables. Available in one height and two widths. Kit comprises: louvre panel, support rods and fixings.

Colour: light grey.



Storage Bins Not Included

Description	Size (H x W)	Order Code MTL-405
Bench Louvre Rack	457 x 436	-7250K
	457 x 852	-7260K

Euro Containers

Practical Euro boxes, ideal for use wherever hygienic stackable plastic containers play an important role in transport and storage. Resistant to acids and alkaline solutions, cold and heat. Optimal handling due to ergonomic handles. Suitable for conveyor systems.

Available in five sizes:
400 x 300 x 170mm,
400 x 300 x 220mm,
600 x 400 x 170mm,
600 x 400 x 220mm,
600 x 400 x 320mm.

Lids supplied separately



NEW

Size (L x W x H)	Order Code MTL-404
400 x 300 x 170	-4210K
400 x 300 x 220	-4212K
600 x 400 x 170	-4234K
600 x 400 x 220	-4236K
600 x 400 x 320	-4240K

Lids to suit foldable boxes and euro containers

Size (L x W)	Order Code MTL-404
400 x 300mm	-4400K
600 x 400mm	-4402K

Euro Foldable Boxes

Foldable storage boxes made from tough grey polypropylene. Compatible in size with the Euro containers (use the same lids) and can be stacked with or without lids. Simple to collapse for space saving storage when not in use.

NEW

Lid supplied separately see above right



Size (H x W x D)	Order Code MTL-404
600 x 400 x 320mm	-4330K

Euro Nesting Bins with Integral Lids

High strength polypropylene Euro boxes with reinforced corners and rims and integral interlocking hinged lids. Smooth flat base allows silent movement on conveyors making them suitable for use in distribution centres or warehouse storage. All containers feature ergonomic hand grips and can be sealed using security tags.

Available in 20, 40 or 54ltr capacities.



Capacity	Size (L x W x H)	Order Code MTL-404
Colour: Blue		
20ltr	400 x 300 x 260mm	-2500K
40ltr	600 x 400 x 250mm	-2520K
54ltr	600 x 400 x 335mm	-2530K
Colour: Grey		
20ltr	400 x 300 x 260mm	-2600K
40ltr	600 x 400 x 250mm	-2620K
54ltr	600 x 400 x 335mm	-2630K

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MATLOCK Standard Duty Racking

5 Shelves
This racking system has uprights and beams made of medium gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking with no nuts and bolts to worry about. The shelves are easily adjustable and can take up to 150kg UDL (uniformly distributed load) with the rack being fixed to a wall.
Supplied with wooden shelves.



SELF ASSEMBLY Tools Required

Shelf Capacity 100kg Uniformly Distributed Load

Dimensions (W x D x H) mm	Max. Shelf Capacity	Number of Shelves	Order Code MTL-405
1010 x 400 x 1830	150kg	5	**-1760K**
Shelf to suit MTL-405-1760K			**-8670K**

Heavy Duty Racking

4 Shelves
This racking system can be assembled in five ways and has uprights and beams made of heavy gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking with just two nuts and bolts joining one upright frame to the next.
The 430mm deep shelves are easily adjustable and can take up to 455kg UDL (uniformly distributed load) with the rack being fixed to a wall.



SELF ASSEMBLY Tools Required

Shelf Capacity 455kg Uniformly Distributed Load

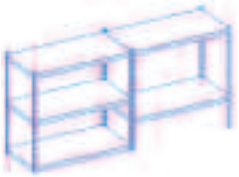
Dimensions (W x D x H) mm	Max. Shelf Capacity	Number of Shelves	Order Code MTL-405
1040 x 430 x 1830	455kg	4	**-1660K**
Shelf to suit MTL-405-1660K			**-8610K**

Heavy Duty Racking

5 Shelves
This racking system has two ways of assembly with uprights and beams made of heavy gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking 'keyhole' slots, no nuts and bolts. The shelves are easily adjustable and can take up to 318kg UDL (uniformly distributed load) with the rack being fixed to a wall.
Supplied with wooden shelves.



Assembly options

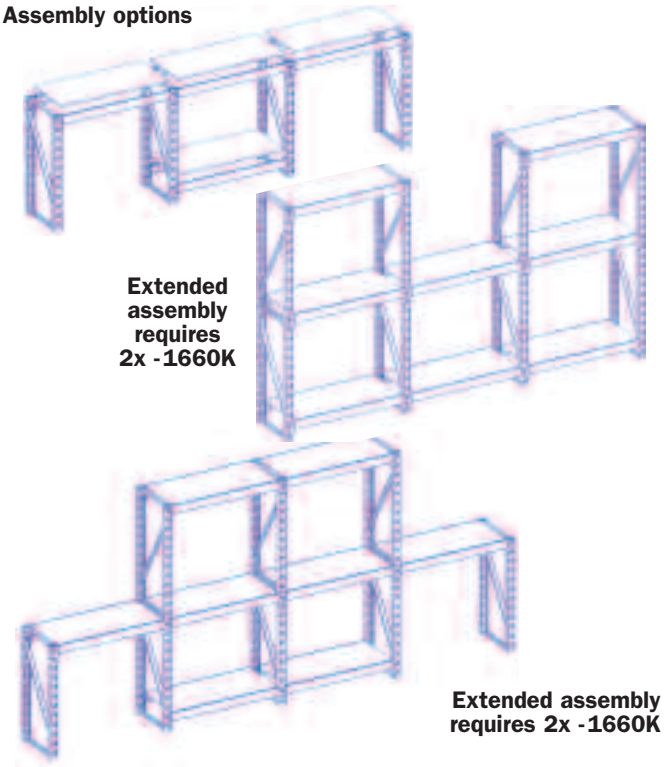


SELF ASSEMBLY Tools Required

Shelf Capacity 318kg Uniformly Distributed Load

Dimensions (W x D x H) mm	Max. Shelf Capacity	Number of Shelves	Order Code MTL-405
915 x 460 x 1830	318kg	5	**-1740K**
1230 x 610 x 1830	318kg	5	**-1780K**
Shelf to suit MTL-405-1740K			**-8640K**
Shelf to suit MTL-405-1780K			**-8700K**

Assembly options

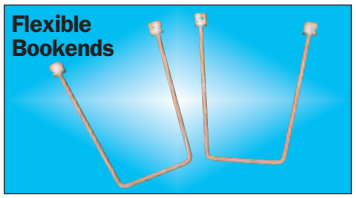


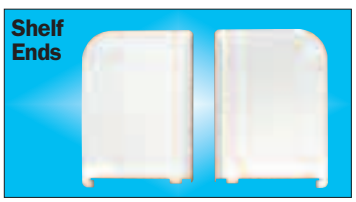
Twin-Lock Shelving

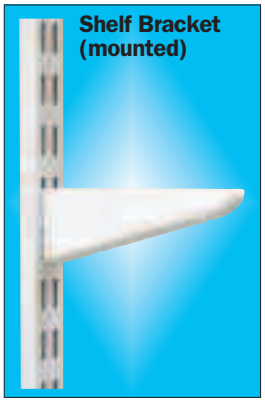
NEW

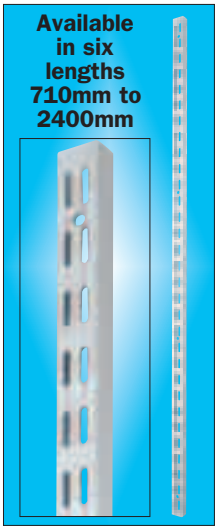
Twin-Lock shelving provides an excellent adjustable storage system that is both robust and versatilite.
Offering a range of ***'Spur compatible'*** components including uprights, brackets and bookends.
Easy hang, double-sided system with hygienic Protecta-cote antimicrobial powder coating.

Size (mm)	Type	Order Code MTL-405
200	Left Hand Shelf End	**-1800K**
200	Right Hand Shelf End	**-1810K**
150	Flexible Bookends (Pairs)	**-1820K**
200		**-1830K**
250		**-1840K**
710	Uprights (Singles)	**-1850K**
1000		**-1860K**
1220		**-1870K**
1600		**-1880K**
1980		**-1890K**
2400		**-1900K**
120	Shelf Bracket (Singles)	**-1910K**
170		**-1920K**
270		**-1930K**
370		**-1940K**
320		**-1950K**









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KENNEDY Portable Bench & Vice

Rapid clamping. Full graduated working surface with channelled chuck block guides. Includes four adjustable chuck blocks and 4 profile blocks. Aluminium mitre guides and lower support arm to assist power tool use. Rapid fold/unfold with quick lock and release action, compact and easy to store.



Rapid clamping



Rapid fold/unfold with auto lock



Lower support arm



Aluminium mitre guide



Mitre clamping



Description	Order Code KEN-405
4 in 1 portable workbench	-4600K

Spare Parts

Description	Order Code KEN-405
Spare clamping block	-4610K
Replacement Rubber Feet (Pk 4)	-4620K

Portable Bench Top Workstation

Includes two trays to store tools & small parts. Full graduated working surface with channelled chuck block guides. Includes four adjustable chuck blocks and profile adaptor blocks. Mounting holes in the feet of the workstation allow it to be fitted to a workbench if required. Compact, portable with carry handle and easy to store.



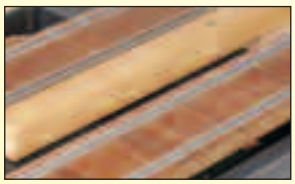
Storage trays



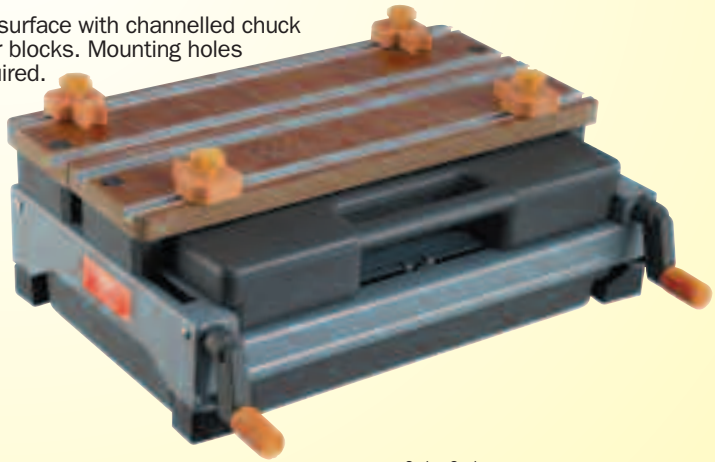
Mitre clamping



Compact, portable and easy to store



Fully graduated working surface



Description	Order Code KEN-405
4 in 1 Portable Workbench	-4700K
Spare Parts	
Spare Clamping Block	-4610K
Spare Clamping Handle with Sleeve	-4720K

SENATOR QUALITY TOOLING Home Improver Workbench & Vice

Medium duty for hobby and DIY use. All steel body. Durable worktop with metric/inch gauging scale and protractor markings. Easy to assemble. Sturdy splay legs with non-slip rubber feet. Four quick-change worktop functions.Supplied with four chuck blocks, assembly spanners and instructions.

Worktop width: 600mm.
Worktop depth (individual): 115mm.
Worktop depth (combined): 230mm.
Overall height: 800mm.
Width (when collapsed for storage): 280mm.
Maximum opening capacity: 140mm.
Maximum clamping capacity (with blocks): 285mm.
Weight capacity: 200kg/440lbs.



Transforms to an upright vice with jaws set at 90°



Transforms to a versatile saw-horse with jaws set at 45°



Transforms to a T-vice



Ideal for clamping pipe and other convex workpieces



Solid hardwood worktop with protractor and rule markings.

Height (mm)	Width (mm)	Order Code SEN-405
800	600	-9650K

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SENATOR QUALITY TOOLING Cabinet with Shelf & Workbench

Manufactured from cold rolled steel plate with a hard wearing corrosion resistant powder coated finish. Hard wearing solid wooden work surface. Two shelves. Adjustable feet.
Supplied with assembly instructions.

Maximum shelf capacity: 20kg.
Maximum cabinet capacity: 150kg.



SELF ASSEMBLY Tools Required

Weight	Order Code SEN-405
25.5kg	-5030K

Locking Cabinet & Workbench

Lockable storage cabinet with two shelves.

Overall dimensions (W x D x H):
838 x 508 x 852mm.
Max shelf capacity: 20kg.
Max cabinet capacity: 150kg.



SELF ASSEMBLY Tools Required

Weight	Order Code SEN-405
27.0kg	-5020K

5 Drawer Cabinet & Workbench

The five drawers have a smooth action sliding mechanism.



SELF ASSEMBLY Tools Required

Weight	Order Code SEN-405
43.0kg	-5010K

Locking Cabinet with Shelf & Workbench

Lockable storage cabinet with two shelves and two open shelves for additional storage.

Overall dimensions (W x D x H):
1372 x 508 x 865mm.
Max shelf/drawer capacity: 25kg.
Max cabinet capacity: 180kg.



Shelf Capacity 25kg Uniformly Distributed Load

SELF ASSEMBLY Tools Required

Dimensions W x D x H (mm)	Weight	Order Code SEN-405
1372 x 508 x 865	48.5kg	-5040K

5 Drawer Cabinet & Shelved Workbench

The five drawers have a smooth action sliding mechanism. Two open shelves for additional storage.

Overall dimensions (W x D x H):
1372 x 508 x 865mm.
Max shelf drawer capacity: 25kg.
Max cabinet capacity: 180kg.



Shelf Capacity 25kg Uniformly Distributed Load

SELF ASSEMBLY Tools Required

Dimensions W x D x H (mm)	Weight	Order Code SEN-405
1372 x 508 x 865	61.0kg	-5050K

KENNEDY QUALITY INDUSTRIAL TOOLING 2 Drawer Workbench

Professional quality two drawer workbench constructed from heavy gauge steel for sturdy long-term use. Ideal for a range of workshop and industrial applications. Drawers are lockable and fitted with smooth glide drawer runners. Full length storage shelf. Quick and easy assembly. Powder coated finish.
Dimensions (W x D x H):
1500 x 640 x 865mm.



Shelf Capacity 40kg Uniformly Distributed Load

SELF ASSEMBLY Tools Required

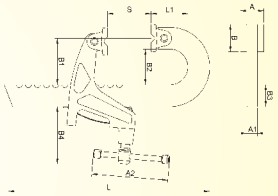
Dimensions (W x D x H)	Weight	Order Code KEN-405
1500 x 640 x 865	77.4kg	-2320K

INDEXA Standard Duty Rack Clamps

For various engineering and maintenance applications across all industrial sectors. A bright yellow epoxy coating gives the sliding jaw and J bar added protection, preventing significant deterioration and prolonging the working life of the working parts.

Features: Spring loaded jaw that stays in position when pressure removed. Jaw moves to securely clamp angled surfaces. No long screws to bend.
Tightening the clamps does not impose rotation to the workpiece.

Applications: Metal fabrication. Welding. Machining. Site maintenance. Moulding box and die holding. Toolroom. Plastic and fibreglass moulding. Plate fabrication.



NEW

Product Number	Capacity (S)	Load (KN)	Weight Kg	A	A1	A2	B	B1	B2	B3	B4	L	L1	Order Code IND-420
SD150	150	10	1.3	25	10	76	32	60	47	30	76	279	43.5	-7815K
SD300	300		1.9									429		-7830K
SD500	500		2.4									629		-7850K
SD750	750		3.1									879		-7875K

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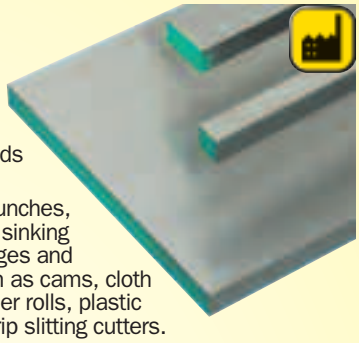
INDEXA Precision Ground Flat Stock



Precision ground flat stock supplied in **1.2510 (100MnCrW1)** Tool Steel, a wide range of Metric sizes. Oil hardening tool steel supplied in annealed condition. It offers good durability, gives excellent wear resistance and holds a good cutting edge. An excellent general purpose grade.

Applications include medium run dies, press tools, drawing punches, broaches, bushings, lathe centres, chuck jaws, master cavity sinking hobs, paper cutting machine knives, plug gauges, thread gauges and precision measuring tools. It is also used in applications such as cams, cloth cutting knives, cold taps, reamers, trimmer dies, tube expander rolls, plastic moulds and woodworking knives, collets, cutting hobs and strip slitting cutters.

Top & bottom surfaces will be supplied in ground condition. Both ends supplied sawn cut. Surface Roughness: Max 3.2my.

Ground Flat Stock Tolerances
Thickness: -0/+0.005mm; Width: -0/+0.20mm; Length: -5/+5.00mm; Square Bars: -0/+0.10mm

Size (mm)	Order Code IND-413	
2 x 10 x 500	-3300A	N/A
2 x 15 x 500	-3301B	N/A
2 x 20 x 500	-3302C	N/A
2 x 25 x 500	-3303D	N/A
2 x 40 x 500	-3305F	N/A
2 x 50 x 500	-3306G	N/A
3 x 10 x 500	-3400A	N/A
3 x 15 x 500	-3401B	N/A
3 x 20 x 500	-3402C	N/A
3 x 25 x 500	-3403D	N/A
3 x 30 x 500	-3404E	N/A
3 x 40 x 500	-3405F	N/A
3 x 50 x 500	-3406G	N/A
3 x 75 x 500	-3408J	N/A
3 x 100 x 500	-3410L	N/A
3 x 150 x 500	-3412N	N/A
4 x 15 x 500	-3501B	N/A
4 x 20 x 500	-3502C	N/A
4 x 25 x 500	-3503D	N/A
4 x 30 x 500	-3504E	N/A
4 x 40 x 500	-3505F	N/A
4 x 50 x 500	-3506G	N/A
4 x 60 x 500	-3507H	N/A
4 x 100 x 500	-3510L	N/A
5 x 15 x 500	-3601B	N/A
5 x 20 x 500	-3602C	N/A
5 x 25 x 500	-3603D	N/A
5 x 30 x 500	-3604E	N/A
5 x 40 x 500	-3605F	N/A
5 x 50 x 500	-3606G	N/A
5 x 75 x 500	-3608J	N/A
5 x 100 x 500	-3610L	N/A
5 x 150 x 500	-3612N	N/A
6 x 15 x 500	-3702C	N/A
6 x 20 x 500	-3703D	N/A
6 x 25 x 500	-3704E	N/A
6 x 30 x 500	-3705F	N/A
6 x 40 x 500	-3706G	N/A
6 x 50 x 500	-3707H	N/A
6 x 60 x 500	-3708J	N/A
6 x 75 x 500	-3709K	N/A
6 x 100 x 500	-3711M	N/A
6 x 150 x 500	-3713P	N/A
6 x 200 x 500	-3714Q	N/A
8 x 15 x 500	-3802C	N/A
8 x 20 x 500	-3803D	N/A
8 x 25 x 500	-3804E	N/A
8 x 30 x 500	-3805F	N/A
8 x 40 x 500	-3806G	N/A
8 x 50 x 500	-3807H	N/A
8 x 60 x 500	-3808J	N/A
8 x 75 x 500	-3809K	N/A
8 x 100 x 500	-3811M	N/A
8 x 150 x 500	-3813P	N/A
10 x 10 x 500	-3900A	N/A
10 x 15 x 500	-3901B	N/A
10 x 20 x 500	-3902C	N/A
10 x 25 x 500	-3903D	N/A
10 x 30 x 500	-3904E	N/A
10 x 40 x 500	-3905F	N/A
10 x 50 x 500	-3906G	N/A
10 x 60 x 500	-3907H	N/A
10 x 80 x 500	-3909K	N/A
10 x 100 x 500	-3910L	N/A
10 x 125 x 500	-3911M	N/A
10 x 150 x 500	-3912N	N/A
12 x 12 x 500	-4100A	N/A
12 x 30 x 500	-4104E	N/A
12 x 40 x 500	-4105F	N/A
12 x 50 x 500	-4106G	N/A
12 x 60 x 500	-4107H	N/A
12 x 100 x 500	-4110L	N/A
12 x 125 x 500	-4111M	N/A
12 x 150 x 500	-4112N	N/A
15 x 20 x 500	-4201B	N/A
15 x 25 x 500	-4202C	N/A
15 x 30 x 500	-4203D	N/A
15 x 40 x 500	-4204E	N/A
15 x 50 x 500	-4205F	N/A
15 x 100 x 500	-4209K	N/A
15 x 150 x 500	-4211M	N/A
20 x 20 x 500	-4300A	N/A
20 x 25 x 500	-4301B	N/A
20 x 30 x 500	-4302C	N/A
20 x 40 x 500	-4303D	N/A
20 x 50 x 500	-4304E	N/A
20 x 75 x 500	-4306G	N/A
20 x 100 x 500	-4308J	N/A
20 x 150 x 500	-4310L	N/A
25 x 25 x 500	-4400A	N/A
25 x 40 x 500	-4402C	N/A
25 x 50 x 500	-4403D	N/A
25 x 75 x 500	-4405F	N/A

KENNEDY Steel Shim



Designed to achieve accurate alignment. High quality steel to prevent corrosion from exposure to acids or alkalis. With rounded corners, perfectly deburred for maximum safety. Permanent markings indicate thickness and dimensions. Extraction and insertion tabs facilitate positioning and removal of the shims.

EN2. CS4 fully hardened bright mild steel.
6" wide. 1lb tins.

Thickness	Length	Weight each	Order Code KEN-415
0.002"	24'4"	454g	-6020K
0.003"	15'6"	454g	-6030K
0.004"	12'2"	454g	-6040K
0.005"	9'8"	454g	-6050K
0.006"	7'8"	454g	-6060K
0.007"	7'0"	454g	-6070K
0.008"	6'0"	454g	-6080K
0.010"	4'1"	454g	-6100K
0.012"	3'9"	454g	-6120K
0.015"	3'4"	454g	-6150K
0.020"	2'5"	454g	-6200K
0.025"	2'0"	454g	-6250K

Assorted pack
Contains one of each of the following thickness of shim:
0.002", 0.003", 0.004", 0.005", 0.006", 0.008", 0.010", 0.015".

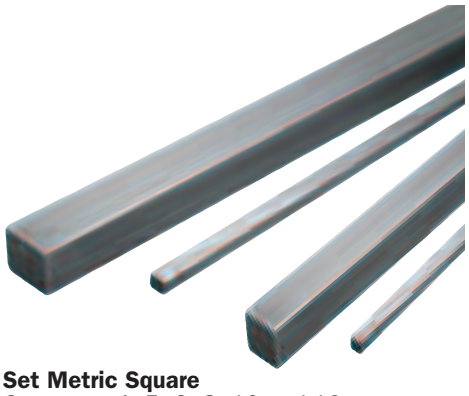


8 PIECES

Number of Pieces	Lengths	Weight each	Order Code KEN-415
8	11"	0.60kg	-6650K

Industrial Key Steel

High grade mild steel.
Available in square or rectangular sections.
Metric manufactured from:
BS4235 Part 7 1972 grade steel equivalent to **DIN 6885**.
Inch manufactured from:
BS46 PART 7 1958 grade steel.
Length: 300mm and 12".
Other sizes available on request.



Set Metric Square
Contents: 4, 5, 6, 8, 10 and 12mm.

No.of Pieces	Weight each	Order Code KEN-421	
6	850g	-0500K	N/A

Square – Metric

Type	Size	Order Code KEN-421	
mm	2mm	-0020K	N/A
	3mm	-0030K	N/A
	4mm	-0040K	N/A
	5mm	-0050K	N/A
	6mm	-0060K	N/A
	7mm	-0070K	N/A
	8mm	-0080K	N/A
	10mm	-0100K	N/A
	12mm	-0120K	N/A
	14mm	-0140K	N/A
	16mm	-0160K	N/A
	18mm	-0180K	N/A
	20mm	-0200K	N/A
	22mm	-0220K	N/A
	25mm	-0250K	N/A

Square – Inch

Type	Size	Order Code KEN-421	
inch	1/8"	-3080K	N/A
	5/32"	-3100K	N/A
	3/16"	-3120K	N/A
	1/4"	-3160K	N/A
	5/16"	-3200K	N/A
	3/8"	-3240K	N/A
	7/16"	-3280K	N/A
	1/2"	-3320K	N/A
	9/16"	-3360K	N/A
	5/8"	-3400K	N/A
	3/4"	-3480K	N/A
	7/8"	-3560K	N/A
	1"	-3640K	N/A

Rectangular – Metric

Type	Size	Order Code KEN-421	
mm	8 x 5mm	-0850K	N/A
	8 x 7mm	-0870K	N/A
	10 x 8mm	-1080K	N/A
	12 x 8mm	-1280K	N/A
	12 x 10mm	-1300K	N/A
	14 x 9mm	-1490K	N/A
	16 x 10mm	-1610K	N/A
	18 x 11mm	-1910K	N/A
	20 x 12mm	-2120K	N/A
	22 x 14mm	-2400K	N/A
	25 x 14mm	-2420K	N/A
	28 x 16mm	-2550K	N/A
	32 x 18mm	-2650K	N/A
	36 x 20mm	-2700K	N/A

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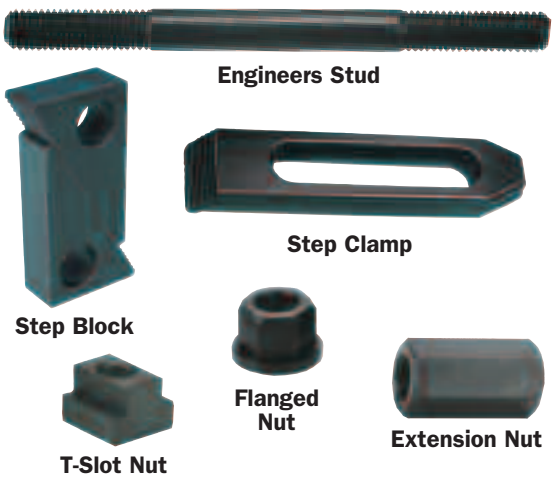
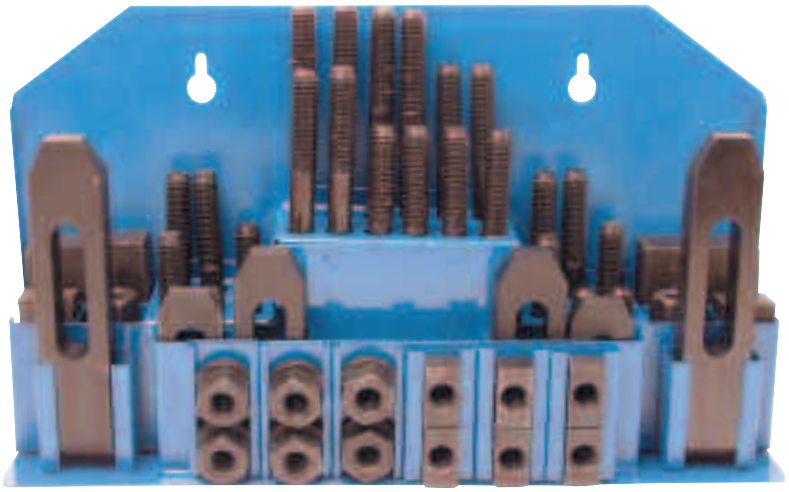
ATLAS WORKHOLDERS

T-Slot Steel Clamping Sets

Designed to save set up time and solve most clamping problems. Manufactured to high standards. All step clamps are forged and hardened and the step blocks are made from high quality steel. All components (other than the studs) are heat treated and finished in black oxide. Available to suit a full range of metric and imperial T-Slot widths. Supplied in steel racks which can be wall mounted or fitted to workbenches for ease of storage (except M16 set which is supplied in wooden box).





58 Pieces Metric Sets (Quantity of each component part given in brackets)

Product Number	Table Slot Size x W x L (mm)	Thread Size	Engineer's Stud L x Thread L (mm)	Step Clamp L x W x H (mm)	Extension Nuts	Flange Nuts	Step Blocks (Pairs) H	Step Blocks (Pairs) Adj. Range	Weight each	Order Code ATL-425
CK120100	12 x 18 x 14 (6)	M10	75 x 30 (4) 100 x 30 (4) 125 x 30 (4) 150 x 30 (4) 175 x 30 (4) 200 x 30 (4)	55 x 25 x 12 (2) 88 x 25 x 16 (2) 128 x 28 x 19 (2)	M10 x 30mm Long (4)	M10 x 15mm (6)	28 35 98	20 - 38 (4) 28 - 64 (4) 64 - 152 (4)	10kg	**-1120K**
CK140120	14 x 22 x 16 (6)	M12	75 x 35 (4) 100 x 35 (4) 125 x 35 (4) 150 x 35 (4) 175 x 35 (4) 200 x 35 (4)	64 x 28 x 12 (2) 100 x 32 x 19 (2) 150 x 32 x 22 (2)	M12 x 36mm Long (4)	M12 x 18mm (6)	28 35 98	20 - 38 (4) 28 - 64 (4) 64 - 152 (4)	12kg	**-1140K**
CK160140	16 x 25 x 18 (6)	M14	75 x 35 (4) 100 x 35 (4) 125 x 35 (4) 150 x 35 (4) 175 x 35 (4) 200 x 35 (4)	64 x 28 x 12 (2) 100 x 32 x 19 (2) 150 x 32 x 22 (2)	M14 x 42mm Long (4)	M14 x 21mm (6)	28 35 98	20 - 38 (4) 28 - 64 (4) 64 - 152 (4)	12kg	**-1160K**
CK180140	18 x 25 x 18 (6)	M14	75 x 35 (4) 100 x 35 (4) 125 x 35 (4) 150 x 35 (4) 175 x 35 (4) 200 x 35 (4)	64 x 28 x 12 (2) 100 x 32 x 19 (2) 150 x 32 x 22 (2)	M14 x 42mm Long (4)	M14 x 21mm (6)	28 35 98	20 - 38 (4) 28 - 64 (4) 64 - 152 (4)	12kg	**-1180K**
CK200160	20 x 28 x 20 (6)	M16	75 x 35 (4) 100 x 35 (4) 125 x 35 (4) 150 x 35 (4) 175 x 35 (4) 200 x 35 (4)	64 x 31 x 12 (2) 100 x 38 x 20 (2) 150 x 38 x 22 (2)	M16 x 48mm Long (4)	M16 x 24mm (6)	28 35 98	20 - 38 (4) 28 - 64 (4) 64 - 152 (4)	14kg	**-1200K**

58 Pieces Inch Sets (Quantity of each component part given in brackets)

Product Number	Table Slot Size x W x L (mm)	Thread Size	Engineer's Stud L x Thread L (mm)	Step Clamp L x H x W (mm)	Extension Nuts	Flange Nuts	Step Blocks (Pairs) H	Step Blocks (Pairs) Adj. Range	Weight each	Order Code ATL-425
CK500375	1/2" x 11/16" x 17/32" (6)	3/8" UNC	3" x 1¼" (4) 4" x 1¼" (4) 5" x 1¼" (4) 6" x 1¼" (4) 7" x 1¼" (4) 8" x 1¼" (4)	2" x 1" x ½" (2) 3½" x 1¼" x ¾" (2) 5" x 1¼" x ⅞" (2)	3/8" UNC x 1" Long (4)	3/8" UNC 7/16" (6)	1⅛" 1¾" 3⅞"	¾" - 1½" (4) 1⅛" - 2½" (4) 2½" - 6" (4)	10kg	**-1320K**
CK62500	9/16" x ⅞" x 6/8" (6)	½" UNC	3" x 1¼" (4) 4" x 1½" (4) 5" x 1½" (4) 6" x 1½" (4) 7" x 1½" (4) 8" x 1½" (4)	2½" x 1⅛" x ½" (2) 2" x 1¼" x ¾" (2) 6" x 1¼" x ⅞" (2)	½" UNC x 1¼" Long (4)	½" UNC 13/16" (6)	1⅛" 1¾" 3⅞"	¾" - 1½" (4) 1⅛" - 2½" (4) 2½" - 6" (4)	12kg	**-1360K**
CK62550	5/8" x ⅞" x 6/8" (6)	½" UNC	3" x 1¼" (4) 4" x 1½" (4) 5" x 1½" (4) 6" x 1½" (4) 7" x 1½" (4) 8" x 1½" (4)	2½" x 1⅛" x ½" (2) 2" x 1¼" x ¾" (2) 6" x 1¼" x ⅞" (2)	½" UNC x 1¼" Long (4)	½" UNC 13/16" (6)	1⅛" 1¾" 3⅞"	¾" - 1½" (4) 1⅛" - 2½" (4) 2½" - 6" (4)	12kg	**-1400K**
CK750625	¾" x 1⅜" x 1⅛" (6)	5/8" UNC	3" x 1¼" (4) 4" x 1½" (4) 5" x 1½" (4) 6" x 1½" (4) 7" x 1½" (4) 8" x 1½" (4)	2½" x 1⅛" x ½" (2) 2" x 1¼" x ¾" (2) 6" x 1¼" x ⅞" (2)	5/8" UNC x 1 5/8" Long (4)	5/8" UNC 13/16" (6)	1⅛" 1¾" 3⅞"	¾" - 1½" (4) 1⅛" - 2½" (4) 2½" - 6" (4)	12kg	**-1480K**

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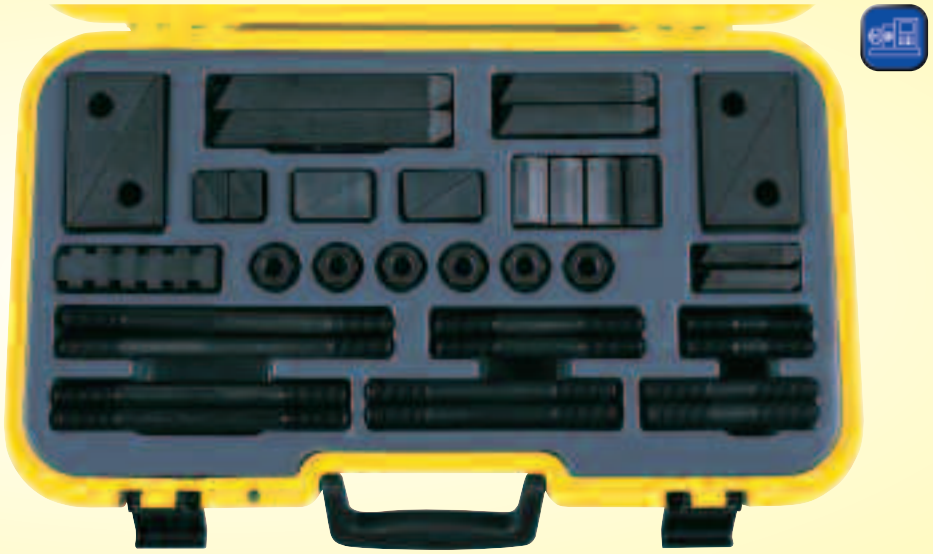
INDEXA Indexa T-Slot Clamping Kits

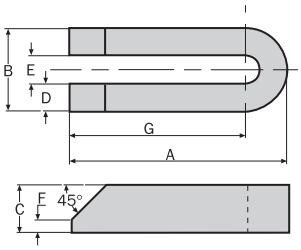
Designed to save set up time and solve most T-Slot clamping problems.
All components are manufactured from **S45C (JIS)/CK45 (DIN)** grade non-alloy carbon steel, heat treated to HRC 28 - 32 and have a manganese phosphate surface finish.
Supplied in a robust plastic case.

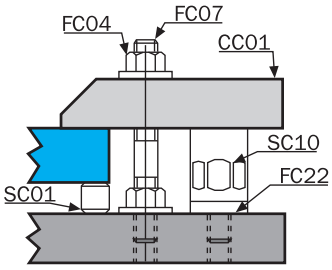


T-Slot Size	Thread Size	Part Number	Weight each	Order Code IND-425
12mm	M10	TK10	9.0kg	**-3610T**
14mm	M12	TK12	10.0kg	**-3612T**
16mm	M14	TK14	11.0kg	**-3614T**
18mm	M16	TK16	14.0kg	**-3616T**
20mm	M18	TK18	20.5kg	**-3618T**

INDEXA CC01 - U-Clamp

Open end permits quick and easy installation.





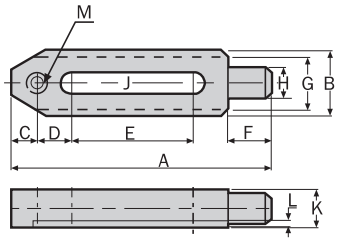
Material: Medium Carbon Steel.
Heat treated to: HRC 32 - 38.
Surface finish: Black Oxide.

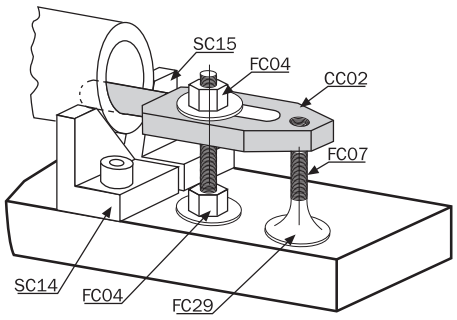


Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	Weight each	Order Code IND-425
CC010112	100 x 38mm	22	12.5	13	6	81	0.41kg	**-1005D**
CC010316	150 x 50mm	30	16.5	17	8	125	1.10kg	**-1005J**
CC010420	200 x 60mm	35	19.5	21	10	170	2.10kg	**-1005M**

CC02 - Bore Clamp

The cylindrical pin minimises the contact area.
This clamp is for clamping inside horizontal bores and onto concave surfaces.





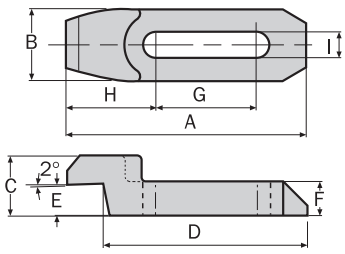
Material: Medium Carbon Steel.
Heat treated to: HR C32 - 38.
Surface finish: Black Oxide.

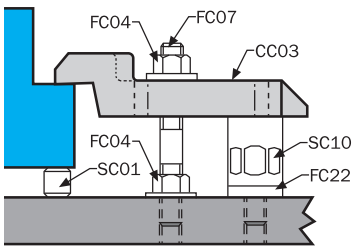


Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	J	K	L	M	Weight each	Order Code IND-425
CC020112	150 x 38mm	15	20	70	25	30	18	13	22	4	M12	0.58kg	**-1010D**
CC020216	150 x 48mm	20	25	40	35	40	24	17	32	5	M16	1.12kg	**-1010G**

CC03 - Swan Necked Clamp

Low profile design helps eliminate cutter interference.





Material: Medium Carbon Steel.
Heat treated to: HRC 32 - 38.
Surface finish: Black Oxide.



Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	I	Weight each	Order Code IND-425
CC030216	150 x 48mm	48	130	25	25	55	60	17	1.30kg	**-1015K**
CC030320	175 x 60mm	60	150	30	30	65	70	21	2.26kg	**-1015N**
CC030112	120 x 36mm	30	102	16	17	50	45	13	0.49kg	**-1015H**

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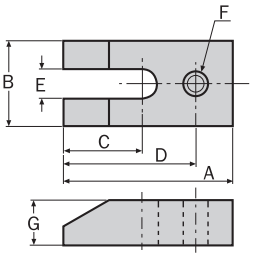
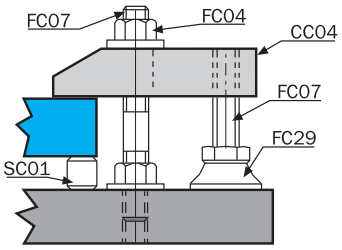
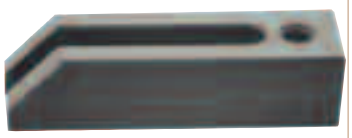
INDEXA CC04 - Tapped End U-Clamp

Open end design permits easy assembly.

Material: Medium Carbon Steel.
Heat treated to: HRC 32 - 38.
Surface finish: Black Oxide.



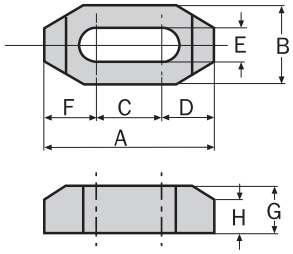


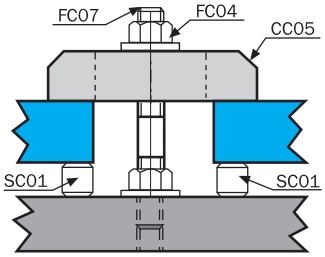


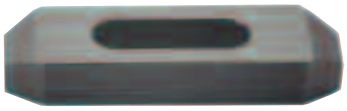
Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	Weight each	Order Code IND-425
CC040616	150 x 50mm	95	130	17	M16	25	1.50kg	**-1020R**

CC05 - Plain Clamp

Material: Medium Carbon Steel.
Heat treated to: HRC 32 - 38.
Surface finish: Black Oxide.





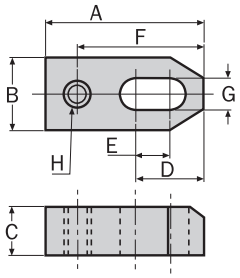


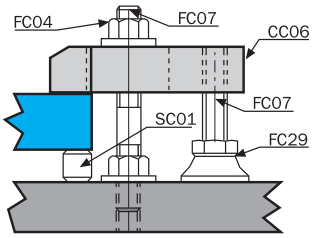
Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	Weight each	Order Code IND-425
CC050112	65 x 32mm	25	20.0	13	20.0	19	13	0.22kg	**-1025D**
CC050212	100 x 32mm	40	30.0	13	30.0	19	13	0.33kg	**-1025G**
CC050316	80 x 38mm	24	28.0	17	28.0	22	14	0.34kg	**-1025J**
CC050416	125 x 38mm	41	42.0	17	42.0	22	14	0.57kg	**-1025M**
CC050520	100 x 38mm	32	34.0	21	34.0	22	14	0.41kg	**-1025P**
CC050620	125 x 38mm	40	42.5	21	42.5	25	15	0.62kg	**-1025R**

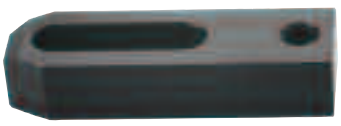
CC06 - Tapped End Plain Clamp

For use with various knobs,
jack screws, clamps and pads.

Material: Medium Carbon Steel.
Heat treated to: HRC 32 - 38.
Surface finish: Black Oxide.







Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	Weight each	Order Code IND-425
CC060112	65 x 32mm	19	32	14	52	13	M12	0.22kg	**-1030D**
CC060212	80 x 32mm	19	48	25	69	13	M12	0.27kg	**-1030F**
CC060312	100 x 32mm	19	60	40	89	13	M12	0.33kg	**-1030H**
CC060416	80 x 38mm	19	40	17	65	17	M16	0.32kg	**-1030J**
CC060516	100 x 38mm	25	55	30	85	17	M16	0.53kg	**-1030L**
CC060616	125 x 38mm	25	70	45	110	17	M16	0.65kg	**-1030N**
CC060720	150 x 50mm	25	82	50	134	21	M20	1.10kg	**-1030P**
CC060820	200 x 50mm	25	112	80	184	21	M20	1.90kg	**-1030R**

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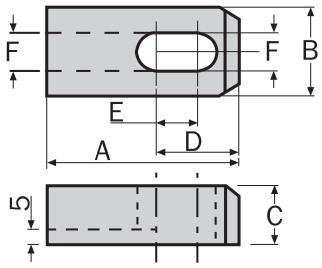
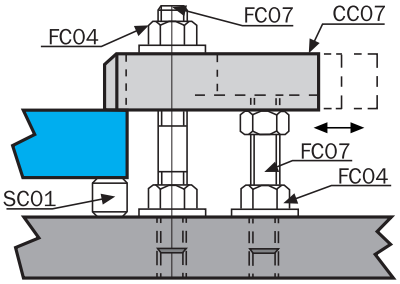
INDEXA CC07 - Slotted End Clamp





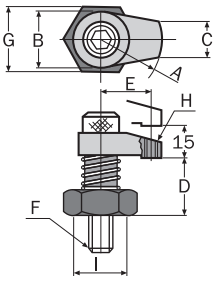
Material: Medium Carbon Steel.
Hardness: HRC 32 - 38.
Surface finish: Black Oxide.

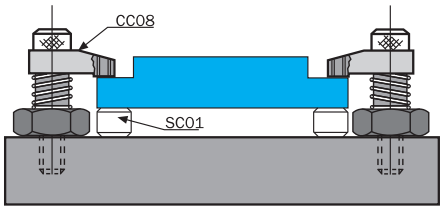


Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	Weight each	Order Code IND-425
CC070212	80 x 32mm	22	48	25	13	0.31kg	-1035F
CC070616	125 x 38mm	25	70	45	17	0.65kg	-1035N

CC08 - Swing Clamp

A small clamp with good holding power, ideal for tight spaces, full swing away feature permits easy part loading.





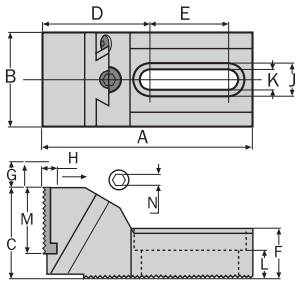
Material: Case Hardened Steel.
Hardness: HRC 38 - 42.
Surface finish: Black Oxide.

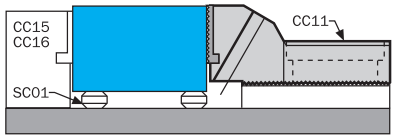


Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	I	Weight each	Order Code IND-425
CC080112	30 x 28mm	16	40	-	M12	29	-	21	0.29kg	-1040D
CC080212	50 x 32mm	20	45	40	M12	36	M12	26	0.50kg	-1040G
CC080316	60 x 40mm	25	45	45	M16	41	M16	32	0.75kg	-1040J

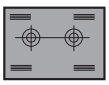
CC11 - Free Vice Jaw

Clamping force in two directions, with serrated jaws for holding large or irregular shapes.





Serrated



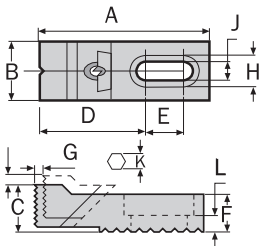
Material: Body: Grey Cast Iron.
Jaw: Medium Carbon Steel EN8D.
Hardness: Jaw Only: HRC 45 - 48.
Surface finish: Jaw: Black Oxide.

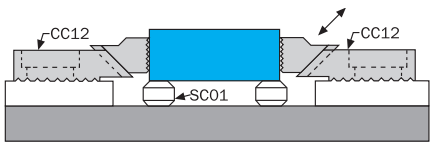


Product Number	Type	Length x Width A x B	Dimensions (mm) C	D	E	F	G	H	J	K	L	M	N	Weight each	Order Code IND-425
CC110112	Serrated	133 x 60mm	54.5	68	50	32	16	6	22	13	16.8	42	10	2.0kg	-1045D

CC12 - Adjustable Clamp

Low profile clamp that keeps top surfaces clear for machining. Ideal for rough or finished parts.





Ground Serrated



Material: Medium Carbon Steel.
Hardness: Jaw Only: HRC 38.
Surface finish: Black Oxide.
Jaws: Surface treated with high frequency quenching.



Product Number	Type	Length x Width x Height A x B x C	Dimensions (mm) D	E	F	G	H	J	K	L	Weight each	Order Code IND-425
CC120108		73.45 x 25 x 18mm	46.95	16.5	16	7	14	8.5	4	7	0.18kg	-1050D
CC120212	Serrated	106.64 x 35 x 27.5mm	62.14	30.0	22	12	20	13.5	6	9	0.52kg	-1050F
CC120316		134.64 x 40 x 37.5mm	82.14	35.0	30	14	26	17.0	8	13	1.02kg	-1050H
CC120408		72.00 x 25 x 20.0mm	45.00	16.0	16	7	14	8.5	4	7	0.16kg	-1050J
CC120512	Ground	104.64 x 35 x 27.5mm	62.14	30.0	22	12	20	13.5	6	9	0.52kg	-1050M
CC120616		134.64 x 40 x 37.5mm	82.14	35.0	30	14	26	17.0	8	13	1.02kg	-1050R

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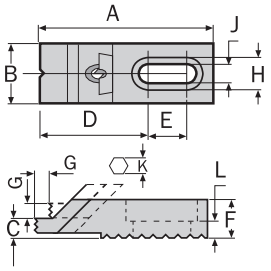
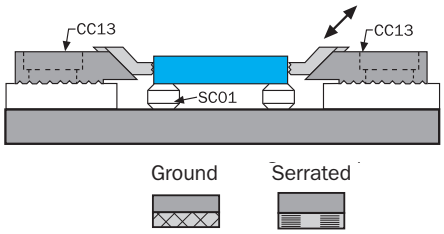
INDEXA CC13 - Adjustable Stepped Clamp

Low profile clamp for holding thin parts and keeping top surfaces clear for machining.





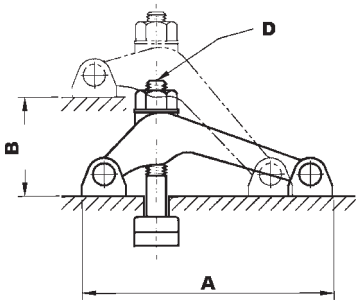
Ground Serrated

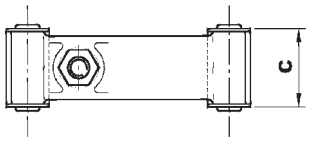
Material: Medium Carbon Steel.
Heat treated to: HRC 38.
Surface finish: Black Oxide.
Jaws: Surface treated with high frequency quenching.



Product Number	Type	Length x Width x Height A x B x C	Dimensions (mm) D	E	F	G	H	J	K	L	Weight each	Order Code IND-425
CC130108	Serrated	73.45 x 25 x 18mm	46.95	16.5	16.5	7	14	8.5	5	7	0.18kg	**-1055D**
CC130212		106.64 x 35 x 27.5mm	64.14	30.0	22.0	12	20	13.5	6	9	0.52kg	**-1055F**
CC130316	Ground	133.14 x 40 x 14mm	90.00	30.0	30.0	14	26	17.0	8	13	0.85kg	**-1055H**
CC130512		105 x 35 x 27.5mm	64.14	26.0	22.0	12	20	13.5	6	9	0.52kg	**-1055M**

CC19 - Forged Swivel Clamp



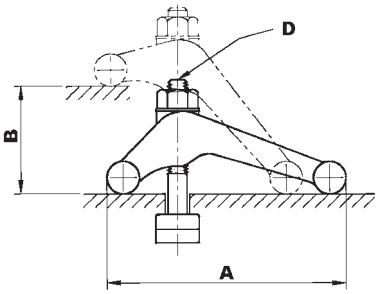


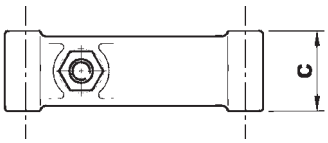
Material: Medium Carbon Steel/Steel Forging.
Heat treated to: 32 - 38°.
Surface finish: Black Oxide.



Product Number	Length x Width A x B	Dimensions (mm) C	D	Weight each	Order Code IND-425
CC19-NC50	131 x 75mm	46.5	M12-125	1.50kg	**-1085D**

CC20 - Forged Swivel Clamp



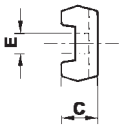


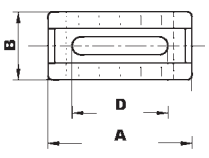
Material: Medium Carbon Steel/Steel Forging.
Heat treated to: 32 - 38°.
Surface finish: Black Oxide.

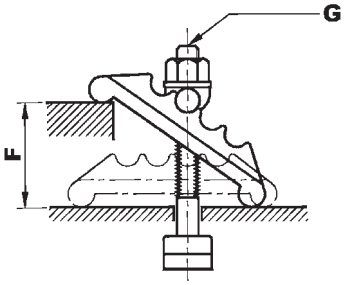


Product Number	Length x Width A x B	Dimensions (mm) C	D	Weight each	Order Code IND-425
CC20-NC6	150 x 85mm	52	M16-150	2.42kg	**-1090M**
CC20-NC8	194 x 105mm	58	M20-175	4.50kg	**-1090T**

CC21 - Swivel Rack Clamp







Material: Medium Carbon Steel/Steel Forging.
Surface finish: Black Oxide.



Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	G	Weight each	Order Code IND-425
CC21-0216	125 x 56mm	33	84	18	65	M16	2.10kg	**-1095M**

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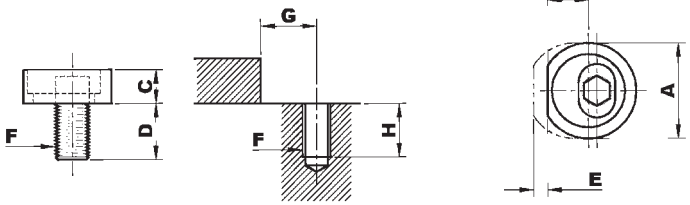
INDEXA CC24 - Eccentric Cam Lock

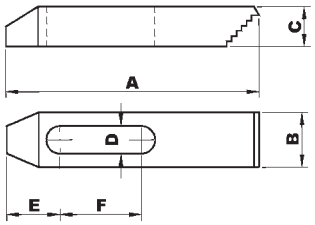


Material: Medium Carbon Steel.
Hardness: HRC 35.
Surface finish: Black Oxide.

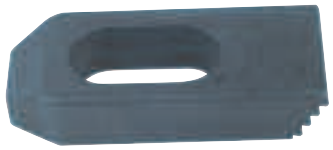


Product Number	Dimensions (mm) A	B	C	D	E	F	G	H	Weight each	Order Code IND-425
CC240210	26	11.8	8	14.3	4	M10	12.5	22	.03kg	**-1110C**
CC240312	30	13.5	9	19	5	M12	14.5	22	.06kg	**-1110G**
CC240416	38	16.0	12	23	6	M16	17.5	26	.12kg	**-1110P**

CC25 - Step Clamp

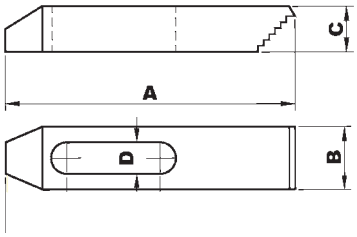


Material: Medium Carbon Steel.
Hardness: HRC 32 - 38.
Surface finish: Black Oxide.



Product Number	Length x Width A x B	Dimensions (mm) C	D	E	F	To Suit Stud Size	Weight each	Order Code IND-425
CC251463	63 x 25mm	13	15	20	14	M14	0.12kg	**-1130C**
CC2514100	100 x 32mm	19	15	29	34	M14	0.38kg	**-1130G**
CC2514150	150 x 32mm	22	15	32	50	M14	0.68kg	**-1130J**
CC2516100	100 x 32mm	19	17	31	26	M16	0.42kg	**-1135G**
CC2516150	150 x 30mm	22	17	40	47	M16	0.72kg	**-1135J**

ATLAS WORKHOLDERS Step Clamp



Material: Medium Carbon Steel.
Hardness: HRC 32 - 38.
Surface finish: Black Oxide.

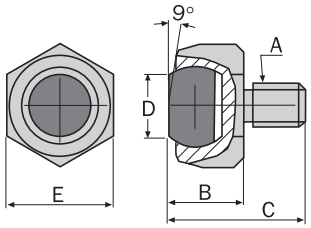


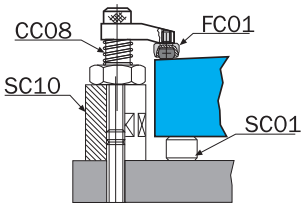
Product Number	To Suit Stud Size	Dimensions (mm) A x B	C	D	Order Code ATL-425
SC105222		55 x 25	12	13	**-2020K**
SC108825	M10/3⁄8" UNC	88 x 25	16	11	**-2040K**
SC1012828		128 x 28	19	11	**-2060K**
SC126428		64 x 28	12	13	**-2120K**
SC1210032	M12/1⁄2" UNC	100 x 32	19	13	**-2140K**
SC1215032		150 x 32	22	13	**-2160K**

Product Number	To Suit Stud Size	Dimensions (mm) A x B	C	D	Order Code ATL-425
SC146428		64 x 28	12	15	**-2220K**
SC1410035	M14	100 x 35	19	15	**-2240K**
SC1415032		150 x 32	22	15	**-2260K**
SC166432		64 x 32	12	17	**-2420K**
SC1610038	M16/5⁄8" UNC	100 x 38	20	17	**-2440K**
SC1615038		150 x 38	22	17	**-2460K**

INDEXA FC01 - Plain Ball End

Precision swivel ball that can be used either as a contact bolt or rest pad. As contact pads these swivel ball units are ideal for evenly distributing clamping pressure on sloped or uneven surfaces.





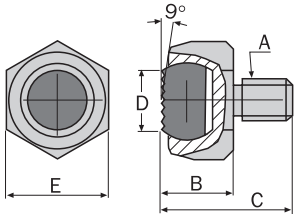
Material:
Body - Medium Carbon Steel.
Ball - Through Hardened Steel
EN 31.
Hardness:
Bolt - HRC 35.
Ball - HRC 62.
Surface finish:
Black Oxide.

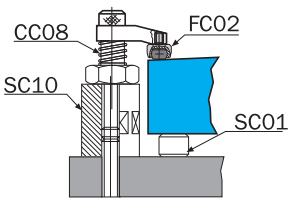


Product Number	Thread A	Dimensions (mm) B	C	D	E	Weight each	Order Code IND-425
FC010216	M16 x 2.00	26	42	14	27	0.14kg	**-2010R**

FC02 - Serrated Ball End

Precision swivel ball that can be used either as a contact bolt or rest pad. As contact pads these swivel ball units are ideal for evenly distributing clamping pressure on sloped or uneven surfaces.





Material:
Body - Medium Carbon Steel.
Ball - Through Hardened Steel
EN 31.
Hardness:
Bolt - HRC 35.
Ball - HRC 62.
Surface finish:
Black Oxide.



Product Number	Thread A	B	Dimensions (mm) C	D	E	Weight each	Order Code IND-425
FC010112	M12 x 1.75	22	35	12	22	0.070kg	**-2015J**
FC010216	M16 x 2.00	26	42	14	27	0.14kg	**-2015R**

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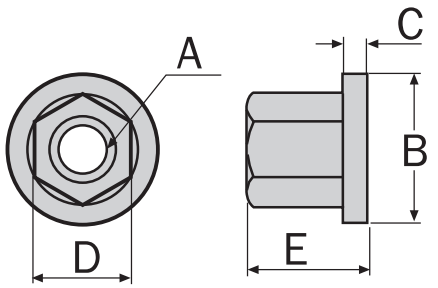
INDEXA FC04 - Flanged Nut

Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.
Surface finish: Black Oxide.



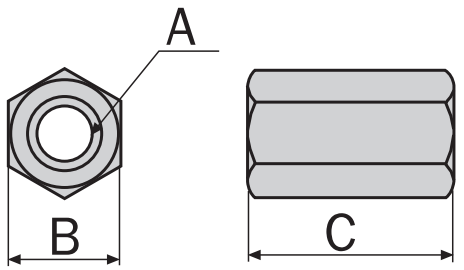


Product Number	Thread A	Dimensions (mm) B	C	D	E	Weight each	Order Code IND-425
FC040110	M10	22	3	17	13	0.020kg	**-2025G**
FC040212	M12	28	4	19	17	0.040kg	**-2025K**
FC040214	M14	28	4	22	17	0.040kg	**-2025M**
FC040316	M16	33	5	24	20	0.060kg	**-2025P**
FC040420	M20	40	6	30	25	0.110kg	**-2025T**

FC05 - Extension Nut

Extends the length of clamping studs.

Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.
Surface Finish: Black Oxide.

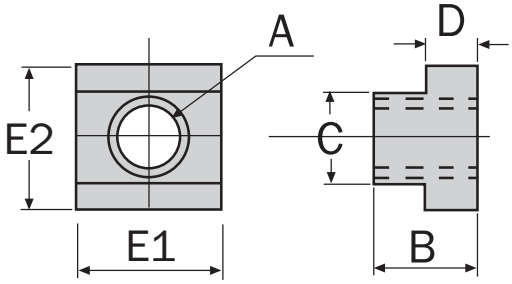


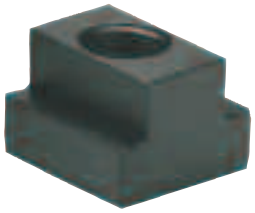


Product Number	Size A	Dimensions (mm) B	C	Weight each	Order Code IND-425
FC050110	M10	17	30	0.030kg	**-2030F**
FC050212	M12	19	36	0.046kg	**-2030K**
FC050314	M14	22	42	0.065kg	**-2030M**
FC050316	M16	24	48	0.110kg	**-2030N**
FC050420	M20	30	60	0.220kg	**-2030R**

FC06 - T-Slot Nut (Milled)

Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.
Surface finish: Black Oxide.





Product Number	Size A	Dimensions (mm) B	C	D	E1	E2	Weight each	Order Code IND-425
FC060110	M10	14.0	11.8	7.0	22	18.0	0.022kg	**-2035G**
FC060212	M12	16.0	13.8	8.0	28	22.0	0.048kg	**-2035K**
FC050314	M14	16.0	15.8	8..0	28	25.0	0.057kg	**-2035M**
FC060316	M16	20.0	17.7	10.5	30	28.5	0.085kg	**-2035P**
FC060420	M20	25.0	22.0	14.0	38	36.0	0.190kg	**-2035T**

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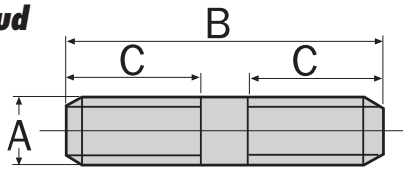
INDEXA FC07 - Engineer's Stud



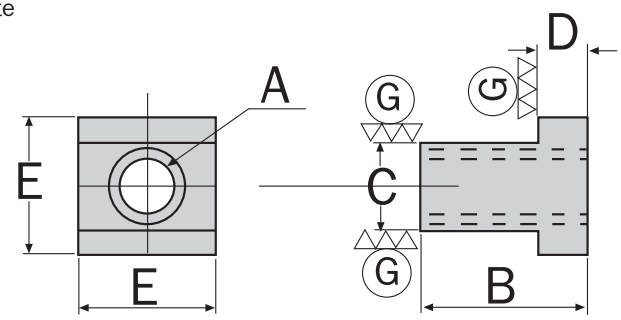
Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.
Surface finish: Black Oxide.



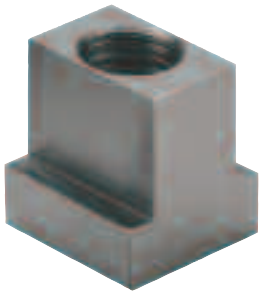
Product Number	Size A x B	Dimension C	Weight each	Order Code IND-425
FC070110	M10 x 50mm	22	30g	**-2120S**
FC070210	M10 x 75mm	30	42g	**-2125S**
FC070310	M10 x 100mm	38	55g	**-2130S**
FC070510	M10 x 150mm	50	90g	**-2140S**
FC070612	M12 x 50mm	22	40g	**-2145S**
FC070712	M12 x 75mm	30	60g	**-2150S**
FC070812	M12 x 100mm	38	80g	**-2155S**
FC070912	M12 x 125mm	38	100g	**-2160S**
FC071012	M12 x 150mm	50	125g	**-2165S**
FC071112	M12 x 200mm	65	160g	**-2170S**
FC071212	M12 x 300mm	80	240g	**-2175S**
FC071214	M14 x 75mm	30	65g	**-2176S**
FC071214	M14 x 100mm	38	85g	**-2177A**
FC071214	M14 x 125mm	38	105g	**-2177G**
FC071214	M14 x 150mm	50	130g	**-2177K**
FC071214	M14 x 200mm	65	165g	**-2177T**
FC071316	M16 x 75mm	20	120g	**-2180S**
FC071416	M16 x 100mm	38	145g	**-2185S**
FC071516	M16 x 125mm	38	180g	**-2190S**
FC071616	M16 x 150mm	50	230g	**-2195S**
FC071616	M16 x 175mm	50	240g	**-2197S**
FC071716	M16 x 200mm	65	290g	**-2200S**
FC071816	M16 x 250mm	65	350g	**-2205S**
FC071916	M16 x 300mm	80	450g	**-2210S**
FC072016	M16 x 400mm	100	580g	**-2215S**
FC072116	M16 x 500mm	100	700g	**-2220S**
FC072220	M20 x 75mm	30	170g	**-2225S**
FC072320	M20 x 100mm	38	230g	**-2230S**
FC072420	M20 x 125mm	38	280g	**-2235S**
FC072520	M20 x 150mm	50	360g	**-2240S**
FC072620	M20 x 200mm	65	450g	**-2245S**
FC072720	M20 x 250mm	65	550g	**-2250S**
FC072820	M20 x 300mm	80	700g	**-2255S**
FC072920	M20 x 400mm	100	880g	**-2260S**
FC073020	M20 x 500mm	100	1100g	**-2265S**

FC08 - T-Slot Nut (Ground)

Ground surfaces provide accurate positioning inside of T-slot.



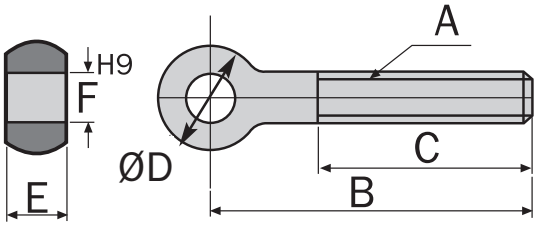
Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.

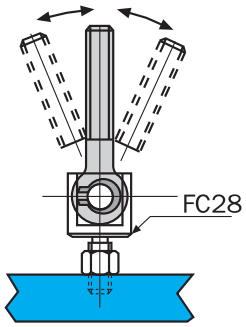


Product Number	Thread A	Dimensions (mm) B	C (h6)	D	E	Weight each	Order Code IND-425
FC008112	M12	22	14	8	22	45g	**-2505J**
FC008216	M16	30	18	10	28	80g	**-2505R**

FC09 - Swing Bolt

Reamed hole for smooth swivelling.





Material: Medium Carbon Steel.
Hardness: HRC 30 - 35.



Product Number	Size A x B	Dimensions (mm) C	D	E	F	Weight each	Order Code IND-425
FC040110	M10 x 75mm	40	20	12	10	60g	**-2510E**
FC090210	M10 x 100mm	40	20	12	10	80g	**-2510H**
FC090412	M12 x 100mm	60	25	14	12	120g	**-2510N**
FC090516	M16 x 125mm	60	32	17	16	250g	**-2510P**
FC090616	M16 x 150mm	75	32	17	16	300g	**-2510R**

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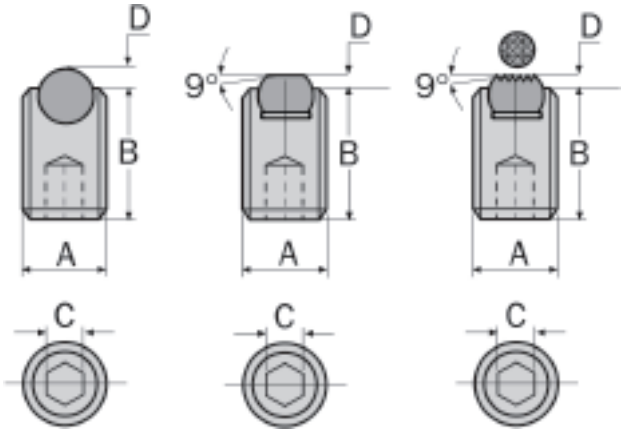
INDEXA FC16 - Swivel Clamping Screw



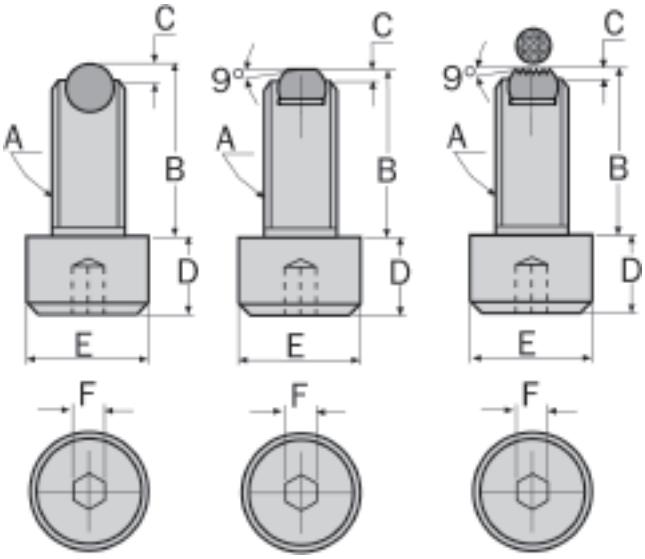
Material:
Body - Medium Carbon Steel **EN198**.
Point - Through Hardened Steel **EN 31**.
Hardness:
Body - HRC 32 - 38.
Point - HRC 62.
Surface finish:
Point - Hardened and Ground.



Ball Point **Dog Point** **Serrated Point**

Thread x Length A x B	mm C	Weight each	Ball Point Product Number	mm D	Order Code **IND-425**	Dog Point Product Number	mm D	Order Code **IND-425**	Serrated Point Product Number	mm D	Order Code **IND-425**
M6 x 15mm	3	2.4g	FC160206	1.4	**-2610H**	-			-		
M6 x 25mm	3	3.8g	FC160306	1.4	**-2610N**	-			-		
M8 x 12mm	4	3.2g	FC160408	1.9	**-2615D**	FC162208	0.6	**-2645D**	-		
M8 x 20mm	4	5.8g	FC160508	1.9	**-2615H**	FC162308	0.6	**-2645H**	-		
M8 x 30mm	4	9.0g	FC160608	1.9	**-2615N**	-			-		
M10 x 15mm	5	6.7g	FC160710	2.4	**-2620D**	-			-		
M10 x 25mm	5	11.2g	FC160810	2.4	**-2620H**	FC162610	0.7	**-2650H**	-		
M10 x 35mm	5	16.2g	-			FC162710	0.7	**-2650N**	-		
M12 x 30mm	6	20.0g	-			FC162912	0.9	**-2655H**	-		
M12 x 50mm	6	40.0g	FC161312	2.9	**-2625T**	-			-		
M16 x 55mm	8	55.0g	-			FC163516	1.0	**-2660R**	-		
M16 x 65mm	8	65.0g	-						FC165416	1.0	**-2690T**

FC17 - Swivel Shoulder Clamping Screw



Material:
Body - Medium Carbon Steel **EN198**.
Point - Through Hardened Steel **EN 31**.
Hardness:
Body - HRC 32 - 38.
Point - HRC 62.
Surface finish:
Point - Hardened and Ground.



Ball Point **Dog Point** **Serrated Point**

Thread x L A x B (mm)	Dimensions D	E	F	Weight each	Ball Point Product Number	mm C	Order Code **IND-425**	Dog Point Product Number	mm C	Order Code **IND-425**	Serrated Point Product Number	mm C	Order Code **IND-425**
M8 x 40	8	13	6	24g	FC170608	1.9	**-2725N**	-			-		
M12 x 65	12	18	10	70g	FC171212	2.9	**-2735N**	-			-		
M16 x 40	16	24	14	90g	FC171416	4.0	**-2740D**	-			-		

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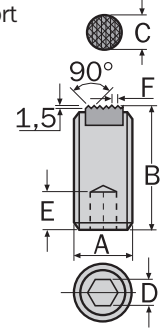
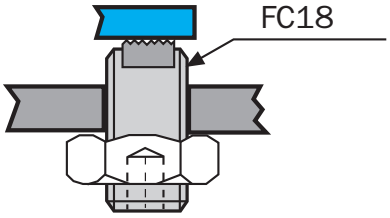
INDEXA FC18 - Grip Point Screw

Multipurpose work support and clamping unit, ideal for rough parts.





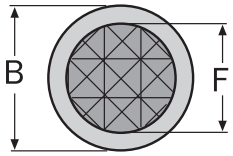
Material: Medium Carbon Steel **EN19B**.
Hardness: HRC 32 - 38.
Tooth plate HRC 60.
Serrated surface: Induction Hardened.
Surface finish: Black Oxide.

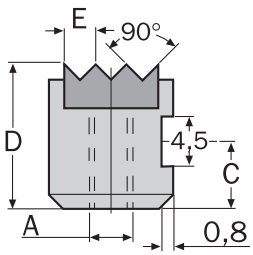


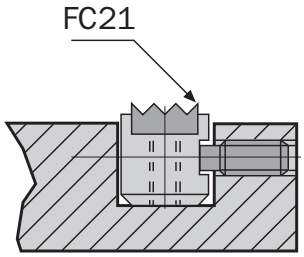
Product Number	Thread x Length A x B	Dimensions (mm) C	D	E	F	Weight each	Order Code IND-425
FC180110	M10 x 25mm	6.5	5	4	2.3	15g	**-2825D**
FC180616	M16 x 50mm	11.5	8	6	3.0	78g	**-2825R**

FC21 - Round Grip Pad

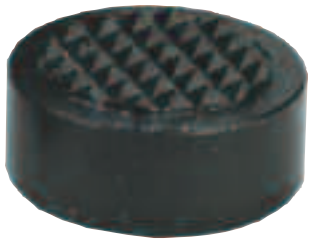
Multipurpose work support and clamping unit, ideal for rough parts.







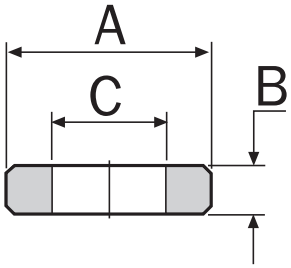
Material: Hardened Steel **EN16M**.
Hardness: HRC 60.
Surface finish: Black Oxide.



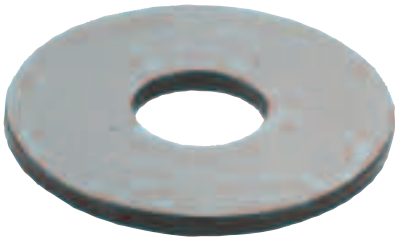
Product Number	Thread x Dia A x B	Dimensions (mm) C	D	E	F	Weight each	Order Code IND-425
FC210110	M5 x 10mm	3.4	10	2.3	8.1	5g	**-2840D**
FC210212	M6 x 12mm	4.0	12	3.0	9.6	8g	**-2840G**
FC210525	M6 x 25mm	4.0	12	3.0	19.5	40g	**-2840P**

FC22 - Spacer

For use with jig components for increasing height or extending length.

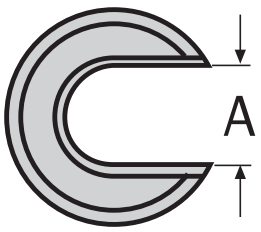


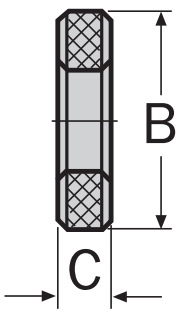
Material: Medium Carbon Steel.
Hardness: HRC 40.



Product Number	Dimensions (mm) A	B	C	Weight each	Order Code IND-425
FC220616	50	5	17	70g	**-2845P**
FC220716	50	10	17	350g	**-2845T**

FC23 - 'C' Washer





Material: Medium Carbon Steel.
Hardness: HRC 40.
Surface finish: Black Oxide.



Product Number	Dimensions (mm) A	B	C	Weight each	Order Code IND-425
CC010212	13	55	10	150g	**-2850G**

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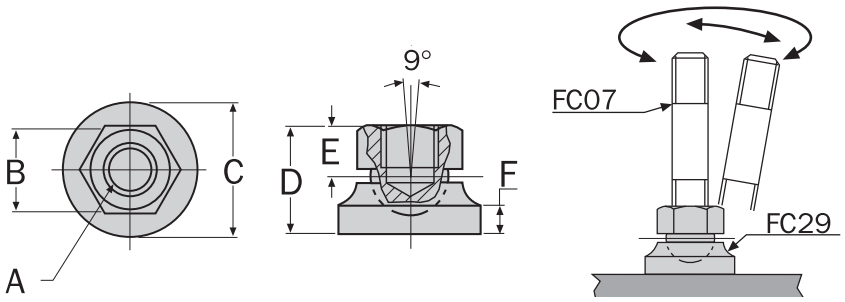
INDEXA FC29 - Swivel Foot

Used for supporting uneven surfaces.

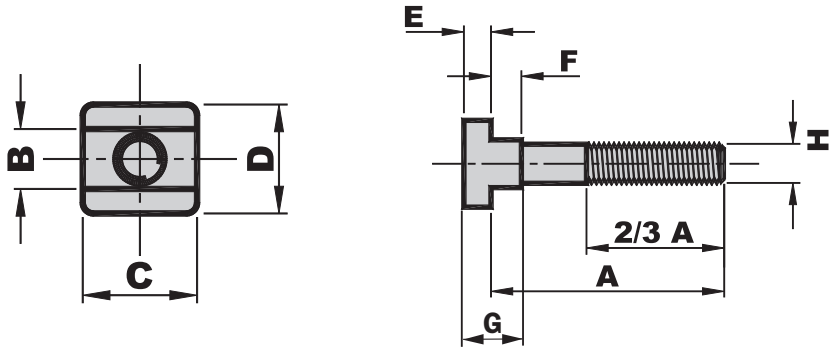


Material: Medium Carbon Steel.
Hardness: HRC 32 - 38.
Surface finish: Black Oxide.



Product Number	Size A	Dimensions (mm) B	C	D	E	F	Weight each	Order Code IND-425
FC290112	M12	19	35	24	11	7	80g	**-2870D**
FC290216	M16	24	40	29	13	8	150g	**-2870G**

FC40 - T-Slot Bolt



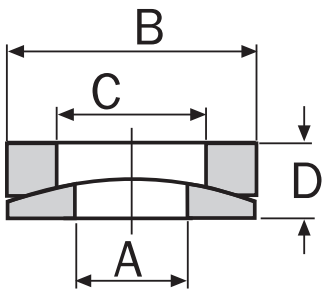
Material: Medium Carbon Steel.
Hardness: HRC 32 - 38.
Surface finish: Black Oxide.



Product Number	Dimensions (mm) A	B	C	D	E	F	G	H	Weight each	Order Code IND-425
FC40-1250	50								54g	**-2900D**
FC40-1275	75								57g	**-2900F**
FC40-12100	100								110g	**-2900H**
FC40-12125	125	12	26	22	7	6	13	M12	125g	**-2900K**
FC40-12150	150								140g	**-2900M**
FC40-12175	175								170g	**-2900P**
FC40-12200	200								185g	**-2900R**
FC40-1650	50								130g	**-2910D**
FC40-1675	75								160g	**-2910F**
FC40-16100	100								200g	**-2910H**
FC40-16125	125	16	32	27	8	8	16	M16	230g	**-2910K**
FC40-16150	150								270g	**-2910M**
FC40-16175	175								305g	**-2910P**
FC40-16200	200								325g	**-2910R**
FC40-2075	75								290g	**-2920F**
FC40-20100	100								350g	**-2920H**
FC40-20125	125	20	40	30	11	11	22	M20	400g	**-2920K**
FC40-20150	150								455g	**-2920M**
FC40-20175	175								505g	**-2920P**
FC40-20200	200								560g	**-2920R**
FC40-24150	150	24	50	44	16	15	31	M24	775g	**-2930M**
FC40-24200	200								925g	**-2930R**

FC25 - Spherical Washer Set

2 piece washer set that compensates whenever a stud and clamping surface are not exactly perpendicular.



Material: Medium Carbon Steel.
Hardness: HRC 38.
Surface finish: Black Oxide.



Product Number	Dimensions (mm) A	B	C	D	Weight each	Order Code IND-425
FC250112	13	26	15	7.5	20g	**-2860D**
FC250216	17	32	19	9.0	30g	**-2860G**
FC250320	21	40	23	12.0	50g	**-2860L**

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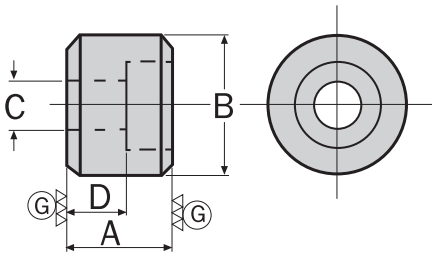
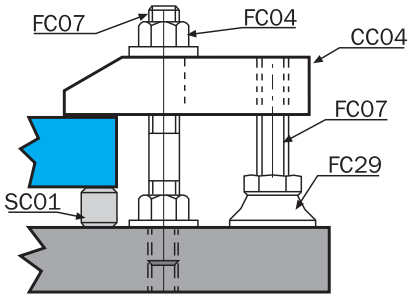
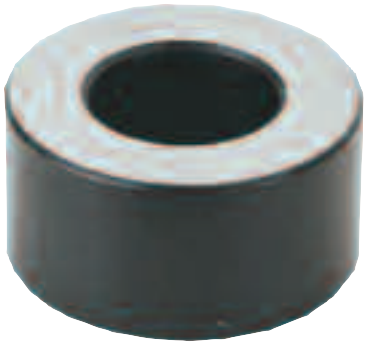
INDEXA SC01 - Support Spacer

Material: Medium Carbon Steel.
Hardness: HRC 40.
Surface finish: Black Oxide.



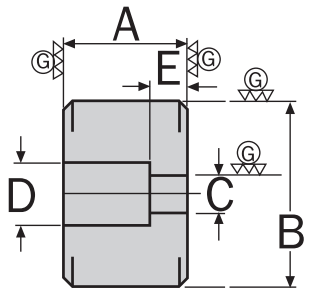


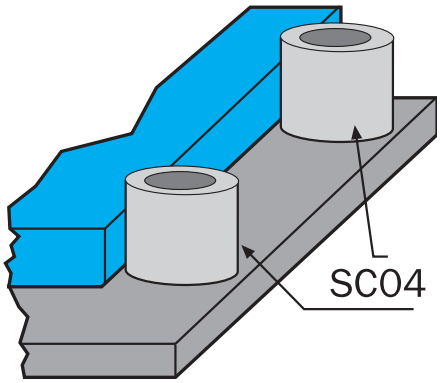


Product Number	Height x Diameter A (±0.01) x B	Dimensions (mm) C	D	Weight each	Order Code IND-425
SC010112	30 x 40mm	M12	17	240g	**-3005D**

SC04 - Location Collar

Material: Medium Carbon Steel.
Hardness: HRC 40.
Surface finish: Black Oxide.



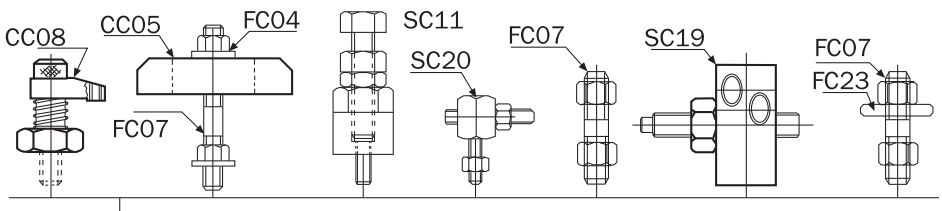


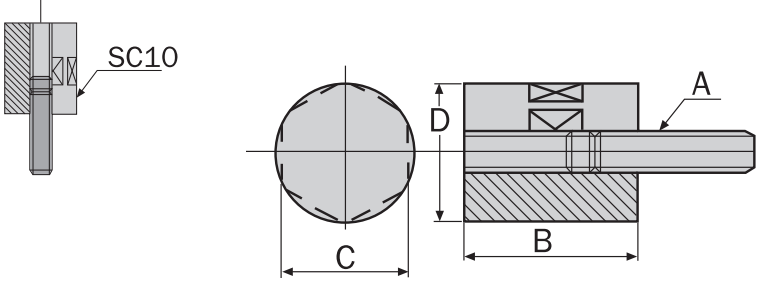


Product Number	Height x Diameter A (±0.01) x B (±0.01)	Dimensions (mm) C	D	E	Weight each	Order Code IND-425
SC040112	30 x 40mm	Ø 12	Ø 20	12	240g	**-3020D**
SC040212	40 x 40mm	Ø 12	Ø 20	12	320g	**-3020F**

SC10 - Extension Pillar

Material: Medium Carbon Steel.
Hardness: HRC 40.
Surface finish: Black Oxide.







Product Number	Height x Diameter A x B	Dimensions (mm) C	D	Weight each	Order Code IND-425
SC100265	M12 x 65	36	40	540g	**-3050F**
SC100450	M16 x 50	46	50	820g	**-3050J**

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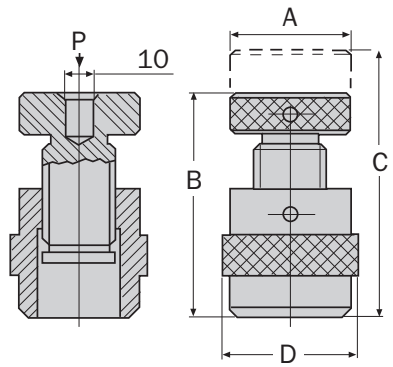
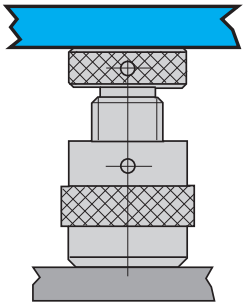
INDEXA SC11A - Screw Jack

Material: Medium Carbon Steel.
Hardness: HRC 40.
Surface finish: Black Oxide.



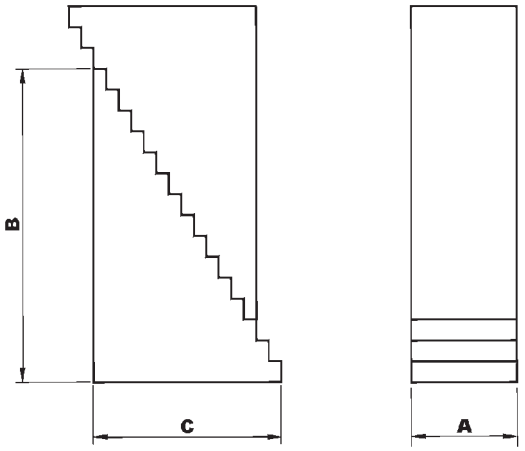


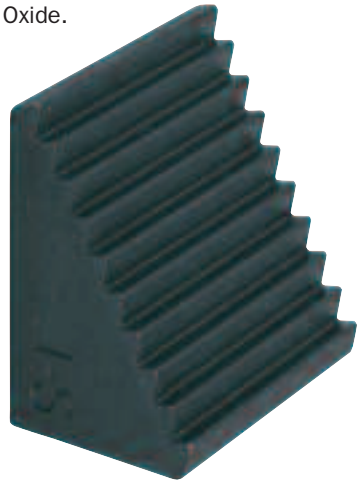


Product Number	Diameter x Height A x B (Min)	Dimensions (mm) C	D	Holding Load (kN)	Weight each	Order Code IND-425
SC20032050	32 x 40mm	60	32	72	230g	**-3057D**
SC20070140	65 x 100mm	150	70	135	274g	**-3057P**

SU25 - Step Block

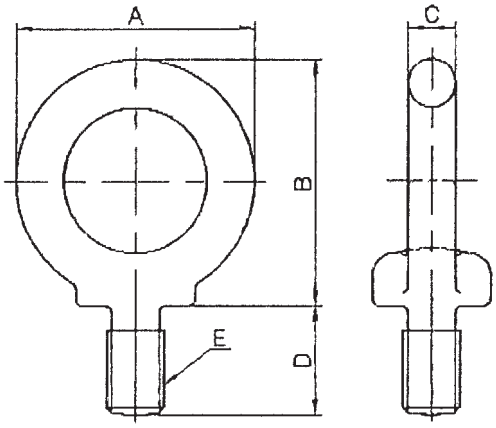
Material: Medium Carbon Steel.
Hardness: HRC 32 - 36.
Surface finish:
Black Oxide.





Product Number	Supporting Height	Dimensions (mm) A	B	C	Weight each	Order Code IND-425
SU252530	19 - 49		29	17	0.05kg	**-3125E**
SU252545	28 - 68	25	45	27	0.12kg	**-3125H**
SU252597	58 - 150		97.5	57	0.50kg	**-3125L**
SU253259	38 - 90		59	35	0.24kg	**-3132J**
SU253297	58 - 150	32	97.5	57	0.62kg	**-3132L**
SU2532139	82 - 210		139	81	1.32kg	**-3132P**

SEB - Shoulder Eye Bolt





Product Number	Thread (E)	Dimensions (mm) A	B	C	D	Load	Weight each	Order Code IND-425
SEB1017	M10	41	41.5	8	18	150kg	0.063kg	**-3210S**
SEB1220	M12	50	51	10	22	220kg	0.125kg	**-3212S**
SEB1525	M16	60	60	12.5	27	450kg	0.216kg	**-3216S**
SEB2030	M20	72	71	16	30	630kg	0.4kg	**-3220S**

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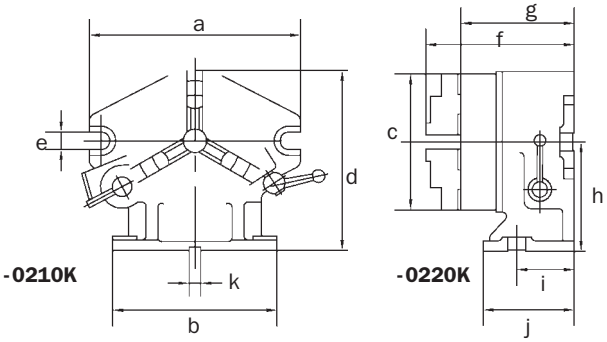
INDEXA Horizontal & Vertical Index Unit Chucks

Ideal for indexing items to be machined in pre-set or manually set incremental angles. Indexing accuracy 25 seconds. Angular indexing through the graduation ring from 0 to 360 degrees in 1 degree increments. Basic indexing by means of a catch device permitting divisions of 2, 3, 4, 6, 8, 12 and 24 without disassembly. Fitted with standard three jaw self-centring scroll chuck with two sets of jaws, for inside and outside gripping.





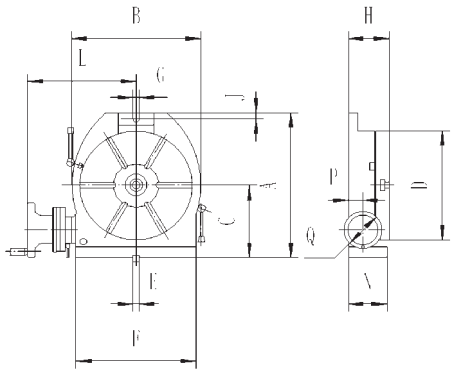
Chuck Diameter	Dimensions (mm) A	B	C	D	E	F	G	H	I	J	K	Weight each	Order Code IND-437
167mm	260	220	167	220.00	18	197.5	155.5	130.00	70	130	16	17.8kg	**-0210K**
220mm	310	255	210	255.25	18	214.0	171.5	149.25	80	150	16	94.0kg	**-0220K**

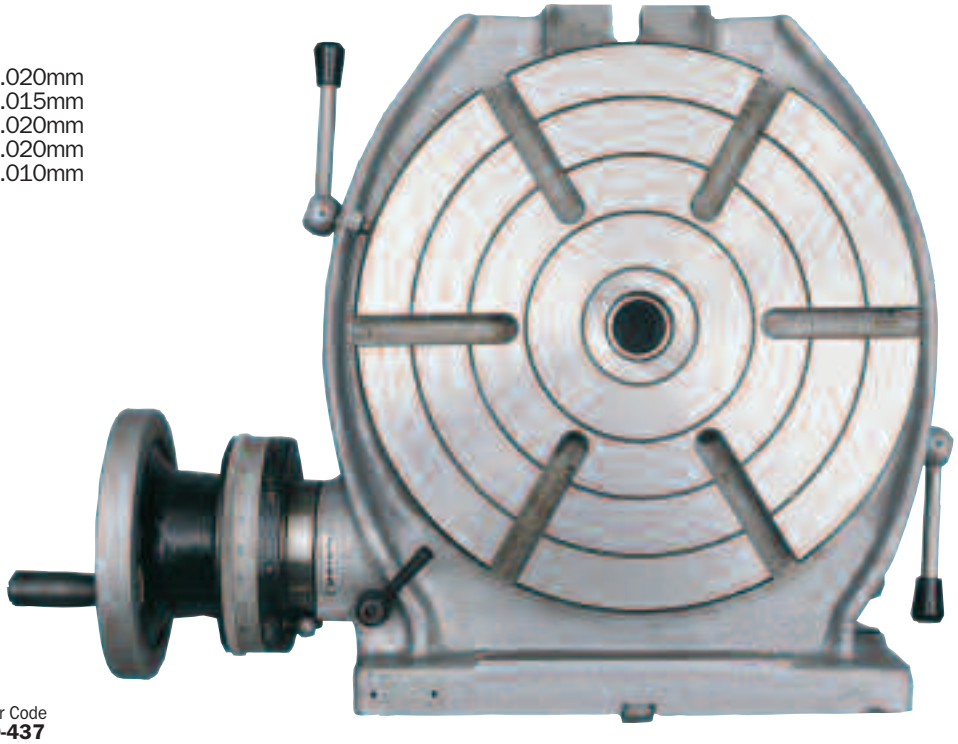
Type SOPP Horizontal & Vertical Rotary Tables

With a disengageable worm gear which allows rapid indexing. One rotation of handle equals four degrees on collar. The table is made of high grade cast iron. Works as an indexing unit in the vertical position as well as a conventional rotary table for circular cutting, boring or angle setting, etc. Optional dividing plates are available separately.

Accuracy:

Parallelism of clamping surface to base:	0.020mm
Flatness of clamping surface:	0.015mm
True running cylindrical centre bore:	0.020mm
True running of tapered centre bore:	0.020mm
Squareness of clamping surface to centre slot:	0.010mm





Optional Extras

Description	Order Code IND-437
Dividing Plate for INDEXA Rotary Tables	**-1000K**

Rotary Tables

Diameter D	Max. Capacity C	Centre Hole M	Dimensions (mm) A	B	E	F	G	H	J	L	N	P	Q	No. of T-slots	Weight each	Order Code IND-437
200mm	150	3 MT	285	236	14	208	14	100	15	211	99	48	125	4	42kg	**-0500K**
250mm	170	3 MT	328	286	14	253	14	110	16	241	106	48	125	6	57kg	**-0510K**
320mm	210	4 MT	410	360	18	320	18	120	16	273	118	48	140	6	92kg	**-0520K**

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KENNEDY Clamping Keyless Drill Chuck

Allows quick tool change, while maintaining high precision and high concentricity. Fully hardened jaws, sleeve and retaining ring for durability and wear resistance. Self-tightening.



Capacity (mm)	Mount	Maximum Diameter	Weight each	Order Code KEN-440
4.0	1JT	28.0	150g	**-3010K**
8.0	1JT	38.0	440g	**-3110K**
10.0	2JT	43.0	720g	**-3220K**
13.0	2JT	50.0	1000g	**-3320K**
13.0	6JT	50.0	1000g	**-3340K**
16.0	6JT	55.0	1200g	**-3440K**

Clamping Industrial Keyless Drill Chuck

Fully hardened and ground working parts. The jaws are centre ground for alignment concentricity. Robustly designed for durability and wear resistance in the most arduous of industrial applications on stationary drilling machines. Unsuitable for reversing drills.



Capacity (mm)	Mount	Maximum Diameter	Weight each	Order Code KEN-440
10.0	DIN-B12	42.5	670g	**-5220K**
13.0	6JT	46.0	920g	**-4240K**
13.0	½" - 20F	46.0	660g	**-4280K**
16.0	6JT	51.0	1100g	**-4340K**
16.0	DIN-B16	51.0	1090g	**-5300K**

KOBE Drill Chuck

Fully hardened and ground for durability and wear resistance. Suitable for use with portable power tools.



Capacity (mm)	Mount	Order Code KBE-440
1.5 - 13.0	⅜" - 24F	**-2020B**
1.5 - 13.0	½" - 20F	**-2030C**

Drill Chuck

For use with portable power tools. Female mount. Supplied with key. UNF keyed chuck, hardened and ground for durability and wear resistance. For use with reversible drills. Excellent value for money.



Capacity (mm)	Mount	Weight each	Order Code KBE-440
1.0 - 10.0	⅜" - 24F	135g	**-1010A**
1.5 - 13.0	⅜" - 24F	270g	**-1020B**
1.5 - 13.0	½" - 20F	270g	**-1030C**

KENNEDY Standard Duty Industrial Keyed Drill Chuck

Fully hardened and ground for durability and wear resistance. Suitable for use with portable power tools. Supplied with key.

Manufactured to **DIN 6349**.

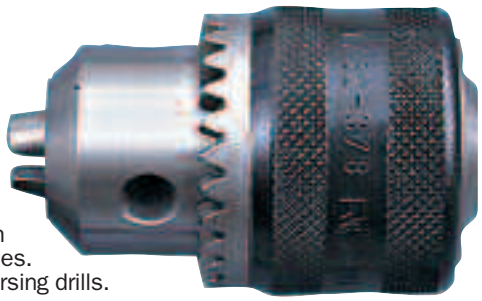


*Primarily for use with hand operated machines

Capacity (mm)	Mounting	Maximum Diameter	Weight each	Order Code KEN-440
0.8 - 10.0	⅜" x 24F	34.0	240g	**-2360K**
0.8 - 10.0*	½" x 20F	34.0	220g	**-2380K**
1.5 - 13.0	⅜" x 24F	42.7	390g	**-2460K**
1.5 - 13.0	½" x 20F	42.7	390g	**-2480K**

Heavy Duty Industrial Keyed Drill Chuck

Fully hardened and ground working parts. The jaws are centre ground for alignment and concentricity. Key holes and teeth are fully hardened for durability and wear resistance. To correctly tighten your keyed drill chuck use all key holes in turn to guarantee even pressure and maximum grip. Suitable for use on machine tools and all types of industrial power tools. Supplied with key. Manufactured to **DIN 6349**.



* Primarily for use with hand operated machines.
† Not suitable for reversing drills.

Capacity (mm)	Mounting	Maximum Diameter	Weight each	Order Code KEN-440
0.5 - 6.5	1JT	30.0	140g	**-1110K**
0.5 - 6.5	⅜"-24F †	30.0	140g	**-1160K**
1.0 - 10.0	2JT	42.7	430g	**-1320K**
0.8 - 10.0	DIN-B12	42.7	400g	**-5020K**
1.0 - 13.0	6JT	52.0	730g	**-1440K**
1.0 - 13.0	33JT	52.0	740g	**-1450K**
1.5 - 13.0	DIN-B12	52.7	750g	**-5060K**
1.0 - 13.0	DIN-B16	52.7	780g	**-5080K**
1.0 - 16.0	3JT	56.5	970g	**-1530K**
1.5 - 13.0	½"-20F	42.8	270g	**-4640K**
1.5 - 13.0	⅜"-24F †	42.5	420g	**-1460K**
1.5 - 13.0	½"-20F †	46.0	530g	**-1480K**
3.0 - 16.0	DIN-B16	56.5	890g	**-5100K**
3.0 - 16.0*	½"-20F †	50.0	610g	**-1580K**
5.0 - 20.0	3JT	65.0	1300g	**-1630K**

Keyless Drill Chuck

Designed for use on cordless screwdrivers, cordless and corded drills. Unique gripping mechanism engages automatically when tightened. Fully hardened and ground jaws protect against work surface abrasion. Through drilled for use on reversible drills.



Capacity (mm)	Mount	Order Code KEN-440
1.5 - 13	½" - 20F	**-4740K**
1.5 - 13	⅜" - 24F	**-4760K**

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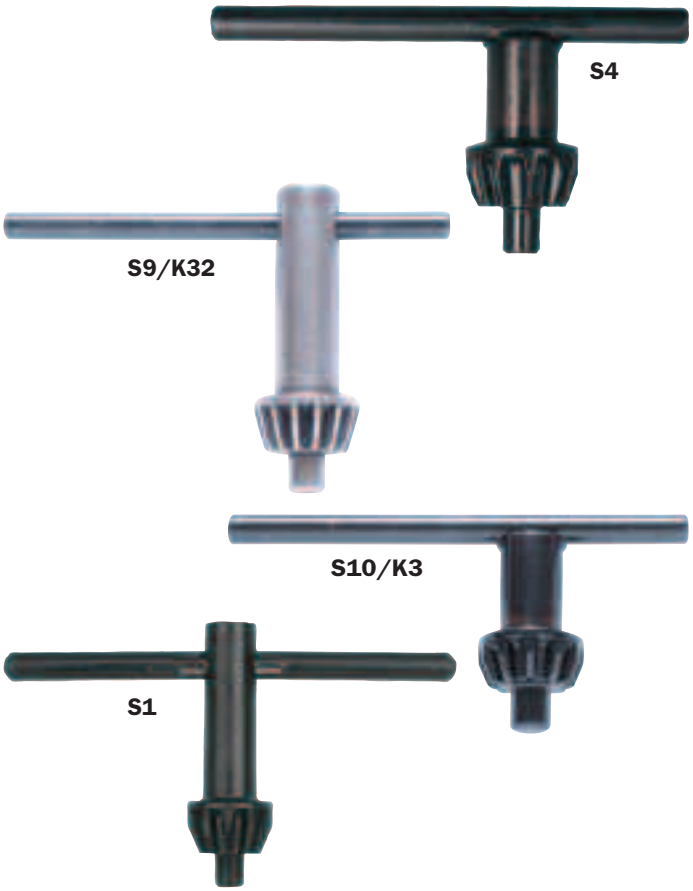
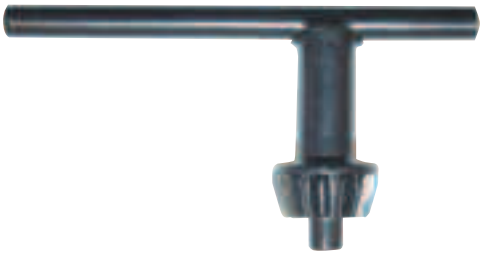
KENNEDY Chuck Keys

Suitable for use with all industrial keyed chucks (including Rohm* and Jacobs).



Ref No.	For Use With Chuck Number	Jacobs Equivalent	Weight each	Order Code KEN-441
S1	440-106/111/ 116 & 226 *4, 6, 6M & 8M	-	20g	**-0020K**
S2	440-132/136/138/ 139/146/148/236/ 237/238/246/247/ 248 & all Supercraft Chucks *10S, 10, 10M, 13S & 13M	K8/10	50g	**-0040K**
S3	440-142/144/145/ 153 & 158	-	70g	**-0060K**
S4	440-163 *20 & 26	-	160g	**-0080K**
S7	1 Series	K1	20g	**-0140K**
S8	31 Series & 8½N	K30S	50g	**-0160K**
S9	32 & 33 Series, 11N	K32	60g	**-0180K**
S13	36 Series, 16, 18N	K4	150g	**-0260K**
S14	¼", 5/16", 3/8" Multicraft	KG	20g	**-0280K**
S18	7 Series	K7	30g	**-0360K**
S10	3 & 6 Series, 14N	K3	90g	**-0400K**
K2	2 Series	K2	40g	**-1020K**

KOBE Chuck Keys

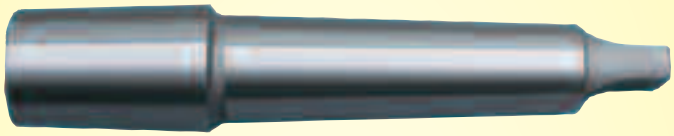


Model Number	To Suit Drill Chuck	Weight each	Order Code KBE-441
10043KG	10mm	40g	**-2010A**
10038KK	13mm	50g	**-2020B**

KENNEDY Industrial Drill Chuck Arbors

Precision machined, fully hardened and ground to give maximum surface contact.

Morse Taper Drive to Jacobs Taper



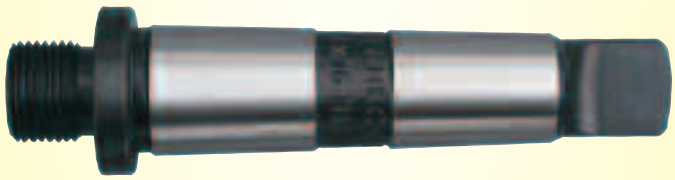
Description	Overall Length	Weight each	Order Code KEN-442
No.1 MT x 1JT	90mm	70g	**-9110K**
No.1 MT x 2JT	95mm	80g	**-9120K**
No.1 MT x 6JT	96mm	100g	**-9160K**
No.1 MT x 33JT	95mm	90g	**-9190K**
No.2 MT x 1JT	100mm	150g	**-9210K**
No.2 MT x 2JT	105mm	160g	**-9220K**
No.2 MT x 3JT	115mm	220g	**-9230K**
No.2 MT x 6JT	110mm	180g	**-9260K**
No.2 MT x 33JT	110mm	180g	**-9290K**
No.3 MT x 1JT	120mm	310g	**-9310K**
No.3 MT x 2JT	125mm	330g	**-9320K**
No.3 MT x 3JT	135mm	380g	**-9330K**
No.3 MT x 4JT	145mm	520g	**-9340K**
No.3 MT x 5JT	150mm	680g	**-9350K**
No.3 MT x 6JT	130mm	340g	**-9360K**
No.3 MT x 33JT	125mm	340g	**-9390K**
No.4 MT x 2JT	135mm	700g	**-9420K**
No.4 MT x 3JT	160mm	730g	**-9430K**
No.4 MT x 4JT	170mm	860g	**-9440K**
No.4 MT x 5JT	175mm	1000g	**-9450K**
No.4 MT x 6JT	155mm	690g	**-9460K**
No.4 MT x 33JT	155mm	680g	**-9490K**
No.5 MT x 3JT	190mm	1700g	**-9530K**
No.5 MT x 5JT	210mm	1900g	**-9550K**

Bridgeport Drive to Jacobs Taper



Description	Overall Length	Weight each	Order Code KEN-442
R8 x 1JT	130mm	420g	**-9610K**
R8 x 2JT	135mm	440g	**-9620K**
R8 x 3JT	145mm	510g	**-9630K**
R8 x 6JT	135mm	450g	**-9660K**
R8 x 33JT	135mm	460g	**-9690K**

Morse Taper Drive to Threaded



Description	Overall Length	Weight each	Order Code KEN-442
No.1 MT ½ x 20	92mm	100g	**-1120K**
No.1 MT 3/8 x 24	95mm	80g	**-1380K**
No.2 MT ½ x 20	105mm	170g	**-2120K**
No.2 MT 3/8 x 24	105mm	170g	**-2380K**
No.2 MT 5/8 x 16	105mm	180g	**-2580K**
No.3 MT ½ x 20	125mm	360g	**-3120K**
No.3 MT 5/8 x 16	125mm	370g	**-3580K**

KD Type - Morse Taper Shank to Din Taper Arbors

Fully hardened and ground Morse Taper to **DIN 228**.
Chuck taper to **DIN 238**.



Morse Taper	Chuck Taper	Overall Length	Order Code KEN-442
No.2 MT	B12	106.5mm	**-5220K**
No.2 MT	B16	111.5mm	**-5260K**
No.3 MT	B12	125.0mm	**-5320K**
No.3 MT	B16	134.0mm	**-5360K**
No.4 MT	B16	159.0mm	**-5420K**
No.4 MT	B22	176.0mm	**-5460K**

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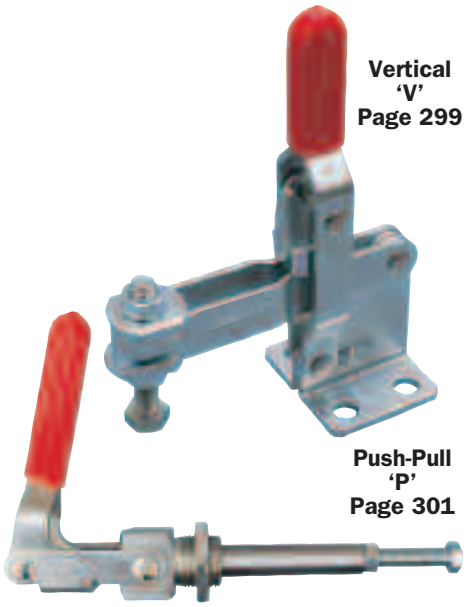
INDEXA

Indexa-Seiki fixed grip toggle clamps form a complete range suitable for countless applications including holding components in jigs and fixtures, clamping loads etc.



Vertical 'V' Page 299

Push-Pull 'P' Page 301

Selection - Clamp Type

Vertical
For general application in automotive and other heavy industries where trouble free life and robust construction are required. Force applied downward, 90° to bar.

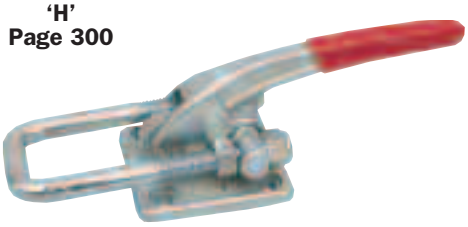
Horizontal
For general application in areas where a lower profile and unobstructiveness are required. Force applied downward, 90° to bar.

Push-Pull
Clamps lock in extended and retracted positions. Force applied in line with spindle (straight line action).

Latch
Suitable for applications such as sealing chamber doors, lids of mould closures. Latch bolts are threaded to allow easy adjustment.



Horizontal 'H' Page 300



Latch 'L' Page 300

Selection by Product Number

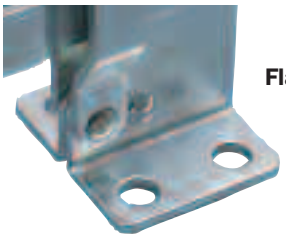
V 227 S A

Clamp Type
V = Vertical
H = Horizontal
P = Push-Pull
L = Latch

Holding Force
Expressed in KG
(1kg = 2.2lb)

Base Type
F = Flanged
S = Straight
(except push-pull)

Bar/Spindle Type
A = U-Bar (adjustable)
F = Fixed Spindle
S = Solid Bar (except push-pull)
J = J Hook (latch type)
U = U Hook (latch type)
U90 = 90°U Hook (latch type)



Flanged 'F'

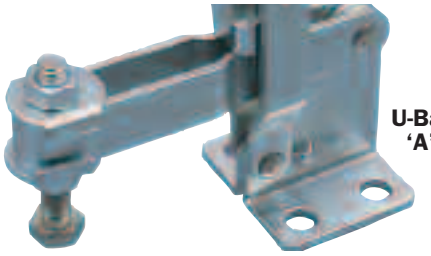
Selection - Base Type

Flanged
Suitable for bolting or welding the clamp on to a flat surface.

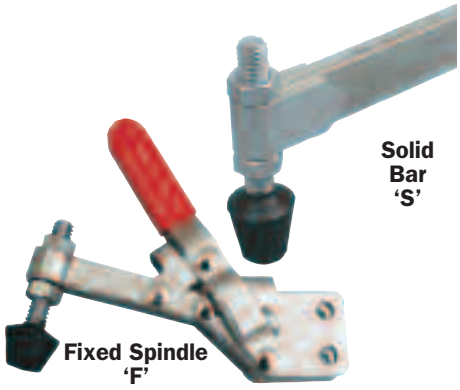
Straight
Suitable for mounting on to an outside face or edge of workpiece.



Straight 'S'



U-Bar 'A'



Solid Bar 'S'

Fixed Spindle 'F'

Selection - Bar/Spindle Type

U-Bar
Clamping spindle can be adjusted along length of bar.

Fixed Spindle
Clamping spindle is in a fixed position on the arm.

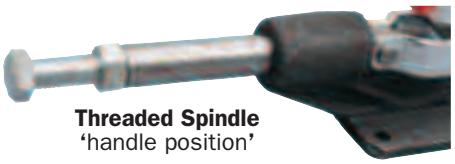
Solid Bar
Clamping spindle and retainer are supplied loose to allow the arm to be cut to length and welded in desired position.

Threaded Spindle
Used for push-pull type of clamp.

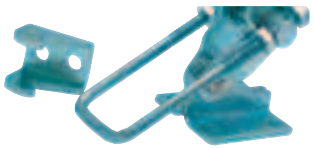
U-Hook
Threaded for easy adjustment.

J-Hook
Locks directly regardless of angle of hook.

90° U Hook
Locks at 90° to clamp.



Threaded Spindle 'handle position'



U-Hook 'U'



90° U-Hook 'U90'



J-Hook 'J'

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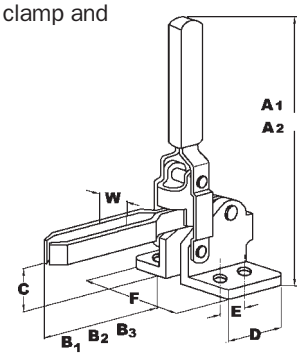
INDEXA Vertical Industrial Toggle Clamp

Designed to improve performance in fabrication and engineering clamping applications. The rapid clamping/unclamping made possible by the use of toggle clamps can greatly reduce machine/operator 'down-time' during all stages of production.

Clamping Capacity - the forces stated are the maximum loads that can be applied without causing permanent deformation. Due to leverage ratios, the holding capacity will be greatest at the point on the bar nearest to the handle of the clamp and forces stated have been achieved at this point.



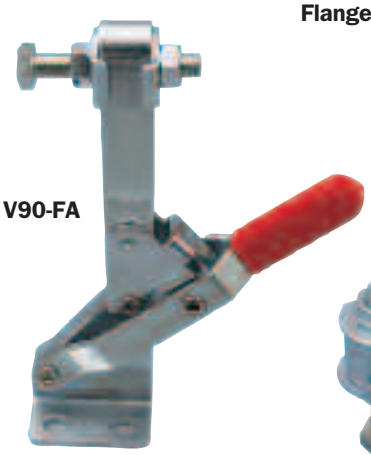
Vertical Clamp Dimensions (mm)

Holding Capacity	A1 Flanged Base	A2 Straight Base	B1 Adj. Bar	B2 Fixed Bar	B3 Solid Bar	C Flanged Base	D	E	F Flanged Base	W
50kg	75.0	83.8	24.5	–	–	19.0	25.4	15.9	33.3	5.2
90kg	95.2	107.1	33.2	33.2	–	23.0	25.4	12.7	39.7	6.4
150kg	139.0	160.0	63.0	–	–	38.0	43.0	33.0	50.0	11.0
227kg	139.7	154.0	71.4	–	57.2	31.8	34.9	31.8	46.0	8.3
300kg	285.0	330.0	120.0	–	–	50.0	60.0	30.0	77.0	13.5
450kg	225.4	257.5	125.4	–	–	50.8	50.8	31.8	64.2	13.5
550kg	304.8	352.4	153.0	–	153.0	82.6	76.2	50.8	95.2	16.7

'U' Bar (Adjustable) Type

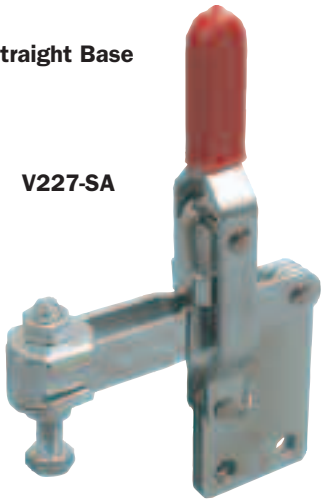
Flanged Base

Straight Base



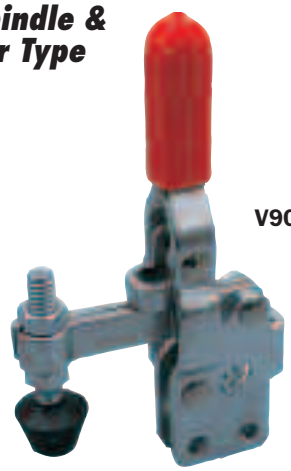




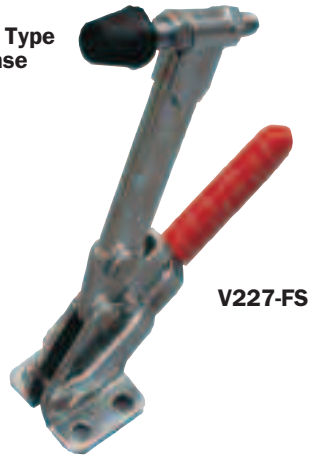


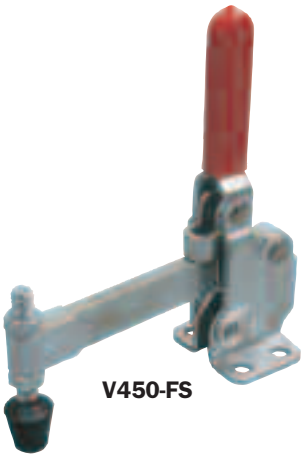
Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied With	Weight each	Order Code IND-443
V50-FA	50kg	56°	100°	Flanged	Tipped Spindle (No.10) and Flanged Washer	60g	**-1020K**
V90-FA	90kg	60°	100°		Spindle (1/4") and Flanged Washer		**-1220K**
V150-FA	150kg	45°	94°		Hex Head Spindle (M8) and Bolt Retainer	320g	**-1320K**
V227-FA	227kg	60°	100°		Tipped Spindle (5/16") and Flanged Washer	355g	**-1420K**
V300-FA	300kg	67°	140°		Hex Head Spindle (M10)	1250g	**-1620K**
V450-FA	450kg	70°	135°		Hex Head Spindle (1/2") and Flanged Washer	1140g	**-1720K**
V550-FA	550kg	60°	140°		Hex Head Spindle (5/8") and Flanged Washer	2540g	**-1920K**
V340-FA	340kg	58°	105°		Tipped Spindle (3/8") and Flanged Washer	635g	**-1590K**
V90-SA	90kg	60°	100°	Straight	Spindle (1/4") and Flanged Washer	170g	**-1270K**
V150-SA	150kg	45°	94°		Hex Head Spindle (M8) and Bolt Retainer	320g	**-1370K**
V227-SA	227kg	60°	100°		Tipped Spindle (5/16") and Flanged Washer	355g	**-1470K**
V450-SA	450kg	70°	135°		Hex Head Spindle (5/8") and Flanged Washer	1250g	**-1770K**

Fixed Spindle & Solid Bar Type



Fixed Spindle Type Straight Base





Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied With	Weight each	Order Code IND-443
V100-FF	90kg	60°	100°	Flanged	Fixed Spindle (1/4")	170g	**-1120K**
V90-SF	90kg	60°	100°	Straight	Fixed Spindle (1/4")	170g	**-1170K**
V227-FS	227kg	60°	100°		Solid Bar Hex Head (5/16") and Bolt Retainer*	340g	**-1520K**
V450-FS	450kg	70°	135°	Flanged	Solid Bar Hex Head Spindle (1/2") and Bolt Retainer*	1250g	**-1820K**
V550-FS	550kg	60°	140°		Solid Bar Hex Head Spindle (5/8") and Bolt Retainer*	2540g	**-1940K**
V227-SS	227kg	60°	100°	Straight	Solid Bar Tipped Spindle (5/16") and Bolt Retainer*	340g	**-1570K**
V450-SS	450kg	70°	135°		Solid Bar Hex Head Spindle (5/8") and Bolt Retainer*	1250g	**-1870K**

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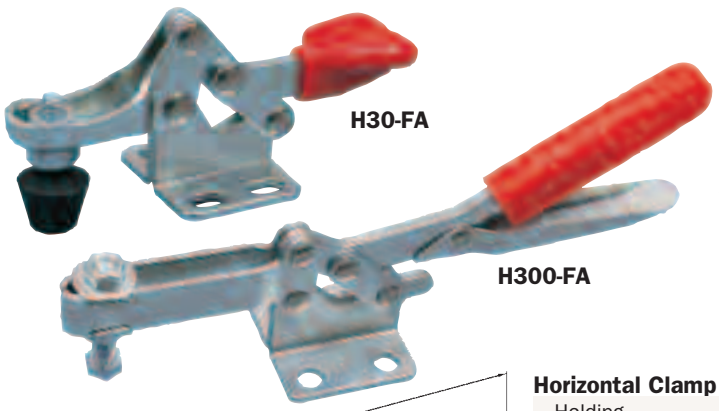
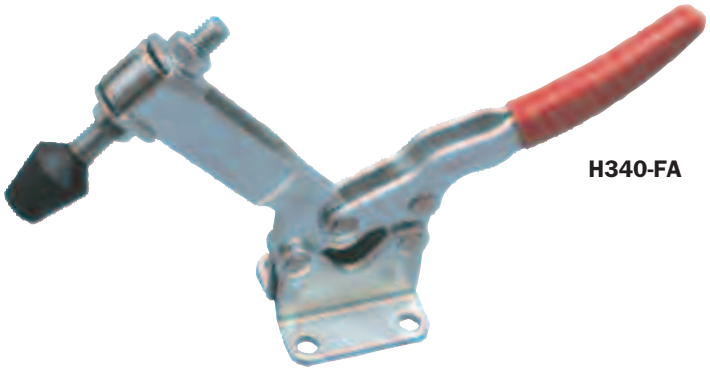
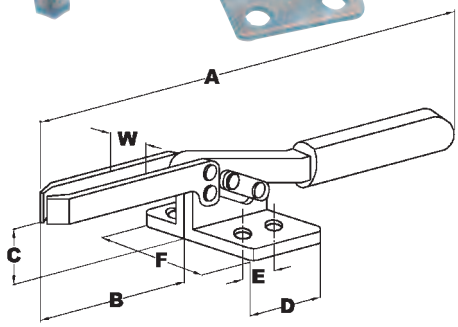
GROUP **443** TOGGLE CLAMPS

INDEXA *Horizontal Industrial Toggle Clamp*

With a low profile design suitable for use in applications requiring increased access to the actual workpiece. Available in eight sizes for general application in areas where a lower profile is required. Force applied downwards 90° to bar.







Horizontal Clamp Dimensions (mm)

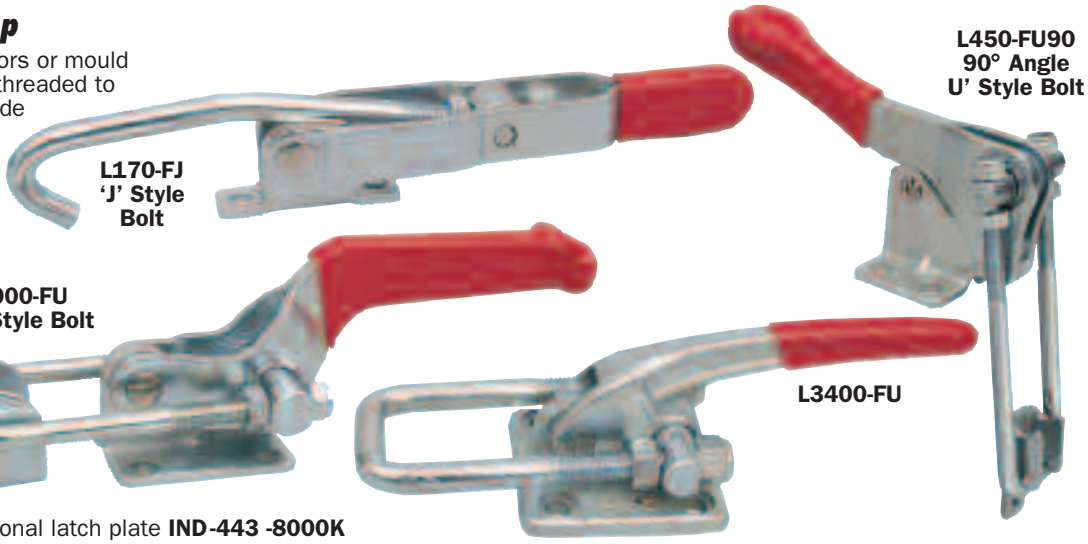
Holding Capacity	A	B	C	D	E	F	W
30kg	76.5	28.0	12.5	24.0	11.5	28.5	8.5
90kg	138.0	55.0	25.4	37.0	25.4	36.0	7.4
227kg	168.0	70.0	34.9	38.0	25.4	35.0	8.3
300kg	270.0	85.0	36.5	58.0	34.0	60.0	11.0
340kg	262.0	107.5	46.9	57.1	41.3	57.2	11.0
400kg	240.0	60.0	54.0	70.0	42.0	50.0	12.6
500kg	270.0	91.2	38.0	58.0	37.0	70.0	11.0
636kg	272.0	76.2	51.0	90.0		48.0	12.7

Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied with	Weight each	Order Code IND-443
H65-FA	75kg	76°	94°		Hex Head Spindle (M5) Moulded PVC Handles	100g	**-1960K**
H86-FA	150kg	76°	94°		Hex Head Spindle (M6) Moulded PVC Handles	230g	**-1970K**
H217-FA	250kg	76°	94°		Hex Head Spindle (M8) Moulded PVC Handles	430g	**-1980K**
H30-FA	30kg	88°	80°		Tipped Spindle (M4)	40g	**-2020K**
H90-FA	90kg	60°	85°		Tipped Spindle (1/4") and Flanged Washer	130g	**-2120K**
H227-FA	227kg	65°	90°	Flanged	Tipped Spindle (5/16") and Flanged Washer	255g	**-2220K**
H300-FA	300kg	85°	80°		Hexagon Head Spindle (3/8") and Flanged Washer	490g	**-2320K**
H340-FA	340kg	50°	85°		Tipped Spindle (3/8") and Flanged Washer	640g	**-2420K**
H400-FA	400kg	85°	84°		Tipped Spindle (3/8") and Flanged Washer	600g	**-2520K**
H500-FA	500kg	85°	65°		Hexagon Head Spindle (M10) and Flanged Washer	450g	**-2620K**
H636-FA	636kg	94°	91°		Hexagon Head Spindle (1/2") and Flanged Washer**	1220g	**-2720K**

**Single mounting centre hole 13mm diameter for 'Tee' bolt mounting

Latch Type Toggle Clamp

Suitable for sealing chamber doors or mould closures. The latched bolts are threaded to allow easy adjustment and provide positive connection with latch plate.





*Optional latch plate **IND-443 -8000K**

Product Number	Holding Capacity	Drawing Movement	Drawing Adjust	Base Type	Description	Weight each	Order Code IND-443
L164-FU	164kg	30mm	9.9mm		U-Style Bolt	80g	**-4070K**
L318-FU	318kg	45mm	9.6mm		U-Style Bolt	225g	**-4010K**
L900-FU	900kg	80mm	23.8mm	Flanged	U-Style Bolt	680g	**-4130K**
L1818-FU	1818kg	88.9mm	19mm		U-Style Bolt*	1260g	**-4170K**
L3400-FU	3400kg	55.6mm	28.6mm		U-Style Bolt*	1480g	**-4210K**
L170-FJ	170kg	100mm	6.5mm		J-Style Bolt	270g	**-4030K**
L170-FJ	170kg	105mm	35mm	Flanged	J-Style Bolt	255g	**-4050K**
L340-FJ	340kg	140mm	40mm		J-Style Bolt	340g	**-4190K**
L225-FU90	225kg	25mm	15mm		90° Angle U-Style Bolt	113g	**-4090K**
L450-FU90	450kg	65mm	33mm	Flanged	90° Angle U-Style Bolt	250g	**-4110K**
L900-FU90	900kg	45mm	40mm		90° Angle U-Style Bolt	700g	**-4150K**

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INDEXA Push Pull Industrial Toggle Clamp

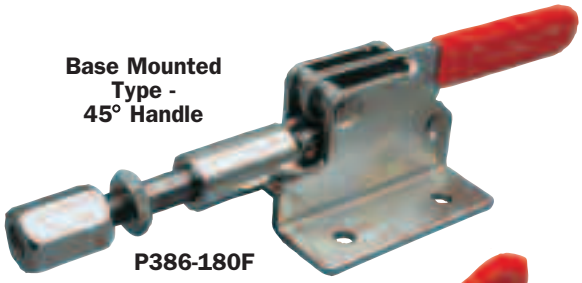
The straight line action which gives these plunger-style clamps extremely high loading capacities whilst maintaining compactness. These clamps also lock in the open position which allows a 'pull' to be exerted (for instance, in use with foam moulds). All models have tapped spindles for use with adjustable spindles.

Base Mounted Type (Flanged)



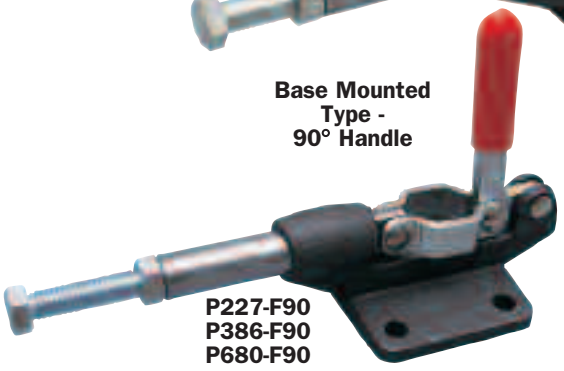
Base Mounted Type - 45° Handle

P227-F45
P386-F45
P680-F45



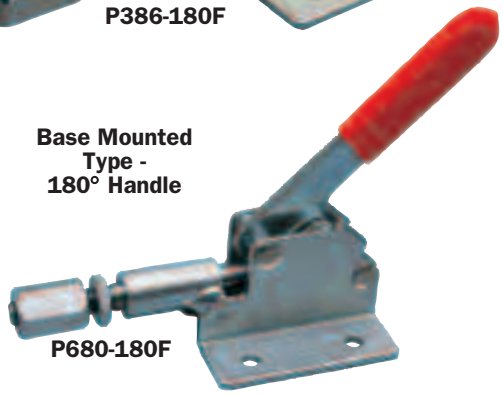
Base Mounted Type - 45° Handle

P386-180F



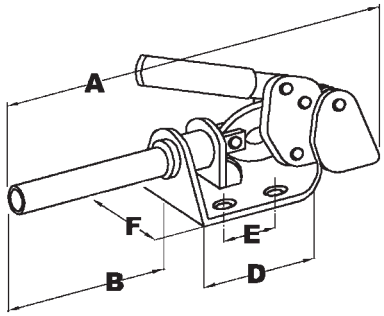
Base Mounted Type - 90° Handle

P227-F90
P386-F90
P680-F90



Base Mounted Type - 180° Handle

P680-180F

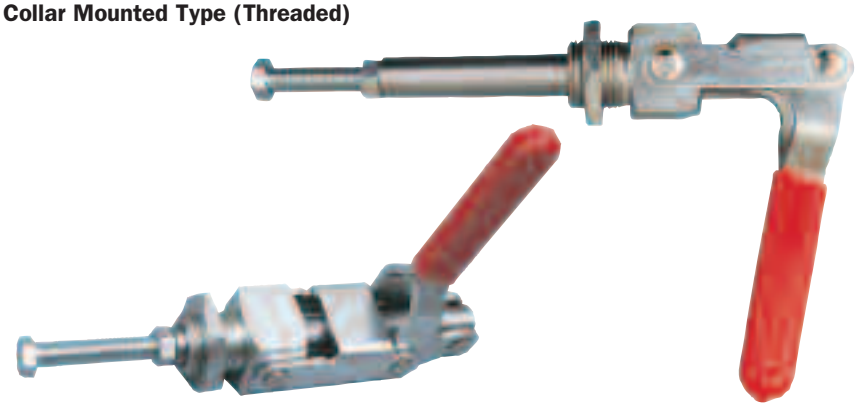


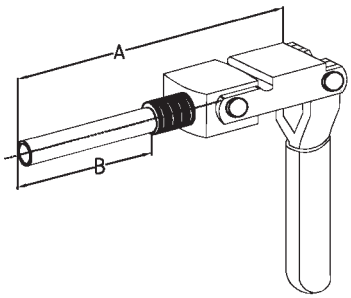
Dimensions (mm)

Holding Capacity	A – Excluding Handle	B	C	D	E	F
45kg	72.2	38.9	9.5	33.3	15.0	27.0
50kg	71.9	16.9	13.0	49.0	24.0	42.0
136kg	138.0	47.0	24.6	48.0	35.0	56.0
160kg	146.0	76.0	15.5	70.0	40.0	72.0
200kg	124.5	41.5	14.0	48.0	40.0	50.0
227kg	125.4	52.4	19.0	52.4	35.0	57.2
295kg	204.0	112.0	17.7	92.0	60.0	83.0
386kg	158.8	81.0	23.8	58.8	41.4	57.2
680kg	238.2	120.8	35.0	73.2	50.8	71.4
1136kg	178.6	50.8	12.5	127.8	34.9	56.2
1136kg	178.6	50.8	12.5	127.8	41.3 (6 holes)	56.2
1600kg	310.0	87.0	47.0	227.0	80.0	107.0

Product Number	Holding Capacity	Spindle Thread	Handle Movement	Handle Position	Base Type	Supplied With	Weight each	Order Code IND-443
P45-F45	45kg	1/4" UNC x 12 Deep	190°	45° Extended	Flanged	Nylon Spindle	50g	**-3030K**
P136-F45	136kg	M8	180°			Hexagon Head Spindle	300g	**-3060K**
P200-F45	180kg	M8 x 1.25	144.5°			Hexagon Head Spindle	345g	**-3090K**
P180-FA	180kg	M8 x 1.25	145°			Hexagon Head Spindle	35g	**-3100K**
P227-F45	227kg	M8	180°			Hexagon Head Spindle	340g	**-3120K**
P386-F45	386kg	M10	180°			Hexagon Head Spindle	580g	**-3180K**
P680-F45	680kg	M12	180°			Hexagon Head Spindle	1480g	**-3240K**
P1136-F45	1136kg	M10	180°			Hexagon Head Spindle	935g	**-3300K**
P227-F90	227kg	M8 x 30 Deep	180°	90° Extended	Flanged	Hexagon Head Spindle	340g	**-3150K**
P386-F90	386kg	M10 x 40 Deep	180°			Hexagon Head Spindle	580g	**-3210K**
P680-F90	680kg	M12 x 50 Deep	180°			Hexagon Head Spindle	1480g	**-3270K**
P50-180F	50kg	M5	66°	180° Extended	Flanged	Hexagon Head Spindle	100g	**-3700K**
P386-180F	160kg	M10	45°			Hexagon Head Spindle	454g	**-3730K**
P680-180F	295kg	1/2" UNC	45°			Hexagon Head Spindle	1270g	**-3760K**

Collar Mounted Type (Threaded)





Dimensions (mm)

Holding Capacity	A – Excluding Handle	B
91kg	30.3	20.6
136kg	115.0	37.7
318kg	169.5	65.3

Product Number	Holding Capacity	Spindle Thread	Collar Thread	Handle Movement	Base Type	Supplied with	Weight each	Order Code IND-443
P91-FT	91kg	1/4" UNC	M16	180°	Flanged	Nylon Spindle	113g	**-3530K**
P136-FT	136kg	5/16" UNC	M20	180°		Hexagon Head Spindle	270g	**-3560K**
P318-FT	318kg	3/8" UNC	M27	180°		Hexagon Head Spindle	690g	**-3590K**

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ATLAS WORKHOLDERS Vertical Industrial Toggle Clamp

Designed to improve performance in fabrication and engineering clamping applications. The rapid clamping/unclamping made possible by the use of toggle clamps can greatly reduce machine/operator 'down-time' during all stages of production.



AV200-FA

'U' Bar (Adjustable) Type with Flanged Base

AV217-FA

AV50-FA

'U' Bar (Adjustable) Type with Side Facing Flanged Base

AV90-FA



AV150-FA



AV450-FA

Fixed Spindle Type with Flanged Base

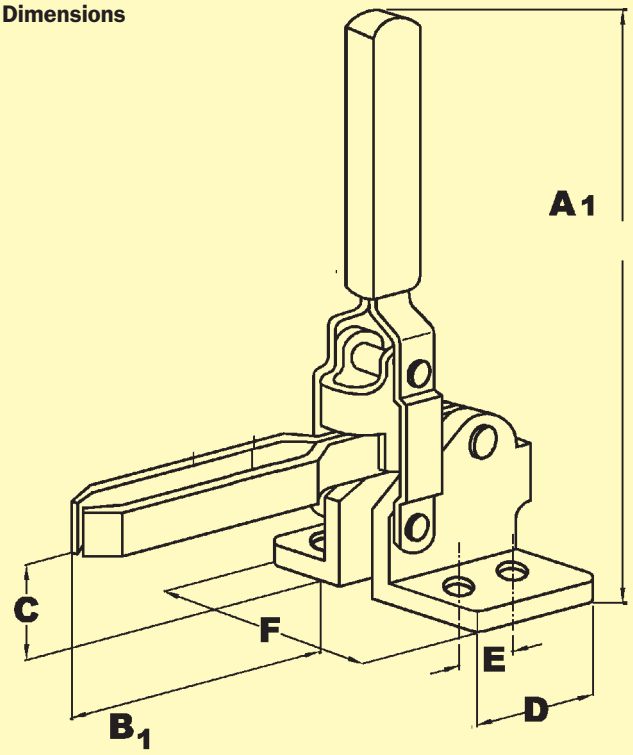
AV80-FF

Solid Bar Type with Flanged Base

AV217-FS



Dimensions



'U' Bar (Adjustable) Type with Flanged Base

Product Number	A_1 Flanged Base	B_1 Flanged Base	C Flanged Base	D	E	F Flanged Base
AV50-FA	75.0	24.5	19.0	25.4	15.9	39.7
AV90-FA	93.0	39.0	23.0	29.0	14.0	28.0
AV150-FA	143.0	44.0	31.0	19.0	12.7	42.0
AV200-FA	139.0	63.0	38.0	43.0	24.0	50.0
AV217-FA	139.7	71.4	31.8	34.9	19.0	46.0
AV450-FA	272.0	125.0	62.0	70.0	40.0	70.0

Fixed Spindle Type with Flanged Base

Product Number	A_1 Flanged Base	B_1 Flanged Base	C Flanged Base	D	E	F Flanged Base
AV80-FF	100.0	27.0	23.8	25.4	12.7	39.7
AV217-FS	139.7	57.2	31.8	34.9	19.0	46.0

'U' Bar (Adjustable) Type with Flanged Base

Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied With	Weight each	Order Code ATL-443
AV50-FA	50kg	56°	100°	Flanged	Tipped Spindle (M5) and Flanged Washers	60g	-1020K
AV90-FA**	90kg	60°	100°		Spindle (M6) and Bolt Retainer	115g	-1220K
AV150-FA	150kg	70°	108°		Hex Head Spindle (M6) Moulded PVC Handle	230g	-1970K
AV200-FA	200kg	45°	94°		Hex Head Spindle (M8) and Flanged Washers	370g	-1320K
AV217-FA	217kg	60°	100°		Tipped Spindle (M8) and Flanged Washers	310g	-1420K
AV450-FA	450kg	70°	135°		Hex Head Spindle (M12) and Flanged Washers	1220g	-1720K

** Model AV90-FA has Side Flange - All other FA models listed have Flat Flanges

Fixed Spindle Type with Flanged Base

Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied With	Weight each	Order Code ATL-443
AV80-FF	90kg	60°	100°	Flanged	Fixed Spindle (M8)	170g	-1120K
AV217-FS	217kg	60°	100°		Solid Bar and Bolt Retainer (M8)*	310g	-1520K

*Please note that the bolt retainer supplied needs to be welded in to position by the user

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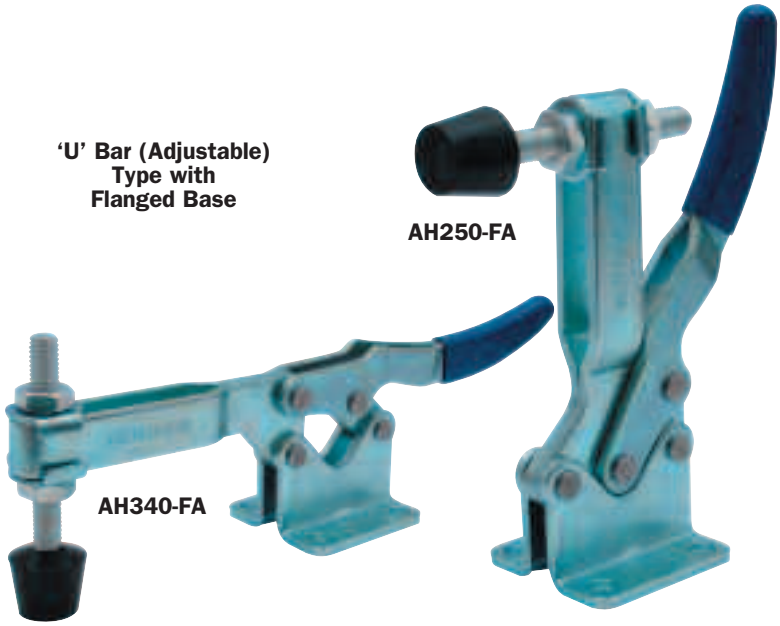
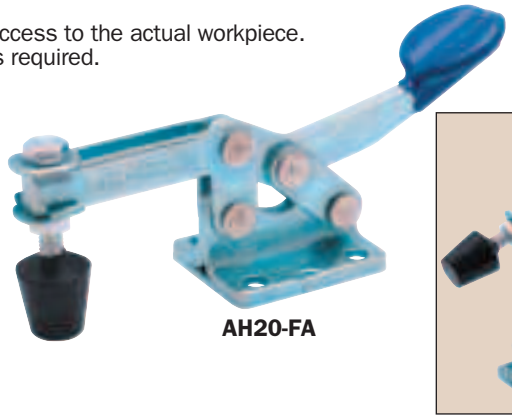
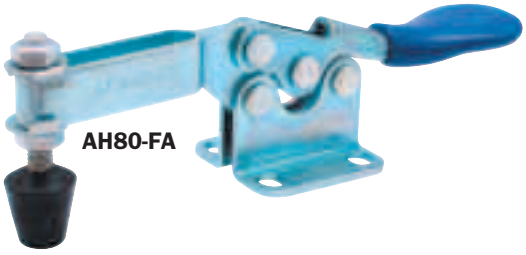
ATLAS WORKHOLDERS *Horizontal Industrial Toggle Clamps*

With a low profile design suitable for use in applications requiring increased access to the actual workpiece.
Available in eight sizes for general application in areas where a lower profile is required.
Force applied downwards 90° to bar.

'U' Bar (Adjustable) Type with Flanged Base

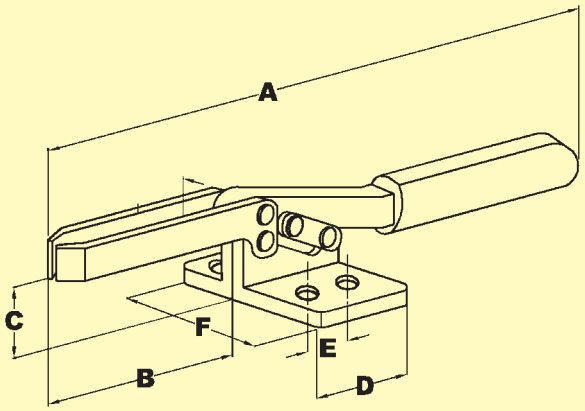








Dimensions



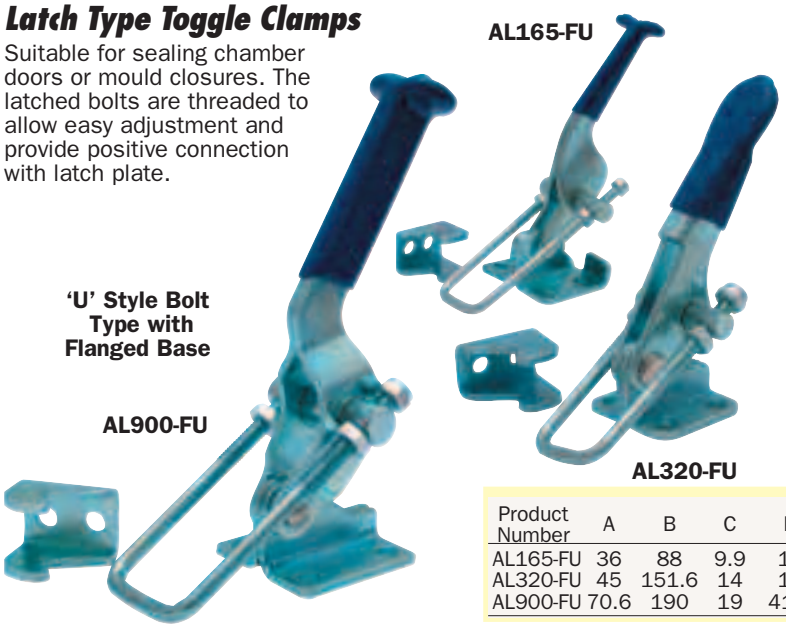
Product Number	A	B	C	D	E	F
AH20-FA	110.0	37.5	24.8	36.5	24.0	30.0
AH80-FA	138.1	55.0	25.4	36.5	25.4	38.0
AH217-FA	168.0	70.0	34.9	38.0	53.4	35.0
AH250-FA	274.0	108.0	45.0	59.0	41.2	59.0
AH340-FA	263.5	108.0	44.4	57.2	41.3	57.2

Product Number	Holding Capacity	Movement Handle	Movement Bar	Base Type	Supplied with	Weight each	Order Code ATL-443
AH20-FA	30kg	88°	80°		Tipped Spindle (M6) and Flanged Washers	100g	**-2020K**
AH80-FA	80kg	60°	85°		Tipped Spindle (M6) and Flanged Washers	130g	**-2120K**
AH217-FA	217kg	65°	90°	Flanged	Tipped Spindle (M8) and Flanged Washers	312g	**-2220K**
AH250-FA	250kg	94°	76°		Hexagon Head Spindle (M10) and Flanged Washers	500g	**-2620K**
AH340-FA	340kg	50°	85°		Tipped Spindle ((M10) and Flanged Washers	265g	**-2420K**

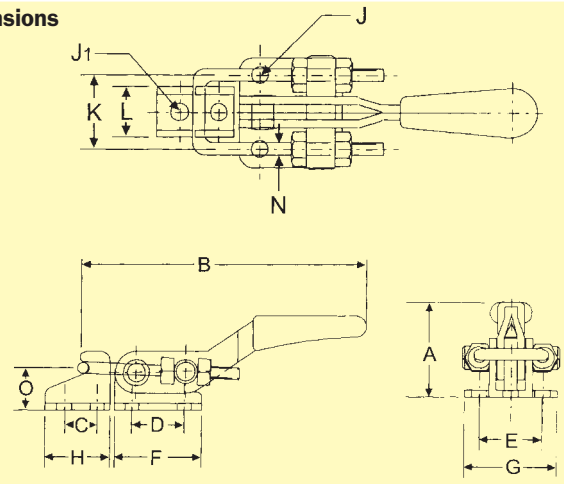
Latch Type Toggle Clamps

Suitable for sealing chamber doors or mould closures. The latched bolts are threaded to allow easy adjustment and provide positive connection with latch plate.

'U' Style Bolt Type with Flanged Base



Dimensions



Product Number	A	B	C	D	E	F	G	H	J	J1	K	L	N	O
AL165-FU	36	88	9.9	16	19	26	28	45	4.3	4.3	19	13.2	3.3	12
AL320-FU	45	151.6	14	19	31.8	39.6	44.5	25	6.8	6.8	25.4	17.5	4	17
AL900-FU	70.6	190	19	41.4	38	60.5	54	38	8.4	8.4	44.5	30.0	8	24

Product Number	Holding Capacity	Drawing Movement	Drawing Adjust	Base Type	Description	Weight each	Order Code ATL-443
AL165-FU	165kg	30mm	9.9mm		U-Style Bolt	68g	**-4070K**
AL320-FU	320kg	45mm	9.6mm	Flanged	U-Style Bolt	225g	**-4010K**
AL900-FU	900kg	80mm	23.8mm		U-Style Bolt	650g	**-4130K**

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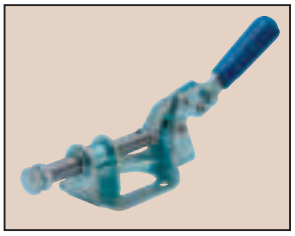
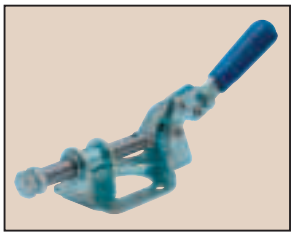
ATLAS WORKHOLDERS Push Pull Industrial Toggle Clamps

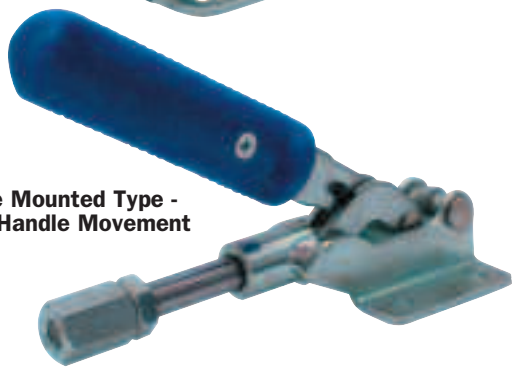
The straight line action gives these plunger-style clamps extremely high loading capacities whilst maintaining compactness. These clamps also lock in the open position which allows a 'pull' to be exerted (for instance, in use with foam moulds). All models have tapped spindles for use with adjustable spindles.



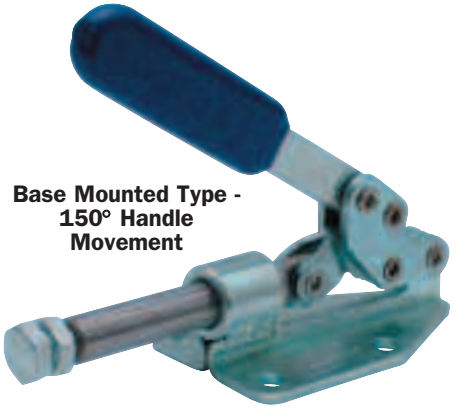


Base Mounted Type - 180° Handle



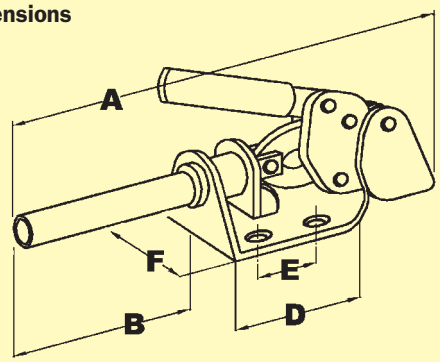


Base Mounted Type - 190° Handle Movement



Base Mounted Type - 150° Handle Movement

Dimensions



Product Number	A – Excl. Handle	B	C	D	E	F
AP136	138.1	49.2	24.6	88.9	34.9	55.6
AP200	124.5	41.5	14.0	83.0	40.0	50.0
AP227	151.0	63.0	15.0	88.0	32.0	63.0

Product Number	Holding Capacity	Spindle Thread	Handle Movement	Handle Position	Base Type	Supplied With	Weight each	Order Code ATL-443
AP136	136kg	M8	180°			Hexagon Head Spindle	285g	-3060K
AP200	200kg	M8 x 1.25	150°	45°	Flanged	Hexagon Head Spindle	330g	-3090K
AP227	227kg	M8 x 30 Deep	190°	Extended		Hexagon Head Spindle	540g	-3150K

INDEXA Heavy Duty Weldable Toggle Clamps

Hold down action suitable for high production automotive type applications. Heavy duty forged components with hardened and ground pivot points. The users provide their own handle and bar and weld them to the clamp which is then welded to a base. The flexible mounting of these clamps allows them to be used in situations where standard clamps are not effective.



EXTENDED RANGE

Holding Capacity	Base Width	Clamp Height with Handle	Weight each	Order Code IND-443
700kg	28mm	110mm	808g	-5010K
700kg	45mm	130mm	915g	-5030K
1100kg	50mm	170mm	1574g	-5070K
2200kg	63mm	205mm	2881g	-5110K

Latch Plates

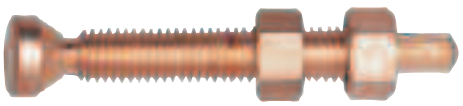
For use with latch type toggle clamps.



Base Size	Hook Width	Order Code IND-443
80 x 55mm	22mm	-8000K

Swivel Foot Spindles

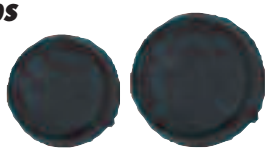
As Neoprene capped but suitable for clamping onto irregular shapes or angled workpieces.



Size	Length	Weight each	Order Code IND-443
1/4" UNC	2 1/4"	18g	-8500K
5/16" UNC	2 3/4"	31g	-8520K
3/8" UNC	3"	47g	-8540K
1/2" UNC	4"	115g	-8560K

Neoprene Caps

For standard adjustable spindles.



To fit Spindle	Weight each	Order Code IND-443
1/4"	8g	-8600K
5/16"	15g	-8620K
3/8"	24g	-8640K
1/2"	45g	-8660K

Flanged Washers

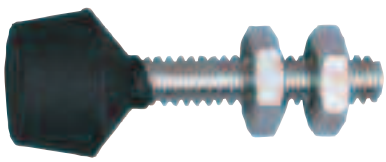
For use in conjunction with all spindles on clamps with adjustable 'U' bars.



To fit Spindle	Weight each	Order Code IND-443
5/32" (No.8/M4)	2g	-8700K
3/16" (No.10)	2g	-8720K
1/4"	4g	-8740K
5/16" (M8)	10g	-8780K
3/8" (M10)	15g	-8800K
1/2"	37g	-8820K
5/8"	49g	-8840K

Neoprene Capped Spindles

For use with adjustable 'U' bar type clamps and solid bar type clamps that have bolt retainers.



Size	Length	Weight each	Order Code IND-443
M4 x 0.7	25mm	5g	-8020K
M8 x 1.25	63mm	34g	-8100K
M10 x 1.5	85mm	64g	-8140K
No 10UNC	1 3/8"	9g	-8200K
1/4" UNC	1 3/4"	16g	-8220K
5/16" UNC	2 1/2"	31g	-8260K
3/8" UNC	3 1/2"	58g	-8300K
1/2" UNC	3 3/4"	125g	-8340K

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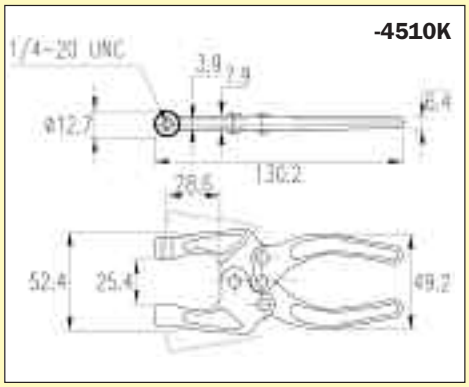
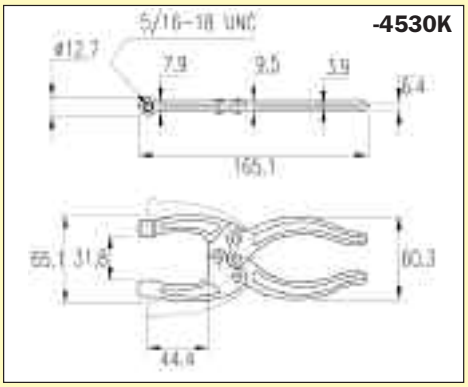
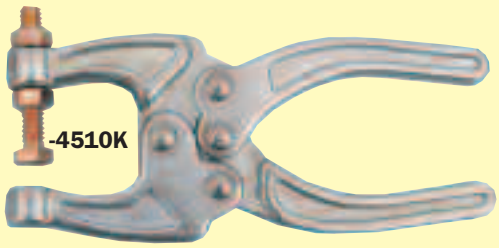
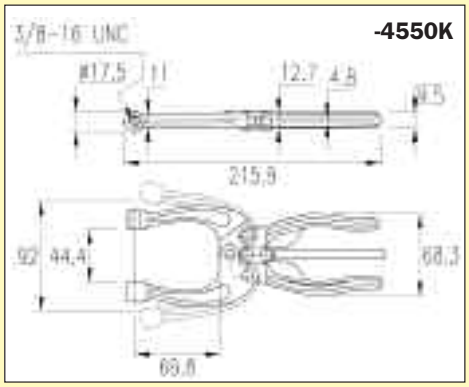
INDEXA Toggle Pliers

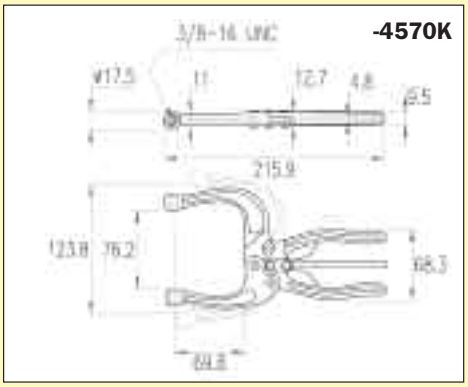
Toggle pliers have the advantage of a pivoting jaw mechanism to allow a deep throat depth to open and close easily for clamping awkward profiles such as steel angle section. The spindle clamping distance and pressure can be pre-set to and is ideal for repetitious applications.

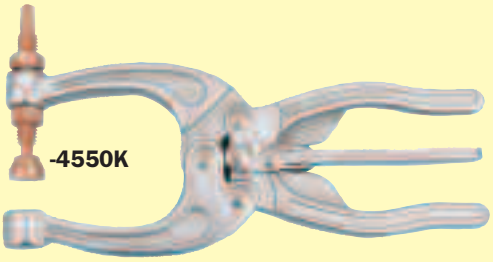












Plain Handle

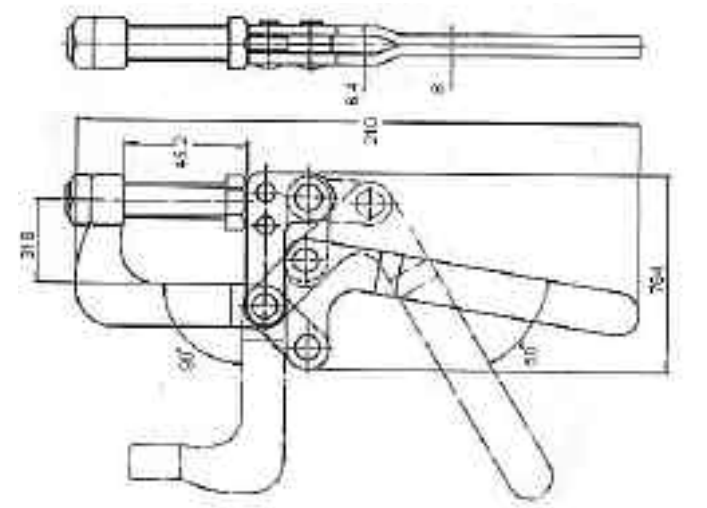
Holding Capacity	Jaw Opening Min.	Jaw Opening Max.	Standard Spindle Supplied	Order Code IND-443
90kg	25.4	52.4	Hex. Head	**-4510K**
159kg	31.8	65.1	Hex. Head	**-4530K**

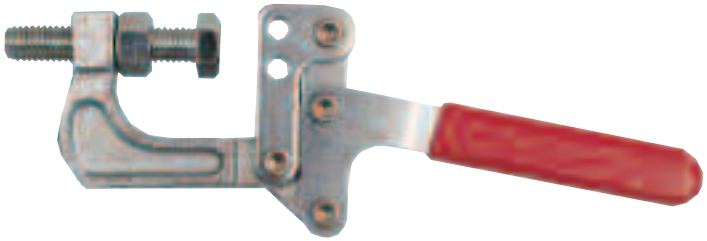
Quick Release Handle

Holding Capacity	Jaw Opening Min.	Jaw Opening Max.	Standard Spindle Supplied	Order Code IND-443
318kg	44.4	92.0	Swivel	**-4550K**
318kg	76.2	123.8	Hex. Head & Swivel	**-4570K**

Cam Type Toggle G-Clamp (Pull Back Clamp)

To securely fix the clamp into position the base can be welded to the work surface.

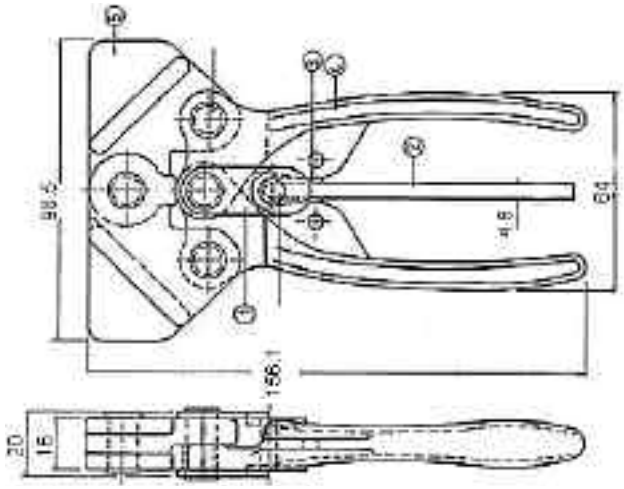


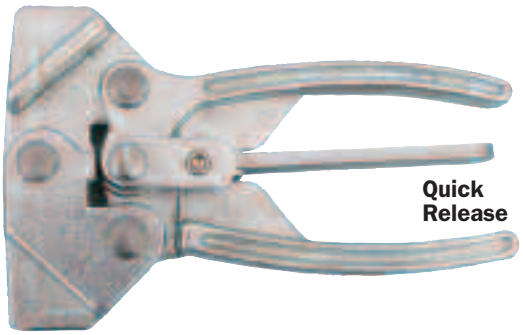


Holding Capacity	Jaw Opening	Jaw Movement	Handle Movement	Order Code IND-443
340kg	45.2mm	90°	50°	**-5510K**

'Stub' Type Toggle Pliers

With two stub arms for easy linking to special jaw extensions.





Holding Capacity	Closed Head Width	Overall Length	Order Code IND-443
500kg	98.5mm	156.1mm	**-4590K**

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SENATOR QUALITY TOOLING Drill Press Vice

Suitable for use on pillar/bench drills to steady the workpiece in all light duty drilling applications for the garage or small workshop. Cast construction with machined slots which are spaced to fit all popular drill stand bases. Cross drilled handle with sliding T-bar for extra leverage.



Jaw Width	Maximum Opening	Jaw Height	Dimension Length x Height	Weight each	Order Code SEN-445
75mm	55	23	200 x 45	1.90kg	**-0750K**
100mm	95	25	250 x 55	3.25kg	**-1000K**

INDEXA Quick Grip Drill Press Vices

Fixed Jaw
Quick acting cam can be set instantly to hold work. Fixed jaw with V-block to handle flat or round pieces, vertically or horizontally. Jaw inserts are hardened and ground. The heavy base can be clamped down to a milling machine or drill press.



Jaw Width	Jaw Height	Maximum Opening	Weight each	Order Code IND-445
80mm	30mm	80mm	5.2kg	**-0170K**
100mm	35mm	100mm	8.9kg	**-0180K**

ATLAS WORKHOLDERS Machine Vices

Machine Vices without Swivel Base
Manufactured in accordance with high quality criteria. Designed for general purpose milling, planing and drilling applications.

Machine Vices with Swivel Base Type
Also available complete with a swivel base designed for milling, planing and drilling applications.
Graduated to 1°.



Swivel Base Type

Jaws are fully ground in pairs

Jaw Width	Max. Opening	Jaw Height	Dimension L x W x H	Weight each	Order Code ATL-445
			Without Swivel Base		
100mm	80	35	245 x 115 x 89	8kg	**-0100K**
160mm	125	51	411 x 187 x 120	34kg	**-0150K**
200mm	160	63	440 x 220 x 140	46kg	**-0200K**
			With Swivel Base		
100mm	80	35	195 x 145 x 110	17kg	**-1100K**
160mm	125	51	411 x 187 x 167	43kg	**-1150K**
200mm	160	63	440 x 220 x 187	57kg	**-1200K**

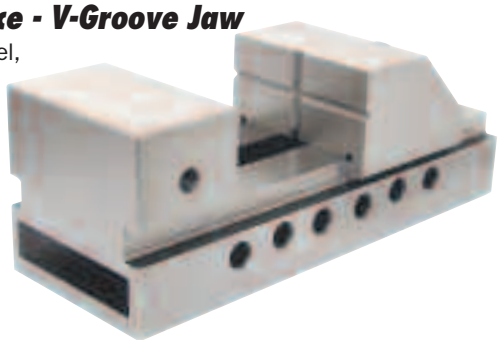
Spare Jaws to suit Atlas Machine Vices

Width	Order Code ATL-445
100mm	**-1040K**
160mm	**-1060K**
200mm	**-1080K**

Toolmakers Vice - V-Groove Jaw

Made from alloy steel, case hardened.
With a quick release mechanism.

Accuracy:
0.005mm.

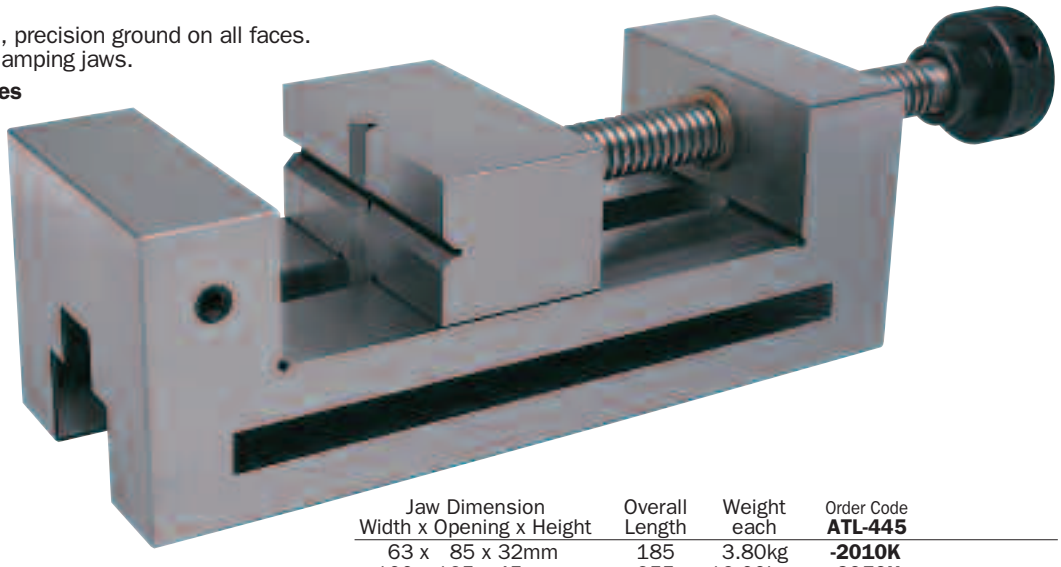


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code ATL-445
50 x 65 x 25mm	135	3kg	**-0310K**

Toolmaker's Vices

Manufactured from high carbon steel, precision ground on all faces. Phosphor bronze bush, 90° vee on clamping jaws.

Standard Precision Toolmaker's Vices
Squareness and parallelism to within **0.005mm**.



Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code ATL-445
63 x 85 x 32mm	185	3.80kg	**-2010K**
100 x 125 x 45mm	255	13.00kg	**-2050K**

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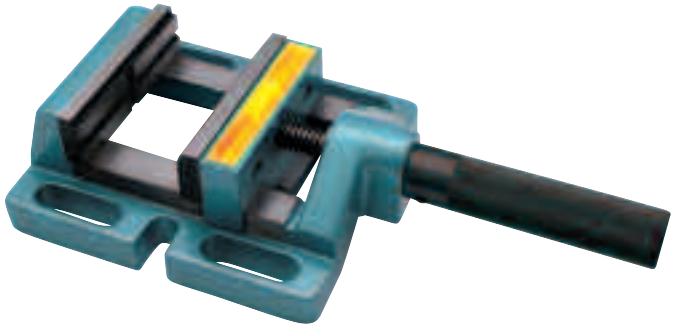
INDEXA Drill Press Vices

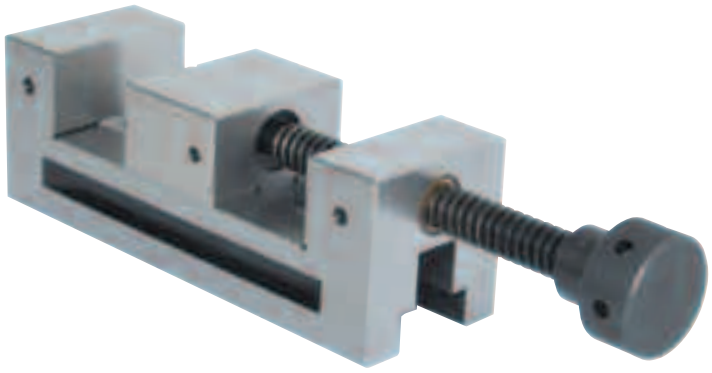
Available in four different jaw widths. For drilling, light milling, vertical and horizontal work.One grooved and one plain replaceable jaw for square and hexagonal shapes across flats or corners, thin strips and discs. Jaws and lead screw are hardened and ground.



Jaw Width	Jaw Opening	Order Code IND-445
85mm	70mm	**-0010K**
100mm	85mm	**-0020K**
120mm	120mm	**-0030K**
150mm	150mm	**-0040K**

Precision Toolmaker's Vices

Squareness and parallelism to within **0.003mm**. Designed for precision grinding and many other tool room applications.

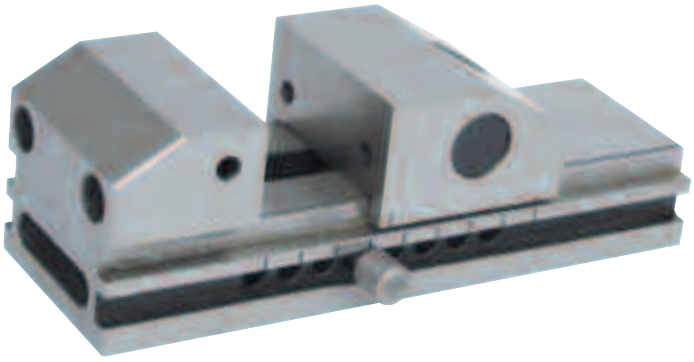


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445
50 x 65 x 25mm	150	3.00kg	**-0400K**
73 x 100 x 35mm	205	5.00kg	**-0430K**
100 x 125 x 45mm	255	13.00kg	**-0450K**

Toolmaker's Vices - Plain Jaw

Manufactured from high quality alloy steel, case hardened to HRC 58 - 62. For wire cutting, machining, measurement and inspection. With a dowel pin quick release mechanism with linear scale for accurate alignment.

Accuracy: 0.003mm.

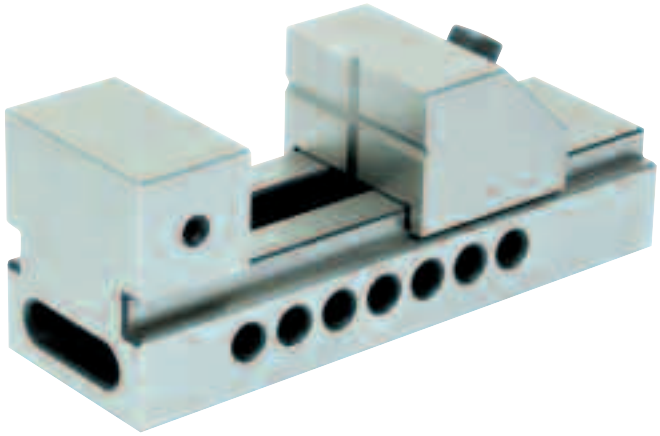


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445
60 x 80 x 28mm	175mm	3.9kg	**-0200K**
75 x 100 x 40mm	220mm	7.9kg	**-0210K**

Toolmaker's Vice - V-Groove Jaw

Manufactured from high quality alloy steel, case hardened to HRC 58 - 62. With a rack quick release mechanism.

Accuracy: 0.003mm.

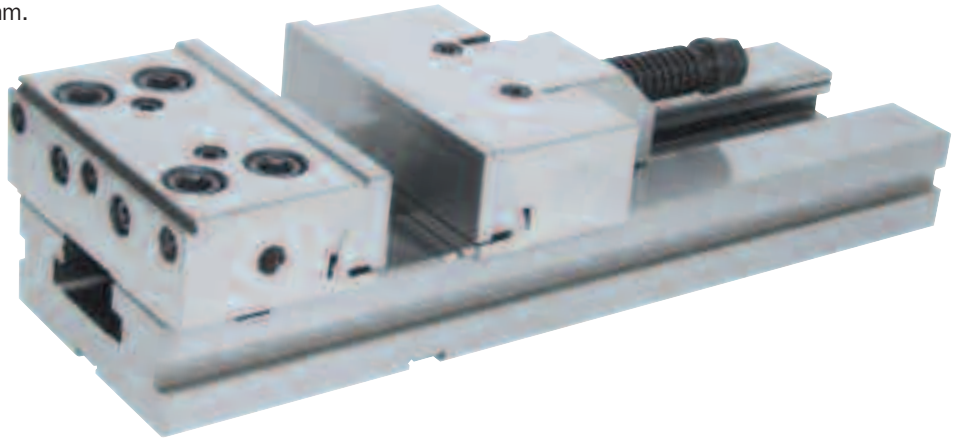


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445
50 x 78 x 30mm	155mm	3.00kg	**-0310K**

Modular Precision Machine Vices

Precision modular vices are designed to be used on standard and CNC machines for precision grinding and milling. The vice could be set up individually or work in multiples, on tables or palletised components depending on the machined material dimensions. Made from hardened high grade alloy steel.

Perpendicular accuracy: 0.005mm.
Parallelism: 0.005mm.



Accessories:
L-wrench, T-wrench, vice holding clamp, work stop with main bolt, positioning key-nuts etc.

Jaw Width x Opening x Height	Overall Length	Clamping Force	Weight each	Order Code IND-445
100 x 100 x 30mm	270mm	3000kg	7.00kg	**-0600K**
125 x 150 x 40mm	345mm	3000kg	12.70kg	**-0620K**
150 x 200 x 50mm	420mm	5000kg	25.60kg	**-0640K**
150 x 300 x 50mm	520mm	5000kg	29.50kg	**-0660K**
200 x 300 x 65mm	595mm	8000kg	86.00kg	**-0690K**

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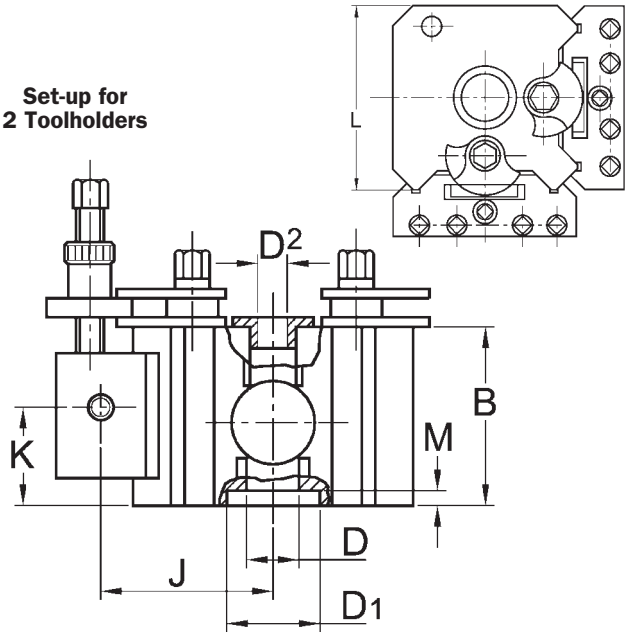
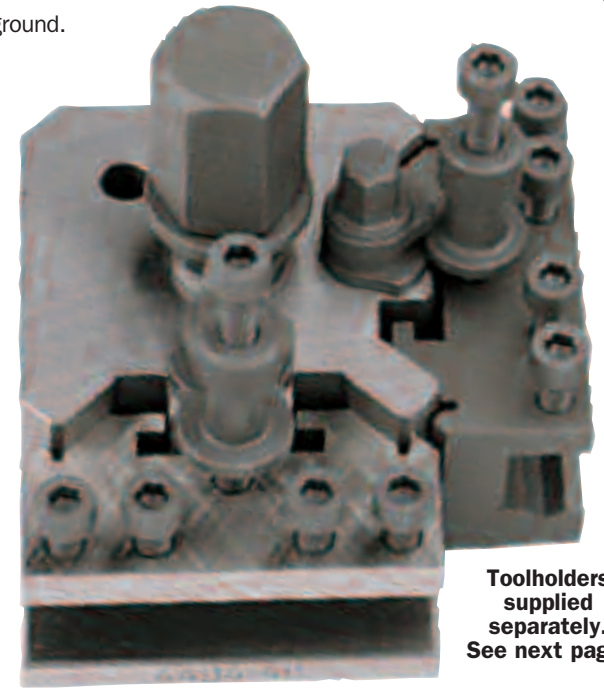
INDEXA Quick Change Toolposts

Made of alloy case steel. All working surfaces are hardened and precision ground.

Toolposts Type T.00 - T.0

Set-up for 2 Toolholders





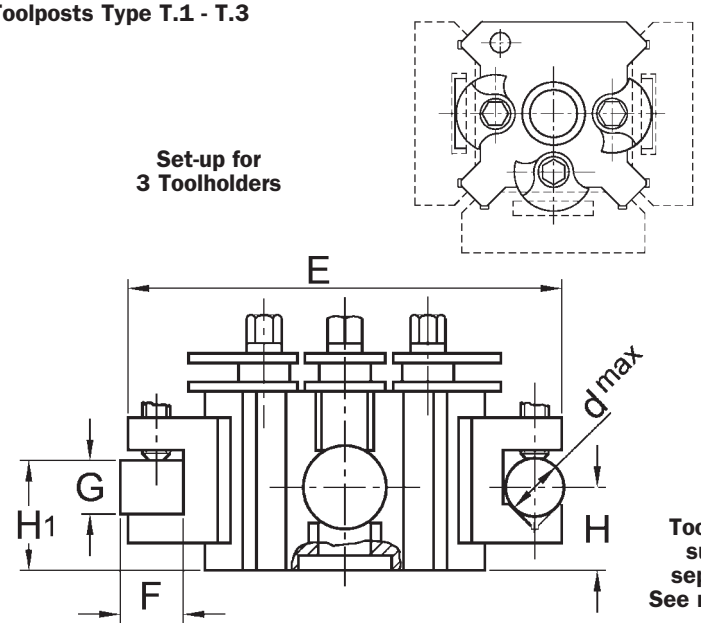
Toolholders supplied separately. See next page.

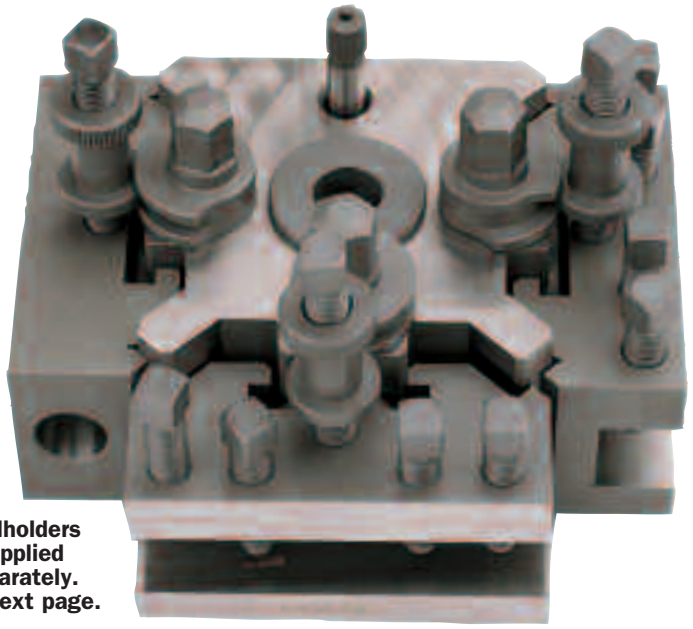
Type	No. of Toolholders	Lathe Capacity	B	D1 Dia.	M Depth	D	E	G	F	H1 Max	H1 Min.
T.00M	2	Up to 89mm	37.0	-	-	11.2	-	10	11	27	17
T.0	3	Up to 114mm	51.0	22.22	5.0	19.0	124	13	13	36.5	20.5

Type	Bar dia. d Max.	H Max.	H Min.	Taper	J	K Max.	K Min.	L	D2	Weight each	Order Code IND-445
T.00M	11.0	22.5	12.5	-	-	-	-	58.0	-	0.90kg	**-4800K**
T.0	16.0	32.0	16.0	1	52.5	28.5	16.0	73.0	16.0	2.00kg	**-4820K**

Toolposts Type T.1 - T.3

Set-up for 3 Toolholders





Toolholders supplied separately. See next page.

Type	No. of Toolholders	Lathe Capacity	B	D1 Dia.	M Depth	D	E	G	F	H1 Max	H1 Min.
T.1	3	114 to 127mm	63.5	31.75	6.5	19.0	124	19	13	46	30
T.1X	3	114 to 127mm	73.0	31.75	6.5	19.0	124	19	13	57	35
T.2	3	127 to 203mm	71.5	44.45	8.0	25.5	159	19	19	54	36.5
T.2T	3	127 to 203mm	76.0	44.45	8.0	25.5	168	25.5	25.5	58.5	39.5
T.3	3	203 to 292mm	92.0	50.80	9.5	25.5	203	31.5	22.5	73	51

Type	Bar dia. d Max.	H Max.	H Min.	Taper	J	K Max.	K Min.	L	D2	Weight each	Order Code IND-445
T.1	16.0	44.5	25.5	1	52.5	41.0	22.0	73.0	16.0	2.30kg	**-4830K**
T.1X	16.0	54.0	32.0	1 & 2	52.5	51.0	28.5	73.0	16.0	2.60kg	**-4840K**
T.2	19.0	46.0	24.0	2	65.0	47.5	27.0	98.5	16.0	4.60kg	**-4850K**
T.2T	19.0	50.0	24.0	2 & 3	70.0	47.5	27.0	106.5	16.0	5.80kg	**-4860K**
T.3	25.5	51.0	28.5	3	85.5	58.5	36.5	125.5	22.0	10.8kg	**-4870K**

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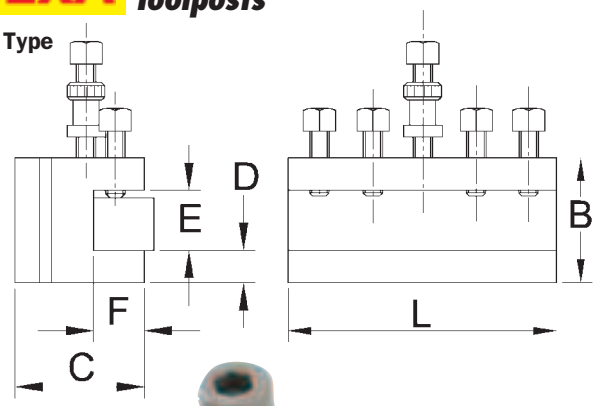
INDEXA Toolholders for Quick Change Toolposts

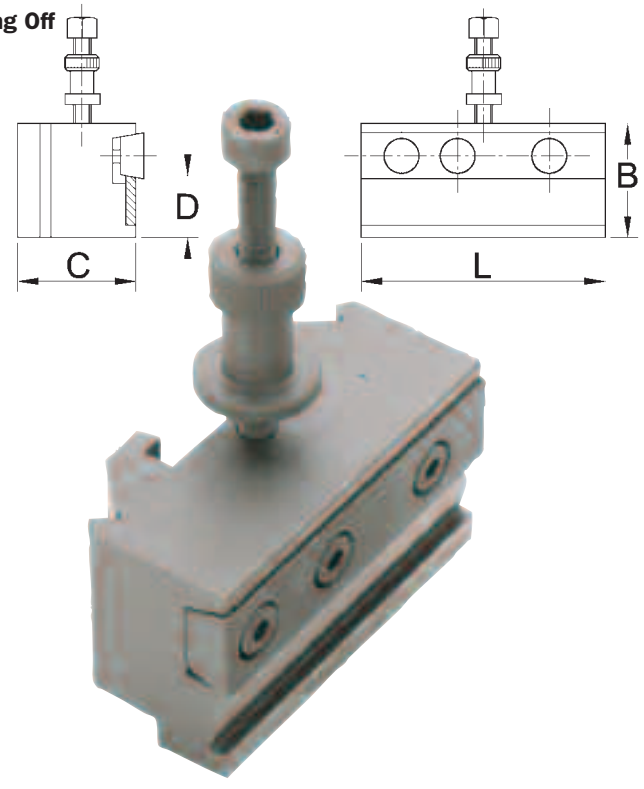
Standard Type





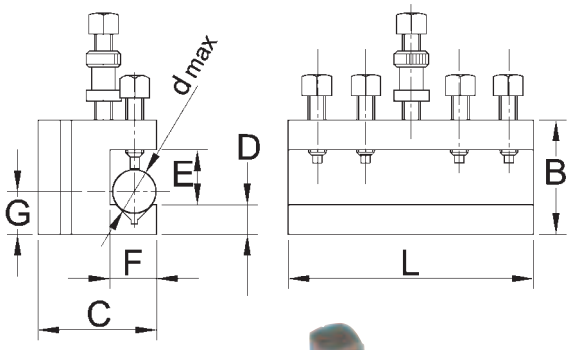
Used On	L (mm)	B	C	D	E	F	Order Code IND-445
T.00	58.0	27.0	28.0	7.0	13.0	11	**-5010K**
T.0	73.0	35.0	32.0	8.0	16.0	14	**-5020K**
T.1	73.0	44.5	32.0	11.0	22.0	14	**-5030K**
T.2	98.5	50.0	40.0	12.0	22.0	19	**-5040K**
T.2T	98.5	57.0	40.0	14.0	28.5	19	**-5050K**
T.3	124.0	70.0	48.5	17.5	35.0	23	**-5060K**

Parting Off Type



Used On	L (mm)	B	C	D	Order Code IND-445
T.0/T.1	73.0	47.5	32.0	27.0	**-5370K**
T.2	98.5	57.0	39.5	33.5	**-5380K**

Vee Type





Used On	L (mm)	B	C	D	E	F	G	d Max	Order Code IND-445
T.00	58.0	27.0	28.0	8.0	13.0	11	13.5	11.0	**-5110K**
T.0	73.0	35.0	32.0	8.0	16.0	14	16.0	16.0	**-5120K**
T.1	73.0	44.5	32.0	16.0	17.0	14	24.0	16.0	**-5130K**
T.2	98.5	50.0	40.0	14.0	22.0	19	24.0	19.0	**-5140K**
T.2T	98.5	57.0	40.0	14.0	28.5	19	24.0	19.0	**-5150K**
T.3	124.0	70.0	48.5	17.5	35.0	23	28.5	25.5	**-5160K**

Industrial Lathe Carriers

Available with straight or bent tail. Manufactured from high grade, malleable cast iron with high tensile strength. Smooth action square head clamping screw.



Straight

Type	Capacity	Weight each	Order Code IND-445
Straight	12.5mm	0.10kg	**-9000K**
	19.0mm	0.15kg	**-9010K**
	25.0mm	0.30kg	**-9020K**
	38.0mm	0.70kg	**-9040K**
	50.0mm	1.50kg	**-9060K**



Bent

Type	Capacity	Weight each	Order Code IND-445
Bent	12.5mm	0.10kg	**-9200K**
	19.0mm	0.15kg	**-9210K**
	25.0mm	0.30kg	**-9220K**
	38.0mm	0.70kg	**-9240K**
	50.0mm	1.50kg	**-9260K**

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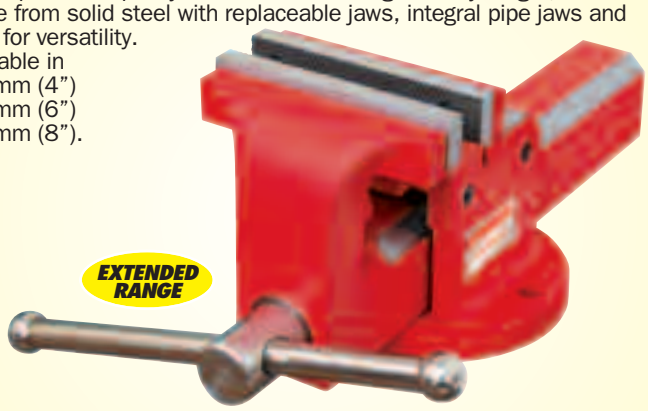
KENNEDY PROFESSIONAL Steel Bench Vices

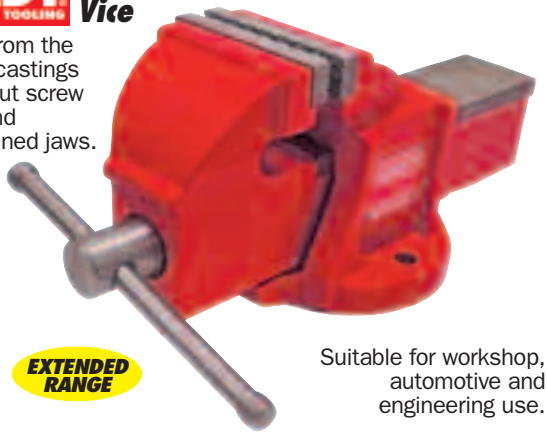
These premium quality bench vices are as good as you get, made from solid steel with replaceable jaws, integral pipe jaws and anvil for versatility.
Available in
100mm (4")
150mm (6")
200mm (8").



Model Number	Opening (mm)	Jaw Width (mm)	Weight each	Order Code KEN-445
VBS100	100 (4")	90 (3 9/16")	6.30kg	-0500K
VBS150	150 (6")	150 (6")	18.25kg	-0540K
VSB200	200 (8")	205 (8")	25.00kg	-0300K

KENNEDY Engineer's Vice

Manufactured from the highest quality castings with precision cut screw mechanisms and precision machined jaws.





Suitable for workshop, automotive and engineering use.

Model Number	Opening (mm)	Jaw Width (mm)	Weight each	Order Code KEN-445
KECV75	100 (4")	75 (3")	4.50kg	-0230K
KECV100	140 (5 5/8")	100 (4")	9.50kg	-0240K
KECV125	170 (6 3/4")	125 (5")	18.0kg	-0250K
KECV150	190 (7 5/8")	150 (6")	25.0kg	-0260K
KECV200	210 (8 1/4")	200 (8")	40.0kg	-0280K

Replacement Jaws (Pairs)

Engineers Vice Size (Pair)	Height (mm)	Order Code KEN-567
To suit 75mm jaw width	16	-3630K
To suit 100mm jaw width	20	-3640K
To suit 125mm jaw width	21	-3650K
To suit 150mm jaw width	21	-3660K
To suit 200mm jaw width	28	-3680K

Workshop Vice - American Pattern

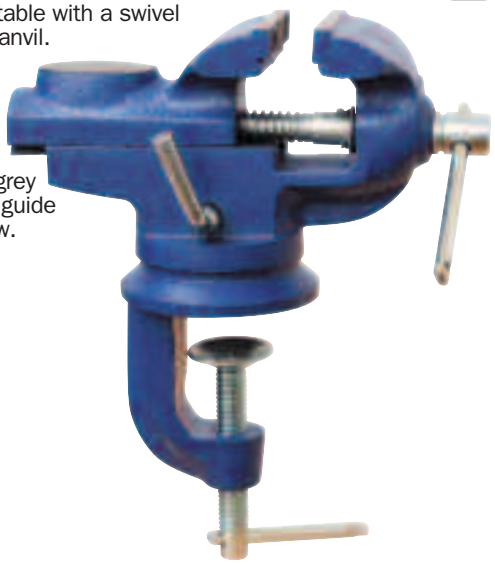
American pattern, bench mounting steel vice with anvil suitable for workshop, garage and machine-shop use. Fixed base directly mounts onto work bench. Cast iron body with steel jaws and a cross drilled threaded handle with adjustable T-bar for extra leverage.



Opening (mm)	Jaw Width (mm)	Weight each	Order Code KEN-445
127 (5")	100 (4")	12.3kg	-2040K
178 (7")	150 (6")	25.0kg	-2060K

SENATOR QUALITY TOOLING Portable Bench Vice

Lightweight and portable with a swivel base and light duty anvil. Ideal for model makers, DIY and light industrial use. Can be fitted to any convenient work surface. Solid cast grey iron body with steel guide rods and main screw.

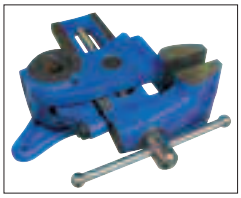


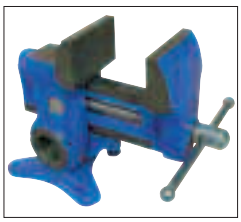
Opening (mm)	Jaw Width	Weight each	Order Code SEN-445
70 (2 3/4")	60	2.8kg	-0600K

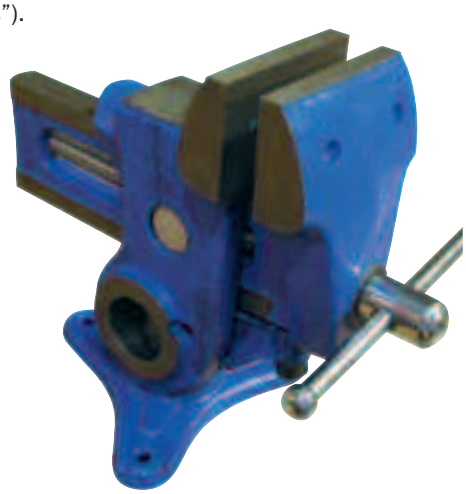
Universal Vice

Can be bench mounted either vertically or horizontally, and on either side. Unique design permits the vice to rotate a full 360° then self-lock when jaws are tightened.

Jaw height: 54mm (2 1/8").





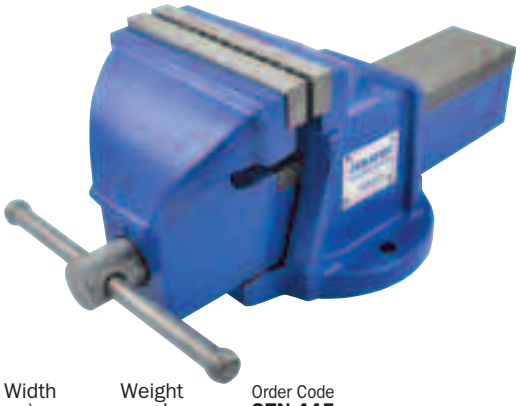


Opening (mm)	Jaw Width	Weight each	Order Code SEN-445
125 (5")	90 (3 1/2")	8.2kg	-4050K

Light Duty Bench Vice

For light workshop, engineering and automotive use. Cast iron body with precision cut screw mechanism. The base bolts directly to the work bench surface for stability.





Opening (mm)	Jaw Width (mm)	Weight each	Order Code SEN-445
127 (5")	100 (4")	5.5kg	-0510K
170 (6 1/2")	125 (5")	11.3kg	-0520K
190 (7 1/2")	150 (6")	15.3kg	-0530K

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INDEXA Modular Coolant Hose System

Modular coolant hose system is ideal for coolants, fluids and air lines. Suitable for all wet machining, spark erosion and air line operations up to 50PSI air and 30PSI liquid. Flow direction is easily and accurately positioned with no spring-back. All parts are fully interchangeable and fully replaceable if a single section is damaged. Manufactured from acetal - non-conductive and chemical resistant. Available with 1/4", 1/2" and 3/4" bore. Hose is green, all other fittings are orange. Threaded fittings are fully compatible with BSPT.



Starter Packs

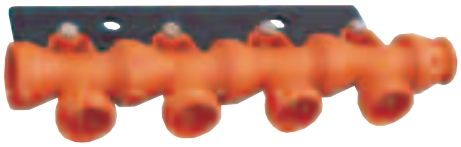
Contents	Weight each	Order Code IND-447
1/4" Bore		
12" Hose 4 Nozzles 2 Connectors	40g	**-6910K**
1/2" Bore		
13" Hose 3 Nozzles 2 Connectors	91g	**-7910K**
3/4" Bore		
14" Hose 2 Nozzles 1 Connectors	126g	**-8910K**

Tube Segments



Bore Size	Weight each	Order Code IND-447
11" Lengths (Green)		
1/4"	40g	**-6210K**
1/2"	69g	**-7210K**
3/4"	102g	**-8210K**
11" Lengths (Blue)		
3/4"	102g	**-8230K**
25ft Bulk Pack (Green)		
1/4"	886g	**-6250K**
1/2"	1637g	**-7250K**
3/4"	2381g	**-8250K**

Modular Manifold Kits



Description	Bore Size	Weight each	Order Code IND-447
4x T-Pieces, 2x Plug, 1x Bracket, 4x Screws	1/4"	109g	**-6450K**
	1/2"	98g	**-7450K**

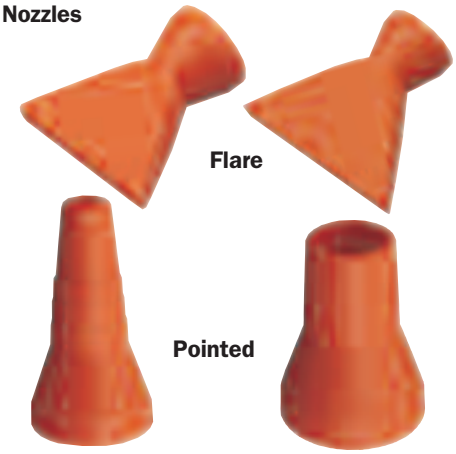
Modular Coolant Hose System

Threaded Spigots



Bore Size	Inlet Size	Weight each	Order Code IND-447
1/4"	1/8" NPT Female	2g	**-6710K**
	1/4" NPT Female	2g	**-6730K**
1/4"	1/8" NPT Male	2g	**-6170K**
	1/4" NPT Male	2g	**-6190K**
1/2"	3/8" NPT Male	7g	**-7170K**
	1/2" NPT Male	7g	**-7190K**
	1/2" NPT Female	7g	**-7730K**
3/4"	3/4" NPT Male	10g	**-8170K**

Nozzles



Type	Size	Weight each	Order Code IND-447
1/4" Bore			
Pointed	1/16"	5g	**-6610K**
	1/8"	5g	**-6630K**
	3/16"	5g	**-6640K**
	1/4"	5g	**-6650K**
Flare	1"	5g	**-6670K**
1/2" Bore			
Pointed	1/4"	5g	**-7610K**
	3/8"	5g	**-7630K**
	1/2"	5g	**-7650K**
Flare	1 3/4"	5g	**-7670K**
	2 1/2"	5g	**-7690K**
3/4" Bore			
Pointed	5/8"	10g	**-8610K**
	3/4"	10g	**-8630K**
Flare	3"	10g	**-8650K**

Plastic Valves

1/4 turn fitting.



Bore Size	Inlet Type	Weight each	Order Code IND-447
1/4"	In-line	10g	**-6050K**
1/2"	In-line	30g	**-7050K**

Metal Ball Valves

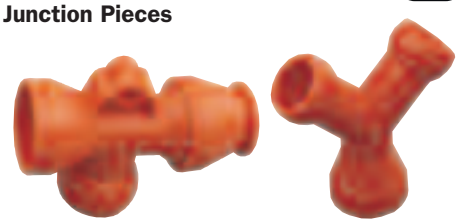
Threaded fitting 1/4 turn.



NPT Threads Male x Female	Weight each	Order Code IND-447
1/8" x 1/8"	81g	**-6070K**
1/4" x 1/4"	80g	**-6090K**
3/8" x 3/8"	76g	**-7070K**
1/2" x 1/2"	114g	**-7090K**

Modular Coolant Hose System

Junction Pieces



Type	Weight each	Order Code IND-447
1/4" Bore		
Y-Piece	3g	**-6310K**
T-Piece	3g	**-6350K**
L-Piece	4g	**-6370K**
1/2" Bore		
Y-Piece	9g	**-7310K**
T-Piece	9g	**-7350K**
L-Piece	12g	**-7370K**

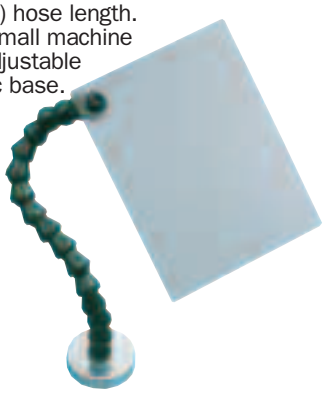
Junction Reducers



Type	Weight each	Order Code IND-447
1/2" Bore		
1/2" to 2 x 1/4"	4g	**-7330K**
1/2" to 1/4"	3g	**-7510K**
3/4" Bore		
3/4" to 1/2"	5g	**-8510K**

INDEXA Quick Set Machine Shields

14" (3/4" bore) hose length. Suitable for small machine tools. Fully adjustable with magnetic base.



Visor Size	Weight each	Order Code IND-447
6" x 8"	500g	**-0250K**
7 1/2" x 10"	570g	**-0260K**

Quick Action Assembly Pliers



Bore Size	Order Code IND-447
1/4"	**-0010K**
1/2"	**-0020K**

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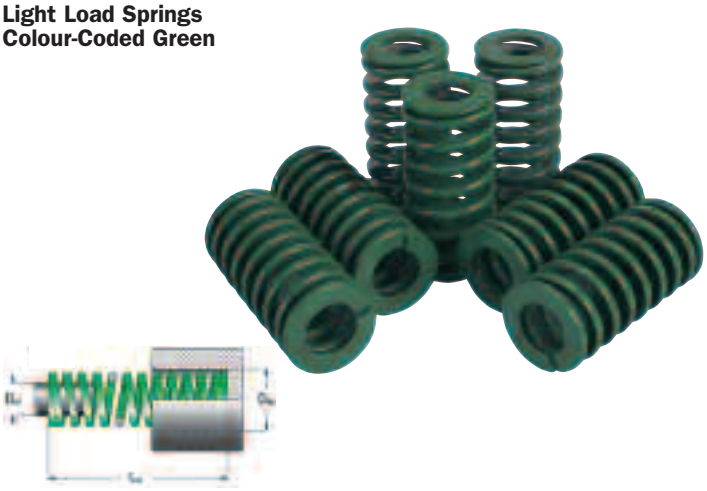
INDEXA Die Springs

The heat and surface treatment plus the high quality of steel used in the manufacturing process ensure the springs will bear a high number of stresses without breaking or without appreciable loss of load. Every batch of springs is subject to a rigorous testing procedure to ensure that a consistent quality is maintained. Longer springs should be guided along their course.

Light Load Springs
Colour-Coded Green



Product Number	Diameter DH	Diameter Dd	L_0 (mm)	Rigidity (N/mm)	Weight each	Order Code IND-460
V10 x 25	10	4.5	25	10	4g	**-8000A**
V10 x 32	10	4.5	32	8.5	6g	**-8001B**
V10 x 38	10	4.5	38	6.8	7g	**-8002C**
V10 x 44	10	4.5	44	6.0	7g	**-8003D**
V10 x 51	10	4.5	51	5.0	8g	**-8004E**
V10 x 64	10	4.5	64	4.3	10g	**-8005F**
V10 x 76	10	4.5	76	3.2	11g	**-8006G**
V10 x 305	10	4.5	305	1.1	45g	**-8007H**
V13 x 25	13	7.0	25	17.9	6g	**-8108J**
V13 x 32	13	7.0	32	16.4	7g	**-8109K**
V13 x 38	13	7.0	38	13.6	9g	**-8110L**
V13 x 44	13	7.0	44	12.1	11g	**-8111M**
V13 x 51	13	7.0	51	11.4	12g	**-8112N**
V13 x 64	13	7.0	64	9.3	14g	**-8113P**
V13 x 76	13	7.0	76	7.1	16g	**-8114Q**
V13 x 305	13	7.0	305	1.4	63g	**-8115R**
V16 x 25	16	8.0	25	23.4	9g	**-8216S**
V16 x 32	16	8.0	32	22.9	11g	**-8217T**
V16 x 38	16	8.0	38	19.3	13g	**-8218V**
V16 x 44	16	8.0	44	17.1	17g	**-8219W**
V16 x 51	16	8.0	51	15.7	18g	**-8220X**
V16 x 64	16	8.0	64	10.7	22g	**-8221Y**
V16 x 76	16	8.0	76	10.0	26g	**-8222Z**
V16 x 102	16	8.0	102	7.8	35g	**-8224B**
V20 x 25	20	10.0	25	55.8	15g	**-8326D**
V20 x 32	20	10.0	32	45.0	20g	**-8327E**
V20 x 38	20	10.0	38	33.30	22g	**-8328F**
V20 x 44	20	10.0	44	30.0	28g	**-8329G**
V20 x 51	20	10.0	51	24.5	31g	**-8330H**
V20 x 64	20	10.0	64	20.0	40g	**-8331J**
V20 x 76	20	10.0	76	16.0	47g	**-8332K**
V20 x 89	20	10.0	89	14.0	54g	**-8333L**
V20 x 102	20	10.0	102	12.0	110g	**-8334M**
V20 x 115	20	10.0	115	10.9	123g	**-8335N**
V20 x 127	20	10.0	127	9.5	135g	**-8336P**
V20 x 152	20	10.0	152	7.5	90g	**-8338R**
V25 x 25	26	12.5	25	100.0	27g	**-8440T**
V25 x 32	26	12.5	32	80.3	35g	**-8441V**
V25 x 38	26	12.5	38	62.0	44g	**-8442W**
V25 x 51	26	12.5	51	44.0	57g	**-8444Y**
V25 x 64	26	12.5	64	35.2	71g	**-8445Z**
V25 x 76	26	12.5	76	28.0	87g	**-8446A**
V25 x 89	26	12.5	89	29.0	96g	**-8447B**
V25 x 102	26	12.5	102	21.1	110g	**-8448C**
V25 x 115	26	12.5	115	18.7	125g	**-8449D**
V25 x 127	26	12.5	127	16.7	135g	**-8450E**
V25 x 152	26	12.5	152	14.0	165g	**-8452G**
V25 x 203	26	12.5	203	10.4	215g	**-8454J**
V32 x 38	32	16.0	38	94.0	60g	**-8557M**
V32 x 76	32	16.0	76	44.0	132g	**-8561R**
V32 x 102	32	16.0	102	32.0	173g	**-8563T**
V32 x 115	32	16.0	115	29.0	190g	**-8564V**
V32 x 127	32	16.0	127	25.0	215g	**-8565W**
V32 x 152	32	16.0	152	21.5	262g	**-8567Y**
V32 x 178	32	16.0	178	18.2	300g	**-8568Z**
V32 x 203	32	16.0	203	1.40	350g	**-8569K**
V40 x 64	40	20.0	64	73.0	165g	**-8673E**
V40 x 76	40	20.0	76	63.0	188g	**-8674F**
V40 x 102	40	20.0	102	43.0	247g	**-8676H**
V50 x 64	50	25.0	64	156.0	305g	**-8785S**
V50 x 76	50	25.0	76	125.0	450g	**-8786T**
V50 x 102	50	25.0	102	94.0	470g	**-8788W**
V50 x 115	50	25.0	115	81.0	590g	**-8789X**

Medium Load Springs
Colour-Coded Blue



Product Number	Diameter DH	Diameter Dd	L_0 (mm)	Rigidity (N/mm)	Weight each	Order Code IND-460
B10 x 25	10	4.5	25	16.0	3g	**-6000A**
B10 x 32	10	4.5	32	13.0	4g	**-6001B**
B10 x 38	10	5.0	44	11.9	4g	**-6002C**
B10 x 44	10	4.5	44	10.3	5g	**-6003D**
B10 x 51	10	4.5	51	8.9	7g	**-6004E**
B10 x 64	10	4.5	64	7.5	9g	**-6005F**
B10 x 76	10	4.5	76	5.3	11g	**-6006G**
B10 x 305	10	4.5	305	1.6	45g	**-6007H**
B13 x 25	13	7.0	25	30.0	6g	**-6108J**
B13 x 32	13	7.0	32	24.8	8g	**-6109K**
B13 x 38	13	7.0	38	21.4	10g	**-6110L**
B13 x 44	13	7.0	44	18.5	12g	**-6111M**
B13 x 51	13	7.0	51	15.5	13g	**-6112N**
B13 x 64	13	7.0	64	12.1	15g	**-6113P**
B13 x 76	13	7.0	76	10.2	17g	**-6114Q**
B13 x 305	13	7.0	305	2.1	73g	**-6115R**
B16 x 25	16	8.0	25	49.4	12g	**-6216S**
B16 x 32	16	8.0	32	37.1	14g	**-6217T**
B16 x 38	16	8.0	38	33.9	15g	**-6218V**
B16 x 44	16	8.0	44	30.0	19g	**-6219W**
B16 x 51	16	8.0	51	26.4	21g	**-6220X**
B16 x 64	16	8.0	64	20.5	27g	**-6221Y**
B16 x 76	16	8.0	76	17.8	33g	**-6222Z**
B16 x 102	16	8.0	102	13.5	43g	**-6224B**
B20 x 25	20	10.0	25	98.0	19g	**-6326D**
B20 x 32	20	10.0	32	72.6	23g	**-6327E**
B20 x 38	20	10.0	38	56.0	26g	**-6328F**
B20 x 44	20	10.0	44	47.5	32g	**-6329G**
B20 x 51	20	10.0	51	41.7	35g	**-6330H**
B20 x 64	20	10.0	64	32.3	46g	**-6331J**
B20 x 76	20	10.0	76	25.1	55g	**-6332K**
B20 x 89	20	10.0	89	22.0	61g	**-6333L**
B20 x 102	20	10.0	102	19.8	68g	**-6334M**
B20 x 127	20	10.0	127	16.6	85g	**-6336P**
B20x152	20	10.0	152	1.30	103g	**-6338R**
B25 x 25	26	12.5	25	147.0	33g	**-6440T**
B25 x 32	26	12.5	32	118.0	42g	**-6441V**
B25 x 38	26	12.5	38	93.0	48g	**-6442W**
B25 x 44	26	12.5	44	80.8	56g	**-6443X**
B25 x 51	26	12.5	51	68.6	65g	**-6444Y**
B25 x 64	26	12.5	64	53.0	90g	**-6445Z**
B25 x 76	26	12.5	76	43.2	96g	**-6446A**
B25 x 89	26	12.5	89	38.2	118g	**-6447B**
B25 x 102	26	12.5	102	33.0	131g	**-6448C**
B25 x 152	26	12.5	152	20.8	190g	**-6452G**
B32 x 38	32	16.0	38	185.0	80g	**-6557M**
B32 x 44	32	16.0	44	158.0	90g	**-6558N**
B32 x 51	32	16.0	51	134.0	100g	**-6559P**
B32 x 64	32	16.0	64	99.0	130g	**-6560Q**
B32 x 76	32	16.0	76	80.5	152g	**-6561R**
B32 x 102	32	16.0	102	58.8	203g	**-6563T**
B32 x 115	32	16.0	115	51.5	223g	**-6564V**
B32 x 127	32	16.0	127	44.8	252g	**-6565W**
B32 x 152	32	16.0	152	37.8	292g	**-6567Y**
B32 x 178	32	16.0	178	32.5	320g	**-6568Z**
B40 x 51	40	20.0	51	181.6	157g	**-6672D**
B40 x 64	40	20.0	64	140.0	194g	**-6673E**
B40 x 89	40	20.0	89	90.7	265g	**-6675G**
B40 x 102	40	20.0	102	81.0	300g	**-6676H**
B50 x 64	51	25.0	65	209.0	340g	**-6785S**
B50 x 76	51	25.0	76	168.0	395g	**-6786T**

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INDEXA Die Springs

The heat and surface treatment plus the high quality of steel used in the manufacturing process ensure the springs will bear a high number of stresses without breaking or without appreciable loss of load. Every batch of springs is subject to a rigorous testing procedure to ensure that a consistent quality is maintained. Longer springs should be guided along their course.

Heavy-Load Springs
Colour Coded Red





Product Number	Diameter D_H	Diameter D_d	L_0 (mm)	Rigidity (N/mm)	Weight each	Order Code IND-460
R10 x 25	10	4.5	25	22.10	4g	**-1000A**
R10 x 32	10	4.5	32	17.50	5g	**-1001B**
R10 x 38	10	4.5	38	17.10	6g	**-1002C**
R10 x 44	10	5.0	180	15.00	8g	**-1003D**
R10 x 51	10	4.5	51	12.80	8g	**-1004E**
R10 x 64	10	4.5	64	10.7	11g	**-1005F**
R13 x 25	13	7.0	25	42.1	12g	**-1108J**
R13 x 38	13	7.0	38	29.3	13g	**-1110L**
R13 x 44	13	7.0	44	24.6	15g	**-1111M**
R13 x 51	13	7.0	51	19.6	17g	**-1112N**
R13 x 64	13	7.0	64	15.0	21g	**-1113P**
R13 x 76	13	7.0	76	13.2	24g	**-1114Q**
R16 x 25	16	8.0	25	75.7	12g	**-1216S**
R16 x 32	16	8.0	32	52.8	14g	**-1217T**
R16 x 38	16	8.0	38	48.5	17g	**-1218V**
R16 x 44	16	8.0	44	42.8	20g	**-1219W**
R16 x 51	16	8.0	51	37.1	23g	**-1220X**
R16 x 64	16	8.0	64	30.3	27g	**-1221Y**
R16 x 76	16	8.0	76	25.7	34g	**-1222Z**
R20 x 25	20	10.0	25	216.0	20g	**-1326D**
R20 x 32	20	10.0	32	168.0	28g	**-1327E**
R20 x 38	20	10.0	38	129.0	32g	**-1328F**
R20 x 44	20	10.0	44	112.0	38g	**-1329G**
R20 x 51	20	10.0	51	94.0	44g	**-1330H**
R20 x 64	20	10.0	64	72.1	54g	**-1331J**
R20 x 76	20	10.0	76	59.7	63g	**-1332K**
R20 x 89	20	10.0	89	50.5	75g	**-1333L**
R20 x 102	20	10.0	102	44.2	88g	**-1334M**
R20 x 127	20	10.0	127	34.1	107g	**-1336P**
R25 x 32	26	12.5	32	297.0	48g	**-1441V**
R25 x 38	26	12.5	38	219.0	56g	**-1442W**
R25 x 44	26	12.5	44	187.0	57g	**-1443X**
R25 x 51	26	12.5	51	156.0	63g	**-1444Y**
R25 x 64	26	12.5	64	123.0	85g	**-1445Z**
R25 x 76	26	12.5	76	99.0	110g	**-1446A**
R25 x 89	26	12.5	89	84.0	139g	**-1447B**
R25 x 102	26	12.5	102	73.0	144g	**-1448C**
R25 x 115	26	12.5	115	65.0	168g	**-1449D**
R25 x 127	26	12.5	127	57.7	182g	**-1450E**
R25 x 152	26	12.5	152	47.8	222g	**-1452G**
R25 x 178	26	12.5	178	41.0	256g	**-1453H**
R32 x 38	32	16.0	38	388.0	93g	**-1557M**
R32 x 44	32	16.0	44	324.0	105g	**-1558N**
R32 x 51	32	16.0	51	272.0	117g	**-1559P**
R32 x 64	32	16.0	64	212.0	148g	**-1560Q**
R32 x 76	32	16.0	76	172.0	178g	**-1561R**
R32 x 89	32	16.0	89	141.0	204g	**-1562S**
R32 x 102	32	16.0	102	122.0	230g	**-1563T**
R32 x 152	32	16.0	152	78.0	380g	**-1567Y**
R32 x 178	32	16.0	178	67.2	410g	**-1568Z**
R40 x 51	40	20.0	51	350.0	181g	**-1672D**
R40 x 64	40	20.0	64	269.0	220g	**-1673E**
R40 x 76	40	20.0	76	219.0	261g	**-1674F**
R40 x 89	40	20.0	89	190.0	315g	**-1675G**
R40 x 102	40	20.0	102	163.0	341g	**-1676H**
R40 x 127	40	20.0	127	128.0	420g	**-1678K**
R40 x 152	40	20.0	152	105.0	500g	**-1680M**
R50 x 64	51	25.0	64	413.0	416g	**-1785S**
R50 x 76	51	25.0	76	339.0	438g	**-1786T**

Extra Heavy-Load Springs
Colour Coded Yellow



Product Number	Diameter D_H	Diameter D_d	L_0 (mm)	Rigidity (N/mm)	Weight each	Order Code IND-460
G10 x 25	10	4.5	25	36.8	5g	**-3000A**
G10 x 32	10	4.5	32	27.9	7g	**-3001B**
G10 x 38	10	4.5	38	23.7	8g	**-3002C**
G10 x 44	10	4.5	44	19.2	9g	**-3003D**
G10 x 51	10	4.5	51	16.5	10g	**-3004E**
G10 x 64	10	5.0	64	13.2	11g	**-3005F**
G13 x 25	13	7.0	25	58.5	11g	**-3108J**
G13 x 32	13	7.0	32	43.9	11g	**-3109K**
G13 x 38	13	7.0	38	3.70	13g	**-3110L**
G13 x 44	13	7.0	44	30.3	15g	**-3111M**
G13 x 51	13	7.0	51	26.2	80g	**-3112N**
G13 x 64	13	7.0	64	21.2	22g	**-3113P**
G16 x 32	16	8.0	32	89.0	17g	**-3217T**
G16 x 38	16	8.0	38	72.1	22g	**-3218V**
G16 x 44	16	8.0	44	60.9	25g	**-3219W**
G16 x 51	16	8.0	51	52.3	29g	**-3220X**
G16 x 64	16	8.0	64	41.2	36g	**-3221Y**
G16 x 76	16	8.0	76	34.1	42g	**-3222Z**
G20 x 25	20	10.0	25	293.0	23g	**-3326D**
G20 x 32	20	10.0	32	224.0	28g	**-3327E**
G20 x 38	20	10.0	38	177.0	33g	**-3328F**
G20 x 44	20	10.0	44	149.0	39g	**-3329G**
G20 x 51	20	10.0	51	128.0	45g	**-3330H**
G20 x 64	20	10.0	64	99.0	56g	**-3331J**
G20 x 76	20	10.0	76	81.7	64g	**-3332K**
G20 x 89	20	10.0	89	69.5	73g	**-3333L**
G20 x 102	20	10.0	102	60.6	86g	**-3334M**
G25 x 32	26	12.5	32	374.4	48g	**-3441V**
G25 x 38	26	12.5	38	346.0	60g	**-3442W**
G25 x 44	26	12.5	44	244.0	70g	**-3443X**
G25 x 51	26	12.5	51	207.5	80g	**-3444Y**
G25 x 64	26	12.5	64	161.0	99g	**-3445Z**
G25 x 76	26	12.5	76	130.8	114g	**-3446A**
G25 x 89	26	12.5	89	110.5	134g	**-3447B**
G25 x 102	26	12.5	102	96.3	151g	**-3448C**
G25 x 115	25	12.5	115	85.7	174g	**-3449D**
G25 x 127	26	12.5	127	76.3	190g	**-3450E**
G32 x 38	32	16.0	38	528.2	98g	**-3557M**
G32 x 44	32	16.0	44	424.4	115g	**-3558N**
G32 x 51	32	16.0	51	353.0	131g	**-3559P**
G32 x 64	32	16.0	64	269.2	163g	**-3560Q**
G32 x 76	32	16.0	76	218.5	200g	**-3561R**
G32 x 89	32	16.0	89	180.3	226g	**-3562S**
G32 x 102	32	16.0	102	155.0	252g	**-3563T**
G32 x 140	32	16.0	140	112.3	350g	**-3566X**
G32 x 152	32	16.0	152	102.0	380g	**-3567Y**
G40 x 51	40	20.0	51	628.0	190g	**-3672D**
G40 x 64	40	20.0	64	487.0	238g	**-3673E**
G40 x 76	40	20.0	76	379.0	275g	**-3674F**
G40 x 89	40	20.0	89	321.0	330g	**-3675G**
G50 x 64	50	25.0	64	709.0	410g	**-3785S**
G50 x 89	51	25.0	89	475.0	593g	**-3787V**

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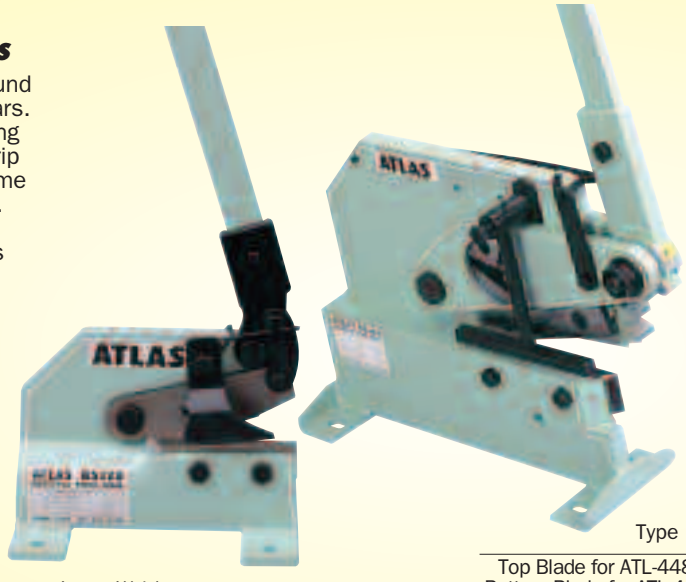
ATLAS WORKHOLDERS Bench Shears

Hand operated, compound lever action bench shears. Capable of rapidly cutting through metal plate, strip and bar. Solid steel frame for rigidity and strength. With hardened and precision ground blades for accurate cutting. Adjustable blade guard.





Model Number	Plate	Maximum Strip	Bar	Jaw Width	Weight each	Order Code ATL-448
BS120	4mm	5 x 70	10	120	8.3kg	**-1200K**
BS200	6mm	7 x 70	13	200	19.0kg	**-2000K**
BS406	8mm	10 x 100	16	200	43.0kg	**-3000K**

Type	Weight each	Order Code ATL-567
Top Blade for ATL-448-1200K Shear	445g	**-3100K**
Bottom Blade for ATL-448-1200K Shear	250g	**-3110K**
Top Blade for ATL-448-2000K Shear	1.4kg	**-3150K**
Bottom Blade for ATL-448-2000K Shear	790g	**-3160K**
Top Blade for ATL-448-3000K Shear	430g	**-3200K**
Bottom Blade for ATL-448-3000K Shear	220g	**-3210K**

JHL Single Knurl Toolholder

Machine ground high grade steel, black mottle finish.
Fitted as standard with medium pitch straight hand knurl.
Right, left and checkered also available separately, see table below.
For use with knurl size 3/4" x 1/4" x 1/4".



Size	Knurls Fitted	Weight each	Order Code JHL-450
1/2" x 1/2" x 4"	-1510B	140g	**-8050F**

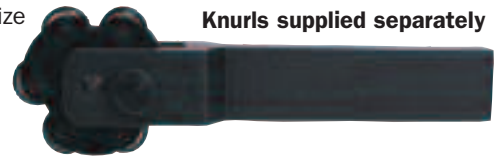
3/4" x 1/4" x 1/4" Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450 Coarse	Medium	Fine
Straight	10g	**-1500A**	**-1510B**	**-1520C**
Right Hand	10g	**-1600A**	**-1610B**	**-1620C**
Left Hand	10g	**-1700A**	**-1710B**	**-1720C**
Checkered	10g	**-1800A**	**-1810B**	**-1820C**

Six Knurl Toolholder

Machine ground high grade steel, black mottle finish.
Revolving head.
For use with knurl size 3/4" x 3/8" x 1/4".

Knurls supplied separately



Size	Knurls Fitted	Weight each	Order Code JHL-450
1/2" x 1 1/8" x 6 1/2"	-1110B & -1210B	640g	**-8000A**

Two Knurl Toolholder

Machine ground high grade steel, black mottle finish.
Self-adjusting head.
For use with knurl size 3/4" x 3/8" x 1/4".

Knurls supplied separately



Size	Knurls Fitted	Weight each	Order Code JHL-450
1/2" x 7/8" x 6 1/2"	-1110B & -1210B	290g	**-8020C**

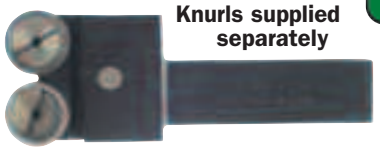
3/4" x 3/8" x 1/4" Knurls to suit Toolholders above

Style	Weight each	Order Code JHL-450 Coarse	Medium	Fine
Straight	10g	**-1000A**	**-1010B**	**-1020C**
Right Hand	10g	**-1100A**	**-1110B**	**-1120C**
Left Hand	10g	**-1200A**	**-1210B**	**-1220C**
Checkered	10g	**-1300A**	**-1310B**	**-1320C**

Two Knurl Toolholder

Side knurling up to a face or shoulder.
For use with knurl size 25 x 10 x 16mm.

Knurls supplied separately



Size	Knurls Fitted	Weight each	Order Code JHL-450
20 x 25 x 85mm	-3110B & -3210B	900g	**-8040E**

25 x 10 x 16mm Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450 Coarse	Medium	Fine
Straight	10g	**-3000A**	**-3010B**	**-3020C**
Right Hand	10g	**-3100A**	**-3110B**	**-3120C**
Left Hand	10g	**-3200A**	**-3210B**	**-3220C**

Two Knurl Toolholder

Machine ground high grade steel, black mottle finish.
Self-adjusting head.
For use with knurl size 5/8" x 5/16" x 7/32".

Knurls supplied separately



Size	Knurls Fitted	Weight each	Order Code JHL-450
3/8" x 7/8" x 5 1/2"	Supplied separately	390g	**-8030D**

5/8" x 5/16" x 7/32" Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450 Coarse	Medium	Fine
Straight	10g	**-2000A**	**-2010B**	**-2020C**
Right Hand	10g	**-2100A**	**-2110B**	**-2120C**
Left Hand	10g	**-2200A**	**-2210B**	**-2220C**
Checkered	10g	**-2300A**	**-2310B**	**-2320C**

Six Knurl Toolholder

Machine ground high grade steel, black mottle finish.
Revolving head.
For use with knurl size 5/8" x 3/16" x 1/4".

Knurls supplied separately



Size	Knurls Fitted	Weight each	Order Code JHL-450
1/2" x 7/8" x 6 1/2"	-2610B & -2710B	930g	**-8010B**

5/8" x 3/16" x 1/4" Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450 Coarse	Medium	Fine
Straight	10g	**-2500A**	**-2510B**	**-2520C**
Right Hand	10g	**-2600A**	**-2610B**	**-2620C**
Left Hand	10g	**-2700A**	**-2710B**	**-2720C**
Checkered	10g	**-2800A**	**-2810B**	-

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INDEXA Self-Centring Geared Scroll Lathe Chucks

Universal. Scrolls are forged, balanced and hardened. Thread flanks are ground on both sides. All models have grease nipples for easy lubrication and are supplied with two sets of solid jaws - internal and external stepped.

Cast Iron 3 Jaw Plain Back Chuck
DIN 6350 (form A).
Three jaw plain back with adaptor recess.
Model 003-204
Rear mounting.
Model 003-274
Front mounting.



Chuck Size (mm)	Through Hole	Weight each	Order Code **IND-475** 003-204 Rear Mount	003-274 Front Mount
80	16	1.51kg	**-1010K**	-
80	18	1.70kg	-	**-1220K**
100	20	2.98kg	**-1030K**	**-1230K**
125	32	4.84kg	**-1040K**	**-1240K**
160	42	9.78kg	**-1060K**	**-1260K**
200	55	16.0kg	**-1070K**	**-1270K**
250	76	27.9kg	**-1080K**	**-1280K**
315	103	47.5kg	**-1090K**	**-1290K**

Cast Iron 3 Jaw Plain Back Chuck
DIN 6350 (form A).
Three jaw plain back with adaptor recess.
Model 003-275
Front mounting, reversible jaws.



Chuck Size (mm)	Through Hole	Weight each	Order Code **IND-475**
125	32	5.0kg	**-1450K**
160	42	10.8kg	**-1460K**
200	55	17.5kg	**-1470K**
250	76	29.2kg	**-1480K**
315	103	50.0kg	**-1490K**

Steel 3 Jaw Plain Back Chuck
DIN 6350 (form A).
Three jaw plain back with adaptor recess.
Model 003-504
Rear mounting.



Chuck Size (mm)	Through Hole	Weight each	Order Code **IND-475**
100	20	3.0kg	**-1630K**
125	35	5.0kg	**-1640K**
160	42	8.5kg	**-1660K**
200	55	16.0kg	**-1670K**
250	76	32.0kg	**-1680K**
315	103	50.0kg	**-1690K**

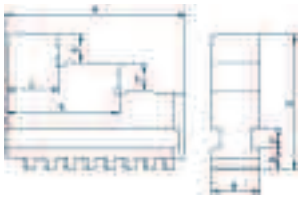
Lathe Chuck Jaws For Self-Centring Lathe Chucks

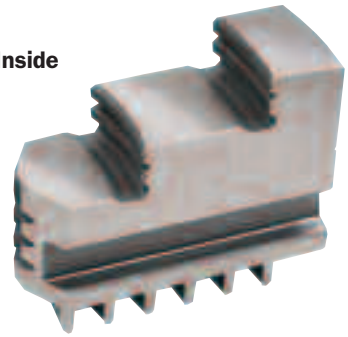
For self-centring lathe chucks (IND-475) - Indexa 3200 and 3500.
Chuck jaws supplied in sets of three.

Hard Jaws

Inside

Fig.2





Size (mm)	Dimensions (mm) A	B	C	D	E	F	G	H	Order Code **IND-490** **Inside** (fig.2)
100	42	15	32	6	6	7	11	27	**-1020K**
125	51	20	40	8	8	8	13	33.5	**-1030K**
160	70	20	53	8	8	10	19	45	**-1050K**
200	85	25	54	9	10	12	23	57	**-1060K**
250	105	28	63	11	12	14	28	69.5	**-1070K**
315	125	32	73	12.7	12	18	34.5	83	**-1080K**

Lathe Chuck Keys

Supplied as standard with all Indexa lathe chucks manufactured from high quality steel, ground finish body, sliding T-bar and spring return fitted to square drive. Suitable for use with all other makes of square drive adjusting lathe chucks.



Square (AF) Size (mm)	Use With Chucks	Weight each	Order Code **IND-490**
11	160/200	347g	**-5930K**
14	250/315	756g	**-5950K**

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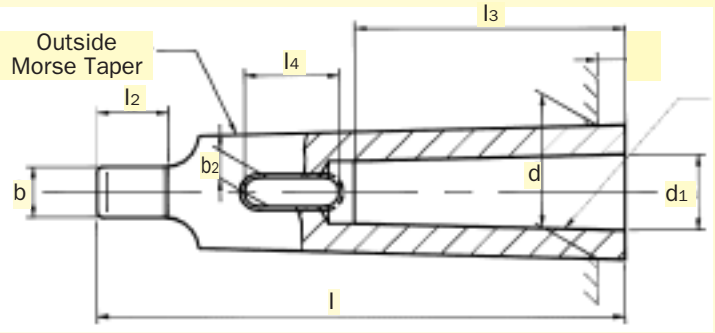
KENNEDY Morse Taper Tooling

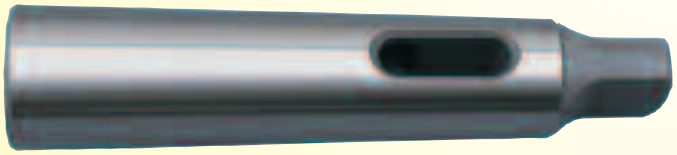
A range of quality traditional workholding equipment. Manufactured from high quality steel and case hardened all over. All sleeves and sockets are fully hardened and ground internally and externally.
ISO 238 BS 1660 : 2.

Morse Taper Sleeve Data



MT Inside	MT Outside	l	d	b	l2	d1	l3	l4	b2
1	2	92.00	17.780	6.350	11.112	12.065	52.388	19.050	5.410
1	3	99.00	23.825	7.938	14.288	12.065	52.388	19.050	5.410
2	3	112.00	23.825	7.938	14.288	17.780	63.500	22.225	6.604
1	4	124.00	31.267	11.906	15.875	12.065	52.388	19.050	5.410
2	4	124.00	31.267	11.906	15.875	17.780	63.500	22.225	6.604
3	4	140.00	31.267	11.906	15.875	23.825	77.788	30.162	8.179
1	5	156.00	44.399	15.875	19.050	12.065	52.388	19.050	5.410
2	5	156.00	44.399	15.875	19.050	17.780	63.500	22.225	6.604
3	5	156.00	44.399	15.875	19.050	23.825	77.788	30.162	8.179
4	5	171.00	44.399	15.875	19.050	31.267	98.425	31.750	12.141
1	6	218.00	63.348	19.050	28.575	12.065	52.388	19.050	5.410
2	6	218.00	63.348	19.050	28.575	17.780	63.500	22.225	6.604
3	6	218.00	63.348	19.050	28.575	23.825	77.788	30.162	8.179
4	6	218.00	63.348	19.050	28.575	31.267	98.425	31.750	12.141
5	6	218.00	63.348	19.050	28.575	44.399	125.412	38.100	16.129

Drill Sleeves



Taper Inside x Outside	Length (mm)	Weight each	Order Code KEN-482
1 x 2 MT	95	110g	**-2120K**
1 x 3 MT	97	220g	**-2130K**
1 x 4 MT	120	560g	**-2140K**
1 x 5 MT	152	1500g	**-2150K**
2 x 3 MT	110	200g	**-2230K**
2 x 4 MT	123	490g	**-2240K**
2 x 5 MT	155	1500g	**-2250K**
3 x 4 MT	140	430g	**-2340K**
3 x 5 MT	155	1200g	**-2350K**
4 x 5 MT	170	1100g	**-2450K**
4 x 6 MT	215	3600g	**-2460K**
5 x 6 MT	225	2800g	**-2560K**

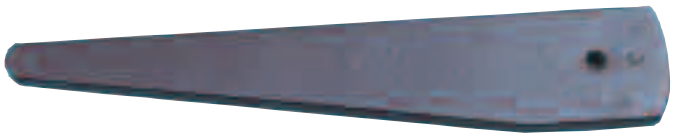
Extension Sockets



Taper Inside x Outside	Length (mm)	Weight each	Order Code KEN-482
1 x 1 MT	145	275g	**-4110K**
1 x 2 MT	160	290g	**-4120K**
2 x 1 MT	175	300g	**-4210K**
2 x 2 MT	175	390g	**-4220K**
2 x 3 MT	194	710g	**-4230K**
3 x 2 MT	194	620g	**-4320K**
3 x 3 MT	230	750g	**-4330K**
3 x 4 MT	255	1400g	**-4340K**
4 x 3 MT	255	1500g	**-4430K**
4 x 5 MT	300	3000g	**-4450K**
5 x 4 MT	300	2500g	**-4540K**

Drill Drifts

To release Morse Taper Tooling without damaging machine socket or tools.



To Release Morse Taper	Weight each	Order Code KEN-482
0	40g	**-9500K**
1 & 2	80g	**-9520K**
3	220g	**-9530K**
3 & 5	380g	**-9540K**
5 & 6	760g	**-9560K**

Drill Sleeve & Drift Set

Set of three drill sleeves 1 - 2, 2 - 3, 3 - 4 MT.
Fully hardened and ground inside and out.
Two drill drifts to release 1 - 2 and 3 - 4 MT.

5 PIECES



No. of Pieces	Weight Set	Order Code KEN-482
5	995g	**-9900K**

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KENNEDY Standard Duty Revolving Centres

Manufactured from high alloy steel hardened and tempered then precision ground externally. Precision bearings are fitted as standard and the centres have a 60° point. Mounting Tapers are accurate to **DIN228** Form A, Tolerance Class AT5.

Maximum runout:
No.1 to 4 taper: 0.005mm.
No.5 to 6 taper: 0.010mm.



Morse Taper	Max rpm	Radial Load (rpm) @100 (kgf)	Radial Load (rpm) @max (kgf)	Axial Load(rpm) @100 (kgf)	Axial Load(rpm) @3000 (kgf)	Weight each	Order Code **KEN-488**
No.1	7000	80	32	250	50	0.37kg	**-1010K**
No.2	7000	200	55	275	60	0.43kg	**-1020K**
No.3	6000	300	70	400	70	0.67kg	**-1030K**
No.4	5000	600	75	500	125	1.23kg	**-1040K**
No.5	4000	800	280	570	230	3.00kg	**-1050K**

Heavy Duty Revolving Centres

Manufactured from high alloy steel, heat treated and precision ground. Fitted with heavy duty precision taper roller and thrust bearings to support both radial and axial loads. The 60° point is ground after assembly for absolute concentricity. Designed for heavy load and high production applications where durability is the main criteria. Mounting Tapers are accurate to **DIN228** Form A, Tolerance Class AT5.

Maximum runout:
No.2 to 5 taper: 0.005mm.
No.6 taper: 0.010mm.



Morse Taper	Max rpm	Radial Load (rpm) @100 (kgf)	Radial Load (rpm) @max (kgf)	Axial Load(rpm) @100 (kgf)	Axial Load(rpm) @3000 (kgf)	Weight each	Order Code **IND-488**
No.1	5000	35	10	190	50	0.25kg	**-2010K**
No.2	5000	85	20	350	100	0.35kg	**-2020K**
No.3	4000	175	50	700	200	0.92kg	**-2030K**
No.4	3000	350	125	700	200	1.45kg	**-2040K**
No.5	2500	800	350	1200	500(1)	3.55kg	**-2050K**
No.6	2000	1250	600	3000	1000(2)	11.40kg	**-2060K**

(1)@2500rpm; (2)@2000rpm

Industrial Solid Centres

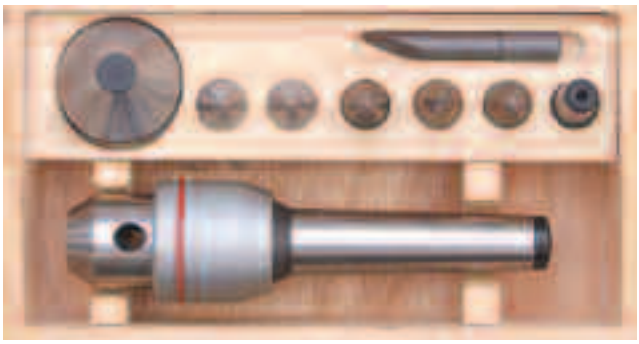
Manufactured from high quality tool steel, hardened and ground with 60° point and spanner flats as standard. Mounting Tapers are accurate to **DIN228** Form A, Tolerance Class AT5.



Morse Taper	Diameter (mm)	Across Flats	Length (mm)	Weight each	Order Code **KEN-487**
No.1	12.20	10	78	60g	**-1010K**
No.2	18.00	13	90	200g	**-1020K**
No.3	24.10	19	138	300g	**-1030K**
No.4	31.60	24	138	450g	**-1040K**

Standard Duty Interchangeable Revolving Centre Sets

Manufactured from high alloy steel, precision ground internally and externally with pre-lubricated bearings. A versatile revolving centre with interchangeable points for a wide variety of applications. Ideal for toolroom or manufacture of small turned components. Points fit into body by means of a taper and are removed by use of the drift key supplied. All mating surfaces are precision ground and the set is supplied in a varnished wooden storage box.

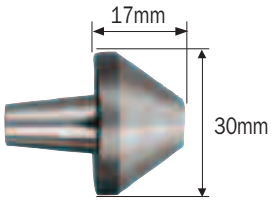


Morse Taper	Axial Load at 100rpm	Radial Load at 100rpm	Max rpm	Max Runout
No. 2	200Kgf	100Kgf	4000	0.005mm
No. 3	400Kgf	200Kgf	3000	0.005mm

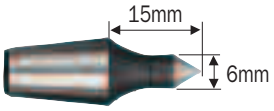
Morse Taper	Length (mm)	Diameter (mm)	Weight each	Order Code **KEN-488**
No.2	124	33	0.85kg	**-1320K**
No.3	152	42	1.10kg	**-1330K**

Interchangeable Points

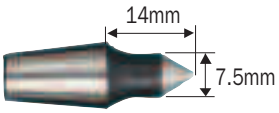
A complete range of interchangeable points to complement the revolving centre sets.



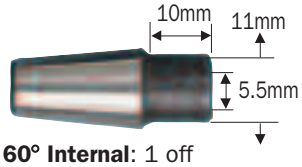
Cone: 1 off



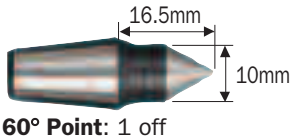
60° Point: 1 off



60° Point: 1 off



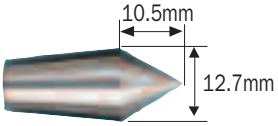
60° Internal: 1 off



60° Point: 1 off



Drift Key



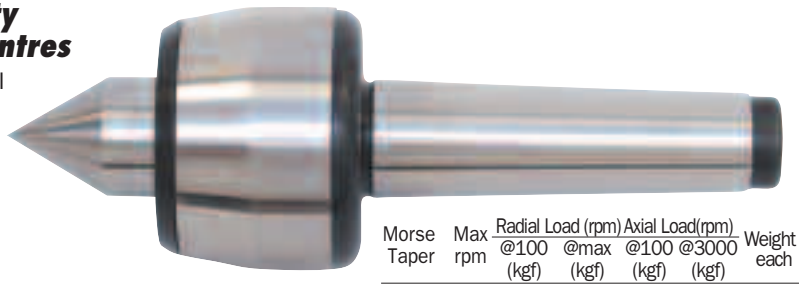
60° Point: 2 off

Description	Weight each	Order Code **KEN-489**
60° Point x 6mm Dia.	20g	**-1020K**
60° Point x 7.5mm Dia.	20g	**-1030K**
60° Point x 10mm Dia.	25g	**-1040K**
60° Point x 12.7mm Dia.	20g	**-1050K**

ATLAS WORKHOLDERS Standard Duty Revolving Centres

Manufactured from high alloy steel hardened and tempered then precision ground externally. Precision bearings are fitted as standard and the centres have a 60° point.

Maximum runout: 0.005mm.



Morse Taper	Max rpm	Radial Load (rpm) @100 (kgf)	Radial Load (rpm) @max (kgf)	Axial Load(rpm) @100 (kgf)	Axial Load(rpm) @3000 (kgf)	Weight each	Order Code **ATL-488**
No.2	7000	200	50	250	50	0.50kg	**-1020K**
No.3	6000	300	80	380	90	0.80kg	**-1030K**
No.4	5000	800	220	900	270	2.30kg	**-1040K**

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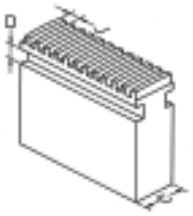
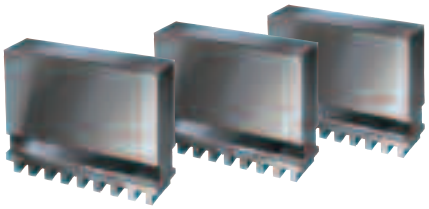
KENNEDY Scroll Jaws

To Suit Pratt Burnard Chucks
For Standard, Super Precision, Griptru. All steel (type 78), Pratt Burnard old type (Inch) and Hardinge chucks.



Chuck Type	Jaw Code (Refer to Diameter)
Standard, Griptru, Super Precision	**B, C, E, G, J, M, P, Q, R**
All Steel (Type 78)	**L, O**
Burnard	**I, K, N**
Pratt Old Type	**H**
Hardinge/Pratt Type	**F**

3 Jaw Sets



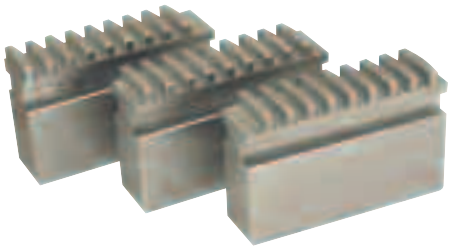
4 and 6 jaw sets available on request

Jaw Code	Dimensions (mm) Chuck Diameter	C	D	J	Order Code KEN-490
EJC	100mm	14.10	4.85	5.08	**-1030K**
EJE	125mm	15.75	8.03	6.35	**-1050K**
EJF	125mm	14.10	4.85	6.35	**-1060K**
EJG	160mm	18.79	8.03	6.35	**-1070K**
EJJ	200mm	20.62	9.53	8.46	**-1100K**
EJL	230mm	25.40	9.52	8.46	**-1120K**
EJM	250mm	25.40	11.10	8.46	**-1130K**
EJP	315mm	28.19	12.88	8.46	**-1160K**

Scroll Jaws

To suit Pratt Burnard metric chucks (Standard Accuracy and Super Precision).

3 Jaw Sets



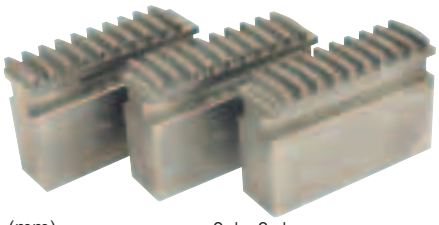
4 and 6 jaw sets available on request

Jaw Code	Dimensions (mm) Chuck Diameter	C	D	J	Order Code KEN-490
EK16	160mm	18	7	6	**-6030K**
EK20	200mm	22	8	8	**-6040K**
EK25	250mm	25	8	8	**-6050K**
EK32	315mm	32	12	10	**-6060K**

Soft Scroll Jaws

To suit Indexa/ Bison chucks.

3 Jaw Sets

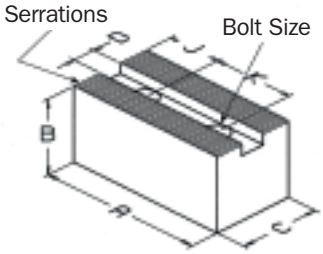


Jaw Code	Dimensions (mm) Chuck Diameter	C	D	J	Order Code KEN-490
EN08	80mm	11	6	4	**-6180K**
EN10	100mm	15	6	6	**-6200K**
EN13	125mm	20	8	7	**-6220K**
EN16	160mm	20	8	8	**-6230K**
EN20	200mm	25	10	8	**-6240K**
EN25	250mm	28	12	9	**-6250K**
EN32	315mm	32	12	10	**-6260K**

Serrated Soft Jaws

To suit metric serrated power chucks (Kitagawa/Howa/ Matsumoto/Pratt Burnard/ SMW/Autoblok etc.).

3 Jaw Sets



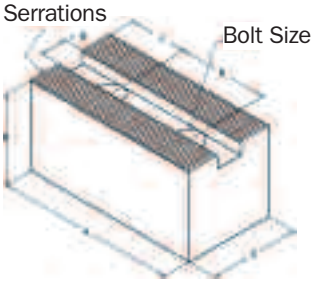


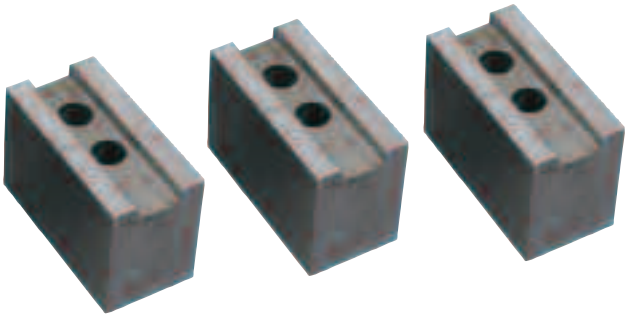
Jaw Code	Chuck Diameter	Dimensions (mm) A	B	C	D	K/J Bolt	Serrations	Order Code KEN-490
BO06	165mm	72	38	32	12	20/15/M10	1.5mm x 60	**-5560K**
DJ06	165mm	72	57	32	12	20/15/M10	1.5mm x 60	**-5860K**
PT06	165mm	82	32	32	12	20/15/M10	1.5mm x 60	**-2060K**
BO08	210mm	95	44	32	14	25/25/M12	1.5mm x 60	**-5580K**
DJ08	210mm	95	70	32	14	25/25/M12	1.5mm x 60	**-5880K**
PT08	210mm	102	44	32	14	25/20/M12	1.5mm x 60	**-2080K**
BO10	254mm	110	40	40	16	30/30/M12	1.5mm x 60	**-5600K**
DJ10	254mm	110	80	40	16	30/30/M12	1.5mm x 60	**-5900K**
DK10	254mm	90	60	40	16	30/21/M12	1.5mm x 60	**-5970K**
PT10	254mm	125	40	40	16	30/30/M12	1.5mm x 60	**-2100K**
DK11	254mm	110	60	40	16	30/21/M12	1.5mm x 60	**-5980K**
BO12	315mm	130	50	50	18	30/40/M14	1.5mm x 60	**-5620K**
DJ12	315mm	130	80	50	18	30/40/M14	1.5mm x 60	**-5920K**
BR13	315mm	130	50	50	21	30/40/M16	1.5mm x 60	**-5700K**
DJ13	315mm	130	80	50	21	30/40/M16	1.5mm x 60	**-5930K**
BO15	380mm	165	76	64	22	43/37/M20	1.5mm x 60	**-5650K**
DJ15	380mm	165	127	64	22	43/37/M20	1.5mm x 60	**-5950K**
BO18	454/530/610mm	180	76	64	25	60/40/M20	3.0mm x 60	**-5660K**

Serrated Soft Jaws

To suit inch serrated power chucks (Berg/Forkardt/Rohm/Pratt Burnard/ SMW/Autoblok etc).

3 Piece Set





Jaw Code	Chuck Diameter	Dimensions (mm) A	B	C	D	K/J Bolt	Serrations	Order Code KEN-490
BN90	165/200mm	90	60	40	17.0	22/15/M12	1/16" x 90	**-5090K**
BN12	250/315mm	120	80	50	21.0	28/20/M16	1/16" x 90	**-5120K**
BN23	400/500/630mm	155	89	64	25.5	35/30/M20	3/32" x 90	**-5230K**

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KENNEDY Huntington Type Wheel Dressers

With improved quick release cutter wheel design which reduces down-time when changing wheels. Ergonomically designed cast iron handle and case hardened, polished cutters. Suitable for cleaning, sharpening and truing grinding wheels.



Type	For Wheel Diameter	Weight each	Order Code KEN-495
No.0	Up to 510mm (20")	0.85kg	**-0100K**
No.1	Up to 760mm (30")	1.00kg	**-0110K**
No.2	Over 760mm (30")	2.50kg	**-0120K**



Replacement Wheel Sets



Description	Weight per 10 Sets	Order Code KEN-495
Spare Wheels for Type No.0	0.45kg	**-1000K**
Spare Wheels for Type No.1	0.53kg	**-1010K**
Spare Wheels for Type No.2	2.90kg	**-1020K**

Replacement Parts

Description	Weight per 10	Order Code KEN-495
Side Bush for Type No.0	79g	**-2000K**
Cutter Bush for Type No.1	110g	**-2010K**
Cutter Bush for Type No.2	234g	**-2020K**
Spare Spindle for Type No.0	130g	**-3000K**
Spare Spindle for Type No.1	310g	**-3010K**
Spare Spindle for Type No.2	310g	**-3020K**
Side Washer for Type No.1	70g	**-4010K**
Side Washer for Type No.2	50g	**-4020K**

KENNEDY Diamond Point Wheel Dressing Tools

Single-Point Tools

For general use. The diamond point can be reset when it 'flats', giving extended tool life (resetting prices available on request). ½" x 6" holder size.



Product Number	Diamond Size, Carat	For use on Wheel	Weight each	Order Code KEN-496
SP50	0.50	180mm (7")	160g	**-0050K**
SP75	0.75	255mm (10")	160g	**-0070K**
SP100	1.00	355mm (14")	170g	**-0100K**
SP150	1.50	460mm (18")	170g	**-0150K**
SP200	2.00	600mm (24")	170g	**-0200K**

Chisel-Point Tools

Designed for dressing formed wheels. Similar to single point tools but more robust and no resetting required. ⅜" x 3" holder size.



Product Number	Included Angle	Nose Radius	Weight each	Order Code KEN-496
D605		0.005"	160g	**-1000K**
D405		0.005"	170g	**-1100K**

SENATOR QUALITY TOOLING Diamond Dressers

For truing and dressing grinding wheels. Truing is the process of aligning the periphery of the grinding wheel so that it runs concentric with its axis of rotation. This allows accurate and precise relative motion between the grinding wheel and the part being ground. Dressing removes dulled abrasives and foreign material that has been embedded into the wheel. This allows the wheel to cut properly. These tools are mainly used to true straight-faced wheels.

3 Piece Set

For medium duty use. ½" dia. x 6" **(-9100K)**.



Wheel Size (mm)	Carat Size	Weight each	Order Code SEN-496
Up to 150	0.25	149g	**-0250K**
Up to 180	0.50	150g	**-0500K**
Up to 250	0.75	150g	**-0750K**
Up to 350	1.00	151g	**-1000K**
Up to 500	1.50	149g	**-1500K**
Up to 600	2.00	150g	**-2000K**
3 Piece Set 0.5, 0.75 & 1 Carat Set			**-9100K**

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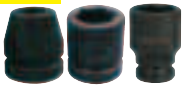
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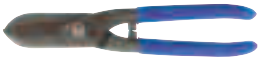
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HAND TOOLS

Product Groups 501 - 603

Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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Multimeters & Voltage Detectors		516	**368 - 372**
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Pipe Tools		588	**544 - 549**
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	- 1/4" Square Drive		**526 - 527**
	- 3/8" Square Drive		**528 - 530**
	- 1/2" Square Drive		**530 - 535**
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KENNEDY PROFESSIONAL Cushion Grip Adjustable Wrenches

Drop forged chrome vanadium steel with phosphate anti-corrosion finish. Hardened parallel opening jaws are ground and polished, laser etched with metric graduations for rapid repeatable reference setting. The wide grooved profile of the opening mechanism and coarsely knurled adjusting screw ensures smooth adjustment. Slim head profile allows easy access, the contoured jaws improve grip when used on damaged misshaped fasteners. The unique geomatic cushion grip improves user comfort, is resistant to oil and grease to provide a slip free grip. Securely bonded to the I-beam handle sub frame to prevent the ingress of oil and dirt.

Conforms to: **BS 6333-1995, DIN3117-1988**.



Tapered Jaw For Access Into Tight Spaces.



Kennedy Professional 150mm Wrench
Jaw capacity: 24mm



UP TO 20% GREATER JAW CAPACITY THAN CONVENTIONAL ADJUSTABLE WRENCHES



Conventional 150mm Wrench
Jaw capacity: 20mm



GROOVED JAW FOR POSITIVE GRIP EVEN ON WORN SURFACES



Length (mm)	Jaw Opening	Fastener Range	Weight each	Order Code KEN-501
150 (6”)	23.9mm	M2-M14 (1/8” - 9/16”)	140g	**-3060K**
200 (8”)	28.6mm	M4-M18 (3/16” - 5/8”)	260g	**-3080K**
250 (10”)	32.8mm	M6-M20 (1/4” - 3/4”)	400g	**-3100K**
300 (12”)	38.1mm	M8-M24 (5/16” - 1”)	650g	**-3120K**

Twin Pack

2 PIECES



Contents	Weight each	Order Code KEN-501
200 & 300mm	800g	**-0640K**

KENNEDY QUALITY INDUSTRIAL TOOLING Extra Wide Jaw Adjustable Wrench

Drop forged chrome vanadium steel. Rubber comfort grip handle.
Ideal for use in plumbing, installation and automotive applications.
Ultra thin head designed for use in confined spaces.
Graduated millimetre scale.
More than 50% wider jaw compared to conventional adjustable wrenches.

Conforms to: **ISO 6787-1982, ASME B.107.8M-1996, BS 6333-1995, DIN3117-1988, JIS B4604-1976**.



Length (mm)	Jaw Opening (mm)	Weight each	Order Code KEN-501
150 (6”)	34.0	176g	**-5060K**
200 (8”)	38.0	315g	**-5080K**
250 (10”)	50.0	554g	**-5100K**
300 (12”)	60.0	868g	**-5120K**

Combi Grip Adjustable Wrenches

These wrenches have a quick release reversible lower jaw with a serrated side with extra hard teeth for pipe gripping, a strong handle and a phosphated corrosion resistant finish.
The smooth adjusting action makes them fast and easy to use.
Conform to: **ISO 6787-1982, ASME B.107.8M-1996, BS 6333-1995, DIN 3117-1988, JIS B4604-1976**.





Length (mm)	Jaw Opening (mm)	Weight each	Order Code KEN-501
250 (10”)	30.0	345g	**-4100K**
300 (12”)	35.0	890g	**-4120K**

HAND TOOLS

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KENNEDY Adjustable Wrenches

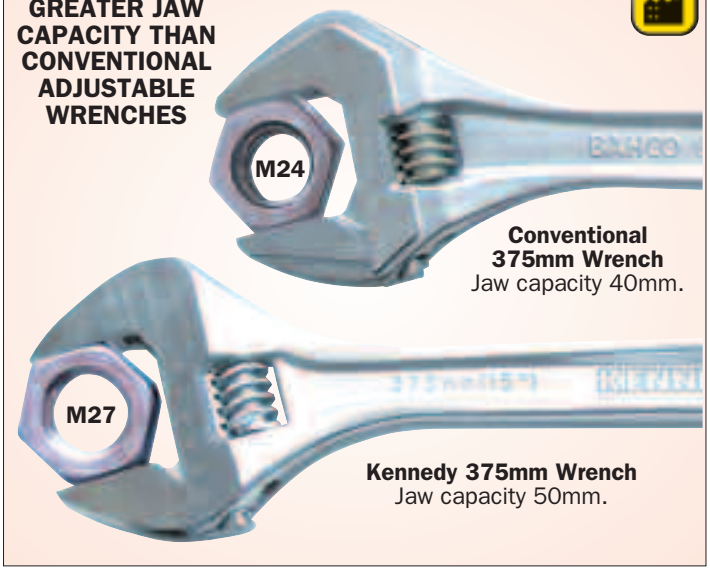
Manufactured from high strength 'I' beam section chrome or phosphate vanadium steel for improved strength and rigidity, the jaws are heat treated for extended tool life. High polished corrosion-resistant finish. 15° offset head angle for positive torque control. Slimline tapered jaws for improved access into confined spaces. Parallel jaws with smooth jaw adjustment and self-locking design prevents the jaws opening unintentionally even when under full load. Suitable for industrial engineering, automotive, agricultural, maintenance and assembly applications.

Conforms to: **BS 6333-1995, DIN3117-1988.**



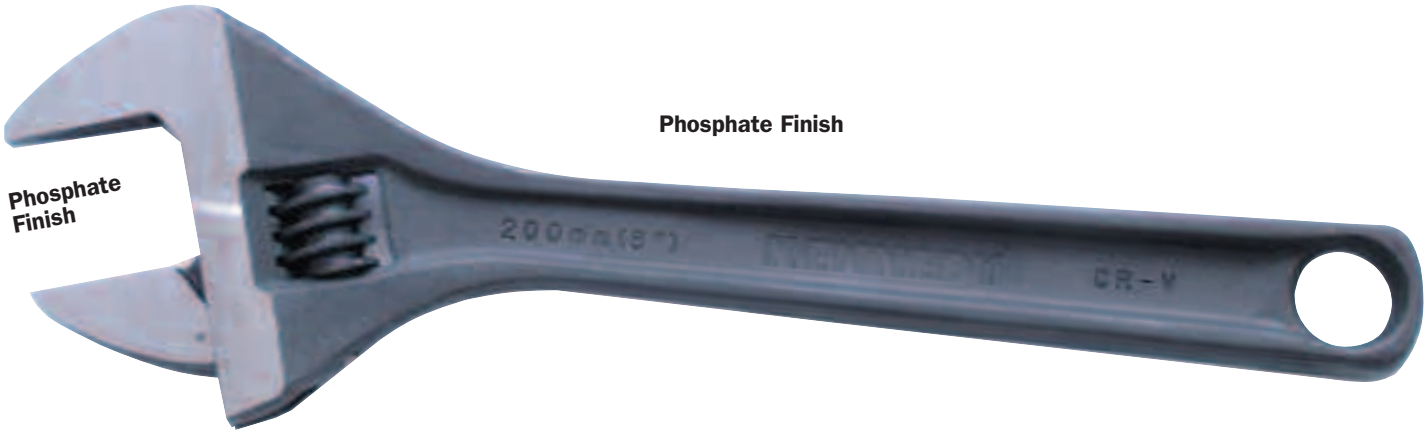
Tapered Jaw For Access Into Tight Spaces

UP TO 20% GREATER JAW CAPACITY THAN CONVENTIONAL ADJUSTABLE WRENCHES



Conventional 375mm Wrench
Jaw capacity 40mm.

Kennedy 375mm Wrench
Jaw capacity 50mm.



Phosphate Finish

Length (mm)	Jaw Opening (mm)	Torque (kg/cm)	Weight each	Order Code KEN-501
100 (4")	17 (21/32")	714	60g	-0040K
150 (6")	24 (1")	1670	140g	-0060K
200 (8")	28 (1 3/32")	3100	260g	-0080K
250 (10")	33 (1 5/16")	5190	400g	-0100K
300 (12")	38 (1 3/8")	8820	650g	-0120K
375 (15")	50 (2")	17295	1040g	-0150K
450 (18")	60 (2 3/8")	23060	1670g	-0180K
600 (24")	70 (2 3/4")	25000	3300g	-0240K

Chrome Finish

Length (mm)	Jaw Opening (mm)	Torque (kg/cm)	Weight each	Order Code KEN-501
100 (4")	17 (21/32")	714	60g	-1040K
150 (6")	24 (1")	1670	140g	-1060K
200 (8")	28 (1 3/32")	3100	260g	-1080K
250 (10")	33 (1 5/16")	5190	400g	-1100K
300 (12")	38 (1 3/8")	8820	650g	-1120K
375 (15")	50 (2")	17295	1040g	-1150K
450 (18")	60 (2 3/8")	23060	1670g	-1180K

Phosphate Finish Sets

2 PIECES 3 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-501
3	100, 200 & 300mm	1100g	-0600K
2	150 & 250mm	540g	-0620K

Chrome Finish Set

3 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-501
3	100, 200 & 300mm	1100g	-1600K

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YAMOTO Satin Finish Adjustable Wrenches

Slimline tapered parallel jaws for improved access into confined spaces with smooth jaw adjustment and self-locking design prevents the jaws opening unintentionally even when under full load. Graduated laser etched jaws for fast repeatable jaw setting and adjustment. Manufactured from 'I' beam section chrome vanadium steel for improved strength and rigidity, the jaws are heat treated for extended tool life. Corrosion-resistant satin finish. 22.5° offset head angle for positive torque control. Suitable for marine engineering, automotive, aerospace, agricultural maintenance and assembly applications. Conforms to: **BS 6333-1995, DIN3117-1988**.



Torque Ratings
Conform to **ISO 6787:1982**.

Length (mm)	Jaw Opening (mm)	Torque kg/cm	Weight each	Order Code YMT-501
150 (6")	20 (¾")	1670	140g	**-2060K**
200 (8")	25 (1")	3100	260g	**-2080K**
250 (10")	30 (1 3/16")	5190	400g	**-2100K**
300 (12")	35 (1⅜")	8820	650g	**-2120K**
375 (15")	44 (1¾")	17295	950g	**-2150K**

Sets

Number of Pieces	Contents	Weight each	Order Code YMT-501
2	150 & 250mm	650g	**-2400K**
2	200 & 300mm	1020g	**-2500K**

SENATOR QUALITY TOOLING Chrome Finish Adjustable Wrenches

Manufactured from 'I' beam section chrome vanadium steel for improved strength and rigidity, the jaws are heat treated for extended tool life. High polished corrosion-resistant chrome finish. 22.5° offset head angle for positive torque control. Slimline tapered jaws for improved access into confined spaces. Parallel jaws with smooth jaw adjustment and self-locking design prevents the jaws opening unintentionally even when under full load. Suitable for industrial engineering, automotive, aerospace, maintenance and assembly applications.



Torque Ratings
Conform to: **ISO 6787:1982.**

Length (mm)	Torque kg/cm	Weight each	Order Code SEN-501
100 (4")	690	60g	**-1040K**
150 (6")	1670	140g	**-1060K**
200 (8")	3100	260g	**-1080K**
250 (10")	5190	400g	**-1100K**
300 (12")	8820	650g	**-1120K**
380 (15")	17295	1300g	**-1150K**
457 (18")	23060	1990g	**-1180K**
612 (24")	28807	3400g	**-1240K**

Chromed Drop Forged Adjustable Wrenches

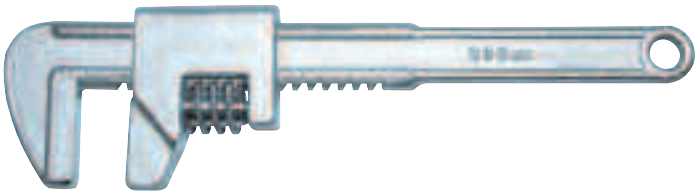
Tapered jaws for improved access into confined spaces. Smooth jaw adjustment. Graduated laser etched jaw for fast jaw setting. Manufactured from chromed drop forged steel.



Size	Jaw Opening	Weight each	Order Code SEN-501
150mm (6")	20mm	140g	**-4060K**
200mm (8")	24mm	280g	**-4080K**
250mm (10")	30mm	435g	**-4100K**
300mm (12")	34mm	720g	**-4120K**
778mm (30")	93mm	5800g	**-1300K**

Chromed Drop Forged General-Purpose Wrench

Made from fully chrome plated drop forged steel. Jaw opening capacity 68mm. 90° sliding jaw.
Overall length: 230mm.



Length (mm)	Jaw Opening (mm)	Weight each	Order Code SEN-501
230 (9")	68	500g	**-5100K**

KENNEDY QUALITY INDUSTRIAL TOOLING Service Kits

Consisting of replacement jaw, knurl and pin.



Finish	Wrench Size (mm)	Weight each	Order Code KEN-567
Phosphate	150 (6")	25g	**-0060K**
	200 (8")	55g	**-0080K**
	250 (10")	90g	**-0100K**
	300 (12")	130g	**-0120K**
	375 (15")	250g	**-0150K**
	450 (18")	365g	**-0180K**
	600 (24")	420g	**-0240K**
Chrome	150 (6")	25g	**-1060K**
	200 (8")	55g	**-1080K**
	250 (10")	90g	**-1100K**
	300 (12")	130g	**-1120K**
	375 (15")	250g	**-1150K**
	450 (18")	365g	**-1180K**
	600 (24")	420g	**-1240K**

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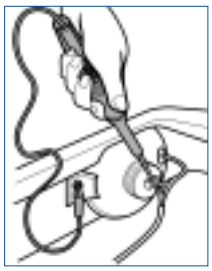
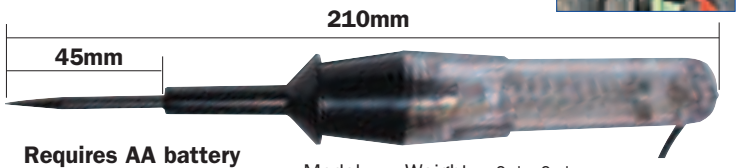
Circuit Continuity Tester



For testing circuit continuity on non-live systems. Locates broken circuits in fuses, switches, sockets and wires. 1m lead. Super sharp tempered steel probe to test through wire insulation.





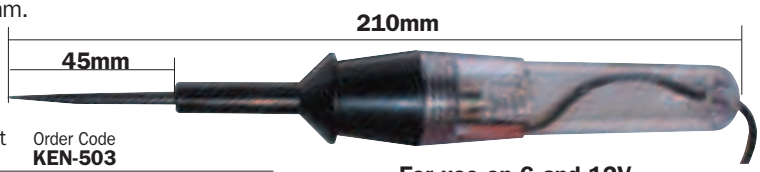
Requires AA battery (not supplied).

Model Number	Weight each	Order Code KEN-503
CCT001	90g	-1000K

Standard Circuit Tester

Suitable for use with power on. For 6 and 12V automotive systems only. Locates shorts, earth and open circuits. 1m lead. Super sharp tempered steel probe to test through wire insulation.

Probe length: 45mm.



Model Number	Weight each	Order Code KEN-503
SCT012	80g	-1020K

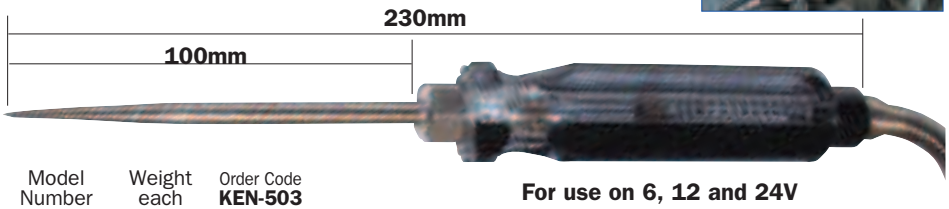
For use on 6 and 12V

Commercial Duty Circuit Tester



Suitable for use with power on. For 6, 12 and 24V automotive systems only. Locates shorts, earths and open circuits.
1.4m heavy duty lead with spring strain relief.
Super sharp stainless steel probe to test through wire insulation.

Probe length: 100mm.



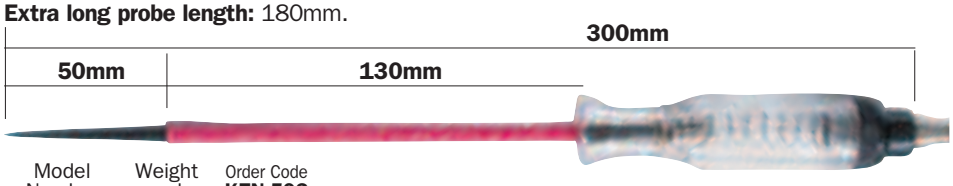
Model Number	Weight each	Order Code KEN-503
CDT024	215g	-1060K

For use on 6, 12 and 24V

Long Probe Circuit Tester

Suitable for use with power on. For 6 and 12V automotive systems only. Locates shorts, earth and open circuits. 1.7m heavy duty lead with spring strain relief. Super sharp tempered steel probe to test through wire insulation.

Extra long probe length: 180mm.



Model Number	Weight each	Order Code KEN-503
XCT012	245g	-1040K

For use on 6 and 12V

Battery Fluid Tester

Tests 6, 12 and 24V batteries. Tough glass tube construction with colour coded float for easy reading which indicates the state of charge in each cell. Displays the specific gravity with a scale range of 1.100 to 1.300.



Product Number	Scale Range	Order Code KEN-503
BFT624	1.1-1.3	-1120K

Battery & Alternator Tester

Indicates condition of battery and the output of an alternator. For automotive use on 12V DC systems only. Magnetic back.



0.8m long cable leads.



Test Voltage	Cable Length	Order Code KEN-503
12V	0.8m	-1080K

Standard Automotive Fuse Set

An assortment of standard automotive bladed fuses supplied in transparent storage box. Colour coded transparent fuse bodies. Rated to 32V.

Fuse material: zinc.
Contents:
Plug-in fuse type: 3A, 5A, 7.5A, 15A, 20A, 30A (15 of each).
Plug-in fuse type: 10A (30pcs).

120 PIECES



Number of Pieces	Order Code KEN-503
120	-9900K

High Amp Maxi Fuse Set

An assortment of Maxi (High Amp) automotive bladed fuses supplied in a transparent storage case.
Colour coded transparent fuse bodies.

Fuse voltage rating: 32V.
Fuse material: Zinc.
Contents:
Fuse types: 20A, 30A, 40A, 50A, 60A, 70A, 80A, 100A (6 of each).

48 PIECES



Number of Pieces	Order Code KEN-503
48	-9920K

Quick Splice Set

For fast, simple and strong splicing of automotive electrical wires. Easy-to-use, no wire strippers or crimper required.

Maximum electrical rating: 600V.
Maximum temperature: 105°C.
Terminal material: brass.
Plating: tin
insulation. **Material:** PP.
Contents:
Red: 0.5mm² x 1.0mm² (25pcs).
Blue: 1.5mm² x 2.5mm² (25pcs).

50 PIECES



Number of Pieces	Order Code KEN-503
50	-9930K

HAND TOOLS

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KENNEDY 7-Piece Panel Beating Set

Supplied in a high quality fitted blow moulded impact resistant case. Drop forged, high carbon steel hammers with ground heads and cheeks. Hickory, octagonal section shafts. 1x: curved, utility, heel and toe dolly. 1x: 12oz shrinking hammer and flat faced bumping hammer, 1x 10oz round finishing pick.



Number of Pieces	Weight each	Order Code KEN-503
7	7.40kg	-7650K

Panel Beating Dollies

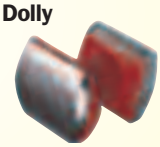
Manufactured from drop forged medium carbon steel (SAE/AISI 1055). Heat-treated with a polished mirror finish.

Grid Dolly
For shrinking work. With a large crowned grid face on the surface and a plain flat face on the base this dolly, combined with a shrinking hammer and the use of heat, provides quick and effective shrinking.



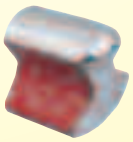
Length (mm)	Order Code KEN-503
120	-7500K

Double-End Hand Dolly
For reshaping crowned panels and general panel beating.



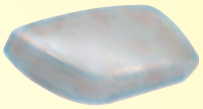
Length (mm)	Order Code KEN-503
758	-7520K

Utility Dolly
Double-sided multi-purpose. Use the edge most suited to the size and shape of a damaged flange.



Length (mm)	Order Code KEN-503
64	-7540K

Toe Dolly (Low Crown Dolly)
For reshaping. Can be used in the hand to deliver a series of blows to the underside of the panel. Long crown enables use in hard to reach areas.



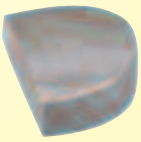
Length (mm)	Order Code KEN-503
120	-7560K

Curved Dolly
For raising low spots on panels. The edge can also be used to restore the shape of a roof and reform beads.



Length (mm)	Order Code KEN-503
132	-7580K

Heel Dolly
For general reshaping of contoured panels, raising low spots and general panel beating.



Length (mm)	Order Code KEN-503
81	-7600K

Dent Puller Set

For repairing dents in body panels. Supplied complete with self tapping pull screw for use where access to the rear of the panel is blocked by reinforcements or other parts, a range of steel hooks and pull curls for pulling the edges of panels and a chain and hook. The long hammer shaft allows the pulling/striking force to be precisely controlled.

Contents: (1x) hammer (10lbs cast iron), 22.5Ø x 500 and 22.5Ø x 200mm pipes, 2 hole pipes, 6 x 170, 6 x 120, 6 x 200 and 3mm x 100mm plates, chain and hook, hex nut and blow moulded storage case.



Model Number	Weight each	Order Code KEN-503
DP9	9.00kg	-3460K

Spot Weld Remover

Suitable for cutting holes in steel metal, steel, plastic and brass. The hardened steel cutter is reversible increasing tool life. Adjusting the spring loaded centre point screw accurately controls the depth of cut allowing the top to be removed whilst leaving the lower panel in place.



Capacity (mm)	Shank (mm)	Maximum Rated Operating Speed	Weight each	Order Code KEN-503
10	6.5	900rpm	30g	-1200K

3 Piece Panel Seam Splitter Set

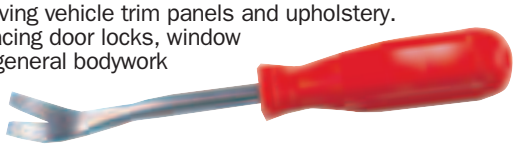
Ideal for separating spot-welded panels during repairs. Stainless steel coated chrome vanadium with through tang shafts allow use with hammers. Dual material soft grip handles for comfort and control. Includes 90°, curved and straight seam splitters. Cushioned handle absorbs any shock from hammer blows. Made from super tough alloy steel.



Number of Pieces	Weight each	Order Code KEN-503
3	94g	-7710K

Trim Pin Remover

Designed for removing vehicle trim panels and upholstery. Also used for replacing door locks, window mechanisms and general bodywork repairs.



Overall Length	Weight each	Order Code KEN-503
230mm	155g	-1500K

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Lever Operated Vacuums

KENNEDY QUALITY INDUSTRIAL TOOLING

For use in hand lift applications only. Multiple vacuums used on a single load can only improve handling. If using more than one vacuum tool the ratio of maximum lift capacity does not increase. To lift heavier weights a larger vacuum must be used. All are fitted with a rubber suction cap which will not damage contact surface during the lifting action. For use on glass and plastic or any smooth surface material and can also be used for pulling out dents.

Single (VLS045)
Double (VLD070)
Triple (VLT070)



Model Number	Cups	Max Lift	Order Code KEN-503
VLS045	1x10cm	45kg	-2620K
VLD070	2x12cm	70kg	-2640K
VLT070	3x12cm	110kg	-2660K

Filler Applicators

PACK OF 5

100mm wide plastic spreader, suitable for the application of auto body filler.



Pack Quantity	Size	Order Code KEN-503
5	100mm (4")	-2820K

Auto Body Filler Applicator Set

4 Piece Set
Spring steel blades with composite grips. Suitable for the application of auto body filler.

Blade widths: 12, 25, 50 and 75mm.
Size (W x H x D): 123 x 210 x 5mm.



4 PIECES

Description	Order Code KEN-503
Auto Body Filler Applicators	-2825K

Universal Door Handle Clip Remover

Removes door panel clips without breakage. Simple action - insert the tool and push the clip out.



Size (mm) (W x H x D)	Weight each	Order Code KEN-503
84 x 254 x 30	45g	-2790K

Folding Windscreen Stand

Lightweight tubular steel design with chain stops, foam protection and rubber feet. Large rubber suckers prevent screen from moving during preparation.

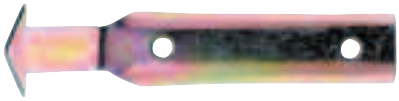


Folding frame makes this ideal for both workshop and mobile screen preparation. **Supplied flat pack for self-assembly.**

Type	Weight each	Order Code KEN-503
Windscreen Stand	7.6kg	-2890K

Windscreen Moulding Release Tool

Removes trim moulding around cemented windscreen and rear windows quickly and easily.



Type	Weight each	Order Code KEN-503
Windscreen Release Tool	90g	-2810K

Wax Injector Gun

WIG100
Pneumatic tool for spraying and injecting wax underseal into areas that are difficult to access, such as door cavities, inside box section chassis and around wheel arches. Has a 1ltr container with a ¼" NPT connection, operates from 90 - 145psi (6 - 10bar) air pressure with an air consumption rate of 380ltr/min and a vacuum of (maximum) 550mm HG. Supplied with 900mm spray hose and hanging hook.



1 LTR

Size	Order Code KEN-503
1ltr	-1880K

Universal Trim Pad Remover

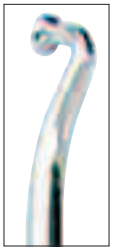
For removing plastic interior trim retaining studs. Corrosion-resistant.



Size (mm) (W x H x D)	Weight each	Order Code KEN-503
84 x 259 x 30	135g	-2800K

Glass Run Channel Cleaner

Automotive glass run channel cleaners are for the fast removal of glass, chips and debris from run channels on side windows. Suitable for unhooking locking weather strips around windscreens, with a long shaft for reaching deep into door recess. Manufactured from hardened and tempered chrome vanadium steel with a comfort grip.



-8730K



-8710K

-8720K

Overall Length	Weight each	Order Code KEN-503
260mm	150g	-8710K
330mm	190g	-8720K
610mm	190g	-8730K

Automotive Curved Hook Tools

Curved hook tools are for inserting and removing rubber seals and gaskets, they feature a long shaft and curved head for smooth operation in both directions. Manufactured from hardened and tempered chrome vanadium steel with a comfort grip.



Overall Length	Weight each	Order Code KEN-503
230mm	120g	-8760K
295mm	150g	-8770K

Windscreen Wiper Arm Removal Tool

Windscreen wiper arm removal tool for removing stuck and stubborn taper fitting wiper arms.

Maximum opening: 27mm.
Collar size: 15mm.



Description	Order Code KEN-503
Windscreen Wiper Arm Removal Tool	-1570K

HAND TOOLS

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KENNEDY Hydraulic Body Repair Kits

Porta Power with Ram & Spreader
Used for clamping, pulling, bending, straightening, spreading and lifting operations. Snaps together. Heavy-duty hand pump has automatic overload feature. Tough, blow moulded case.
Strong flexible hose with spring guards at both ends. 10,000PSI hydraulic hand pump, ½ Tonne ram and spreader.





Kit Size	Stroke Length	Order Code KEN-503
4 Tonne	100mm	-7240K
10 Tonne	150mm	-7260K

Body Repair Kit Spares

Description	4 Tonne Size	4 Tonne Order Code KEN-567	10 Tonne Size	10 Tonne Order Code KEN-567
Spreader Ram	-	-8240K	-	-8240K
Spreader Ram Repair Kit	-	-8250K	-	-8250K
Small Extension Tube	100mm	-8280K	125mm	-8420K
Medium Extension Tube	200mm	-8290K	250mm	-8430K
Long Extension Tube	305mm	-8300K	355mm	-8440K
Extra Long Extension Tube	410mm	-8310K	480mm	-8450K
Double Ended Male Snap Connector	-	-8320K	-	-8460K
Flat Base	114x63mm	-8330K	150x95mm	-8470K
90° 'V' Base	-	-8340K	-	-8480K
Wedge Head	-	-8350K	-	-8490K
Spread Plunger Toe	-	-8360K	-	-8500K
Spreader Ram Toe	-	-8370K	-	-8510K
Rubber Head	67mm ø	-8380K	75mm ø	-8520K
Serrated Saddle	35mm ø	-8390K	46mm ø	-8530K
Seal Repair Kit	-	-8000K	-	-8020K
Replacement Blow Mould Case	-	-8400K	-	-8540K

Single Speed Hydraulic Hand Pumps

Rugged construction with an internal overload valve, a pressure rating of 10,000psi (700bar) and a ¼ NPT thread size.
Operates in a vertical and horizontal position.



Model Number	Pressure Rating PSI (Bar)	Usable Oil Capacity	Oil Volume Per Stroke	Oil Port Thread	Length (mm)
HPS035	10,000 (700)	350cc	3.2cc	¼ NPT	292
HPS060	10,000 (700)	600cc	3.2cc	¼ NPT	478

Model Number	Weight each	Order Code KEN-503
HPS035	5.70kg	-8800K
HPS060	7.10kg	-8820K

Spares

Description	Order Code KEN-567
Connection Hose (1500mm x ¼" NPT)	-8120K
Repair kit for HPS035	-8050K
Repair kit for HPS060	-8060K

Hydraulic Push Rams

Rugged construction with a heavy-duty return spring.
Chrome plated piston inhibits rusting. ¼ NPT thread size.
Accessories easily snap on.



Model Number	Capacity (Tonne)	Stroke (mm)	Oil Cap (cc)	Cylinder Bore dia.	Length Ret.	Length Ext.	Outside dia. Piston	Outside dia. Ram	Oil Port Thread
HRP004	4	100	65	28.5mm	230	330	22	38	¼ NPT
HRP010	10	150	243	45.0mm	325	475	33	57	¼ NPT

Model Number	Weight each	Order Code KEN-503
HRP004	1.80kg	-7170K
HRP010	5.30kg	-7190K

Twin Speed Hydraulic Hand Pumps

Rugged construction. Internal overload valve prevents it from being used beyond rated capacity.
Operates in a vertical and horizontal position.
Pressure rating 10,000psi (700bar). ⅜ NPT thread size.
Pump handle locks into place to be used as a carrying handle.

Model Number	Pressure Rating PSI (Bar) Stage 1	Pressure Rating PSI (Bar) Stage 2	Usable Oil Capacity	Oil Volume Per Stroke Stage 1	Oil Volume Per Stroke Stage 2	Oil Port Thread	Length (mm)
HPT035	200 (13.8)	10,000 (700)	350cc	7.0cc	1.0cc	⅜ NPT	310
HPT070	200 (13.8)	10,000 (700)	600cc	13.0cc	2.8cc	⅜ NPT	528
HPT250	200 (13.8)	10,000 (700)	2500cc	13.0cc	2.8cc	⅜ NPT	632

Model Number	Weight each	Order Code KEN-503
HPT035	5.30kg	-8900K
HPT070	8.00kg	-8940K
HPT250	12.0kg	-8960K

Spares

Description	Order Code KEN-567
Connection Hose (1500mm x ⅜" x ¼" NPT)	-8140K
Repair kit for HPT035	-8080K
Repair kit for HPT070	-8090K
Repair kit for HPT250	-8100K

Hydraulic Pull Back Ram

Rugged construction with a heavy-duty return spring.
Chrome plated piston inhibits rusting. ¼ NPT thread size.
Accessories easily snap on. For use with Porta Power/Body Dozer power units.



Model Number	Capacity (Tonne)	A Stroke (cm)	Cylinder Bore Diameter (mm)	B Overall Length (mm)	Oil Port Thread
HRP005	5	15	34	740	¼ NPT

Model Number	Weight each	Order Code KEN-503
HRP005	6.70kg	-7180K

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KENNEDY Hydraulic Bench Presses

Ideal for pressing, bending and extruding. The Hydraulic pump can be manually operated or by compressed air connecting the airline supplied to an air supply line or direct to a compressor providing at least 8 - 9.5bar at 4cfm. Hydraulic gauge is included. Ideal for industrial and automotive applications.

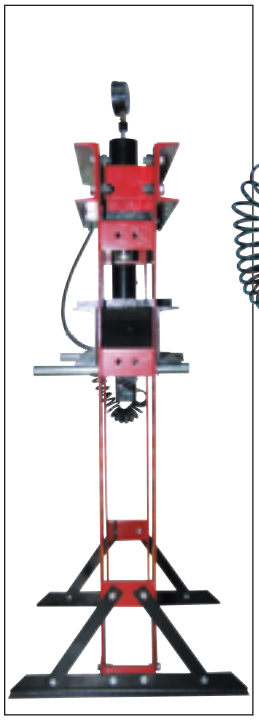
20 Tonnes
Sturdy steel frame with end braces and wide feet for extra stability. Work bed height is adjustable in 8 increments of 120mm, allowing large work pieces to be worked on with maximum flexibility.

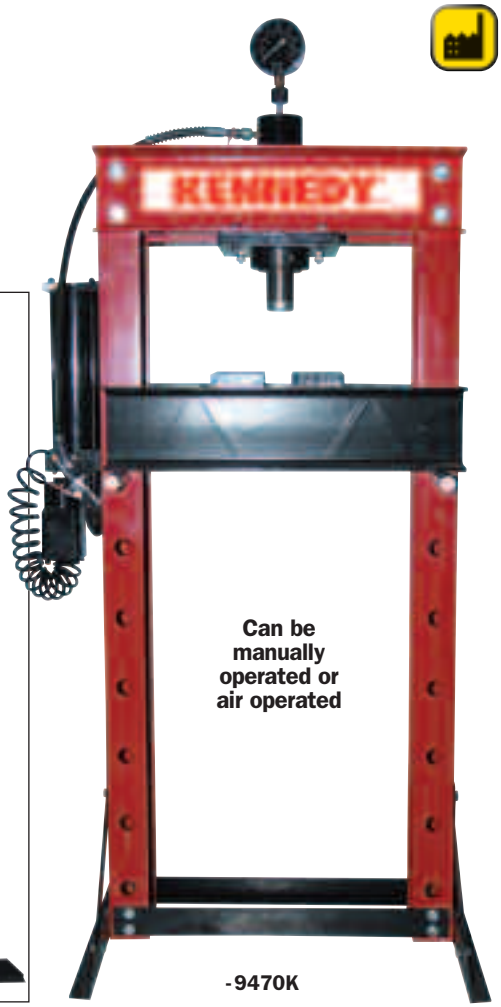
Capacity: 20 tonnes.

30 Tonnes
Heavy duty steel frame with end braces and wide feet for maximum stability.
Work bed height is fully adjustable in 7 increments of 140mm, giving increased flexibility when working with large work pieces.

Capacity: 30 tonnes.







-9470K

Capacity	Work Bed Adjustable Height	Order Code KEN-503
20 Tonne	8 Increments of 120mm	**-9460K**
30 Tonne	7 Increments of 140mm	**-9470K**

Seal Repair Kits

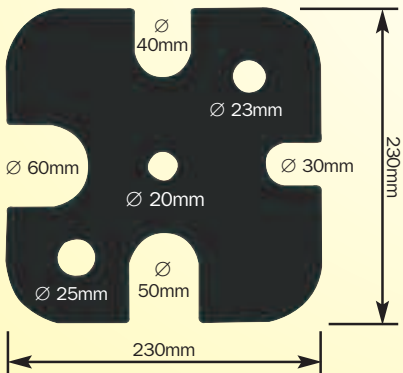
Description	Order Code KEN-567
For 20T Ram	**-8550K**
For 20T Pump	**-8560K**
For 30T Ram	**-8570K**
For 30T Pump	**-8580K**

Hydraulic Bench Press

Ideal for pressing, bending and extruding. Built for tough daily use in industrial and automotive workshops, manufactured welded steel frame with two end braces for stability and a fully adjustable work bed providing flexibility and convenience. Fitted with a detachable pump and ram allowing hydraulics to be used for other purposes when the press is not being used. Hydraulic gauge is included.
Capacity: 10 tonnes.
These hydraulic presses are ideal for assembly, straightening, fabrication, quality control, maintenance, product testing, bending, forming, punching and shearing.

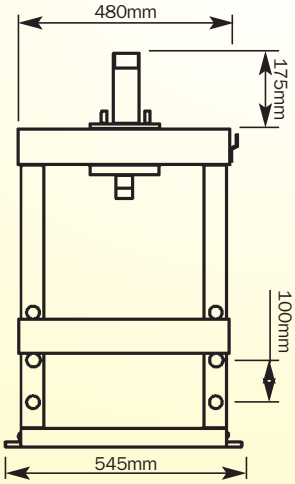
Model number . . . . . .HBP010.
Capacity . . . . . .10 Tonne.
Ram stroke . . . . . .150mm.
Extension screw . . . . . .60mm.
Max height of ram to table . .300mm.
Min height of ram to table . .90mm.
Table aperture . . . . . .140mm.
Working table width . . . . . .360mm.
Overall height . . . . . .895mm.
Hydraulic gauge included . . .Yes.
Weight . . . . . .47kg.

1 tonne (metric ton or t)
= 1000kg
1 ton (imperial ton)
= 2240lbs (1016kg)

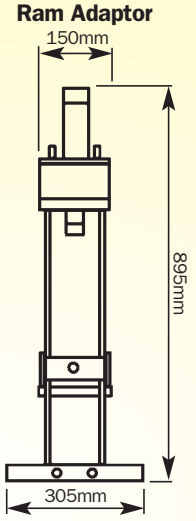


Arbor Plate

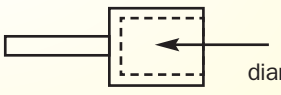
Ram Adaptor



Ram Adaptor







Spare pump available - **(KEN503-8820K)**, see page 328.

Model Number	Capacity	Overall Height (mm)	Weight each	Order Code KEN-985
HBP010	10 Tonne	895	47kg	**-5000K**

Accessories	Description	Weight each	Order Code KEN-567
	Seal Repair Kit	10g	**-8220K**
	Pressure Gauge		**-5570K**

Description	Order Code KEN-503
Hydraulic Ram	**-1530K**
Arbor Plate	**-7290K**

HAND TOOLS

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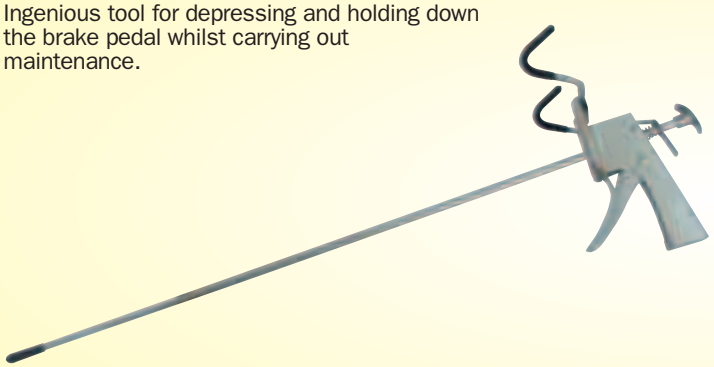
KENNEDY Brake Pedal Depressor

Ingenious tool for depressing and holding down the brake pedal whilst carrying out maintenance.



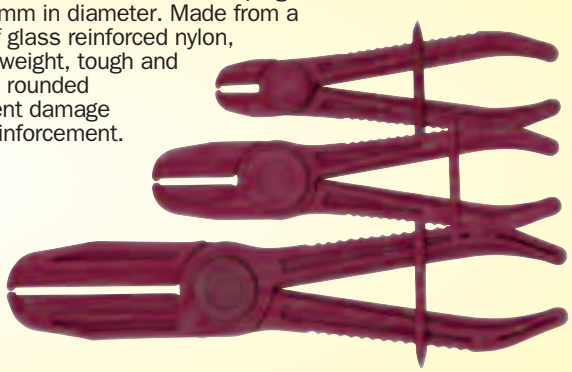
Description	Order Code KEN-503
Brake Pedal Depressor	-1910K

Hose Pinch Clamp Set

HPS003

These professional tools are for clamping flexible hoses from 11mm to 60mm in diameter. Made from a composite of glass reinforced nylon, they are lightweight, tough and have smooth rounded jaws to prevent damage to internal reinforcement.

3 PIECES



Hose Range	Weight each	Order Code KEN-503
11-60mm	330g	-1940K

Brake Pin Punches

Parallel pin punches for the removal of brake caliper pad retaining pins. 6.0mm diameter punch uses a pilot tip to aid location in hollow pins used on GM/Vauxhall calipers.

Overall length: 165mm.

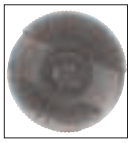


Diameter (mm)	Weight each	Order Code KEN-503
5.5	95g	-4910K

Brake Spring Cup Washer Tool

Removes and replaces T-slot anti-rattle spring washers found in drum brake assemblies. Hardened and tempered carbon steel shank and cup with oxidised finish for protection against corrosion, bevelled and notched cup fits 16 - 22mm (5/8" - 7/8") diameter. Impact resistant square section handle for secure grip even when greasy.

Overall length: 152mm (6").





Product Number	Weight each	Order Code KEN-503
BST122	110g	-4940K

Brake Clip Tool

Designed for import cars with brake shoe hold down clips. Removes and installs brake clip and nail on brake shoes in seconds. Impact resistant square section handle for secure grip even when greasy.

Overall length: 200mm (8").



Product Number	Weight each	Order Code KEN-503
BSC150	165g	-4960K

Brake Fluid Tester (Battery Operated)

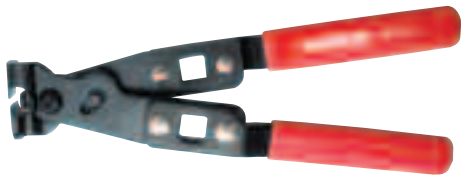
This ingenious tool is invaluable in the garage workshop for testing the quality of brake fluid. Testing for moisture content in the fluid by resistance to electric current. You get instant results from the built-in LED indicator light system.
(Runs on 1x 1.5V AAA battery).



Description	Order Code KEN-503
Brake Fluid Tester	-1130K

Extra Heavy Duty Ear Type Clip Pliers

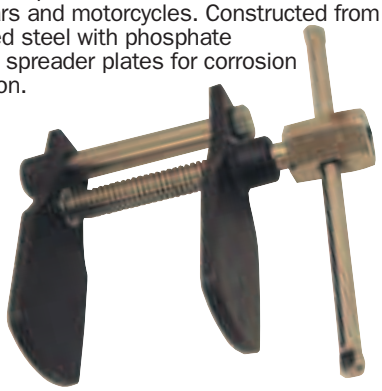
These pliers have steel jaws, PVC coated handles and a 1/2" sq for use with torque wrenches and bar breakers. Suitable for all ear type CVJ boot clips.



Product Number	Order Code KEN-503
AT4185	-4820K

Brake Caliper Spreader

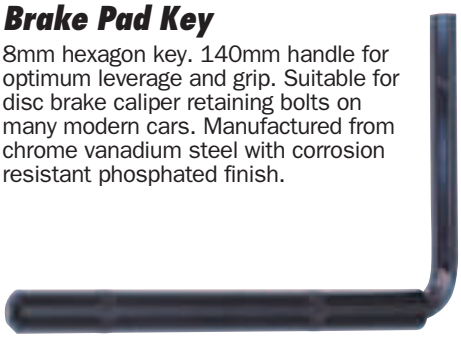
Retracting brake caliper pistons can be used with 1/2" square drive ratchet and 21mm hex wrench or spanner and is suitable for use on most cars and motorcycles. Constructed from hardened steel with phosphate finished spreader plates for corrosion protection.



Product Number	Weight each	Order Code KEN-503
BCS065	830g	-1900K

Brake Pad Key

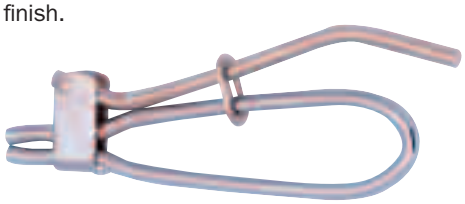
8mm hexagon key. 140mm handle for optimum leverage and grip. Suitable for disc brake caliper retaining bolts on many modern cars. Manufactured from chrome vanadium steel with corrosion resistant phosphated finish.



Size	Weight each	Order Code KEN-503
8mm Hex	245g	-2880K

Spring Type Hose Pinch Tool

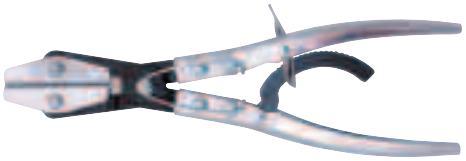
For clamping flexible brake lines, fuel lines, vacuum hose and other fluid lines up to 12mm diameter. Allows servicing to be carried out without the need for system draining. Sliding lock collar allows hoses to be fully or partly closed. Smooth rounded jaw edges avoid damage to hoses. All steel construction with corrosion-resistant chrome finish.



Maximum Diameter	Weight each	Order Code KEN-503
12mm	160g	-2840K

Ratcheting Hose Pinch Pliers

For clamping flexible brake lines, fuel lines, vacuum hose and other fluid lines. Heavy duty serrated jaw edges provide excellent clamping whilst avoiding damage to hoses. Jaws pivot and self-level to ensure parallel clamping. Fine-adjusting ratchet action allows hoses to be fully or partly closed. All steel construction with corrosion-resistant finish.



Overall Length	Weight each	Order Code KEN-503
200mm	295g	-2850K
250mm	435g	-2860K
300mm	565g	-2870K

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KENNEDY
QUALITY INDUSTRIAL TOOLING

Pneumatic Brake & Clutch Bleeder

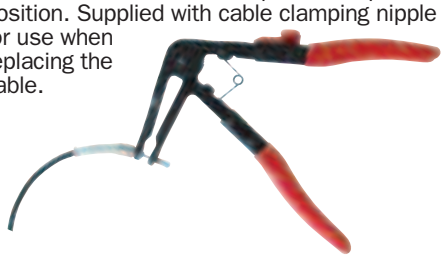
PBB100
Has a 1ltr container with a ¼" NPT connection, operates from 90 - 145psi (6 - 10bar) air pressure with an air consumption rate of 180ltr/min, an extraction rate of 1.6ltr/min and vacuum (max) of 550mm HG. Handles non-flammable liquids between 0 and 80°C.



Product Number	Capacity (litre)	Weight each	Order Code KEN-503
PBB100	1.0	470g	-1920K

Remote Hose Clamp Pliers

For the removal and replacement of fuel, oil and water hoses. Flexible 530mm long reach ratchet mechanism allows the pliers to release and lock hose clamps in the opened position. Supplied with cable clamping nipple for use when replacing the cable.



Capacity	Weight each	Order Code KEN-503
55mm	575g	-1970K

Angled Flat Band Hose Clamp Pliers

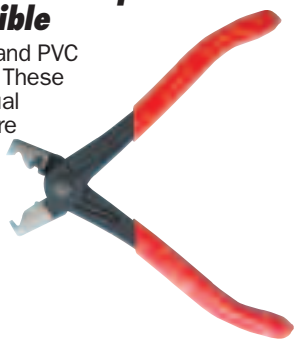
Removes and installs flat band hose clamps. Swivel tips to grip at any angle. Locking handle allows user to maintain 'open' position and hold clamp in place.



Overall Length	Weight each	Order Code KEN-503
215mm	200g	-1960K

Heavy Duty Hose Clip Pliers - Clic Compatible

With steel jaws and PVC coated handles. These spring loaded dual purpose pliers are designed for fitting and removing Clic and Clic-R® hose clips.



Overall Length	Weight each	Order Code KEN-503
260mm	230g	-4810K

Vacuum Testing & Brake Bleeding Kit

Vacuum testing kit that helps to locate and identify faults on cars, motorcycles and commercial vehicles. Supplied in robust blow moulded case.

Contents: serviceable metal bodied vacuum pump, reservoir jar, transfer lid, storage lid, 4x lengths of 6mm ID tubing, 1x length of 4mm ID tubing adaptor. Set of brake bleeding adaptors, rubber cup adaptor.
Maximum vacuum: 550mm Hg.
Reservoir capacity: 150ml.



Description	Order Code KEN-503
Vacuum Testing & Brake Bleeding Kit	-2720K

Pressure Tester

BEST SELLER

Cooling System & Radiator Cap Pressure Tester
Designed for the pressure testing of cooling systems and radiator caps up to 35psi (2.5bar). Suitable for use on most makes of car and commercial vehicles, including: Mercedes, Ford, Chrysler, Peugeot, Honda, Lexus, Mazda, Suzuki, Toyota, Nissan, Opel, Volkswagen, Saab, Volvo, Audi, Citroen, Fiat and BMW.

Contents: 14 radiator pressure testing caps, for use in testing cooling systems for leaks. Two cap adaptors, sizes 2 - 3 and 4 - 5, for testing radiator cap release pressure and seal condition. Two 200psi coolant hoses (5/16" and 3/8"), for use with T-adaptor for in-line pressure testing. T-adaptor for creating in-line pressure testing set-up. Two ¾" hose clips.

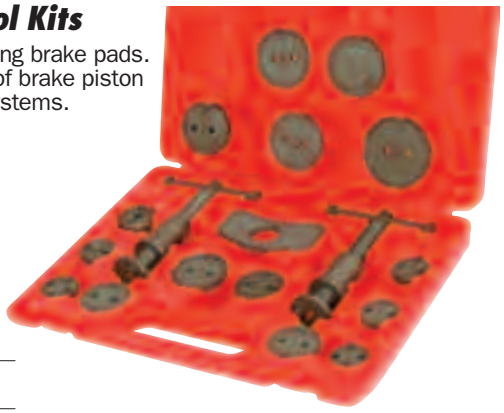


Description	Order Code KEN-503
Cooling System & Radiator Pressure Tester	-0960K

Universal Caliper Wind-Back Tool Kits

Winds back disc brake calipers when replacing brake pads. Professional quality, allows the easy return of brake piston into the caliper. Suitable for most braking systems.





Number of Pieces	Order Code KEN-503
12	-2770K
18	-1890K

Compression Tester

Suitable for all types of spark plugs. Finds faults in piston rings, valves, head gaskets and cylinder bores. Suitable for use on most petrol engine vehicles and motorcycles. Can be used on crankshaft seals in two stroke engines. 195mm flexible hose. For use on 14mm and 18mm threads. Large easy to read scale 0 - 21bar/ 0 - 300psi. Air release valve to allow rapid re-testing.



BEST SELLER

Description	Weight each	Order Code KEN-503
Petrol engine Compression Tester	440g	-1160K

Vacuum & Fuel Pump Tester

Suitable for use on most engines. arge, easy to read dual calibrated colour coded scale. Suitable for all types of spark plugs. Can be used on crankshaft seals in two-stroke engines. Suitable for testing and finding fault in petrol engines with spark misfires, poor engine compression, weak/rich mixture, ignition over advanced/retarded, inlet manifold and carburettor air leaks, incorrect valve timing and poor fuel economy. Can be used for carburettor balancing, checking turbo boost pressure up to 0.7bar and fuel pump.



Description	Weight each	Order Code KEN-503
Vacuum Tester	440g	-1140K

HAND TOOLS

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KENNEDY Valve Spring Compressor

Fully adjustable valve spring compressor for use on large and diesel engines. A unique 'direct action' compressor lever gives improved visibility and ease of use in areas of difficult access. Manufactured from heavy duty steel with all rivetted joints and a slip resistant rubber handle.

Restricted access adaptors: 25, 30mm.
Jaw opening: min. 35mm, max. 200mm.
Throat clearance: 250mm.



Capacity Min./Max.	Weight each	Order Code KEN-503
35 - 200mm	2.50kg	-2700K

Valve Spring Compressor

Fully adjustable valve spring compressor for use on multi-valve petrol and diesel engines with deep seated valves. Universal model with unique dual-cam action, parallel lift and automatic locking reversible jaw/adaptor, suitable for general use on a wide range of OHC, OHV and CVH engines. A unique 'direct action' compressor lever gives improved visibility and ease of use in areas of difficult access. Manufactured from heavy-duty steel with all rivetted joints and a slip resistant rubber handles.

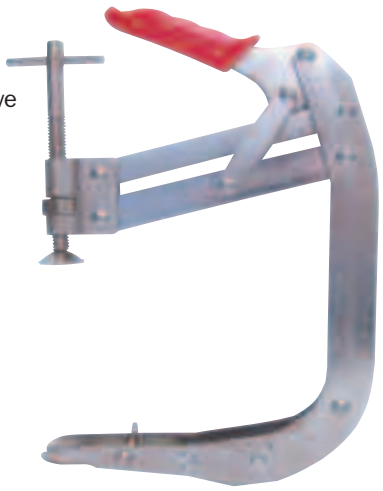
Restricted access adaptors: 25, 30mm.
Jaw opening: min. 55mm, max. 175mm.
Throat clearance: 165mm.
Packaging dimensions (W x H x D): 430 x 205 x 40mm.



Capacity Min./Max.	Weight each	Order Code KEN-503
55 - 175mm	2.20kg	-2710K

Valve & Piston Ring Compressors

Designed for use on production lines as well as in the automotive workshop. Able to cope with occasional commercial use. Manufactured from bright nickel plated steel with PVC cushion grips.

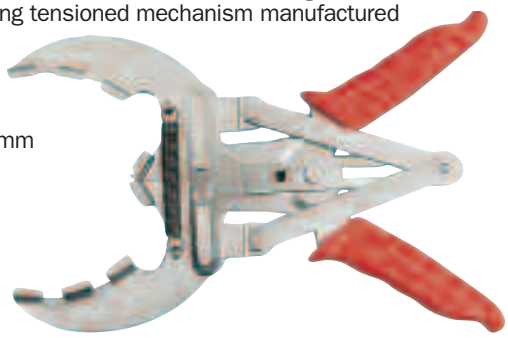


Opening Capacity	Weight each	Order Code KEN-503
75 - 230mm	1.30kg	-2010K

Piston Ring Pliers

To enable fast installation or removal of piston rings. A self-adjusting spring tensioned mechanism manufactured from nickel-plated steel with PVC handles for extra grip.

Capacity: 50 - 100mm (2" - 4").



Capacity (mm)	Weight each	Order Code KEN-503
50 - 100	250g	-2090K

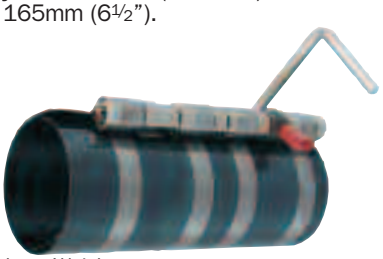
Piston Ring Compressors

The compressor gently compresses the piston rings into position reducing the risk of damage to components during installation. Key operated with ratchet mechanism and safety valve for combining safe rapid compression with positive control. Made from tempered spring steel complete with steel key.

PRC-540 - Passenger car vehicle engines.
Capacity: 57 - 125mm (2¼" - 5").
Height: 80mm (3¼").

PRC-730 - Car/light commercial vehicle engines.
Capacity: 90 - 175mm (3½" - 7").
Height: 100mm (4").

PRC-765 - Heavy commercial vehicle engines.
Capacity: 90 - 175mm (3½" - 7").
Height: 165mm (6½").

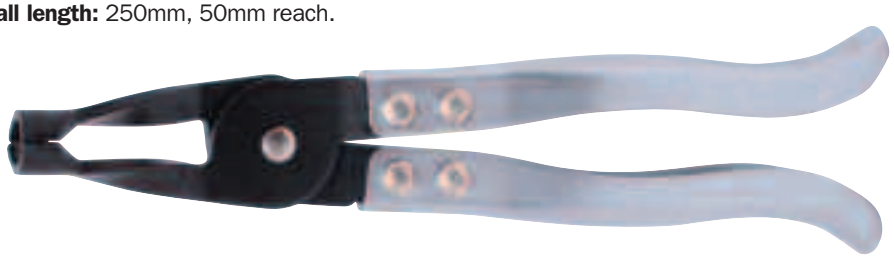


Model Number	Weight each	Order Code KEN-503
PRC540	260g	-2210K
PRC730	300g	-2240K
PRC765	560g	-2270K

Straight Head Valve Seal Ring Pliers

Standard Length
For the easy removal of most valve stem seals and lower valve spring guides in restricted areas above the cylinder head.

Overall length: 250mm, 50mm reach.



Extra Long
For the easy removal of most valve stem seals in multi-valve engines in restricted areas above the cylinder head. Gripping serrations inside the jaws aid gripping the outside diameter of the valve stem seal. Steel pliers with double riveted metal handles.

Overall length: 270mm, 80mm reach.



Type	Order Code KEN-503
Standard	-2680K
Extra Long	-2690K

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Cylinder Hone

KENNEDY QUALITY INDUSTRIAL TOOLING

For honing of brake cylinders and piston bores with capacities between 19 - 68mm. Self aligning flexible shaft and leg assembly for smooth operation at all speeds. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism. Suitable for use with a variable speed electric or air drill and fits into all 3 jaw chucks. Supplied complete with a medium grade stone set. For storage purposes legs are retained in position by a triangular clip. This can be removed using long nose pliers or tweezers and should be retained for further use. Replacement stone sets available.
Use brake fluid for cutting lubricant.

Overall length: 200mm.



Type	Weight each	Order Code KEN-503
3 Leg	105g	**-2940K**
Replacement Stones - 29 x 4.5mm		
Medium	83g	**-2980K**

Heavy Duty Cylinder Hone

For honing of brake cylinders and piston bores with capacities between 51 - 178mm. Self-aligning flexible shaft and leg assembly for smooth operation at all speeds. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism. Suitable for use with a variable speed electric or air drill and fits into all three jaw chucks. Supplied complete with a fine grade stone set. For storage purposes legs are retained in position by a triangular clip. This can be removed using long nose pliers or tweezers and should be retained for further use. Replacement stone sets available.
Use brake fluid for cutting lubricant.

Overall length: 290mm.



Type	Weight each	Order Code KEN-503
3 Leg	380g	**-2920K**
Replacement Stones - 100 x 9mm - 3 Piece		
Fine	88g	**-2950K**
Medium	93g	**-2960K**
Coarse	97g	**-2970K**

Cylinder Hone Set

Four different honing tools in one set suitable for honing/deglazing car brake and clutch cylinders, motorcycle, lawnmower, outboard motor engine cylinders, small bore car engine cylinders with capacities between 18 - 89mm. Self-aligning flexible shaft and leg assembly for smooth operation at all speeds and easy alignment. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism. Suitable for use with a variable speed electric or air drill and fits into all three jaw chucks. Supplied in a plastic blow-moulded case.

Overall length: 200mm.

Set Contents:
Main honing body,
twin leg set - 50mm,
triple leg set - 50mm,
triple leg set - 60mm;
three sets of medium stones:
19 x 4.5mm (x3 off),
29 x 4.5mm (x5 off) and
51 x 7.0mm (x3 off).

Twin Leg 18 - 64mm
For small brake cylinders. 50mm twin leg set and 2x 29mm stones. (NB Ready assembled in kit)

Triple Leg 19 - 68mm
For large brake/clutch cylinders. Use medium collar, 50mm triple leg set and 3x 29mm stones.

Triple Leg 32 - 89mm
For disc brake cylinders. Use large spring, 60mm triple leg set and 3x 19mm stones.

Triple Leg 32 - 89mm
For small engine cylinders.
Use large spring, 60mm triple leg set and 3x 51mm stones.



Type	Weight each	Order Code KEN-503
4-in-1	248g	**-2930K**

Replacement Stone Sets Medium- 3 Piece

L x W (mm)	Weight each	Order Code KEN-503
19 x 4.5	83g	**-2990K**
29 x 4.5	89g	**-2980K**
51 x 7.0	99g	**-3000K**

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KENNEDY PROFESSIONAL 2-in-1 Padded Creeper Board & Seat

Heavy duty steel frame with powder coat finish.
Vinyl coated cushioning.
Quickly converts from creeper to seat.
Adjustable back and parts tray when in the seat position.





Size L x W x H (mm)	Weight each	Order Code KEN-503
1050 x 480 x 100	13.0kg	-7300K

Padded Creeper Board

Both the creeper board and seat framework are manufactured from heavy steel with a powder paint finish. Furnished with a vinyl covered cushioning and are fitted with castor wheels for ease of movement.



Padded Creeper Seat

The creeper seat is fitted with a parts tray for tools and components.



Type	Size L x W x H (mm)	Weight each	Order Code KEN-503
Board	1050 x 480 x 100	7.00kg	-7320K
Seat	365 x 355 x 355	3.50kg	-7340K

Creeper Board with Magnetic Trays

KMC01

High-impact moulded plastic creeper board lets you work under vehicles with ease. Low profile design to provide greater clearance. Padded headrest with removable magnetic tool trays and 6x 75mm PVC coated caster wheels.

Capacity: 113kg (250lbs).
Dimensions (L x W x H): 1020 x 475 x 120mm.
Weight: 5kg.





Type	Size L x W x H (mm)	Weight each	Order Code KEN-503
Board	1020 x 475 x 120	5.00kg	-7420K

SENATOR QUALITY TOOLING Lightweight Plastic Creeper Board

Durable, lightweight moulded plastic creeper board ideal for use in garages. Padded headrest with 4x 50mm polypropylene caster wheels.

Capacity: 127kg (280lbs).
Dimensions (L x W x H): 910 x 405 x 105mm.
Weight: 3kg.





Type	Size L x W x H (mm)	Weight each	Order Code SEN-503
Board	910 x 405 x 105	3.00kg	-7378K

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KENNEDY 30+ 7 LED Rechargeable Worklight - 230V

37 super bright LEDs. Dual use as an inspection lamp or directional torch. Moisture protection IP44.
Two magnets and two 360° swivel hanging hooks for hands free applications. Lower quarter of lamp rotates 180° to use as a stand. Supplied with AC/DC mains charger and 12V DC in-car charger for portable charging. 7.2V (800mAh) Lithium-Ion battery.
Main light lasts up to four hours, and directional light lasts up to 20hrs, when fully charged.



Voltage	Weight each	Order Code KEN-503
230V	260g	-5100K

24 LED Worklight

LWL024
24 super bright LEDs. Magnetic base.
Soft touch durable composite casing.
360° swivel hanging hook for hands free applications. 3x AA batteries not supplied.
Lasts for 4 - 5 hours approx.
IP20 moisture protection.
Length: 208mm.



Type	Weight each	Order Code KEN-503
3x AA Batteries	260g	-5110K

LED Inspection Lamps

Durable and robust construction with a rubber handle and end cup, plus a sturdy swivel hanging hook making it ideal for use in engine bays and other low light work areas. Anti-roll hexagonal shape with a convenient grip mounted ON/OFF switch. Main light and spot light option.

Rechargeable
Main light lasts up to 3.5hrs when fully charged using the charger supplied.



Type	Order Code KEN-503
Rechargeable	-5080K

EDISON Rechargeable Lamp

Ideal for use in automotive workshops and the construction industry. Heavy-duty rubber and polycarbonate case. Lasts up to 6hrs when fully charged. Adjustable brightness. Durable, robust and reliable. Foldaway swivel hanging hook, wall or bench mount charging base with 1.9m power cable*.
30 LEDs provide a constant high light output. Water and oil-resistant to IP68. Powered by high capacity Lithium-Ion polymer batteries.
Optional flashing mode. Sealed switch. Can be stood upright.
Uses induction charging technology. Battery low warning.
*Screws and wall plugs for mounting the charging unit to a wall are not included.



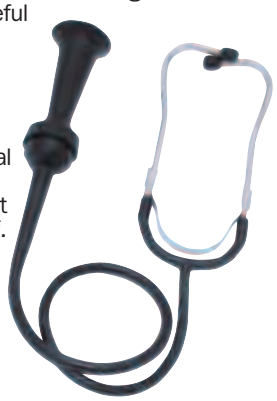
Rated to IP68



Type	Order Code EDI-904
Rechargeable Lamp	-1100K

Mechanic's Stethoscope

Professional stethoscope provides a fast and easy way to locate noises in engines or bearings and other moving parts. High quality surgical grade PVC and rubber parts for increased sound definition, plastic ear-pieces minimise outside noise with an aluminium alloy probe/needle for finding the exact location of specific noises. Supplied with rubber trumpet for checking vacuum and pressure flow. Useful for synchronising multi carburettors, helps to track dashboard rattles and is ideal for pinpointing unusual vibrations or suspected leaks, it is also shockproof.



Product Number	Order Code KEN-503
MSC110	-2740K

Lead Lamp Wire Cage

Designed for the professional, with heavy duty rubberised handle, wire protection cage with integral hook and 4.8m of cable. Accepts screw-in (ES) type bulb (supplied separately).



Voltage	Weight each	Order Code KEN-503
240V	995g	-5380K

SENATOR QUALITY TOOLING Lead Lamp Plastic Cage

Plastic protection cage with integral hook and 4.8m of cable. Accepts screw-in (ES) type bulb (supplied separately).



Voltage	Weight each	Order Code SEN-503
240V	720g	-5370K

HAND TOOLS

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KENNEDY Bottle Jacks

With large cast iron bases with a steel cylinder housing and an adjusting notched saddle. Fitted with an overload protection valve. Two piece 'pumping' handle also operates hydraulic release. Use on a firm level surface. **DO NOT** work under the vehicle until another means of support, such as axle stands, are used. Models B234, B337 and B541 are supplied in a robust blow moulded carry case. **Complies with the EC Machinery Directive. GS and TUV approved.** (Load ratings are 'metric tonnes' i.e. 1 tonne = 1,000kg). All supplied with spare seals.





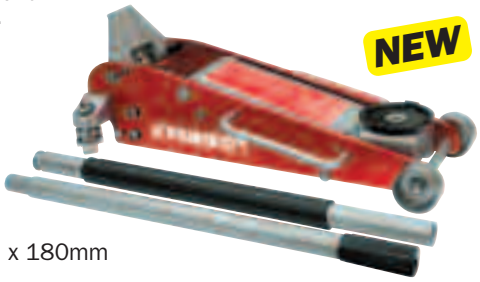
2, 3 and 5 tonne jacks supplied in a robust plastic case

Model Number	Max Load (Tonne)	Height (mm) Min. - Max.	Max Saddle Adjustment	Weight each	Order Code KEN-503
B234	2	181 - 345	48mm	3.00kg	**-5820K**
B337	3	194 - 372	60mm	3.75kg	**-5840K**
B541	5	216 - 416	70mm	4.90kg	**-5860K**
B845	8	230 - 457	80mm	5.75kg	**-5690K**
B1246	12	230 - 465	80mm	7.50kg	**-5710K**
B1546	15	230 - 460	80mm	8.50kg	**-5730K**
B2045	20	242 - 452	60mm	11.0kg	**-5750K**

2.5 Tonne Low Profile Quick Lift Lightweight Trolley Jack

3 tonne capacity. Made of a lightweight aluminium and steel construction. Its low profile makes it ideal for any type of car, including sports and race cars, and its swivel castor wheels enable easier positioning under vehicles. It also has a quick lift with dual pump and a rubber hand grip for user comfort.

QUICK LIFT



Dimensions
QLT450: 685 x 345 x 180mm

Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
QLT450	2500kg	100 - 460	28.5kg	**-6540K**

2 Tonne Low Profile Long Reach Trolley Jack

Low profile long reach trolley jacks have strong, robust steel chassis to provide stability when under load. A low entry height. Heavy duty fixed direction castors, swivel castors and inside wheel ensure excellent manoeuvrability and easy positioning under the vehicle prior to lifting. The foot pedal is to rapidly raise and lower the load arm and the vehicle. The long reach pump handle has a comfort rubber grip. Includes a practical tray for carrying tools and a rubber pad for the saddle. For use on a firm level surfaces.



DO NOT work under the raised vehicle until another means of support, such as axle stands are in place.

Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
T510L	2000kg	76 - 510	42kg	**-6570K**
T525L	3000kg	140 - 525	50kg	**-6580K**

Heavy Duty Bottle Jacks

With machined/cast steel bases and cylinder housings. Fitted with an overload protection valve. Three piece 'pumping' handle also operates hydraulic release. Use on a firm level surface. **DO NOT** work under the vehicle until another means of support, such as axle stands, are used.



Model Number	Max Load (Tonne)	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
B3047	30	285 - 475	23.0kg	**-5770K**
B5048	50	300 - 480	34.0kg	**-5790K**

Low Profile Service Trolley Jacks

Low Profile Trolley Jacks have strong, robust steel chassis to provide stability when under load. A low entry height. Heavy duty fixed direction castors and swivel castors ensure easy positioning under the vehicle prior to lifting. The pump handle with comfort rubber grip is to rapidly raise and lower the load arm and the vehicle. For use on firm level surfaces. **DO NOT** work under the raised vehicle until another means of support, such as axle stands are in place.



Dimensions
T5359: 610 x 275 x 155mm
T525L: 640 x 345 x 175mm

Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
T5359	2000kg	89 - 359	14.5kg	**-6520K**
T450L	2500kg	85 - 450	34.0kg	**-6530K**

Air Trolley Jack - 20/40T 2 Stage

For use when lifting heavy vehicles such as lorries etc. This industrial air jack has a robust steel chassis, 'T' bar handle with integral air control valve and two extensions for increased lifting height. It requires an air pressure of 116 - 174psi (8 - 12bar) and a supply rate of 105ltr/min (3.7cfm).

JTA2040
Air supply: 116 - 174psi (8 - 12bar).
Air consumption: 105ltr/min (3.7cfm).
Lifting capacity: 20T/40T.
Base height: 210mm.
Lifting height:
40T - 433mm,
20T - 520mm.
Air inlet size: 1/4NTP.



Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
JTA2040	40T	210 - 520	74kg	**-7120K**

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KENNEDY 3 Tonne Quick Lift Trolley Jack

3 tonne capacity. One stroke instant lift foot pedal, raises the saddle up to jack point to increase productivity. Constructed from heavy gauge steel. 1m, two-piece handle. 120mm diameter saddle. Automatic safety overload protection. Positive twist, lock and release mechanism. Heavy duty rear swivelling castor wheels.

Maximum load: 3000kg.
Minimum height: 145mm.
Maximum height: 490mm.



Capacity	Weight each	Order Code KEN-503
3 Tonne	39.5kg	-7100K

Scissor Jack

Made from heavy-duty steel with a rubber saddle which provides a positive grip and prevents damage to jacking points.
Designed to safely raise vehicles. Easy to use and compact for easy storage. 1 Tonne (1000kg) safe working load.
Wide base plate for extra stability.

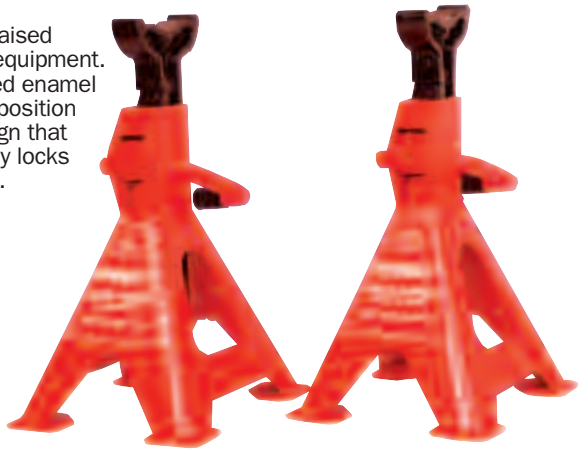


Lifting range:
88 - 383mm.
Base plate size:
150 x 90mm.
Spindle thread:
12.5 x 2.5mm.

Model Number	Capacity	Weight each	Order Code KEN-503
KSJ010	1 Tonne	2.80kg	-5920K

Ratcheting Axle Stands

Suitable for supporting raised vehicles or equipment. Protective red enamel coating. 10-position ratchet design that automatically locks when raised.



Capacity/pair	Per Stand	Min. - Max. Height	Order Code KEN-503
4 Tonne (4000kg)	2T	265-418mm	-5520K
6 Tonne (6000kg)	3T	280-420mm	-5530K
12 Tonne (12000kg)	6T	390-608mm	-5560K

Trolley Jack

Strong steel chassis provides stability when under load. Fixed direction castors and swivel castors for easier positioning under vehicles. Long reach single piece pump handle with comfort rubber for rapid raising and lower. Safety overload protection valve prevents overload damage to hydraulic mechanism. Integral carry handle.
GS and TUV approved.

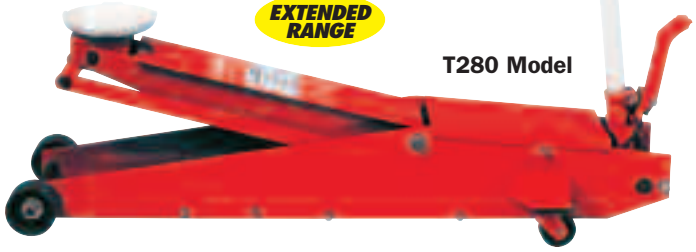
T238
Type: with case.
Dimensions: 525 x 225 x 145mm.

T2.249
Type: with case.
Dimensions: 695 x 344 x 180mm.

T280
Type: long reach.
Dimensions: 1150 x 360 x 210mm.



EXTENDED RANGE



T280 Model

Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code KEN-503
T238	2000kg	130 - 380	12.0kg	-6320K
T2.249	2250kg	145 - 495	36.5kg	-6350K
T280	2000kg	140 - 800	58.0kg	-6920K
HTJ03	3000kg	150 - 490	36.5kg	-6360K

Spares

Description	Weight each	Order Code KEN-567
Torsion Spring for T280	49g	-7880K
Torsion Spring for T2.249	49g	-7860K
Seal Repair Kit for T238	7g	-8160K
Seal Repair Kit for T2.249	4g	-8180K

SENATOR QUALITY TOOLING Hydraulic Trolley Jacks

Featuring steel chassis for stability, swivel castors for easier positioning and 1 piece handle with rubber grip for extra comfort. With overload protection valve, separate release mechanism and integral carry handle.



STJ330

STJ410

Model Number	Maximum Load	Height (mm) Min. - Max.	Weight each	Order Code SEN-503
STJ330	2000kg	135 - 330	8.50kg	-6320K
STJ410	3000kg	130 - 410	15.84kg	-6360K

Description	Weight each	Order Code SEN-567
Seal Repair Kit for STJ330	7g	-0510K
Seal Repair Kit for STJ410	4g	-0500K

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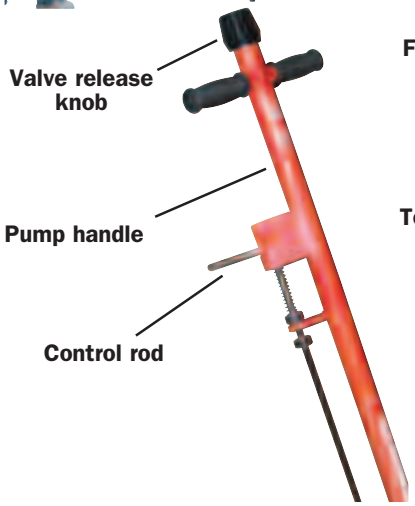
KENNEDY Heavy Duty Trolley Jacks

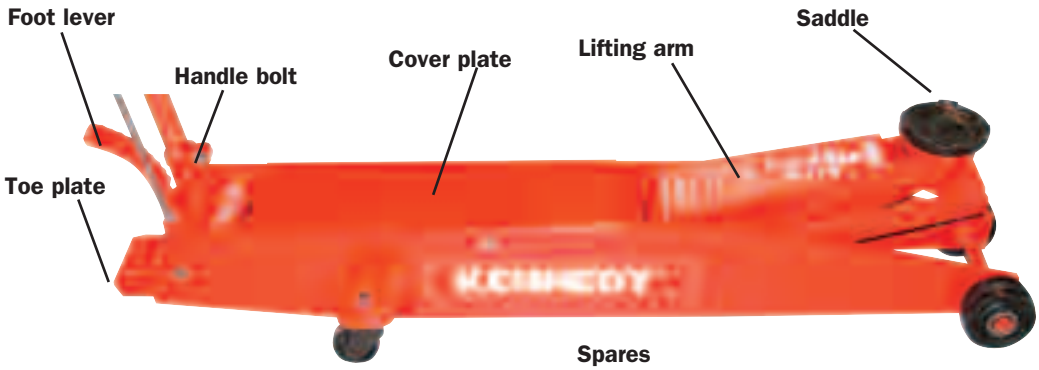
Constructed from heavy gauge steel for heavy-duty use with a large diameter saddle for a secure hold under the jacking point. Extra long handle for easy access under bigger vehicles which also tilts and locks in three positions with a built-in handle mounted safety release to prevent accidental lowering of the load. A foot pedal pump and fine adjustment are fitted on the handle for optimum vehicle height. Automatic safety overload protection and rear toe plate for easy positioning.



Model Number	Max Load (kg/Tonne)	Min Height (mm)	Max Height (mm)	Saddle Ø (mm)	Handle Pieces (mm)	Handle Length (mm)	Chassis Length (mm)	Chassis Width (mm)	Chassis Height (mm)	Net Weight (kg)
T556	5,000/5	150	560	130	1	1,200	1,420	370	200	95.0
T1056	10,000/10	160	560	150	1	1,200	1,555	490	255	145.0

1 tonne (metric ton or t) = 1000kg. *1 ton (imperial ton) = 2240lbs (1016kg).*





Model Number	Capacity	Order Code KEN-503
T556	5 Tonne	**-6380K**
T1056	10 Tonne	**-6420K**

Spares

Description	Order Code KEN-567
Handle Assembly to suit T556 & T1056	**-7800K**

500kg Engine Support Beam

For supporting and accurately positioning engines during maintenance operations and as an aid for the removal of gearboxes and transmissions. 500kg (½ tonne) capacity. Adjustable width to bridge various engine compartments. Fitted with soft rubber feet to protect the bodywork. Supplied with a 92cm long chain. Supporting legs can be tilted.



Type	Capacity	Weight each	Order Code KEN-503
Engine Support	500kg		**-8100K**



Telescopic Transmission Jack

Ideal for car and light commercial transmission removal and installation. Fully adjustable universal rotary saddle with adjustable corner brackets and safety chains. Foot operated pump and release valve leaves both hands free to manoeuvre transmission.
Wide base with four 3" dia. swivel-type ball bearing castors providing stability and easy manoeuvring. Two-stage flash chromed rams inhibit rust from entering the hydraulic system. Lifts from 875 to 1800mm.

Contents	TTJ500
Capacity	½ Tonne
Ram Extensions	2
Minimum Saddle Height	875mm
Maximum Saddle Height	1800mm
Saddle Size	680 x 810mm
Chain Length	95mm
Saddle Tilt Forward	24"
Saddle Tilt Back	19"
Saddle Tilt Side	±20"
Saddle Return Weight	15.8kg (35lbs)
Base	695 x 805mm
Weight	68.5kg

Model Number	Order Code KEN-503
TTJ500	**-7160K**

Description	Order Code KEN-567
Seal Repair Kit	**-8210K**

HAND TOOLS

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KENNEDY Hydraulic Nut Splitter Set

The hydraulic ram provides up to 10 tonnes of direct non-twisting application of thrust that is more effective and secure than a mechanical thrust screw. Fully threaded body allows for quick and easy height adjustment. The splitter bodies are manufactured from carbon steel.

8 Piece Set contents:
1x hydraulic ram.
1x splitter body 3/8" diameter capacity.
1x splitter body 1/2" diameter capacity.
1x splitter body 5/8" diameter capacity.
1x splitter body 3/4" diameter capacity.
1x splitter body 1" diameter capacity.
1x threaded attachment sleeve.
1x oil bottle.



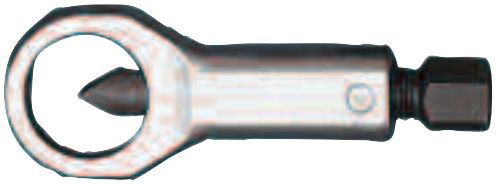
8 PIECES



Product Number	Weight each	Order Code KEN-503
HNS100	4.45kg	-4300K

Nut Splitters

Mechanical drop forged, hardened and tempered plated steel. Ideal for releasing seized/damaged nuts etc.



Product Number	Capacity (mm/Inch)	Weight each	Order Code KEN-503
1	9 - 12 (3/8" - 1/2")	90g	-4090K
2	12 - 16 (1/2" - 5/8")	170g	-4160K
3	16 - 22 (5/8" - 7/8")	350g	-4220K
4	22 - 27 (7/8" - 1 1/16")	600g	-4270K

4 Piece Set
Contents (1 of each): No.1, No.2, No.3, No.4.

4 PIECES



Number of Pieces	Weight each	Order Code KEN-503
4	1.40kg	-4290K

Parts Washers

Used in garage, workshop and industrial applications for degreasing components for inspection and prior to assembly. Recirculated cleaning fluid is filtered before entering the pump and being directed over the work piece. Flexible chrome finish metal delivery hose. Heavy duty non-welded one piece tank. Fully enclosed electric nylon pump. Self-latching fusible linked lid closes in the event of a fire. Triple baked enamel finish. Accepts all common degreasing agents. Shelf keeps parts out of solvent during inspection and drying. Immersion soaking when the parts shelf is removed. Fitted with a three pin moulded plug and a 1.6m power cable.

PWB013 - Bench Standing
Minimum agent capacity 9ltr. Maximum agent capacity 13ltr.
Rubber feet. 240V

Overall size (L x W x H): 470 x 340 x 250mm.
Tank size (L x W x H): 400 x 310 x 230mm.
Power rating: 25W.
Voltage: 240V.
Rated input: 0.3A.



Model Number	Weight each	Order Code KEN-503
PWB013	6.50kg	-8600K

PWF050 - Floor Standing
Minimum agent capacity 40ltr. Maximum agent capacity 50ltr.
Fitted with a drain plug for easy maintenance.
Removable parts basket.
Built in replaceable filter.
Spare filter included.

Overall size (L x W x H):
800 x 550 x 890mm.
Tank size (L x W x H):
725 x 490 x 270mm.
Height of working area: 750mm.
Power rating: 25W.
Voltage: 240V.
Rated input: 0.3A.



Model Number	Weight each	Order Code KEN-503
PWF050	31.0kg	-8640K

Replacement Parts

Description	Order Code KEN-567
Flexible Hose for PWB013	-6050K
Flexible Hose for PWF050	-6060K
Filter for PWB013	-8600K
Filter for PWF050	-8640K
Pump for PWF050/PWB013	-8700K

HAND TOOLS

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KENNEDY Oil Drain Plug Key Set

DPK017
A comprehensive set of quality 3/8" square drive oil drain plug keys with tommy bar. Made from satin finished chrome vanadium.

Contents:
Male square: 7mm, 8mm (5/16"), 9mm, (3/8"), 10mm, 11mm, 12mm and 13mm. Female square: 10mm. Male hex: 8, 9, 10, 12, 14 and 17mm. Male triangular 10mm. Tommy bar.

17 PIECES



Product Number	Number of Pieces	Order Code KEN-503
DPK017	17	-1720K

Oil Filter Cap Wrench Set

Cap type filter wrenches manufactured from chrome vanadium with a satin finish. Use with 3/8" or 1/2" square drive wrenches to remove paper cartridge style oil filters.

Contents: 24, 27, 30, 32, 36, 38mm and 1/2" - 3/8" adaptor.

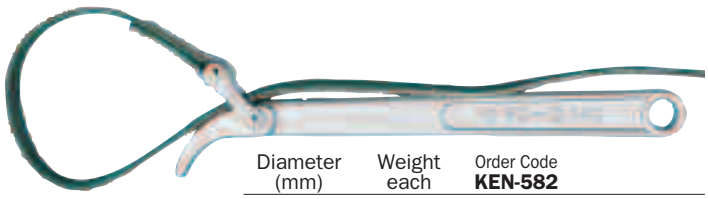
7 PIECES



Diameter (mm)	Weight each	Order Code KEN-503
60 - 140	430g	-1790K

Strap Type Oil Filter Remover

Used for gripping round and irregular shaped items, tubes and piping. Ideal for oil filters, hot radiator caps and hub caps.



Diameter (mm)	Weight each	Order Code KEN-582
60 - 140	280g	-9500K

Three Jaw Oil Filter Wrench

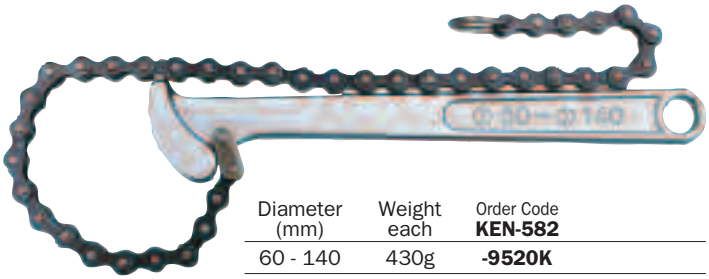
For use with ratchet handles, extension bars, flexible drives etc. With 3/8" square drive and hexagon adaptor, or use with 19mm/3/4" AF spanners or sockets. All steel construction, chrome plated with milled teeth on gripping arms for positive action when loosening or tightening.



Spread/ Range	Weight each	Order Code KEN-503
60 to 120mm	600g	-1800K

Chain Wrench Oil Filter Remover

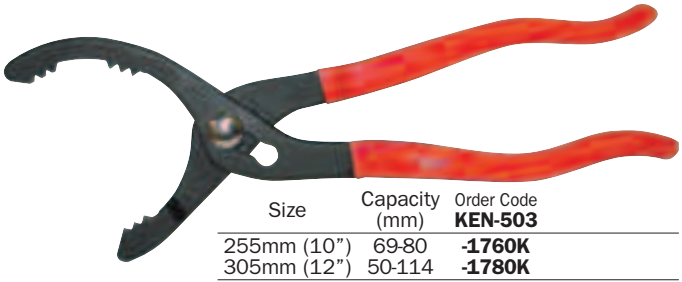
Used for gripping round and irregular shaped items, tubes and piping. Ideal for oil filters, hot radiator caps and hub caps.



Diameter (mm)	Weight each	Order Code KEN-582
60 - 140	430g	-9520K

Oil Filter Pliers

Manufactured from hardened and tempered chrome vanadium with chemically blackened corrosion resistant finish and vinyl grip. Three position rapid jaw adjustment with high grip tooth profile, ensures the minimum amount of effort is required to remove or fit oil filters.

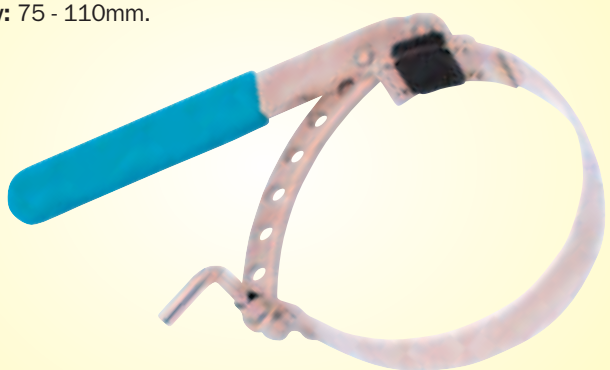


Size	Capacity (mm)	Order Code KEN-503
255mm (10")	69-80	-1760K
305mm (12")	50-114	-1780K

SENATOR QUALITY TOOLING Oil Filter Wrench

Articulated filter wrench with swivel action tightener. Suitable for oil filters with limited access.

Capacity: 75 - 110mm.



Capacity	Weight each	Order Code SEN-503
75 to 110mm	320g	-1800K

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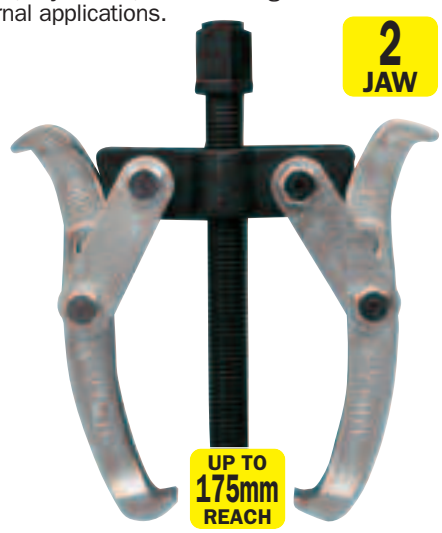
KENNEDY Mechanical Puller - 2 Jaw

Industrial Reversible/Double-Ended Adjustable
Used for the removal of gears, ball races, bearings, pulleys and sprockets from a drive shaft. With reach capacities of 75, 100, 150 and 200mm.
All sizes have double-ended, adjustable, reversible legs and can be used for internal and external applications.

Selection
Always use a three jaw puller whenever possible. This produces better load distribution across the jaws and easier and safer removal of the part. Determine what 'spread' is needed this is the width of the part to be removed.
The reach capacity is determined by the depth of the part to be removed.



Product Number	Spread (mm)	Reach (mm)	Thread Length	Order Code KEN-503
MP275	40 - 75	60	125	**-3030K**
MP2100	50 - 100	70	160	**-3040K**
MP2200	60 - 150	120	240	**-3060K**
MP2150	80 - 200	175	335	**-3080K**

Spare Jaws (Supplied individually)

To Suit Puller	Order Code KEN-567
MP275	**-5330K**
MP2100	**-5340K**
MP2200	**-5360K**
MP2150	**-5380K**

Mechanical Pullers

3-Jaw Industrial Reversible Double-Ended Adjustable
Manufactured from drop forged chrome vanadium steel.



Product Number	Spread (mm)	Reach (mm)	Thread Length	Order Code KEN-503
MP375	40 - 75	60	125	**-3130K**
MP3100	50 - 100	70	160	**-3140K**
MP3150	60 - 150	120	240	**-3160K**
MP3200	80 - 200	175	335	**-3180K**

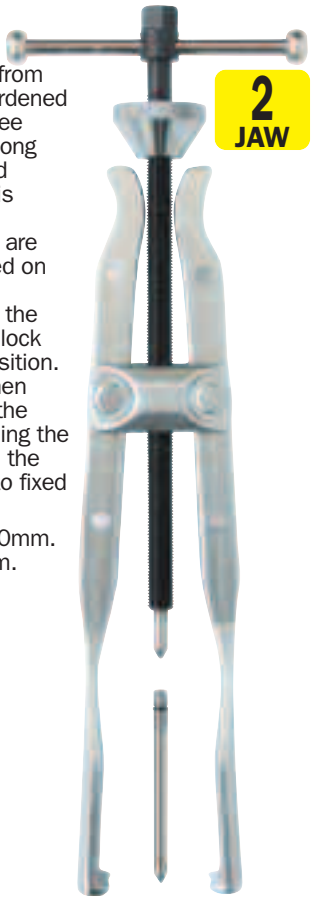
Spare Jaws

To Suit Puller	Order Code KEN-567
MP375	**-5330K**
MP3100	**-5340K**
MP3150	**-5360K**
MP3200	**-5380K**

Long Reach Mechanical Puller - 2 Jaw

Reversible
Manufactured from drop forged hardened alloy steel. Three position extra long legs to be used where access is limited.
The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position. The legs are then retracted with the bearing by turning the T-bar to extend the thrust bolt on to fixed shaft.

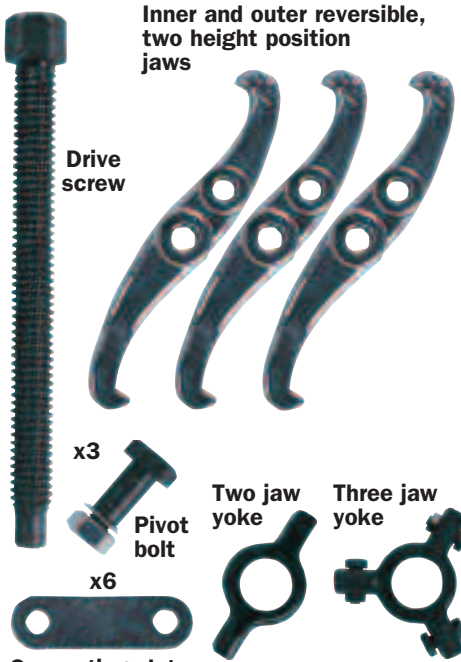
Spread: 10 - 50mm.
Reach: 300mm.



Reach	Weight each	Order Code KEN-503
300mm	1.20kg	**-3320K**

Mechanical Puller - Industrial Kits

2 & 3 Jaw Reversible/Double-Ended/Adjustable
Manufactured from chrome vanadium steel. Each kit contains the components to assemble a 2 or 3 jaw external or internal puller. The legs can be set at two different height positions.



Assemble to produce:
Three jaw external configuration.



Spread (mm)	Reach (mm)	Thread Length	Order Code KEN-503
41 - 53	75	80	**-3230K**
40 - 87	100	100	**-3240K**
60 - 139	150	165	**-3260K**
80 - 194	200	240	**-3280K**

Spare Jaws (Supplied individually)

To Suit Puller	Order Code KEN-567
41 - 53mm	**-5330K**
40 - 87mm	**-5340K**
60 - 139mm	**-5360K**
80 - 194mm	**-5380K**

HAND TOOLS

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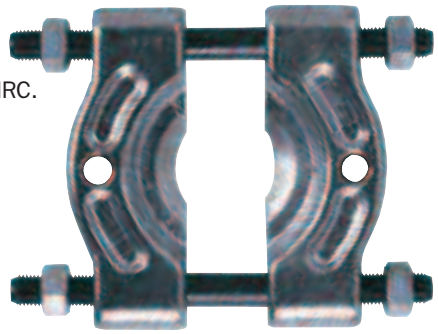
KENNEDY Bearing Separators

For removing bearings, gears and bushes from shafts where access with a mechanical puller is restricted.
Separators have tapered edge for insertion behind close fitting bearings, gears and bushes.

Jaw hardness: 42° - 45° HRC.

UP TO 150mm CAPACITY



Product Number	Capacity (mm)	Order Code KEN-503
BS50	30 - 50	-4520K
BS75	50 - 75	-4540K
BS105	75 - 105	-4560K
BS150	105 - 150	-4580K

Mechanical Separator Set

30 - 75mm
For removing bearings, gears, sprockets and bushes.
Metal storage case.

Contents:
1x 7" thrust bolt.
1x 30 - 50mm separator.
1x 50 - 75mm separator.
2x 80 and 100mm main rods.
2x 90 and 110mm extension rods.
1x beam.



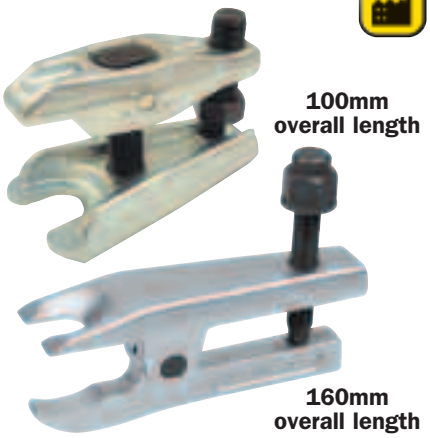
8 PIECES

Product Number	Weight each	Order Code KEN-503
MS12	4.95kg	-4750K

Ball Joint Separators

Manufactured from drop forged alloy steel with slim tapered fork jaw for easier access into confined areas.
Suitable for use on most car and light commercial vehicle ball joints.

100mm Overall Length - Restricted Access
Designed for use in hard to reach and confined areas.
Mainly for use on Asian import cars.



100mm overall length

160mm overall length

Overall Length	Capacity	Throat Depth	Throat Width	Weight each	Order Code KEN-503
100mm	22mm	22mm	22mm	740g	-1400K
160mm	45mm	22mm	18mm	1120g	-4400K

Ball Joint Servicing Kit

Made from cast iron and hardened carbon steel, this kit is designed for the removal of press fit type ball joints without having to remove the control arm from the vehicle. The kit can also be used for removing brake anchor pins and the servicing of universal joint bearings.



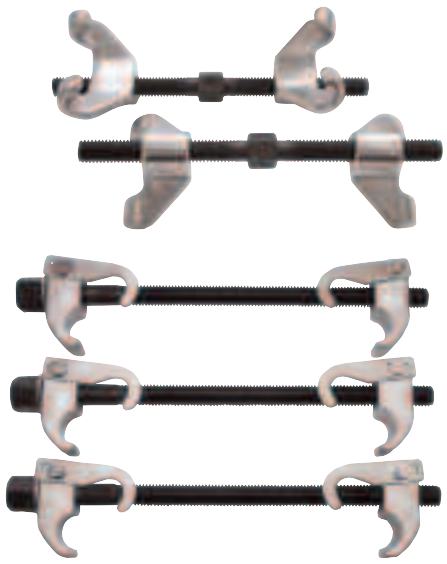
Description	Weight each	Order Code KEN-503
Ball Joint Servicing Kit	7.60kg	-1300K

Spring Compressor Sets

Hardened steel screws and cast steel claws.

2 Legged
Central hexagonal drive with wrap over coil claws which can be reversed for spreading applications. Suitable for use on cars and light commercial vehicles.
Use with 21mm/13/16" AF open ended spanner.
Maximum jaw opening: 250mm.

3 Legged
Each leg has one free moving claw and one threaded claw with a ½" square drive or 24mm hexagon drive - can be used with air tools or spanners.
Fitted with safety hooks to prevent accidental release.
Suitable for use on cars and commercial vehicles and allows safe compression of heavier springs.
Maximum jaw opening: 240mm.



Product Number	Number of Legs	Weight each	Order Code KEN-503
CCD225	2	1.20kg	-2410K
CCD324	3	3.00kg	-2420K

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KENNEDY 6 Way Hydraulic Puller Set

10 ton capacity hydraulic ram with tommy bar.
Supplied with three position puller legs covering a spread of 100 - 240mm and reach of 0 - 150mm.
Can be used as a two or three legged puller with the same head.

Contents:
1x combination head.
1x hydraulic ram.
3x three position puller legs.
6x leg connectors.
6x screw nuts, bolts and washers.
1x 50mm extension rod.
1x centre adaptor.
1x blow moulded storage case.



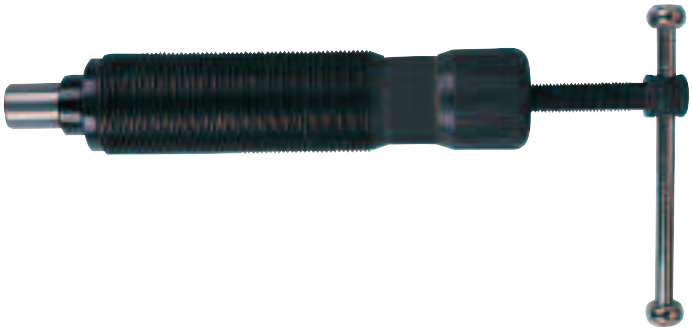


2&3 JAW
250mm REACH

Model Number	Weight each	Order Code KEN-503
HP19	4.90kg	-3500K

Hydraulic Ram

10 ton capacity grease filled hydraulic ram with spring loaded plunger. Provides direct non-twisting application of thrust that is more effective and secure than a mechanical thrust screw.
Fully threaded body allows for quick and easy height adjustment.



Model Number	Weight each	Order Code KEN-503
HR10T	1.40kg	-7200K

Model Number	Order Code KEN-567
Seal Repair Kit	-8230K

Hydraulic Separator Sets

HS7 105 - 150mm
HS11 75 - 105mm

For removing bearings, gears, sprockets and bushes.
10 ton capacity hydraulic ram with tommy bar. Metal storage case.

Both sets contain:
1x hydraulic ram.
1x separator.
2x 200mm main rods.
2x 230mm extension rods.
1x beam.
1x ram nut.
HS7 (only) also contains
1x 80mm push plate.
1x 50mm ram extension.
1 x 100mm ram extension.

8 PIECES





HS7 Set Illustrated



Product Number	Weight each	Order Code KEN-503
HS7	15.0kg	-4700K
HS11	9.30kg	-4720K

Hydraulic Puller/ Separator Set

10 ton capacity hydraulic ram with tommy bar.
Suitable for agricultural machines, garage and industrial use.

Contents:
1x hydraulic ram (KEN- 503-7200K).
3x 4", 6" and 8" puller legs.
1x twin head.
1x triple head.
1x 50mm ram extension.
1x 100mm ram extension.
2x 200mm main rods.
2x 230mm extension rods.
1x 75 - 105mm separator.
1x bolt.
1x ram ring. 1x ram nut.
Blow moulded storage case.







Model Number	Weight each	Order Code KEN-503
HPS22	16.0kg	-3520K

HAND TOOLS

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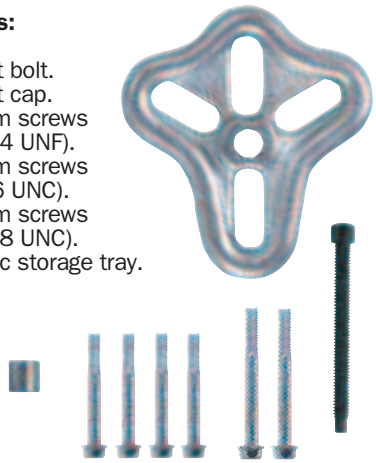
KENNEDY Mechanical Puller Sets

SWP9 Steering Wheel
Suitable for GM, Ford and Chrysler vehicles. Also suitable for removing pulleys and fly wheels.

Contents:
1x yoke,
1x thrust bolt.
1x thrust cap.
2x 75mm screws (5/16" x 24 UNF).
2x 75mm screws (3/8" x 16 UNC).
2x 90mm screws (5/16" x 18 UNC).
1x plastic storage tray.



HPB9 Harmonic Balance
For harmonic balance removal, timing gears and other parts with bolt circle diameters from 38 to 117mm (1½" to 4⅝").
Ductile steel yoke.

Contents:
1x yoke.
1x thrust bolt.
1x ram nut.
3x 75mm screws (3/8" x 24 UNF).
3x 75mm screws (3/8" x 16 UNC).
1x plastic storage tray.



CP18 Combination
Steering wheel puller suitable for GM, Ford and Chrysler vehicles.
For harmonic balance removal, timing gears and other parts with bolt circle diameters from 38 to 117mm (1½" to 4⅝").

Contents:
As SWP9 and HPB9 above.



Model Number	Weight each	Order Code KEN-503
SWP9	1.00kg	-3400K
HPB9	1.80kg	-3420K
CP18	2.75kg	-3440K

Slide Hammer Puller Set

Multi-function
Fully hardened and chromed carbon steel slide hammer with a 1.2kg weight.
Slide hammer design for removing bearings from blind housings. Suitable for use where a shaft or other solid surface is not available for a thrust bolt or hydraulic ram to push against. The bearing is removed by the impact action of the slide hammer weight hitting the stop at the end of the bar. The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position. Blow moulded storage case.

Contents:
1x T-bar.
1x hammer.
1x two jaw head.
1x three jaw head.
1x leg locking nut.
1x grip wrench adaptor.
1x tapping adaptor and hook.
2x axle pullers.
3x 120mm puller legs,
3x screw and nut assemblies.
1x blow moulded storage case.



3 Jaw External | 3 Jaw Internal | 2 Jaw Internal

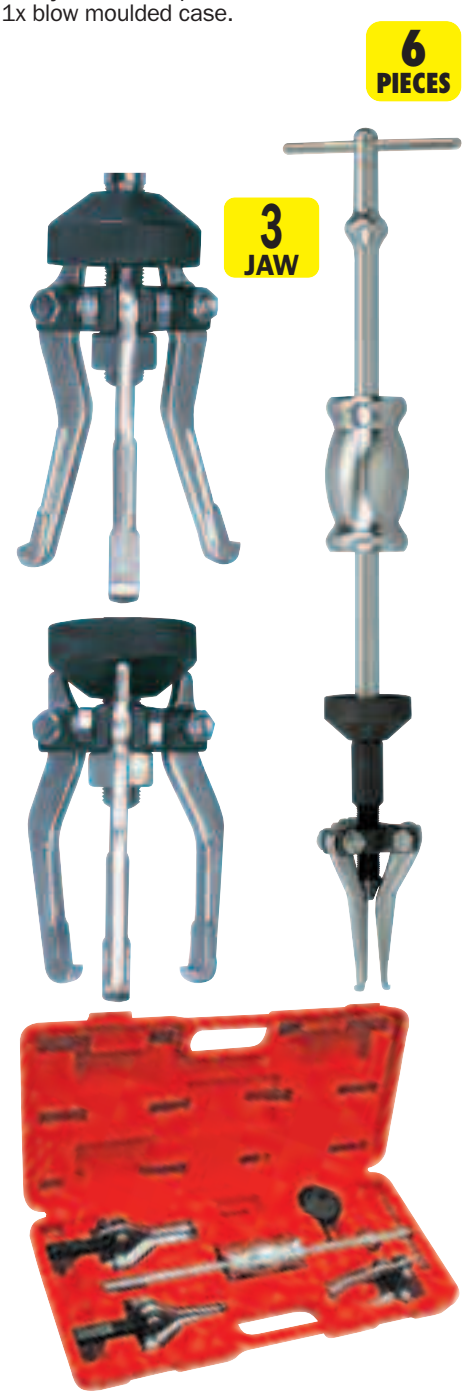
Model Number	Weight each	Order Code KEN-503
SHP8	8.20kg	-3480K

Slide Hammer Puller Set

3 Jaw Internal & External Multi-function Slide Hammer Puller Set

Fully hardened and chromed carbon steel slide hammer with a 1.2kg weight.
Slide hammer design for removing bearings from blind housings.
Suitable for use where a shaft or other solid surface is not available for a thrust bolt or hydraulic ram to push against. The bearing is removed by the impact action of the slide hammer weight hitting the stop at the end of the bar. The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position.
Blow moulded case.

6 Piece Set Contents:
1x T-bar.
1x hammer 1.2kg.
1x 3 jaw internal puller 15 - 30mm.
1x 3 jaw internal puller 30 - 80mm.
1x 3 jaw external puller 15 - 80mm.
1x blow moulded case.



Model Number	Weight each	Order Code KEN-503
IEP	4.95kg	-3340K

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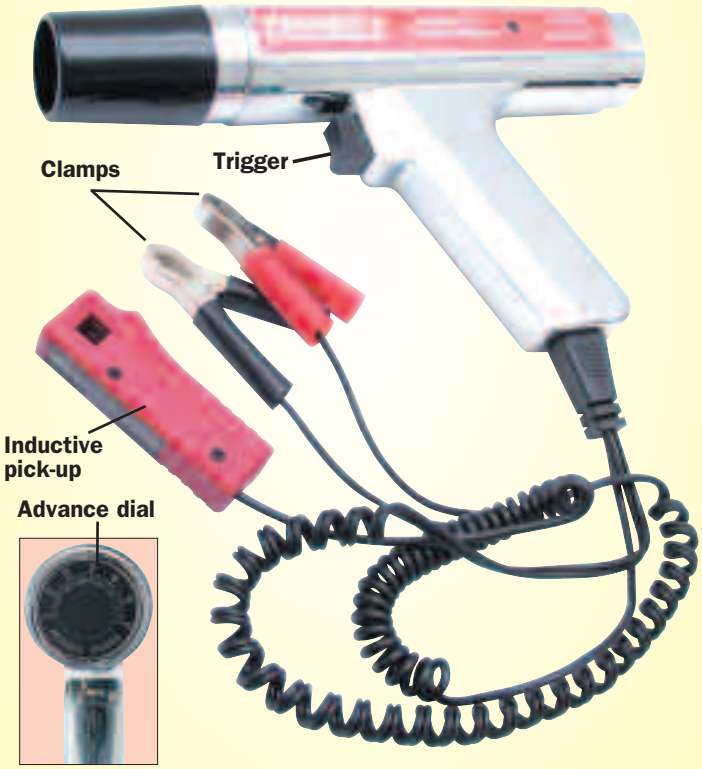
KENNEDY PROFESSIONAL Advance Timing Light

For checking and setting ignition timing on automotive, agricultural and marine engines. Measures ignition spark advance from 0 - 60°. For use on 12V systems. Reverse polarity protected. Accurate to 8,000rpm. 1m long removable coiled power leads. Impact resistant metal case and rubber nose cone. On/off trigger switch. Bright linear Xenon flash tube for daylight use. Focused lens provides a concentrated light. Easy to apply inductive impulse pick-up. Built in check light.



Description	Order Code KEN-503
Advance Timing light	-5320K

KENNEDY QUALITY INDUSTRIAL TOOLING Standard Timing Light

For checking and setting ignition timing on automotive, agricultural and marine engines. For use on 12V systems. Reverse polarity protected. Accurate to 8,000rpm. 135cm long durable power leads. Impact resistant housing. On/off trigger switch. Bright linear Xenon flash tube for daylight use. Focused lens provides concentrated light. Easy to apply inductive impulse pick-up.



Description	Order Code KEN-503
Standard Timing light	-5340K

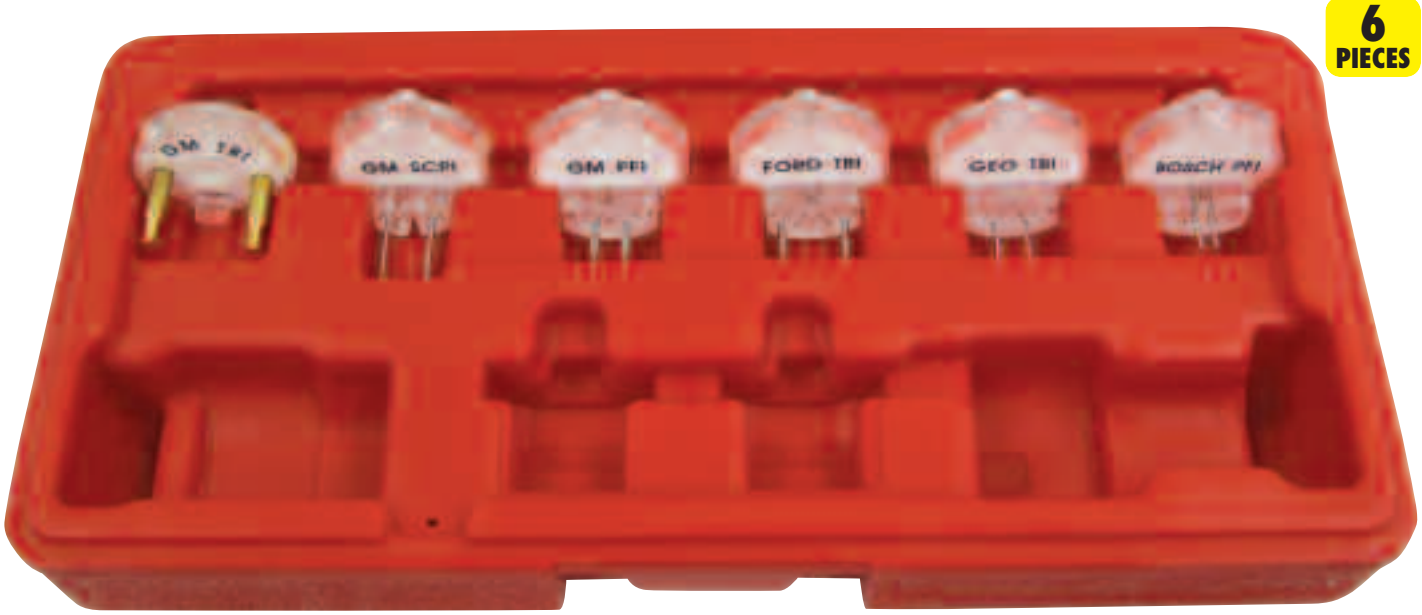
Noid Light 6 Piece Test Set

NLT060

The Kennedy® Noid light test set is for diagnosing fuel injector signal faults fast. Simply disconnect the injector harness and plug in the relevant noid light. Turn the ignition on - if the light is constant or absent, then the signal from the ignition system is at fault. Easy to use and fits a wide variety of injector harnesses.

Compatible with: GM - TBI, GM - SCPI, GM - PFI, FORD - TBI, GEO - TBI, BOSCH - PFI.

6 PIECES



Product Number	Number of Pieces	Order Code KEN-503
NLT060	6	-5020K

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KENNEDY Automatic Battery Chargers

Robust battery charger suitable for home and light workshop use. Simple and easy to use. LED indicators. For WET batteries, AGM technology and GEL batteries. Optimised charging programme. Efficient 3 stage charge. 100% rated output. Portable and lightweight. Intelligent circuit control and protection.

KBC4A
Input: 220-240V 50hz 0.65A
Output: 12VDC 1A/12VDC 4A
Net Weight: 760g

KBC8A
Input: 220-240V 50hz 0.80A
Output: 6VDC 1A/12VDC 8A
Net Weight: 760g







Model Number	Maximum Rated Currency	Order Code KEN-503
KBC4A	4A	**-0320K**
KBC8A	8A	**-0350K**

KENNEDY Booster Cables

For use on cars and light commercial vehicles, these high quality copper coated aluminium cables are colour coded (Red = positive, Black = negative) and feature fully insulated clamps.

400A: 16mm diameter cable suitable for use on up to 2.5L petrol/1.5L diesel vehicles
500A: 25mm diameter cable suitable for use on up to 5.5L petrol/3.0L diesel vehicles

Storage bag supplied.



Amp Rating	Cable Length	Order Code SEN-503
300	2.5m	**-1250K**

SENATOR QUALITY TOOLING Booster Cables

For use on cars and light commercial vehicles, these high quality, light duty copper coated aluminium cables are colour coded (Red = positive, Black = negative) and feature fully insulated clamps.

300A: 10mm diameter cable suitable for use on up to 1.5L petrol vehicles.

Storage bag supplied.



Amp Rating	Cable Length	Order Code KEN-503
400	3.5m	**-5360K**
500	4.5m	**-5370K**

Steel Jerry Cans

Manufactured from 16 swg steel. Suitable for storing petrol. Suitable for storing and transportation of diesel, paraffin and motor oil. With lever type safety sealing cap and integral carrying handle. Painted outside and phosphated internally. **UN Approved, Class 3.**



Capacity	Order Code KEN-503
5ltr	**-9270K**
10ltr	**-9260K**
20ltr	**-9250K**

Metal Spouts For Jerry Can

Capacity	Order Code KEN-503
5 & 10ltr	**-9300K**
20ltr	**-9320K**

5ltr Fuel Containers

Suitable for transporting and storage of petroleum spirit and diesel. UN approved, conforms with **S.I. 1982/630 Petroleum Spirit Plastic Container Regulations 1982.**

Colour coded for use with different fuel types.



Colour	Weight each	Order Code KEN-503
Red	630g	**-9010K**
Green	630g	**-9020K**
Black	630g	**-9030K**

Non-Approved Fuel Containers

Durable polyethylene containers. Diesel, petrol, chemical and oil resistant. Integral rigid dispensing spout.



Capacity	Weight each	Order Code KEN-503
5ltr	320g	**-9100K**
10ltr	500g	**-9120K**
20ltr	755g	**-9140K**

Steel Fuel Can

Manufactured from heavy gauge steel with an epoxy coated finish. Supplied with a flexible polythene vented pouring spout. Suitable for storage and transportation of petroleum spirit. Tested to **DIN 7274, complies with UN Class 3.**



Capacity	Weight each	Order Code KEN-503
10ltr	1.90kg	**-9200K**

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KENNEDY QUALITY INDUSTRIAL TOOLING Mini Air Compressor/ Pressure Gauge/Tyre Inflator

For inflating tyres, airbeds, boats, sports equipment and any other inflatable products. Complete with 3m of cable 12V car cigarette lighter plug, nozzles and adaptors. The dual air pressure gauge can be read in both lb/in² and kg/cm². 300psi.

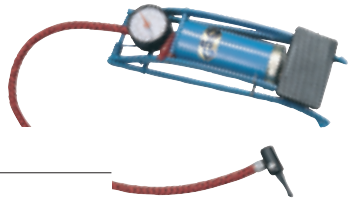


Voltage	Weight each	Order Code KEN-503
12	1.3kg	-2500K

SENATOR QUALITY TOOLING Single Cylinder Foot Pump

Steel barrel, preset pressure gauge, rubber foot-rest pad. Standard thumb-lock connector. 24" hose length.

Capacity: 0 - 7bar/ 0 - 7kgf cm² (100psi).



Capacity	Weight each	Order Code SEN-503
0 - 7 bar	1.1kg	-5350K

Air Line Tyre Inflator

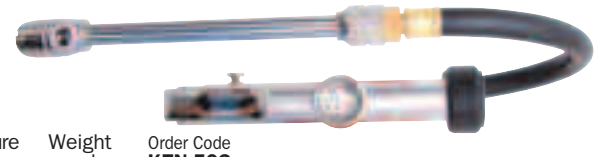
This push on type tyre inflator is robust and has a dial type pressure gauge reading up to a maximum of 170psi. The pressure gauge is protected from accidental damage by a rubber shock guard.



Max. Pressure Reading	Weight each	Order Code KEN-503
170psi	720g	-8480K

Heavy Duty Air Line Tyre Inflator with Gauge

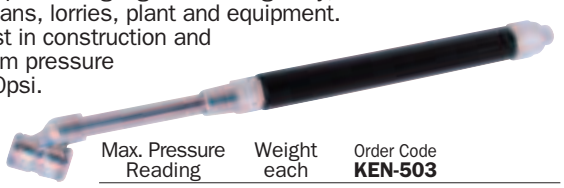
This heavy duty push on inflator is of rugged construction and has a clear view integral pressure gauge reading from 10 - 120psi.



Max. Pressure Reading	Weight each	Order Code KEN-503
120psi	635g	-8520K

Deluxe Type Tyre Pressure Gauge

Manufacturer's recommended pressures are based on cold tyre readings. This pressure gauge has a long body, ideal for use on cars, vans, lorries, plant and equipment. It is very robust in construction and has a maximum pressure reading of 120psi.



Max. Pressure Reading	Weight each	Order Code KEN-503
120psi	230g	-8430K

Fluorescent Warning Triangle

Manufactured from ABS plastic. This simple folding design combines a sturdy four footed base with its rubber grip feet and a high visibility interlocking triangle conforming to European Standard **ECE R27** and tested to **E1** specifications. Supplied in a low profile plastic carrying case.

Triangle dimensions: 440mm (each side).
Triangle height: 380mm.



Description	Order Code KEN-503
Warning Triangle	-8400K

SENATOR QUALITY TOOLING Telescopic Wheel Wrench

Manufactured from drop forged chrome vanadium steel. Supplied with 17/19mm double ended socket that will fit the majority of car wheel nuts. Can be used with any other ½" drive accessories. Extends to 500mm overall to give maximum leverage. **GS and TUV approved.**



Drive	Weight each	Order Code SEN-503
½"	1.00kg	-9000K

Pencil Type Tyre Pressure Gauge

This push-on gauge is suitable for cars, vans and light commercials, where readings of up to 120psi are necessary. It is of chrome plated brass construction with a pen type pocket clip.



Max. Pressure Reading	Weight each	Order Code KEN-503
120psi	43g	-8460K

4000kg Elasticated Tow Rope

Model TRE400
Two zinc plated steel safety hooks. Elasticated core minimises drag on overrun. Heavy duty stitched webbing. On tow sign. Manufactured to **BS AU 187 1983.**

Extended length: 4m.



Length	Order Code KEN-503
4m	-8240K

2000kg Tow Rope

Model TRP200
Zinc plated steel safety hook. Looped one end. Manufactured from tough high visibility polypropylene. On tow sign. Manufactured to **BS AU 187 1983.**

Length: 3.6m.



Length	Order Code KEN-503
3.6m	-8220K

Dial Type Tyre Pressure Gauges

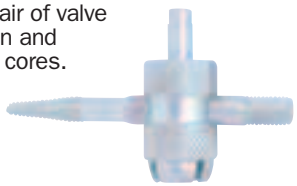
This push-on type pressure gauge is graduated in psi and bar up to a maximum of 64psi (4.5bar). The reading is held until the release button is pressed.



Max. Pressure Reading	Weight each	Order Code KEN-503
64psi	125g	-8440K

4-Way Tyre Valve Service Tool

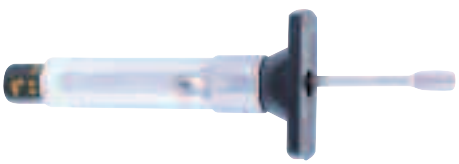
This case hardened tool is for the internal and external repair of valve threads, insertion and removal of valve cores.



Type	Order Code KEN-503
4-Way Tyre Valve Service Tool	-8500K

Tyre Tread Depth Gauge

This handy sized tyre depth gauge is graduated in mm and 1/32" and comes with a pen type pocket clip.



Graduation	Weight each	Order Code KEN-503
mm & 1/32"	25g	-8450K

HAND TOOLS

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KENNEDY Cleaning & Decarbonising Brush Set

20-Piece
This cleaning brush set is very versatile in use as it comes with three different material bristles and can be used either manually or with a power drill.

Contents:
Quick release screwdriver, quick release extension bar,
9, 11, 13, 15, 17 & 19mm Ø Brass Brushes,
9, 11, 13, 15, 17 & 19mm Ø Steel Brushes,
9, 11, 13, 15, 17 & 19mm Ø Nylon Brushes.



Type	Number of pieces	Order Code KEN-503
Cleaning & carbonising brushes	20	-4990K

Spark Plug Brush Set

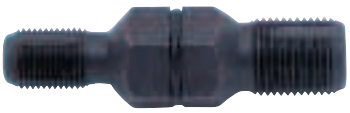
Set of three: nylon, brass and stainless steel.



Type	Order Code KEN-503
Spark Plug Brushes (Set of 3)	-5000K

Spark Plug Hole Thread Chaser

Double ended for 14mm and 18mm plug hole threads. Cleans corrosion and carbon build-up from female spark plug threads and sensor sockets.
Repairs minor cross threading damage.
Use with 21mm deep socket

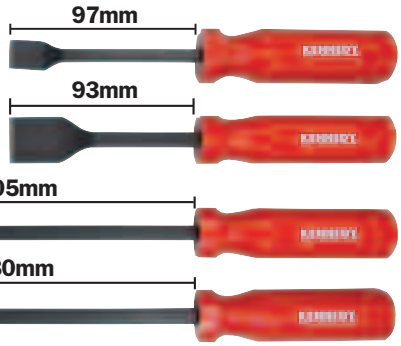


Type	Order Code KEN-503
Spark Plug	-2750K

Standard Length Gasket Scraper Set

Rigid carbon scrapers ideal for cleaning cylinder heads, removing old sealants, carbon build up and a variety of general multi-purpose automotive applications.

Set includes blade lengths:
205 x 13mm (8" x ½"),
205 x 25mm (8" x 1"),
93 x 25mm (3½" x 1"),
97 x 15mm (3¾" x ⅝").

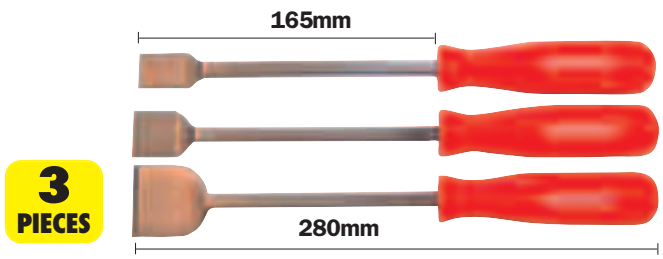


Number of Pieces	Weight each	Order Code KEN-503
4	1.10kg	-1980K

Gasket Scraper Set

Long Handled Gasket Scraper Set
For cleaning cylinder heads and removing old sealants and carbon build up. Hardened and tempered carbon steel shanks and heads are 'offset to edge' to allow easy scraping of flat surfaces. Simple 'firmer' style bevelled points with longer head lengths allow for scrapers to be re-ground several times for maximum service life. Impact resistant square section handle for secure grip even when greasy. Set includes blade widths: 19mm (¾"), 25mm (1") and 38mm (1½").

Overall length: 280mm (11").



Model Number	Weight each	Order Code KEN-503
GSL338	530g	-1700K

Glow Plug Socket Set

GPS060
A comprehensive set of quality glow plug sockets with universal joints for use in awkward areas. Made from satin finished chrome vanadium with a neoprene insert to grip and protect the plug.

Contents: 8, 9, 10, 12, 14 and 16mm.

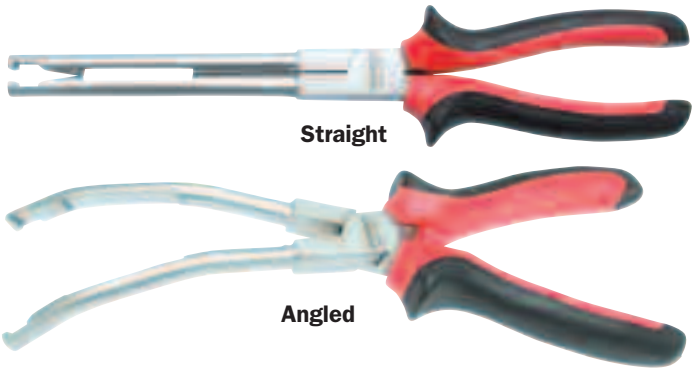


Product Number	Number of Pieces	Order Code KEN-503
GPS060	6	-1740K

Professional Glow Plug Connector Pliers

Suitable for the removal of hard to reach glow plug connectors found on the latest generation of engines. Made from chrome vanadium steel. Composite handle provides added comfort and control.

Blade length: 125mm.



Jaw Type	Order Code KEN-503
Straight	-1240K
Angled	-1260K

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KENNEDY Oxygen 'EGO', '02', 'Lambda' Sensor Socket Set

3 PIECES

Three piece universal set. Essential for servicing today's computer-controlled vehicle systems. Easily removes exhaust gas oxygen sensors (known as 'EGO', '02' or 'Lambda' sensors), vacuum switches and pressure switches. Also suitable for diesel injectors found on Mitsubishi, Nissan, Opel, Vauxhall and VW vehicles. Made from heat treated cast steel.

Set contains:
22mm (7/8") hex, 1/2" square drive socket with 7.5mm side slot for sensor wire clearance. Socket has 22mm hex for use with a spanner.
Overall length: 80mm.
22mm (7/8") hex, crow's foot style wrench, 1/2" square drive (double square for easy access). With full length 11mm slot for total clearance of switch/sensor wire.
22mm (7/8") hex, crow's foot style wrench, 3/8" square drive.
With full length 8.6mm slot for total clearance of switch/sensor wire.



Description	Order Code KEN-503
Sensor Socket Set	-8020K

Rear Axle Bush Installation Tool

For the in-situ installation of the rear axle mounting bushes on selected VW and Audi vehicles such as Audi A3, VW Bora and Golf IV.



Product	Order Code KEN-503
Rear Axle Bush Tool	-1550K

Mondeo Sub-Frame Bush Installation & Removal Tool

For the removal/installation of rear sub-frame bushes in the Ford Mondeo.
Can be used in situ, no need to remove sub-frame from vehicle.

Applications: Ford Mondeo 2001, 10/2000 onwards.



Product	Order Code KEN-503
Sub-Frame Bush Tool	-1540K

Oxygen Sensor Socket

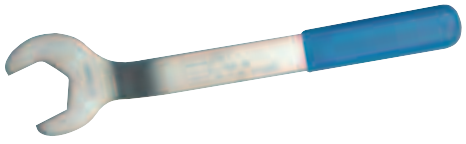
1/2" square drive. 22mm hex. x 90mm length. Cutaway section allows socket to pass over wiring.



Type	Order Code KEN-503
Oxygen Sensor Socket	-2760K

Viscous Hub Spanners

For the removal of thermal viscous fan hubs. Suitable for most makes of car.



Size (mm)	Weight each	Order Code KEN-503
32	325g	-1850K
36	315g	-1860K

Diesel Injection Pump Puller

For the removal of diesel injection pumps from the following engines:

DPP010



DPP020



DPP030



Product Number	Suitable for the following engines	Order Code KEN-503
DPP010	Landrover Freelander (Td4) & Rover 75 2.0d (M47R)	-1620K
DPP020	BMW M47/57 Engines	-1630K
DDP030	2.5TDS (BMW, Landrover, Vauxhall, OPEL)	-1640K

Diesel Injector Removal Set Bosch/Delphi

Specifically designed for removing Delphi/Bosch injectors using 5/8" slide hammer. Set of three adaptors and a special tool for removing the internal part of Bosch injectors which can be used with an air tool to loosen the injectors through vibration.

4 PIECES



Type	Order Code KEN-503
Diesel Injector Removal Set	-1820K

Diesel Injector Seat Cutter Set

Specifically designed for the cleaning and recutting of injector seats. For use with Bosch, Delphi, Iveco, Fiat and other universal applications.

Includes: five cutting reamers, pilot post, T-bar and a hexagon key.

8 PIECES



Type	Number of Pieces	Order Code KEN-503
Seat Cutter Set	8	-1830K

HAND TOOLS

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KENNEDY Radio Release Master Set

RRM046
Radio release master set contains a comprehensive set of high quality tools suitable for authorised release and removal of in-car entertainment units. These professional tools, have a chromed finish and are manufactured from heavy-gauge materials to ensure these tools will not distort in general use. Supplied in foam lined aluminium carry case.

Compatible with the following makes of in-car entertainment units:
Audi, Becker, Becker from 2002, Blaupunkt, Blaupunkt from 2002, BMW, Clarion - New, Clarion - Old, Fiat Brava, Bravo & Marea, Grundig, JVC, Kenwood II to 2001, Kenwood III from 2002, Mercedes Benz, Opel, Opel-Inbus, Panasonic, Panasonic from 2006, Pioneer, Porsche, Skoda from 2002, Sony I to 2001, Sony II from 2002, VW.



46 PIECES

Product Number	Number of pieces	Order Code KEN-503
RRM046	46	-1560K

Trim & Upholstery Tool Set

Five piece set of angled lever tools designed for the easy removal of vehicle trim fasteners, mouldings and wheel hubs. Ideal for use inside and outside the vehicle, the tools are manufactured from plastic to avoid marking and scratching metal, wood or upholstery material.



Number of pieces	Order Code KEN-503
5	-1510K

Magnetic Wing Cover

Designed to be used in the workshop to protect car wings when working. Manufactured from heavy duty vinyl with a soft backing to prevent any scratching or marking of paintwork when in use. The cover is held in place by magnets stitched into the material. Folds to a quarter of its length for storing.



Size (mm)	Weight each	Order Code KEN-503
1100 x 400	810g	-7800K

Anti-Freeze Tester

Suitable for use with Ethylene Glycol or Methanol type anti-freezes. Shows lowest temperature at which the cooling system is protected against freezing. Tough glass tube construction with an easy to read scale. For use on hot or cold engines.



Model Number	Weight each	Order Code KEN-503
AFT001	140g	-1100K

T-Handle Circlip® Tool

Fully adjustable internal and external Circlip® tool. Manufactured from hardened steel fitted with T-handle to give smooth precise control. Supplied with .090", .118", 0.150" and .170" interchangeable tips. 44 - 178mm capacity, ideal for use on commercial vehicles.
Overall length: 310mm.



Overall Length	Order Code KEN-503
310mm	-4980K

Spare Tips

Tip Size	Order Code KEN-567
0.090	-9100K
0.118	-9110K
0.150	-9120K
0.170	-9130K

Seal Puller Tool

Two size tips allow you to remove oil or grease seals from virtually anything including wheel bearings, transmission housings, etc. Hardened and tempered carbon steel shank and head with oxidised finish tips, chrome plated shank for protection against corrosion. Impact resistant square section handle for secure grip even when greasy.
Overall length: 310mm (12¼").



Model Number	Weight each	Order Code KEN-503
SPT312	365g	-2900K

Exhaust Doughnut Puller

To enable fast Installation or removal of rubber anti-vibration mounting rings found on modern exhaust systems. Puller has offset hook for easier application and dipped vinyl handle for added comfort and extra grip. Manufactured from hardened steel.
Length: 290mm.



Model Number	Weight each	Order Code KEN-503
EPD290	225g	-1600K

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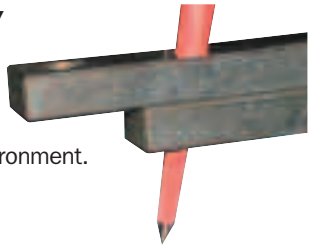
KENNEDY Heavy Duty Pry Bars



Manufactured from forged carbon heat treated steel with ground points. These traditional designs are ideal for use by tradesman in any industrial environment.

Rolling Head
Suitable for use in confined spaces.



Length x Width	Order Code KEN-505
150 x 10mm	-8400K
300 x 13mm	-8420K
450 x 16mm	-8440K

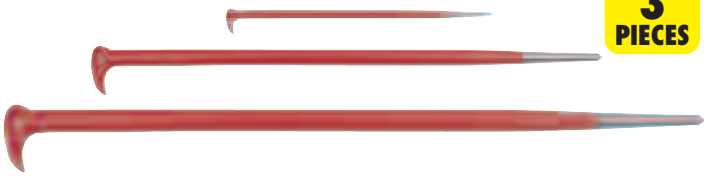
Line Type
Angled blade provides greater leverage.



Length x Section	Order Code KEN-505
400 x 16mm	-8520K
600 x 20mm	-8560K

Rolling Head Set

3 PIECES



Number of Pieces	Contents	Order Code KEN-505
3	150mm Rolling head 300mm Rolling head 450mm Rolling head	-8780K

Line Type Set

2 PIECES



Number of Pieces	Contents	Order Code KEN-505
2	400mm Line Type 600mm Line Type	-8770K

YAMOTO Chisel & Punch Set

14 PIECES

Chrome Vanadium Steel
Contents:
Pin punches: 3/16" x 6", 3/32" x 4 1/4", 1/8" x 4 3/4", 3/16" x 5 1/4" and 1/4" x 5 3/4".
Centre punches: 5/32" x 5".
Chisels: 1/2" x 6", 5/8" x 6 1/2", 3/4" x 7 1/2" and 7/8" x 8".
Taper punches: 3/16" x 10", 7/32" x 10", 5/16" x 10" and 3/8" x 10".



Number of Pieces	Contents	Order Code YMT-505
14	Chisels & Punches	-9010K

Plastic Handled Pry Bars

Made from square section chrome vanadium with ground points. Impact resistant plastic handles offer a more comfortable and secure grip to make these pry bars user friendly. Handles are oil and acid resistant.
Suitable for a wide range of general duty applications within the packing, automotive, maintenance and assembly industries.

Straight Blade
For general duty usage.



Blade Length x Width	Order Code KEN-505
300 x 10mm	-8300K
450 x 13mm	-8320K

Curved Blade
The curved blade provides greater leverage.



Blade Length x Width	Order Code KEN-505
300 x 10mm	-8340K
450 x 13mm	-8360K
600 x 13mm	-8380K

Sets



Number of Pieces	Contents	Order Code KEN-505
3	300mm Straight 300mm Curved 450mm Curved	-8330K
2	450mm Curved 600mm Curved	-8390K

Spot Weld Chisel & Bar

The Right Angled Seam Chisel and L Bar has been specially designed by Kennedy Tools for the separation of hard to reach spot welds and bonded panels as well as coping with the many traditional uses for pry and wrecking bars.

Features & benefits
- Easily separates hard-to-reach spot welded or bonded panels.
- Sharpened on three edges, the sharp end allows for penetration between the panels and both side edges allow for side impact to drive the panels apart without damage.
- 90° end for use in hard-to-reach pinchweld areas.
- Made from a super tough alloy steel.
- Will save the technician up to 15 minutes per panel replacement.

The Right Angled Rascal Bar with three sharpened edges is designed to allow two-directional hammer use on quarter panels, rockers and any other pinchweld. The chisel tip can be used for starting seam separation.



Description	Order Code KEN-505
Chisel & Bar	-1200K

HAND TOOLS

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COLD CHISELS & PRY BARS

KENNEDY QUALITY INDUSTRIAL TOOLING

Cold Chisels - Chrome Vanadium



Manufactured from high quality octagonal chrome vanadium steel with a ground cutting edge, in accordance with **BS 3066**.
For use on brickwork, masonry and cold metals.

Flat
Used for cutting and chipping cold metals and brickwork.

Width x Length (mm)	Octagon (mm)	Order Code KEN-505
6 x 100	6	**-1600K**
6 x 150	6	**-1620K**
9 x 125	9	**-2410K**
9 x 150	9	**-2460K**
12 x 150	9	**-3220K**
12 x 200	9	**-3240K**
12 x 255	9	**-3260K**
12 x 305	9	**-3280K**
16 x 150	12	**-4020K**
16 x 200	12	**-4040K**
18 x 200	16	**-4840K**
18 x 230	16	**-4850K**
18 x 255	16	**-4860K**
18 x 305	16	**-4870K**
18 x 455	16	**-4890K**
25 x 200	22	**-6440K**
25 x 230	22	**-6450K**
25 x 255	22	**-6460K**
25 x 305	22	**-6470K**
25 x 355	22	**-6480K**
25 x 455	22	**-6490K**

Flat Chisel Set



Number of Pieces	Contents (mm)	Order Code KEN-505
3	6 x 150, 12 x 200 & 18 x 255	**-7150K**
3	12 x 150, 18 x 200 & 25 x 255	**-7160K**

Brick Bolster - Chrome Vanadium
Used for splitting bricks.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
75 x 240	22	**-7030K**
100 x 240	22	**-7040K**

Flooring - Chrome Vanadium
Used for prising floorboards and cutting part of the board prior to lifting.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
56 x 230	16	**-7120K**

Pitching - Chrome Vanadium
For removing excess stone and facing, bevelled on one side.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
50 x 212	18	**-6920K**
62 x 212	22	**-6930K**

Half Round - Chrome Vanadium
Used for channelling concrete floors.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
6 x 150	12	**-6620K**
18 x 200	18	**-6640K**

Cross Cut - Chrome Vanadium
Used for channelling brickwork.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
6 x 150	12	**-6720K**
9 x 200	18	**-6740K**

Diamond Point - Chrome Vanadium
Used for channelling brickwork.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
8 x 200	18	**-6840K**

Plugging - Chrome Vanadium
For removing cement mortar from between bricks.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
5 x 255	16	**-7100K**

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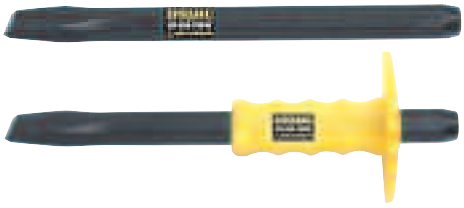
SITESAFE

Contractor Flat Cold Chisels

Manufactured from high quality octagonal chrome vanadium steel with a ground cutting edge, in accordance with **BS 3066**. For use on brickwork, masonry and cold metals.



Width x Length (mm)	Octagon (mm)	Order Code SSF-505
12 x 200	11	-1060K
12 x 200 c/w guard		-1070K
18 x 200	16	-1100K
18 x 200 c/w guard		-1110K
18 x 255	16	-1120K
18 x 255 c/w guard		-1130K
25 x 200	22	-1160K
25 x 200 c/w guard		-1170K
25 x 255	22	-1180K
25 x 255 c/w guard		-1190K
25 x 305	22	-1200K
25 x 305 c/w guard		-1210K

Contractor Cross Cut Chisel

Chrome vanadium - used for channelling brickwork.



Width x Length (mm)	Octagon (mm)	Order Code SSF-505
6 x 150	12	-1260K

Contractor Brick Bolster Chisels

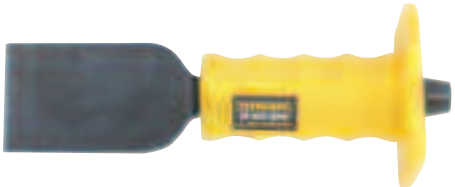
Chrome vanadium - used for splitting bricks.



Width x Length (mm)	Octagon (mm)	Order Code SSF-505
75 x 230	22	-1300K
75 x 230 c/w guard		-1310K
100 x 230	22	-1320K
100 x 230 c/w guard		-1330K

Contractor Electrician's Floor Chisels

Chrome vanadium - hardened and tempered cutting edge. For cutting the tongue in tongued and grooved floorboards.



Width x Length (mm)	Octagon (mm)	Order Code SSF-505
55 x 230	16	-1360K
55 x 230 c/w guard		-1370K

KENNEDY QUALITY INDUSTRIAL TOOLING

Wrecking & Pry Bars

Manufactured from heat treated carbon steel. Ideal for dismantling timber constructions, opening packing cases and removing nails (depending on the type of bar).

Chisel and V-Notch Wrecking Bar

For general dismantling and stripping applications, within a wide range of industries.



Length	Order Code KEN-505
450mm	-7180K
600mm	-7240K
750mm	-7300K

Chisel and Point Crowbar

For heavy duty work.



Length x Width	Order Code KEN-505
900 x 38mm	-7360K
1200 x 42mm	-7480K
1500 x 42mm	-7600K

Heel and Point Crowbar

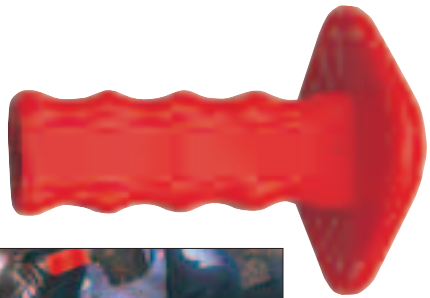
For heavy duty dismantling.



Length x Width	Order Code KEN-505
900 x 38mm	-7690K
1180 x 42mm	-7720K
1500 x 45mm	-7750K

Protector Sleeves

Contoured high impact resistant plastic grips redirects the force of miss-hits safely away from your hands preventing injury.
Suitable for use with octagonal cold chisels.

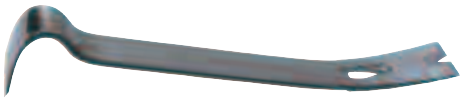




To Suit Octagon Size	Length (mm)	Order Code KEN-505
13mm	120	-9040K
16mm	120	-9050K
19mm	120	-9060K
22mm	120	-9070K

Super Lever Pry Bars

Multi purpose. Can be used as a nail lifter, pry bar, adze or lever.



Length x Width	Order Code KEN-505
325 x 33mm	-8200K
375 x 33mm	-8250K

Combination Sets

Containing one wrecking bar and one pry bar.



Contents	Order Code KEN-505
450mm Wrecking Bar, 325mm Pry Bar	-8750K
600mm Wrecking Bar 375mm Pry Bar	-8760K

Scutch Holders - Carbon Steel

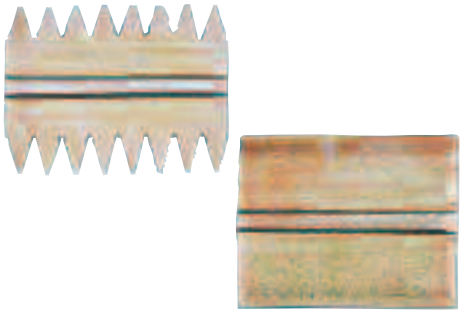
Used for chasing out and general masonry work.



Width x Length (mm)	Octagon (mm)	Order Code KEN-505
25 x 200	18	-6860K
38 x 200	18	-6870K

Detachable Bit

For scutch chisels and hammers.



Comb Type	Width (mm)	Order Code KEN-505
Wide/Coarse	25	-9130K
	38	-9140K
Plain/Drove	25	-9230K
	38	-9240K

HAND TOOLS

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KENNEDY Girder Section Levels

Professional quality with three factory set vials, horizontal and two plumb, aluminium body with powder coat finish.

Accuracy: 0.75mm/m. Top face marked with metric and inch graduations. V-groove base for use on pipe work.



Length (mm)	Number of Vials	Weight each	Order Code KEN-510
400 (16”)	3	295g	**-1160K**
900 (36”)	3	600g	**-1360K**
1000 (40”)	3	710g	**-1400K**
1200 (48”)	3	850g	**-1480K**

KENNEDY PROFESSIONAL Box Section Spirit Levels

Extruded aluminium body. Powder coated finish. Three high visibility vials: horizontal, plumb and 45°. Two rubberised handle grips and two milled working faces.

Accuracy: 0.5mm/m.

NEW



Length (mm)	Number of Vials	Weight each	Order Code KEN-510
300 (12”)	3	390g	**-3300K**
600 (24”)	3	650g	**-3360K**
800 (32”)	3	960g	**-3380K**
1000 (40”)	3	1.07kg	**-3400K**
1200 (46”)	3	1.27kg	**-3420K**
1800 (72”)	3	1.90kg	**-3480K**

SENATOR QUALITY TOOLING ABS Plastic Girder Section Level

Manufactured from impact resistant ABS plastic.
Three vials horizontal, vertical and 45°.
Metric and Inch graduated face.

Accuracy: 1mm/1000mm.



Length (mm)	Number of Vials	Weight each	Order Code SEN-510
610 (24”)	3	290g	**-2240K**

Torpedo Level

With magnetic base. Made from impact resistant ABS plastic. Three vials horizontal, vertical and 45°.

Accuracy: ±1.0mm/m.



Length	Weight each	Order Code SEN-510
230 (9”)	140g	**-2090K**

Boat Levels

Construction Boat Level

Die-cast aluminium frame with a milled measuring face for accuracy. 1 vertical, 1 horizontal vial for normal and upside down measuring. A very popular level with scaffolders. Includes leather belt pouch.

Accuracy: 1.0mm/m.



Base Type	Length (mm)	Weight each	Order Code KEN-510
Non-magnetic	250 (10”)	185g	**-0100K**
Magnetic	250 (10”)	185g	**-0160K**

Torpedo Level

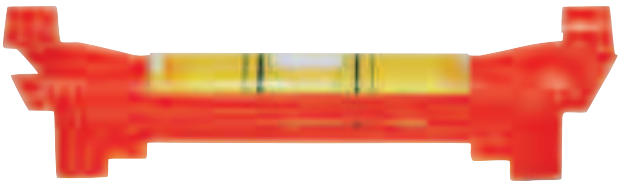
Professional - with two factory set horizontal and angled vials which are shockproof to a tolerance of 1mm/m. Die cast zinc body with enamelled finish. V-groove on base.



Length	Weight each	Order Code KEN-510
230mm/9”	140g	**-0090K**

Line Level

This durable line level is made hard wearing plastic. With reversed line hooks for a positive hold and a pocket clip. 13mm (½”) wide.

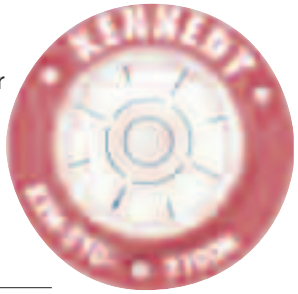


Length	Weight each	Order Code KEN-510
75mm (3”)	45g	**-2400K**

Bullseye Level

Made from tough hard wearing plastic. Can be free standing, or fixed onto a surface. The all purpose Bullseye circular level will show level of any surface in all directions at once.

Height: 16mm.



Base Dia.	Level Dia.	Order Code KEN-510
50mm	32mm	**-2100K**

Magnetic Post Levels

Made from hard wearing plastic this specialist level designed to ensure both square and round posts are upright prior to permanent fixing. The right angle plate has two horizontal vials and one vertical vial with flush magnets for metal posts and an integrated elastic fixing strap for other materials.

Accuracy: ±1.0mm/m.



Overall Size	Weight each	Order Code KEN-510
75 x 125mm	87g	**-2800K**
85 x 140mm	87g	**-2820K**

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KENNEDY QUALITY INDUSTRIAL TOOLING

Extending Support Prop

This lightweight support prop is designed to give a helping hand when fixing overhead panelling and boarding. It has 125 x 80mm flat plates at both ends with a swivel ball joint for ease of use and to avoid damage to panel when pressure is applied.
It has four pre-set adjustable height ranges: 1.16 to 2m, 1.46 to 2.3m, 1.76 to 2.6m, 2.06 to 2.9m.

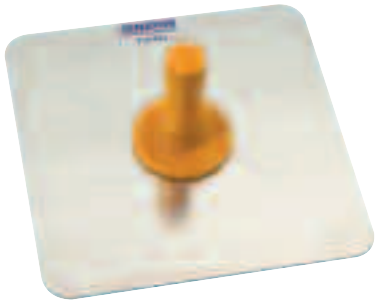


Range	Order Code KEN-512
1.6 - 2.9m	-4000K

SENATOR QUALITY TOOLING

Plasterer's Hawk

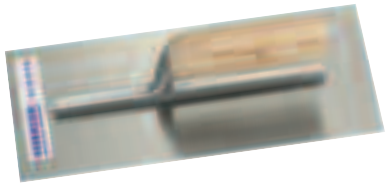
With single screw fixing, zinc plated for corrosion protection. Heavy gauge sheet aluminium platform, highly polished, mirror finish. Suitable for DIY use.



Size (mm)	Weight per 10	Order Code SEN-512
265 x 265	6.20kg	-0920K

Plasterer's Trowel

Economy
Single tang, banana shaped handle with six concealed welded rivets to securely fix 'cross ground', hardened and tempered blade.



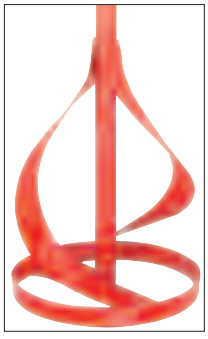
Size	Weight per 10	Order Code SEN-512
280mm (11")	4.60kg	-0100K

KENNEDY PROFESSIONAL

Paint & Plaster Mixer

Used for mixing plaster, concrete, filler, epoxy resin, emulsion paint and wallpaper paste. The stirring end should be fully immersed before the shaft is turned.

Light duty shaft: 8mm hex.
Overall length: 400mm.
Heavy duty shaft: 12mm hex.
Overall length: 600mm.





Shaft	Weight per 10	Order Code KEN-512
Light Duty	680g	-2780K
Heavy Duty	860g	-2800K

KENNEDY PROFESSIONAL

Plasterer's Hawk

Lightweight scoured aluminium blade to prevent plaster 'slip-off'. Detachable wooden handle with cushioned comfort ring. Designed to reduce discomfort during periods of extended use. Manufactured to the high standards expected by today's trade.



Size (mm)	Weight per 10	Order Code KEN-512
300 x 300	7.00kg	-0920K

Plasterer's Trowel

Aluminium shank single tang banana pattern. Six rivet construction 'cross ground' to prevent drag. For laying on and finishing plaster. Manufactured to the high standards expected by today's trade.



Size	Weight per 10	Order Code KEN-512
280mm (11")	4.00kg	-0100K

KENNEDY QUALITY INDUSTRIAL TOOLING

Wooden Skimming Float

Manufactured from selected timber. Ideal for producing a sandy surface finish when rendering plaster or concrete.



Size (mm)	Weight per 10	Order Code KEN-512
290 x 100	190g	-0950K

Adhesive Trowel

High quality moulded and contoured handle. Large base with two coarse pitched edges and two fine pitched edges. Suitable for use with all tile and carpet adhesives.



Size (mm)	Weight per 10	Order Code KEN-512
270 x 110	190g	-0400K

HAND TOOLS

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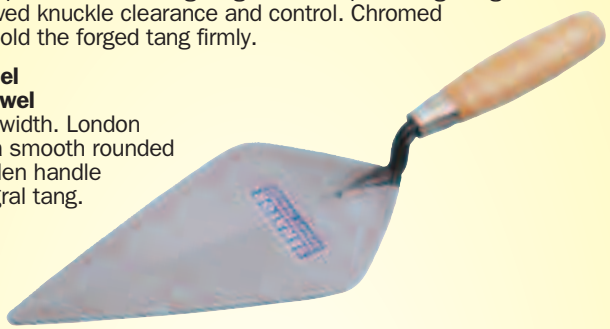
SENATOR QUALITY TOOLING Builder's Trowel

Ground polished, hardened and tempered high carbon steel alloy blades, tapered to remain rigid right to the tip with high angle handles for improved knuckle clearance and control. Chromed ferrules hold the forged tang firmly.

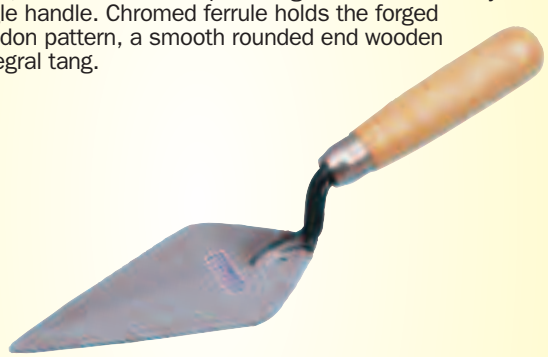
Broad Heel Brick Trowel
11" heel width. London pattern, a smooth rounded end wooden handle with integral tang.



Overall Length	Type	Order Code SEN-512
280mm (11")	London	-0060K

Pointing Trowel

Ground polished, hardened and tempered high carbon steel alloy blade, high angle handle. Chromed ferrule holds the forged tang firmly. London pattern, a smooth rounded end wooden handle with integral tang.



Overall Length	Width (mm)	Order Code SEN-512
150mm (6")	75	-0020K

Gauging Trowel

London pattern, a smooth rounded end wooden handle with integral tang.



Overall Length	Width (mm)	Order Code SEN-512
180mm (7")	90	-0040K

KENNEDY PROFESSIONAL Professional Brick Trowel

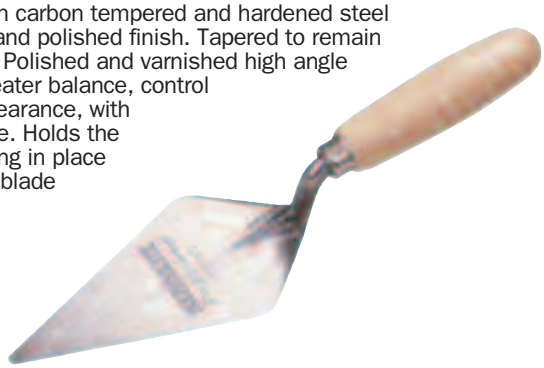
Manufactured from high carbon tempered and hardened steel with a ground and polished finish, tapered to remain rigid to the tip. Polished and varnished high angle handle, with chromed ferrule, holds the tang in place preventing the blade from twisting.



Overall Length	Width (mm)	Order Code KEN-512
280mm (11")	140	-0060K

Professional Pointing Trowel

Made from high carbon tempered and hardened steel with a ground and polished finish. Tapered to remain rigid to the tip. Polished and varnished high angle handles for greater balance, control and knuckle clearance, with chromed ferrule. Holds the forged steel tang in place preventing the blade from twisting.



Overall Length	Width (mm)	Order Code KEN-512
150mm (6")	75	-0020K

Gauging Trowel

London pattern, a smooth rounded end wooden handle with integral tang.



Overall Length	Width (mm)	Order Code KEN-512
180mm (7")	90	-0040K

KENNEDY QUALITY INDUSTRIAL TOOLING Masonry Saws

Hardened and tempered steel blade with carbide teeth.

Heavy Duty
Suitable for cutting man made building blocks and bricks with 35 tungsten carbide teeth.

Medium Duty
Suitable for cement based building blocks, 17 tungsten carbide tips on alternate teeth.



Heavy Duty



Medium Duty

Type	Blade Length	Teeth per inch	Weight each	Order Code KEN-597
Medium	622mm	17	1.10kg	-5720K
Heavy	490mm	35	1.20kg	-5740K

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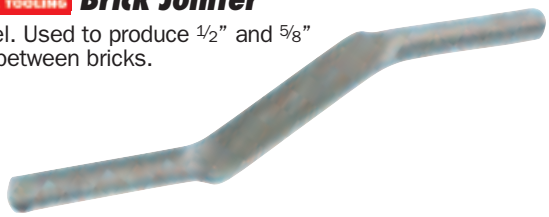
KENNEDY Double Ended Brick Jointer

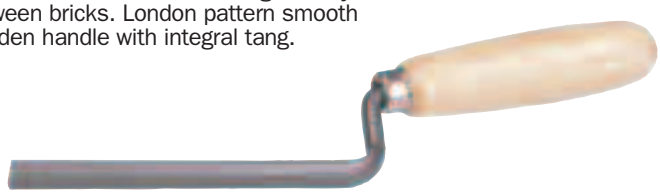
Heavy duty steel. Used to produce ½" and ⅝" concave joints between bricks.



Overall Length	Order Code KEN-512
580	-0440K

Brick Jointer

Suitable for half round finishing of the joints between bricks. London pattern smooth wooden handle with integral tang.



Size (mm)	Weight per 10	Order Code KEN-512
150 x 12	1.50kg	-0420K

Plumb Bobs

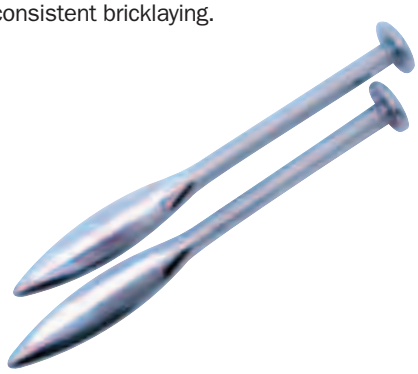
Corrosive resistant epoxy coated with brass screw cap. For establishing vertical datum line without the use of a level.



Weight each	Order Code KEN-512
5oz	-2050K
10oz	-2100K

Line Pins

Construction quality, hand, chrome plated line pins. Supplied in pairs. Use with Kennedy brick line to create a horizontal line for consistent bricklaying.



Size	Weight per 10	Order Code KEN-512
150mm (6")	140g	-2160K

Brick Line

Construction quality, use with line pins and plumb bobs.



Size	Weight per 10	Order Code KEN-512
18m (60')	740g	-2180K

RUTLAND CONTRACTORS TOOLS Flexible Buckets

Extremely versatile and virtually indestructible. It can be used for moving soil, garden waste, rubble and various other jobs around a garden or building site.
460mm diameter.



Size	Weight each	Order Code RTL-523
42ltr	200g	-4880K

KENNEDY Builder's Buckets

Capacity: 13.5ltr (3gal.)
Plastic: medium 'V' lip.
Rubatype: Large 'V' lip. All rubber.



Type	Weight each	Order Code KEN-907
Plastic	0.55kg	-8030K
Rubatype	2.10kg	-8130K

KENNEDY 15ltr Invincible Yellow Builders' Bucket

15ltr (3 gal.) filling scale inside.
Five year guarantee.



Capacity	Order Code KEN-907
15ltr	-8300K

SITESAFE Builder's Flexible Bucket

Extremely versatile and virtually indestructible. it can be used for mixing plaster or cement, moving rubble and various other jobs around a building site.



Size	Order Code SSF-512
Yellow Buckets	
26ltr	-2980K
40ltr	-3000K
75ltr	-3040K
Blue Buckets	
26ltr	-3080K
42ltr	-3100K

HAND TOOLS

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KENNEDY Multi-Purpose Crimping Plier Kit

100 PIECES

Made from heavy gauge carbon steel heat treated to HRa 65/70. Chemically blackened with cushion grip handles for operator comfort.
Kit comes complete with 100 assorted insulated and non-insulated terminals in a neat plastic see through box.

Strip range: 0.75 - 6.
Crimp/cut capacity: 1.5 - 16mm.





Description	Order Code KEN-515
Plier only	**-5050K**
100 Piece Kit	**-5090K**

5-Way Stripping & Crimping Kit

361 PIECES

240mm heavy gauge hardened carbon steel wire crimper with anvil action cutters and PVC grip.

Insulation terminals: 1.5mm$_{2}$ (red), 2.5mm$_{2}$ (blue) and 6.0mm$_{2}$ (yellow).
Wire cutters: M2.6, M3.0, M3.5, M4.0 and M5.0mm.
Non insulated terminals: 1.5mm$_{2}$, 2.5mm$_{2}$ 4.0 - 6.0mm$_{2}$.
Wire strippers: 0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm$_{2}$.
Kit Contents: 40mm 5-Way Crimping Tool.
Blade connectors: red - 2.3 x 10.4mm, blue - 2.8 x 9.0mm.
Push-on spade connectors - male: red - 6.3 x 0.8mm, blue - 6.3 x 0.8mm.
Push-on spade connectors - female: red - 6.3 x 0.8mm, blue - 6.3 x 0.8mm.
Butt connectors: red - 0.5 x 1.5mm^2, blue - 1.5 x 2.5mm^2.
Bullet connectors - male: red - 4.0mm^2, blue - 4.0mm^2.
Bullet connectors - female: red - 4.0mm, blue - 4.0mm.
Fork connectors: red - 4.0mm, blue - 4.0mm, yellow - 4.0mm.
Ring connectors: red - 4.0mm, blue - 4.0mm, yellow - 6.0mm.





Description	Order Code KEN-515
361 Piece Ratchet Crimping Kit	**-5530K**

Heavy Duty Ratchet Crimping Tool Kit

552 PIECES

Heavy duty 220mm ratchet crimper with a selection of pre-insulated red, blue and yellow electrical connector terminals, cable ties and insulation tape. Ratchet crimper has laminated steel jaws with strengthened PVC handle grips.
Suitable for crimping insulated terminals as follows: red channel: 0.5 - 1.00mm$_{2}$, blue channel: 1.5 - 2.5mm$_{2}$, yellow channel: 4.0 - 6.0mm$_{2}$.
Supplied in a fitted case with slide locking clips and handle.

Kit contents: Heavy duty ratchet crimper, black insulation tape (19mm x 9m), black cable ties (2.5 x 100mm).
Ring connectors: red - 3.7, 4, 5mm, blue - 3.7, 4, 5, 6mm, yellow - 4, 5mm.
Butt connectors: red - 1.5 x 1.5mm^2, blue - 1.5 x 2.5mm^2.
Push-on spade connectors - male: red, blue, yellow - 6.3 x 0.8mm.
Push-on spade connectors - female: red, blue, yellow - 6.3 x 0.8mm.
Push-on spade covered connectors - female: red, blue - 6.3 x 0.8mm.
Push-on piggy back connectors - female: red, blue - 6.3 x 0.8mm.
Bullet connectors - male: red, blue - 4mm.
Bullet connectors - female: red, blue - 4mm.



Description	Order Code KEN-515
552 Piece Ratchet Crimping Kit	**-5540K**

Terminals - Rings/Forks

Red ring 4BA, 2BA and 1/4.
Blue ring 2BA, 1/4 and 5/16.
Yellow ring 1/4, 5/16 and 3/8.
Spade blue, red and yellow.

Average quantity:
300 pieces.



Type	Average Quantity	Weight each	Order Code KEN-515
Terminals	300	0.60kg	**-5620K**

Terminals - Spades/Bullets/Butt Connectors

Contents:
Butt connectors:
red, blue and yellow.
Spade connectors (push-on female):
6.3mm - red, blue and yellow.
Female bullet connectors:
4mm - red, and blue.
Male bullet connectors:
4mm - red and blue.



Type	Average Quantity	Weight each	Order Code KEN-515
Terminals	240	0.40kg	**-5610K**

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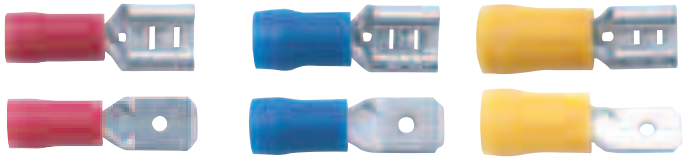
KENNEDY Standard Industrial Terminals

Durable low cost copper or brass connectors. Manufactured as single piece connectors. Electro tinned to protect from corrosion.
Insulated with flared entry, colour coded vinyl sleeves.
All disconnect terminals supplied with anti-vibration copper sleeve.

Push-on Female and Male Tab Connector Terminals
Pack quantity: 100.



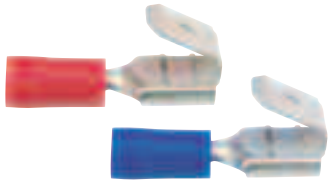
Type	Colour	Tab Size (mm)	Order Code KEN-515
Push-on	Red	6.3 x 0.8	-3000K
Push-on	Blue	6.3 x 0.8	-3010K
Push-on	Yellow	6.3 x 0.8	-3020K
Tab	Red	6.3 x 0.8	-3700K
Tab	Blue	6.3 x 0.8	-3710K
Tab	Yellow	6.3 x 0.8	-3720K

Push-on Fully Insulated Female Connector Terminals
Pack quantity: 100.



Type (Female)	Colour	Tab Size (mm)	Order Code KEN-515
Push-on	Red	6.3	-1520K
Push-on	Blue	6.3	-1500K
Push-on	Yellow	6.3	-1540K

Push-on Piggy Back Terminals
Pack quantity: 100.

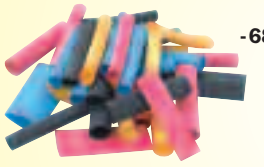




Type (Female)	Colour	Tab Size (mm)	Order Code KEN-515
Push-on	Red	6.3	-3730K
Push-on	Blue	6.3	-3740K

Heat Shrink Tubing Kits

Suitable for connecting, end handling, electric wire insulating and harnessing, corrosion proofing metal rods and tubes, antenna protection. Made from halogen-free environmentally friendly polyolefin which is flame retardant and RoHS compliant. It's operating temperature is from 55°C to 125°C and shrinking starts at 70°C and becomes totally shrunk at 110°C. It's shrink ratio is 2:1 and has a maximum electrical rating of 600V. Assorted colours. For use with heat guns and gas torches.



-6800K

-6900K





-6910K

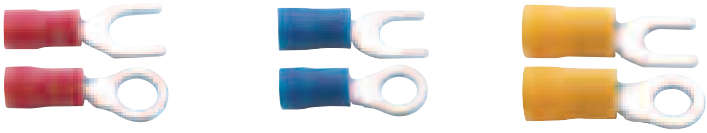
Number of Pieces	Tube Dia. (mm)	Order Code KEN-515
32	4.8 (16), 6.4 (12), 9.5 (4)	-6800K
171	2 - 18 (Assorted)	-6900K
181	2 - 9 (Assorted)	-6910K

Blade Connector Terminals
Pack quantity: 100.



Type	Colour	Size (mm) Dia. x L	Order Code KEN-515
Blade	Red	2.3 x 10.4	-2000K
		1.9 x 18.4	-2010K
Blade	Blue	2.8 x 9.0	-2050K
		2.3 x 18.4	-2060K
Blade	Yellow	2.8 x 10.0	-2100K

Fork and Ring Connector Terminals
Pack quantity: 100.



Type	Colour	Tab Size (mm)	Order Code KEN-515
Fork	Red	3.2	-2200K
		3.5	-2210K
		4.0	-2220K
		5.0	-2230K
		6.0	-2240K
Fork	Blue	3.2	-2260K
		3.5	-2270K
		4.0	-2280K
		5.0	-2290K
		6.0	-2300K
Fork	Yellow	3.0	-2320K
		4.0	-2330K
		5.0	-2340K
		6.0	-2350K
Ring	Red	3.0	-2400K
		3.7	-2410K
		4.0	-2420K
		5.0	-2430K
		6.0	-2440K
		8.0	-2450K
		10.0	-2460K
Ring	Blue	3.0	-2500K
		3.7	-2510K
		4.0	-2520K
		5.0	-2530K
		6.0	-2540K
		8.0	-2550K
		10.0	-2560K
		12.0	-2570K
Ring	Yellow	3.0	-2600K
		4.0	-2620K
		5.0	-2630K
		6.0	-2640K
		8.0	-2650K
		10.0	-2660K
		12.0	-2670K

Butt Connector Terminals
Pack quantity: 100.



Type	Colour	Pack Quantity	Order Code KEN-515
Butt	Red	100	-2900K
Butt	Blue	100	-2910K
Butt	Yellow	100	-2920K

Female Socket and Male Bullet Connector Terminals
Pack quantity: 100.



Type	Colour	Bullet Dia. (mm)	Order Code KEN-515
Socket	Red	4.0	-3100K
Socket	Blue	4.0	-3110K
		5.0	-3120K
Socket	Yellow	5.0	-3130K
Bullet	Red	4.0	-3500K
Bullet	Blue	4.0	-3510K
		5.0	-3520K
Bullet	Yellow	5.0	-3530K

HAND TOOLS

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KENNEDY PROFESSIONAL Crimping Tools

Adaptable crimping tool with 4 easy-change dies to meet your crimping needs. The design features a ratchet handle to enable the application of consistent pressure, as well as a quick release lever, tension adjustment wheel, locking screw and soft grip handles. Heat treated steel with a zinc phosphate surface finish.

NEW

KRC04 4 Piece Ratchet Crimping Tool Set

Dies supplied:

Insulated Terminal:
0.5-1.0mm² - 4.0-6.0mm²

Non-insulated Terminal:
1.5mm² - 10mm²

8 Position 8 Connector:
8P8C/RJ45 Plugs

RG Type Coaxial Connector: RG 58, 59, 62 and 6, 6.48mm - 8.23mm.

Ratchet handle for consistent pressure

'Quick Release' feature

Finished with heat treatment and zinc phosphate surface treatment

Soft grip handles



KRC04

Product Number	Size	Order Code KEN-515
KRC04	4	-5710K

This set contains Die types A, B, E and G3.
See below and left for full details.

Die Type A



Insulated Terminal
AWG 22-18/16-14/12-10/
0.5-1.0/1.5-2.5/4.0-6.0mm²

Used for:
Auto
Machine Wiring
Technician
Electrician

Die Type B



Non-Insulated Terminal
AWG 20-18/16-14/12-10/8.0
1.5/2.5/6.0/10mm²

Used for:
Auto
Machine Wiring
Technician
Electrician

Die Type C



Open Barrel Terminal
AWG 20-18/16-14/12-10
0.5/1.0/1.5-2.5/4.0-6.0mm²

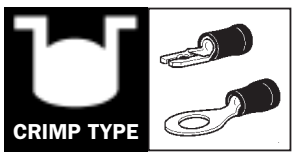
Used for:
Auto
Computer
Radio
Machine Wiring

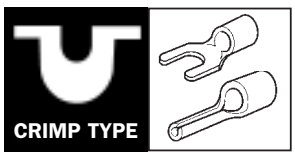
Die Type D

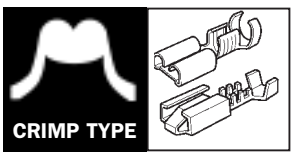


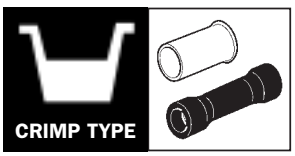
Cord End Terminal (Small AWG)
AWG 22/20/18/16/14/12
0.5/0.75/1.0/1.5/2.5/4.0mm²

Used for:
Auto
Machine Wiring
Electrical Engineer









Type	Order Code KEN-515
A	-5100K

Type	Order Code KEN-515
B	-5110K

Type	Order Code KEN-515
C	-5120K

Type	Order Code KEN-515
D	-5130K

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KENNEDY PROFESSIONAL Crimping Tools

Adaptable crimping tool with 4 easy-change dies to meet your crimping needs. The design features a ratchet handle to enable the application of consistent pressure, as well as a quick release lever, tension adjustment wheel, locking screw and soft grip handles. Heat treated steel with a zinc phosphate surface finish.

KRC07 7 Piece Ratchet Crimping Tool Set
Dies supplied:

Insulated Terminal:
0.5- 6.0mm²

Non-insulated Terminal:1.5mm² - 10mm²

Open Barrel Terminal:
0.5 - 6.0mm²

Cord End Terminal (Small AWG):
0.5mm² - 4.0mm²

RG Type Coaxial Cable Connector:
RG 58, 59, 62 and 6, 6.48mm - 8.23mm

Cord End Terminal (Large AWG):
0.5mm² - 16.0mm²

Open Barrel Terminal 7 D-SUB, V3.5:2.5mm² - 8.0-10.0mm²

Ratchet handle for consistent pressure

'Quick Release' feature

Finished with heat treatment and zinc phosphate surface treatment

Soft grip handles

NEW



KRC07

This set contains Die types A, B, C, D, E, F, and H.
See below and right for full details.

Product Number	Size	Order Code KEN-515
KRC07	7	**-5740K**

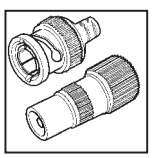
HAND TOOLS

Die Type E



RG Type Coaxial Cabel Connectors
.255"/.213"/.100"/.324"
6.48/5.41/2.54/1.72/8.23mm
RG 58, 59, 62.6.

Used for:
CCTV DTV radio DTS, GRS, TM control systems.
Image transmission speed.
Tester audio line.
Car digital TV receiver.
Satelite TV.
Car navigation.
Automotive GPS devices.
Audio visual equipment.



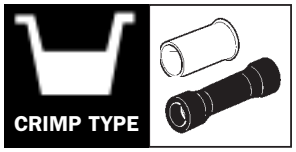
Type	Order Code KEN-515
E	**-5140K**

Die Type F



Cord End Terminal (Large AWG)
AWG 10/8.0/6.0
6.0/10/16mm².

Used for:
Auto.
Machine Wiring.
Electrician Euro Market.



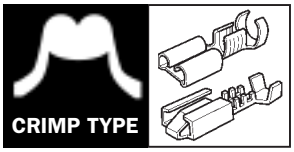
Type	Order Code KEN-515
F	**-5150K**

Die Type H



Open Barrel Terminal 7 & D-Sub V3.5
AWG 14-22/16-14/12-10
2.5/0.5/8.0-10.0mm².

Used for:
Auto.
Computer.
Radio.
Machine Wiring.



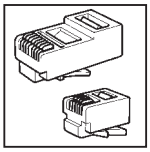
Type	Order Code KEN-515
H	**-5160K**

Die Type G3



8P8C Connector
8P8C/R145 Plugs.

Used for:
Computer.
ADSL.



Type	Order Code KEN-515
G3	**-5170K**

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Ferrule Crimp Tool

Ferrule crimp tool with full cycle ratcheting crimp frame and adjustable crimp pressure. Carbon steel jaws with a chemically blacked finish and PVC handles.

Model TCF 004
Capacity: 0.5, 0.75, 1.0, 1.5, 2.5 and 4mm². AWG 20, 18, 17, 16, 13 and 11.

Model TCF 016
Capacity: 6, 10 and 16mm². AWG 10, 8 and 6.





Model Number	Order Code KEN-515
TCF004	-5200K
TCF016	-5210K
Replacement Jaws (TCF004)	-6200K
Replacement Jaws (TCF016)	-6300K

Insulated Terminal Crimp Tool

Model TCI 006
Insulated terminal crimp tool, with full cycle ratcheting crimp frame and colour coded jaws, with adjustable and preset crimp pressure for accurate crimping. Carbon steel, hardened and tempered jaws with a chemically blacked finish and PVC handles.

Capacity:
Red: 0.5 - 1.5mm², AWG 20 - 16.
Blue: 2.5mm², AWG 14.
Yellow: 4.0 - 6.0mm², AWG 12 - 10.





Model Number	Order Code KEN-515
TCI006	-5220K
Replacement Jaws	-6220K

Coaxial Crimp Tool

Model TCC 008
Coaxial crimp tool with full cycle ratcheting crimp frame and adjustable crimp pressure. Carbon steel jaws with a chemically blacked finish and PVC handles.

Suitable for RG cable: 6, 58, 59 and 62. Hexagonal crimp of 1.72, 2.5, 5.4, 6.48 and 8.22mm.



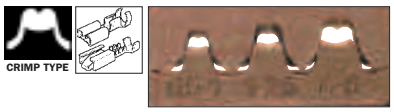


Model Number	Order Code KEN-515
TCC008	-5340K
Replacement Jaws	-6340K

Uninsulated Terminal Crimp Tool

Model TCU 006
Uninsulated terminal crimp tool with full cycle ratcheting crimp frame and adjustable crimp pressure. Carbon steel jaws with a chemically blacked finish and PVC handles.

Tab width: 6.3mm.
Capacity: 0.5 - 1.0, 1.0 - 2.5 and 4.0 - 6.0mm².



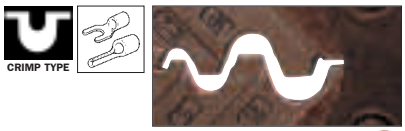


Model Number	Order Code KEN-515
TCU006	-5400K
Replacement Jaws	-6400K

Uninsulated Terminal Crimp Tool

Model TCU 016
Uninsulated terminal crimp tool with full cycle ratcheting crimp frame and adjustable crimp pressure. Carbon steel jaws with a chemically blacked finish and PVC handles.

Capacity: DIN 1 - 2, 6, 10 and 16mm². AWG 14, 10, 8 and 6.





Model Number	Order Code KEN-515
TCU016	-5420K
Replacement Jaws	-6420K

Modular Plug Crimp Tool

Model MCT 008
Modular plug crimping tool complete with wire cutting and stripping facilities.
Manufactured from hardened and tempered carbon steel with chemically blacked finished and tempered jaws with PVC handles.

Capacity: 8P8C/RJ-45, 6P/RJ-12, RJ-11 and 6P2C.





Model Number	Order Code KEN-515
TMCT008	-5460K

Crimp Tool Kit

Model TCK 005
Crimp tool kit with full cycle ratcheting crimp and adjustable crimp pressure frame. Five pairs of interchangeable hardened and tempered carbon steel jaws with a chemically blacked finish for terminals, connectors, ferrules and end sleeves.
Supplied in a robust plastic carry case.



Product Number	Order Code KEN-515
TCK 005	-5500K

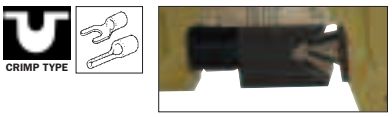
Replacement Jaws To suit Kennedy ratcheting frame crimping tools.

Crimp Type	Order Code KEN-515
Ferrule Terminals 0.5mm² - 4mm²	-6200K
Insulated Terminals 0.5mm² - 6.0mm²	-6220K
Ferrule Terminals 6mm² - 16mm²	-6300K
Uninsulated Terminals 0.5mm² - 6.0mm²	-6400K
Uninsulated Terminals 1.5mm² - 10.0mm²	-6500K

Heavy Duty Crimp Tool

Model TCU 095
Heavy duty crimp tool for uninsulated terminals. Tool steel jaws and manufactured from ductile iron.

Capacity: cable lugs: 10mm² - 95mm². Aluminium AWG to 4/0. Copper 8WG to 250 MCM.





Model Number	Order Code KEN-515
TCU095	-5440K
Replacement Jaws	-6440K

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KENNEDY Cable Tie Gun

Steel jaws grip the cable with trigger action for rapid tightening, tensioning and trimming, ideal for production environments.

Capacity:
2.4 to 4.8mm width.





Capacity (mm)	Order Code KEN-516
2.4 - 4.8	-8400K

Mains Testers

With heavy duty one-piece moulded insulation sheaths covering both blade and transparent plastic handle for extra protection and safety.
Will detect 'live' electricity supply.
Suitable for AC to 125 - 250V. 3mm wide tip.
Conforms to **DIN VDE 0680 part 6:1977-04**.



Blade Length	Cap Type	Weight per 12	Order Code KEN-515
150mm	Plastic	210g	-0500K
190mm	Plastic	400g	-0550K

EDISON Cable Ties

Suitable for securing or retaining cables and objects of various shapes and sizes. Tensile strengths of 8 to 22kg. Heat resistant from 40°C to 85°C. Supplied in pack of 100.



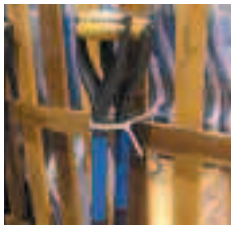






1001 USES IN THE WORKSHOP OFFICE GARDEN and HOME

NEW





Size (mm)	Order Code EDI-515 Black	Natural
2.5 x 100	-0000K	-1000K
2.5 x 160	-0010K	-1010K
2.5 x 200	-0020K	-1020K
3.6 x 140	-0100K	-1100K
3.6 x 200	-0110K	-1110K
3.6 x 300	-0120K	-1120K
3.6 x 370	-0130K	-1130K
4.8 x 120	-0200K	-1200K
4.8 x 200	-0210K	-1210K
4.8 x 300	-0220K	-1220K
4.8 x 370	-0230K	-1230K
4.8 x 430	-0240K	-1240K
7.6 x 200	-0300K	-1300K
7.6 x 300	-0310K	-1310K
7.6 x 370	-0320K	-1320K
7.6 x 450	-0330K	-1330K
9.0 x 530	-0400K	-1400K
9.0 x 780	-0410K	-1410K
12.7 x 580	-0500K	-1500K

Assorted Cable Tie Sets

Contains 100 of each size:
2.5 x 100mm and 160mm,
3.5 x 200mm and 300mm,
4.8 x 200mm and 300mm.



600 PIECES

Colour	Weight	Order Code EDI-515
Black	645g	-3000K
Natural	645g	-3010K

Cable Tie Sets

Contents comprise of one width x two lengths:
2.5mm - 100mm and 160mm,
3.5mm - 200mm and 300mm,
4.8mm - 200mm and 300mm.

Width	Colour	Pk Qty	Order Code EDI-515
2.5mm	Black	300	-3040K
2.5mm	Natural	300	-3050K
3.5mm	Black	400	-3060K
3.5mm	Natural	400	-3070K
4.8mm	Black	500	-3080K
4.8mm	Natural	500	-3090K

KENNEDY Magnetic Cable Guider

An innovative tool for inserting cables through brick walls, cavity walls, studwork etc. Tested by major utilities - saves hours of engineers time. Includes three adaptors for 3.7 to 5.9mm cable diameters. Drill bit not included.



Push through cable guider



Attach to guider and pull back through



NOT FOR USE WITH LIVE CABLES!





Type	Order Code KEN-516
Cable Guider	-9600K
Caps (Pk 6)	-9620K

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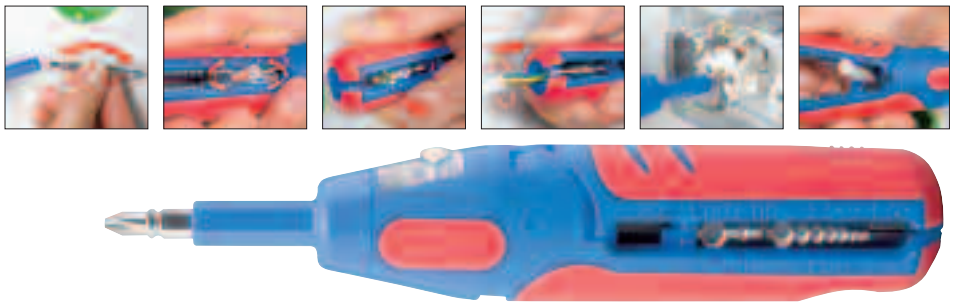
KENNEDY No.500 Cable Stripper/ Screwdriver/Volt Tester

The newly developed Multi-Stripper PLUS, screwdriver, voltage tester, stripper for conductors, round and coaxial cables and cutter in only one tool. **Screwdriver:** two double ended bits: No.1PZ and 8855; x 3.5 slotted No.2PZ and 8855: x 4.0 slotted bit storage inside ergonomic dual material handle. **Voltage tester:** 110 - 250V. **Round cable stripper:** capacity 8 - 13mm dia (eg NYM 3x 1.5mm - 5x 2.5mm). **Built-in side cutter:** for PVC-isolated round cables max. 9mm dia. **Coax stripper:** two or three-level stripping of all common coaxial cables of 4.8 - 7.5mm dia. **Wire stripper:** for all common stranded and solid conductors 0.5mm (20AWG) to 6.0mm (10AWG).



Capacity (mm)	Order Code KEN-516
8.0 - 13.0	-8340K

Multi-Stripper PLUS

Cable stripper for round and continental type cables of 8 - 13mm dia (e.g. NYM 3x 1.5mm¸ up to 5x 2.5mm¸). Flush stripping even in hard-to-reach areas, e.g. ceiling and wall areas, junction and distribution boxes, switch cabinets, etc. The ergonomic tool design provides a sure grip and safe handling. Needs no adjustment of the cutting depth.



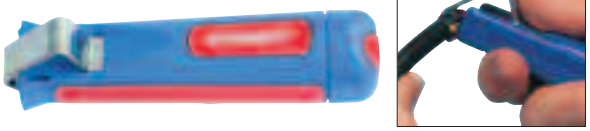
Capacity (mm)	Order Code KEN-516
0.5 - 6.0	-8300K

HAND TOOLS

Cable Strippers

Durable plastic bodies with hardened and ground sharpened steel blades with precise depth of cut adjustment. Spring loaded safety cover, covers the blade when not in use. For standard and solid conductors. Hardened steel blades.

CS16
For stripping of all common round cables of 4 - 28mm. Wire stripper adjusts automatically to diameter of wire to allow quick and accurate stripping. Stripping blades are made from hardened steel.
Overall length: 125mm.



CS27
For stripping of all common round cables of 4 - 28mm. Wire stripper adjusts automatically to diameter of wire to allow quick and accurate stripping. Stripping blades are made from hardened steel.
Overall length: 130mm.



CS28
Complete with hook knife for splitting flat and ribbon cables along its length.
Overall length: 170mm.



Product Number	Capacity (mm²)	Weight each	Order Code KEN-516
CS16	4.0 - 16.0		-7900K
CS27	8.0 - 27.0		-7910K
CS28	4.0 - 28.0		-7920K
Spares to suit CS16, CS27 & CS28		125g	-7950K

Cable Stripping Knife

Steel blade and cushioned handle, used for stripping cable and wire.
Overall length: 150mm.



Length	Order Code KEN-516
150mm	-7500K

Wire Stripper & Cutter

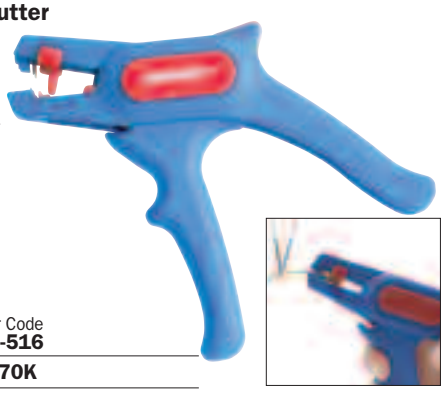
Unique self-adjusting cutting action for rapid repeatable wire stripping. Hardened and tempered ground steel blades housed in durable plastic bodies contoured to fit comfortably into the hand for extended periods of use encountered in electrical assembly industries.

Mini-Duo Wire Stripper & Cutter
Fully insulated wire stripper for all common stranded and solid conductors of 0.5 - 6.0mm². Adjusts automatically to diameter of wire. Blades are made from hardened steel.
Overall length: 155mm.



Capacity (mm²)	Order Code KEN-516
0.5 - 6.0	-7980K

Super Wire Stripper & Cutter
Fully insulated for all stranded and solid conductors from 0.2 to 6mm². Automatically adjusts to the diameter of wire. Reinforced polymide construction.
Overall length: 195mm.



Capacity (mm²)	Order Code KEN-516
0.2 - 6.0	-7970K

Co-axial Cable Cutter

Two preset pairs of blades, one for outer sheathing, one for dielectric. For cable diameter range of 4.8 - 7.5mm².
Also strips flexible cables of 3 x 0.75mm², 10mm² and 16mm².
Overall length: 110mm.



Capacity (mm²)	Order Code KEN-516
4.8 - 7.5	-7960K

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KENNEDY Cable Stripper & Ripper

MK02
For stripping of outer insulation from cables. Spring loaded gripping arm, blade has adjustable cutting depth of up to 3mm. Blade can be turned through 90° by pushing the side button, to cut along the length of cable. Also features a spring loaded ripping blade for insulation removal.

Overall length: 138mm.



Capacity (mm^2)	Order Code KEN-516
4.5 - 28.0	**-8040K**
5 Spare Blades	**-8030K**

Wire Stripper, Cutter & Crimper

Duo Crimp
Combined stripping and crimping tool. Stripping tool adjusts automatically to the diameter of the wire.

Wire diameter range: 0.5 - 6.0mm^2. Two crimping ranges are available 0.5 - 1.5mm^2 and 2.5 - 6.0mm^2.
Complete with side wire cutter.

Overall length: 155mm.



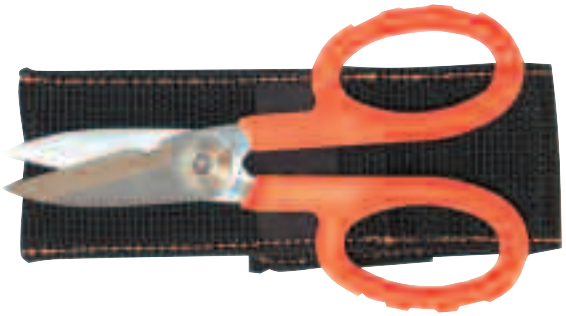


Capacity (mm^2)	Weight each	Order Code KEN-516
0.5 - 6.0	150g	**-8520K**

Electrician's Shears

For use on soft cable up to 22mm^2 diameter, can also be used for stripping, cutting insulation materials, electrical tape and cable ties. Stainless steel blades with hardened edge with vanadium and molybdenum for long lasting edge. HRC58-60 with one cutting edge serrated to reduce slipping and notched blade for tough and large diameter cuts. Tough, lightweight nylon handles.
Supplied with handy clip-on belt pouch.

Cutting length: 45mm (1¾").



Length (mm)	Weight each	Order Code KEN-516
140	150g	**-6400K**

Powerstrip Wire Stripper

Self adjusting. Wire is gripped and stripped in a single action. Also features a wire cutter to allow for trimming. Adjustable slide and lock wire stop for fast accurate setting of strip length.

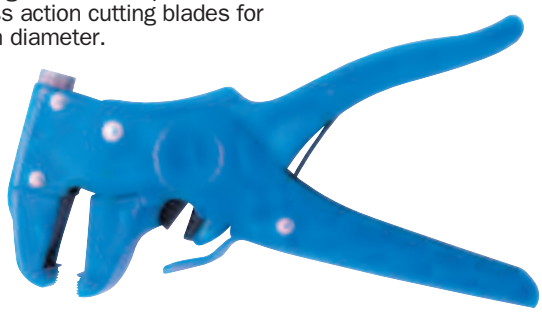


Overall length: 175mm.

Capacity (mm^2)	Order Code KEN-516
1.25 - 6.0	**-8065K**

SENATOR QUALITY TOOLING Automatic Wire Stripper

For stripping single core wire up to 6mm diameter. Also with bypass action cutting blades for wire up to 6mm diameter.

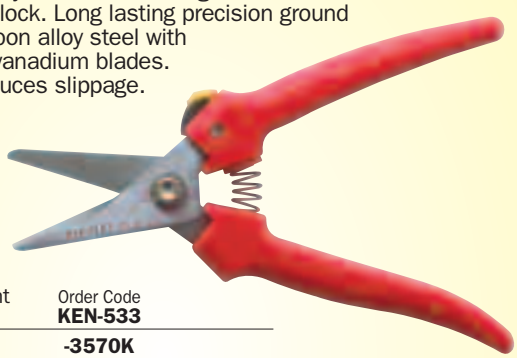


Capacity (mm)	Order Code SEN-516
6.0	**-8240K**

KENNEDY Fibre Optic Cutter

FOC145
Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, cloth, fabric, string and many more. Lightweight and easy to use for both right and left handed users. Easy reach thumb lock. Long lasting precision ground hardened high carbon alloy steel with molybdenum and vanadium blades. Serrated blade reduces slippage.

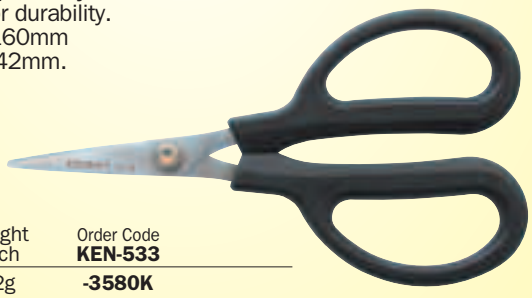
Overall length: 145mm (5").
Cutting length: 32mm (1").



Overall Length	Weight each	Order Code KEN-533
145mm	82g	**-3570K**

Fibre Optic Shears - with Serrated Blade

FOC160
Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, cloth, fabric, string and many more. Lightweight and easy to use for both right and left handed users. Long lasting precision ground hardened high carbon alloy steel with Molybdenum and Vanadium blades. Serrated blade reduces slippage. Adjustable pivot point adjusts the tension between the blades. Extended tang for durability.
Overall length: 160mm
Cutting length: 42mm.



Overall Length	Weight each	Order Code KEN-533
160mm	82g	**-3580K**

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Butane soldering irons can be used anywhere, any time, without having to plug into the wall. They don't have power cables making them ideally suitable for fine work. The run time for the irons varies from 30 to 90 minutes, depending on model and heat setting, but refilling them with butane gas only takes about 20 seconds. They offer more flexibility than traditional soldering irons as you can change the size of the soldering tips, put hot blow air tips for heat-shrink work, put hot knife tips on for cutting plastic, and flame tips for brazing. The temperature can be controlled very easily for each application (580°C to 1,300°C) with the temperature adjustment dial. Butane soldering irons don't use an open flame, unless using the flame tip. There are small catalytic combustion screens built into the other tips, which heat up and glow so that soldering iron won't flame out.

KENNEDY Butane Soldering Tool

Flint type ignition which is built into the cap. Uses standard butane lighter fuel and is simple to refill. Fully adjustable tip temperature control with a safety fuel cut-off when cap is replaced. Textured anti-slip barrel. Supplied with pointed soldering tip. Can be used with double flat, hot air, flame and hot knife, can also be used as a blow torch. Supplied without fuel.

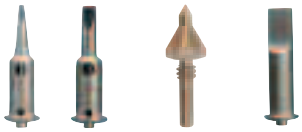


Power rating:	50W
Soldering temperature	375°C
Run time	60 minutes
Overall length with cap:	195mm
Overall length with soldering tip:	180mm.

Product Number	Weight each	Order Code KEN-516
BS050	100g	-9000K

Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy butane soldering tools.



2.4 to 4.8mm Double Flat Tip | Fine Tip | Hot Knife Tip

To Suit BS050 Soldering Iron

Type	Size (mm)	Order Code KEN-516
Double Flat Tip	2.4	-9050K
	4.8	-9040K
Fine Tip		-9060K
Hot Knife Tip		-9070K

Butane Soldering Tool Kit

Supplied in a robust plastic case with inlay.

Contents:
BS050 Butane soldering iron, tip cleaning sponge, stand, four interchangeable tips: 4.8mm and 3.0mm, double flat, hot knife.



Type	Weight each	Order Code KEN-516
6 Piece Soldering Kit		-9020K

SENATOR QUALITY TOOLING Butane Micro Soldering Tool

Cordless and refillable. Uses standard butane lighter fuel. 120W rating. Working temperature range up to 1,300°C. Lightweight, windproof flame, ideal for outdoors. Easily removed nozzle for cleaning or replacement. Can be used for shrinking heat seal plastic tubing. Light duty soldering. Craft projects. Thawing frozen locks. Includes one refillable fuel cartridge.



Weight each	Order Code SEN-516
105g	-2000K

KENNEDY Butane Soldering Tool

PIEZO self ignition. Uses standard butane lighter fuel and is simple to refill. Fully adjustable tip temperature control with a safety fuel cut-off when cap is replaced. Textured anti-slip barrel with built in stand for anti roll. Supplied with pointed soldering tip. Can be used with double flat, hot air, flame and hot knife, can also be used as a blow torch. Supplied without fuel.



Power rating:	50W
Soldering temperature	375°C
Run time	60 minutes
Overall length with cap:	195mm
Overall length with soldering tip:	180mm.

Product Number	Weight each	Order Code KEN-516
BS075	100g	-9100K

Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy butane soldering tools.



2.4 to 4.8mm Double Flat Tip | Hot Air Blower Tip | Hot Knife Tip | Flame Tip

To Suit BS075 Soldering Iron

Type	Size (mm)	Order Code KEN-516
Double Flat Tip	2.4	-9140K
	3.2	-9150K
	4.8	-9160K
Hot Air Tip		-9170K
Flame Tip		-9180K
Hot Knife Tip		-9190K

Butane Soldering Tool Kit

Supplied in a robust plastic case.
Contents: BS075 butane soldering iron, tip cleaning sponge, eight interchangeable tips: 2.4mm single flat, 1, 2.4, 3.2, 4.8mm double flat, hot air blower, hot knife and hot air deflector.



Product Number	Weight each	Order Code KEN-516
75BW - 7 Piece Soldering Kit	280g	-9120K

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SENATOR QUALITY TOOLING Butane Soldering Torch

Flint type ignition which is built into the cap. Uses standard butane lighter fuel and is simple to refill. Fully adjustable tip temperature control. Supplied with pointed soldering tip and a stand with sponge. Supplied without fuel.



Power rating:	30W - 80W
Soldering temperature	1300°C
Run time	45 minutes
Overall length with cap:	235mm
Overall length with soldering tip:	230mm.

Type	Weight each	Order Code SEN-516
Soldering Torch	105g	-2020K

4-In-1 Butane Torch Kit

This excellent soldering kit represents exceptional value for money and contains:
Butane soldering tool complete with 2.4mm soldering tip, hot knife tip, hot air tip and flame tip. Protective cap with pocket clip. Stand and sponge.

Applications:
soldering circuit boards, craft projects, thawing frozen locks, shrinking heat seal plastic tubing and cauterising rope.

The needle and 2.4mm soldering tip must be used in conjunction with the interchangeable tip holder.



Type	Weight each	Order Code SEN-516
4-In-1 Soldering Kit	467g	-2040K

Spares for 4-In-1 Torch Kit

Product Number	Order Code SEN-516
Flame Tip	-2060K
Needle Soldering Tip	-2080K
2.4mm Soldering Tip	-2100K
Hot Blower Tip	-2120K
Hot Knife Tip	-2140K
Interchangeable Tip Holder	-2200K

KENNEDY QUALITY INDUSTRIAL TOOLING Butane Soldering Tool

Piezo self ignition. Uses standard butane lighter fuel and is simple to refill. Fully adjustable tip temperature control with a safety fuel cut-off when cap is replaced. Textured anti-slip barrel with built-in stand for anti roll. Supplied with pointed soldering tip. Can be used with single flat, double flat, hot air, hot air deflector and hot knife, can also be used as a blow torch. Supplied without fuel.

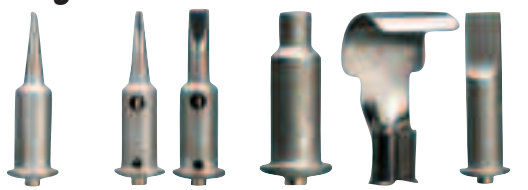


Power rating:	25W - 125W
Soldering temperature	580-1300°C
Run time	60 minutes
Overall length with cap:	235mm
Overall length with soldering tip:	230mm.

Product Number	Weight each	Order Code KEN-516
BS125	145g	-9300K

Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy butane soldering tools.



Single Flat Tip | **1.0 to 4.8mm Double Flat Tip** | **Hot Air Blower Tip** | **Hot Air Deflector** | **Hot Knife Tip**

To Suit BS125 Soldering Iron

Type	Size (mm)	Order Code KEN-516
Single Flat Tip	2.4	-9340K
Double Flat Tip	1.0	-9350K
	2.4	-9360K
	3.2	-9370K
	4.8	-9380K
Hot Air Blower Tip		-9390K
Hot Air Deflector		-9400K
Hot Knife Tip		-9410K

Butane Soldering Tool Kit

BSK125
Butane soldering iron complete with 5 tip attachments, cleaning sponge and safety stand.

Kit contents: 1x butane soldering iron. 5x tip attachments: 2.4mm and 4.8mm double flat, hot knife, hot air blower and hot air deflector. 1x cleaning sponge, 1x safety stand.



Number of Pieces	Weight each	Order Code KEN-516
8	460g	-9320K

HAND TOOLS

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KENNEDY Soldering Irons

Thermo-plastic handles, designed for comfort and a firm safe grip. The mains lead is held by a cable clamping screw which eliminates the strain on electrical connections.
All supplied complete with a double flat nickel plated tip and 3A 3-pin plug with 1.5m power lead as standard.
Manufactured to **BS 3456**. All 230V.

15W Fine Duty For light duty electrical repairs and fine electronics work.



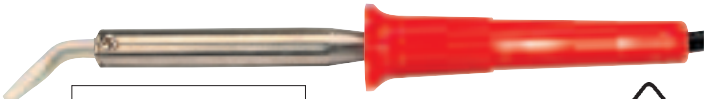
25W General Duty An all-purpose soldering iron for general electrical repairs in the workshop.

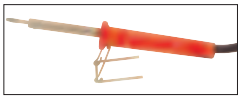


40W Medium Duty Medium duty soldering iron for most general soldering where a little more power is required.



75W Heavy Duty Heavy duty soldering iron for metal repairs such as battery connections and other small metal joining tasks.





Stand included

Power Rating	Tip Size (mm)	Duty	Overall Length	Weight each	Order Code KEN-516
15W	3.0 Straight	Fine	216mm	270g	**-2150K**
25W	3.0 Straight	General	216mm	270g	**-2250K**
40W	3.0 Offset	Medium	235mm	285g	**-2400K**
75W	6.0 Offset	Heavy	275mm	330g	**-2750K**

Replacement Tips - Double Flat



Tip Style	Tip Size	To Suit Iron	Weight per 10	Order Code SPR-567
Flat	3.0mm	15W,25W	-	**-3210K**
Flat	3.0mm	40W	-	**-3220K**
Flat	6.0mm	75W	460g	**-3230K**
45° Offset	6.0mm	75W	460g	**-3270K**
45° Offset	6.0mm	40W	-	**-3260K**

Multi Angle Vice

Aluminium vice with a two position lockable ball joint, cast steel clamp and swivel mechanism. Horizontal/vertical grooved jaw is designed to hold irregular shaped objects. Removable jaw rubber covers for protecting delicate components.
Will clamp to surfaces of 5 to 50mm thickness.

Jaw width: 74mm.
Upright: Rotates through 360° and the vice can swivel between 45° and 135°.
Right angles:
Vice can be rotated through 360°.



Jaw Capacity	Weight each	Order Code KEN-516
60mm	930g	**-2000K**

SENATOR QUALITY TOOLING Soldering Irons

Suitable for workshop and general electrical repair work.
Thermo-plastic handles are designed for comfort and a firm safe grip. The mains cable is held by a cable clamping screw which eliminates the strain on the electrical connections.
Supplied with a double flat nickel plated tip, 1.2m power lead and 3A three pin plug. Manufactured to **BS EN 60335-2-45**.



Wattage	Voltage	Order Code SEN-516
25W	230V	**-2210K**
40W	230V	**-2240K**

Desoldering Pump

Single handed use. Quickly removes molten solder from joints. Smooth action sprung loaded piston. Nozzle easily removed for cleaning. Temperature resistant, can be placed directly onto solder. Anti-static body ensures excellent component protection.



Size (W x H x D) mm	Weight each	Order Code SEN-516
60 x 240 x 25	50g	**-2160K**

KENNEDY Desoldering Tool

Anti-Static Val-U-Vac
With carbon impregnated tip and body to prevent solder adhesion and dispel static. Conforms with **CECC 15**. Removal of molten solder is achieved by the spring loaded piston creating a vacuum in the barrel of the tool. With safety shield and extraction springs located outside of the vacuum chamber and PTFE nozzle to prevent solder stickng.
Nozzle size: 3mm OD x 1.5mm, ID x 20mm.



Overall Size	Weight each	Order Code KEN-516
190 x 20mm	40g	**-8480K**

Professional Desoldering Tool

DSGPRM
Anodised aluminium body and steel plunger for professional use. With extraction spring located outside of the vacuum chamber and PTFE nozzle to prevent solder sticking. With safety shield.
Nozzle size: 3mm OD x 1.5mm, ID x 20mm long.



Size (mm)	Weight each	Order Code KEN-516
190 x 20	60g	**-8500K**
Spare Nozzles (Pk 5)		**-8505K**

Helping Hands

Ideal for precision soldering, wiring and model making applications. With 10 movable joints for universal adjustment. 50mm diameter x 2.5 magnification. Two spring loaded crocodile clips for holding objects up to 8mm thick. Solid cast iron base for stability.
All other metal parts are chrome plated and corrosion-resistant.



Mag.	Mirror Size	Order Code KEN-516
2.5x	50mm Dia.	**-1800K**

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EDISON Auto Range Digital Multimeters

Within the Edison™ range of multimeters you will find direct reading multimeters and non-contact reading multimeters.
Ideal for electrical troubleshooting and straightforward environmental testing in residential and commercial environments.

DAM075

The 2 in 1 digital multimeter is capable for the following tasks: electrical testing using test probes, no contact voltage detection and testing for wiring faults.

Testing temperature: -20 to 1000°C.
AC voltage: 750V.
DC voltage: 1000V.
AC/DC current: 10A.
Resistance: 40MΩ.
Capacitance: 200µF.
Relative measurement function. Diode testing facility. Clear display with LED back light and data hold function. Auto power OFF' and low power indicator.
Digital display count: 3999.
Pack includes: digital multimeter, test probes, temperature sensor probe, DC1.5V x3 AAA batteries (installed), instruction manual

Dimensions (W x D x H):
152 x 45 x 190mm.



Model Number	Weight each	Order Code EDI-516
DAM075	416g	-3100K

MET060

The 5 in 1 digital multimeter is capable of testing the following: electrical testing.

Temperature: -20 to 1000°C.
Humidity: 30 to 90%.
Sound level: 35 to 100db.
Illumination: 4000 to 40000Lux.
AC/DC voltage: 600V.
AC/DC current: 10A.
Resistance: 40MΩ.
Capacitance: 200µF.
Frequency: 1Hz to 200KHz.
Relative measurement function. Diode testing facility. Clear display with LED back light and data hold function.
Auto power OFF' and low power indicator.
Digital display count: 3999.
Pack includes: environment digital multimeter, test probes, clamp-on test leads, tempereture sensor probe, 9V battery (installed), instruction manual.

Dimensions (W x D x H):
165 x 65 x 230mm.



Model Number	Weight each	Order Code EDI-516
MET060	618g	-3460K

MNT070

The 3 in 1 digital multimeter is capable of testing the following: network cable testing, line testing (RJ11), DMM testing.

AC/DC voltage: 1000V.
AC/DC current: 10A.
Resistance: 200MΩ.
Relative measurement function. Diode testing facility. Clear display with LED back light and data hold function.
Pack includes: network digital multimeter, test probes, TJ45 jack (remote), 9V battery (installed), instruction manual.

Dimensions (W x D x H): 165 x 65 x 230mm.



Model Number	Weight each	Order Code EDI-516
MNT070	618g	-3600K

DAM100

Auto Range Hi-Accuracy Digital Multimeter with USB interface, ideal for electrical troubleshooting and straightforward maintenance, initial start-up testing and R and D.

Linear frequency: 5Hz to 200KHz.
Logic frequency: 5Hz to 2MHz.
Duty cycle: 5% to 95%.
Diode testing: 0 to 2.5V.
AC/DC voltage: 1000V.
AC/DC current: 10A.
Resistance: 50MΩ.
Capacitance: 5000µF.
Relative measurement function.
Clear display with LED back light and data hold function auto power 'OFF' and low power indicator.
Digital display count: 50000.
Pack includes: digital multimeter, test probes, clamp-on trat leads, USB interface connection, CD rom 'PC-LINK' software (compatible with Windows 98ME, 2000, NT or XP), 6x 1.5V AAA batteries (installed), instruction manual, protective case with carry strap.
PC-LINK software features: measure graph, measure data record, simulate LCD display, analogue dial plate display, measure max/min display, sampling interva, graph export, measure data save.

Dimensions (W x D x H):
178 x 65 x 255mm.

WITH PC LINK SOFTWARE





Model Number	Weight each	Order Code EDI-516
DAM100	1018g	-3420K

DAM060

Auto Range Digital Multimeter with USB interface, ideal for electrical troubleshooting and straightforward maintenance, initial start-up testing and R and D.

Temperature testing (K Type): -5°C to 1000°C.
AC voltage: 700V.
DC voltage: 1000V.
AC/DC current: 10A.
Resistance: 60MΩ.
Capacitance: 300µF.
Frequency/duty cycle: 1Hz to 1MHz.
Diode testing and buzzer.
Relative measurement function.
Clear display with LED back light and data hold function.
Auto power 'OFF' and low power indicator.
Auto/manual range. Electronic protection system.
Digital display count: 6000.
Pack includes: digital multimeter, test probes, temperature sensor, clamp-on test lead, USB Interface, CD rom 'PC-LINK' software (compatible with Windows 2000, NT or XP), 9V battery (installed), instruction manual.
PC-LINK software features: measure graph, measure data record, simulate LCD display, analogue dial plate display, measure max/min display, sampling interval, graph export, measure data save.

Dimensions (W x D x H):
165 x 65 x 230mm.

WITH PC LINK SOFTWARE





Model Number	Weight each	Order Code EDI-516
DAM060	182g	-3440K

HAND TOOLS

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EDISON Digital Multimeters

DM383
Features include continuity, transistor hFE, reading/peak hold, fused current range, auto power off, overload indication, low battery indication, tilt stand/hanger.

Voltage max: 600V AC, 600V DC.
Current max: 10A DC.
Resistance max: 2MΩ.
Safety rating: Cat II.
Warranty: 1 year.
Supplied with holster.



Model Number	Order Code EDI-516
DM383	-2900K
Replacement Probe	-9030K

DAM668
Removable rubber holster with integral lead holders. Features include continuity, diode, transistor hFE, auto ranging, reading/peak hold, bar graph, fused current range, overload indication, low battery indicator, tilt stand/hanger.

Voltage max: 700V AC, 1000V DC.
Current max: 10A AC/DC.
Resistance max: 32.6MΩ.
Capacitance max: 32.6mF.
Frequency max: 150kHz.
Safety rating:
Cat III 600V,
Cat II 1000V.
Warranty: 1 year.





Model Number	Order Code EDI-516
DAM668	-2700K
Replacement Probe	-9010K

DAM332
Pocket sized with integral lead storage. Features include continuity, diode, reading/peak hold, fused current range, auto power off, overload indication, low battery indication.

Voltage max: 600V AC, 600V DC.
Current max: 400mA AC/DC.
Resistance max: 40MΩ.
Safety rating: Cat II.
Warranty: 1 year.
Supplied with wallet.



Model Number	Order Code EDI-516
DAM332	-2600K

DAM982
Features include continuity, diode, auto ranging, reading/peak hold, back light, auto power off, overload indication, low battery indicator, tilt stand/hanger.

Voltage max:
750V AC, 1000V DC.
Current max: 10A AC/DC.
Resistance max: 40MΩ.
Capacitance max: 20µF.
Frequency max: 10MHz.
Safety rating:
Cat III 600V,
Cat II 1000V.
Warranty: 1 year.



Model Number	Order Code EDI-516
DAM982	-3400K
Replacement Probe	-9020K

DM664
Extra large digits, temperature probe and short lead capacitor adaptor. Features include continuity, diode, transistor hFE, auto power off, overload indication, low battery indicator, tilt stand/hanger.

Voltage max: 700V AC, 1000V DC.
Current max: 10A AC/DC.
Resistance max: 200MΩ.
Capacitance max: 2mF.
Frequency max: 20kHz.
Temp max: -20 to 1000°C.
Safety rating: Cat III 600V, Cat II 1000V.
Warranty:
1 year.



Model Number	Order Code EDI-516
DM664	-3000K
Replacement Probe	-9010K

Non-Contact AC Voltage Detector

Non-contact voltage detector without the need to disconnect the conductor/ appliance. Flashing light and audible indication of AC voltages of 100 to 240V. Quick and accurate detection of cable breaks, blown fuses and distinguish between live, neutral wires in single and three phase supplies.

Voltage sensitivity:
100 to 240V AC.
Frequency: 50/60Hz.
Over voltage category:
Cat III 600V.
Detection distance: <5mm.
Operating temperature:
32 to 122°F (0 to 50°C).
Storage temperature:
-4 to 140°F (-20 to 60°C).
Humidity: <85%RH.
Power: batteries x2, 1.5V (AAA).
(EDI -904- 3040K).
(Not supplied).





Model Number	Weight each	Order Code EDI-516
NCD332	26g	-2000K

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EDISON Auto Range 1000A AC/DC Digital Clamp Meters

Edison™ multimeters are an essential and versatile piece of test equipment. They are used by qualified electricians and mechanics alike to perform various essential tests and measurements on delicate electronic systems, automotive devices, mains appliances, and installations. By operating the multi position switch you can quickly and easily set them to be a voltmeter, an ammeter or an ohmmeter. Within the Edison™ range of multimeters you will find direct reading multimeters and non-contact reading multimeters.

DCM070

Ideal for electrical troubleshooting and testing in commercial environments. The AC/DC digital multimeter is capable of testing for the following: telephone networks, fuse connections.

AC voltage: 750V.
DC voltage: 1000V.
AC/DC current: 1000A.
Resistance: 60MΩ.
Frequency: 100kHz.
Frequency from clamp: 400Hz.
Diode testing facility, continuity buzzer, clear display with LED backlight and data hold function, auto power 'OFF' and low power indicator, auto range facility, four segments bar graph.
Digital display count: 3999.
Conforms to **IEC 1010, CAT II 1000V** and **CAT III 600V**.
Pack includes: digital clamp multimeter, test probes, 3x DC1.5V AAA batteries (installed), instruction manual, protective case with carry handle,
Dimensions (W x D x H):
140 x 58 x 260mm.
Weight: 606g.



Model Number	Order Code EDI-516
DCM070	**-3800K**

DCM070 True RMS

Ideal for electrical trouble-shooting and testing in commercial environments. The AC/DC digital multimeter is capable of testing for the following: telephone networks,fuse connections.

AC voltage: 750V.
DC voltage: 1000V.
AC/DC current: 1000A.
Resistance: 60MΩ.
Frequency: 100kHz.
Frequency from clamp: 400Hz.
Diode testing facility, continuity buzzer, clear display with LED backlight and data hold function, auto power 'OFF' and low power indicator, auto range facility,
four segments bar graph.
Digital display count: 3999.
Conforms to **IEC 1010, CAT II 1000V** and **CAT III 600V**.
Pack includes: digital clamp multimeter, test probes, 3x DC1.5V AAA batteries (installed), instruction manual, protective case with carry handle.
Dimensions (W x D x H):
140 x 58 x 260mm.
Weight: 606g.



Model Number	Order Code EDI-516
DCM070 True RMS	**-3840K**

OJM826 Open Jaw

Large digits, duty cycle function, relative measure.
Features include continuity, diode, auto ranging, reading/peak hold, back light, auto power off, overload indication, low battery indicator, tilt stand/hanger.

Voltage max: 750V AC, 1000V DC.
Current max: 200A AC.
Resistance max: 40MΩ.
Capacitance max: 40µF.
Frequency max: 100kHz.
Safety rating:
Cat III 600V,
Cat II 1000V.
Warranty:
1 year.
Supplied with case.



Model Number	Order Code EDI-516
OJM826	**-3500K**
Replacement Probe	**-9040K**

EETO1 Electrical Tester with LCD

Voltage Range:
12~690V AC/DC
Response Time:
<0.5s at 100% of each nominal voltage

Accuracy (23±5°C): ±(3%+3) or 5V
Response Time: <2s at 90% of each voltage
Peak Current: <3.5mA (at 690V)

High voltage indication
Voltage Range:
100~690V AC

NEW

Continuity test:
Detection Range:
0~1MΩ
Test Current: Approx. 1.5µA (battery 3V, 0Ω)

Standard Category:
IEC 61010-1
GS: CAT III 690V
ETL:CAT IV 600V
Pollution Degree: 2
IP code: IP64



Model Number	Order Code EDI-516
EETO1	**-4700K**

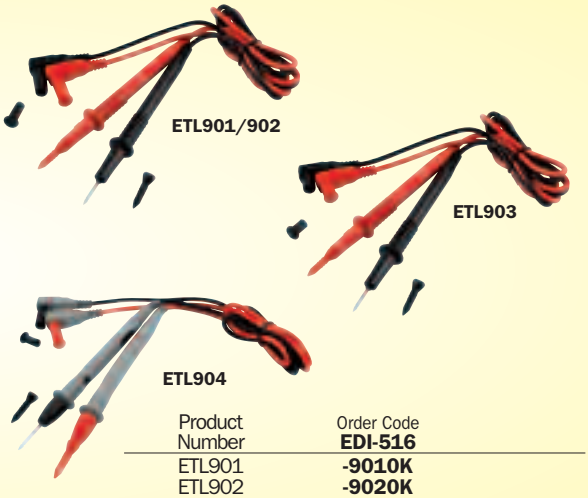
Universal Multimeter Test Leads

1 pair (Red, Black) test leads with right handed shrouded banana plug connectors. CATII 1000V 10A. Non fused.
Suitable for use with any 4mm multimeter/instrument for general purpose measurements.

Product Number	ETL901	ETL902	ETL903	ETL904
Probe Length (on both) Red/Black	145mm	145mm	120mm	160mm
Lead Lengths Pair - Red/Black	800mm	800mm	650mm	800mm
Connectors	Right Angled Shrouded Banana Lug	Right Angled Shrouded Banana Lug	Right Angled Shrouded Banana Short 15mm Lug	Right Angled Shrouded Banana Lug
End Cap Protectors	Plastic	Plastic	Plastic	Plastic
Fuse	No	No	No	No
Use	Any 4mm multimeter/instrument for general purpose measurement			
Order Code	EDI-516-9010K	EDI-516-9020K	EDI-516-9030K	EDI-516-9040K

Edison Multimeter Compatibility

	DM664/DAM668	DAM982	DM383	OJM826
Order Codes	EDI-516-3000K/ EDI-516-2700K	EDI-516-3700K	EDI-516-2900K	EDI-516-9040K



Product Number	Order Code EDI-516
ETL901	**-9010K**
ETL902	**-9020K**
ETL903	**-9030K**
ETL904	**-9040K**

HAND TOOLS

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EDISON Infrared Digital Thermometer with Laser Targeting

IRT537

A high resolution infrared laser thermometer suitable for a wide range of industrial applications, HVAC and automotive diagnostics.
The laser targeting enables accurate readings by guiding the user to the optimum measuring distance, please see user manual for operating instructions. Ideally suited for work in confined spaces and where accuracy is required such as on bearings, circuit boards, air-con units or in engine compartments. Simply aim at the target object, pull the trigger mechanism and read the current surface temperature from the LCD display. If necessary the laser can be activated via the laser button for more accurate targeting.
Temperature is displayed on back-lit LCD display and features hold function for ease of use.

Measurement range: -20°C to 537°C.
Accuracy: -20°C to 50°C ±2.5°C 51°C to 537°C ±(reading x 1% 1°C).
D/S ratio: 12:1.
Emissivity: 0.95.
Celsius/Fahrenheit display selection.
Back light display.
Power source: 9V battery.
Average/maximum/minimum/maximum-minimum mode selection.
Complies with: EN61326:1997/A1:1998/A2:2001/A3:2003.
Dimensions (L x W x H): 162 x 56 x 190mm.



Model Number	Order Code EDI-312
IRT537	-4000K

Airflow, Velocity & Temperature Tester

TVA150

This meter is for measuring airflow and temperature.
It is ideally used to measure the air speed at ventilation outlets and to test temperatures in residential and commercial environments such as offices, storerooms, greenhouses and places where climate conditions can be analysed.
Conforms with **EN61326-6: 2006 and EN61326-2-2: 2006**.

Meter capabilities:
- Measuring wind/airflow in: m/s, km/h, fpm, mph, kts.
- Beaufort scale.
- Temperature in both °C and °F.

Testing ranges: 0.4 ~ 20m/s, 80 ~ 4000fpm, -10 ~ 50°C (14 ~ 122°F).
- 4 digit clear LCD display with optional back light.
- Data hold function.
- Auto power 'OFF' and low power indicator.
- Battery operated - DC1.5V 3x AAA (included).





Model Number	Order Code EDI-312
TVA150	-4020K

Relative Humidity & Temperature Tester

THM150

This multimeter is ideal for temperature, humidity and dew point testing in residential and commercial environments such as offices, storerooms, greenhouses and places where a controlled environment is essential.
Conforms with **EN61326-6: 2006 and EN61326-2-2: 2006**.

Meter capabilities:
- Testing temperature: -10 ~ 50°C (14 to 122°F).
- Testing humidity: 0 ~ 100%RH.
- 4 digit clear LCD display with optional back light.
- Data hold function.
- Auto power 'OFF' and low power indicator.
- Battery operated - DC1.5V 3x AAA (included).





Model Number	Order Code EDI-312
THM150	-4040K

Electronic Tachometer

TNC150

Precise red LED light source (laser beam) together with a reflective strip, non-contact measurements can be made safely up to 40cm (15¾") from the target.
For measuring in rpm and rps.
Conforms with **EN61326-6: 2006 and EN61326-2-2: 2006**.

Testing range: 100 to 30000rpm/1.7 to 500rps.
6 digit clear LCD display with optional back light.
Data hold function.
Auto power 'OFF' and low power indicator.
Battery operated: DC1.5V 3x AAA (included).







Model Number	Order Code EDI-315
TNC150	-4200K

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KENNEDY Edge & Centre Finders

Cylinder Type
For fast accurate work location. Made from tool steel and hardened all over, they can be used on flat surfaces, straight edges, shoulders, grooves, studs, dowels, centre points and scribed lines.

To locate an edge first secure the finder in a collet or chuck, the work table is then traversed to cause the rotating edge finder to make contact with the workpiece. ***(fig 1)***.

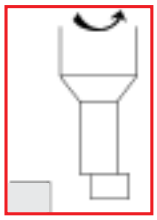


fig 1

Upon touching the workpiece the edge finder's contact point will be forced into running concentrically with the body ***(fig 2)***. Any further movement to 'off-centre' will cause a distinct wobble.


fig 2

At this point, the distance from the work edge to the centre of the finder is equal to half the diameter of the contact point. Datum lines and centre points are located using the combination edge and centre finder ***(fig 3)***.

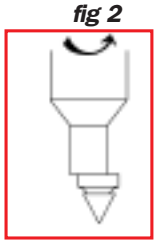


fig 3

This has a cone shaped contact point which is lowered into position barely touching the workpiece at the point you wish to measure.
The finder is made to run concentrically using a steel rule or straight edge ***(fig 4)***.

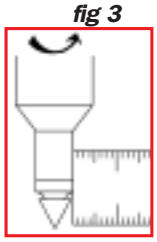


fig 4

Edge Finders



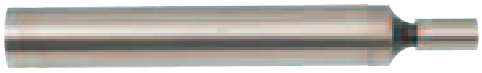
Description	Diameter	Weight each	Order Code KEN-518
Shank Body	0.200" 0.375"	30g	**-1410K**
Shank Body	10mm 10mm	40g	**-1420K**
Shank Body	0.200" 0.500"	40g	**-1430K**

Edge & Centre Finders Combination



Description	Diameter	Weight each	Order Code KEN-518
Shank Body	0.200" 0.500"	50g	**-1440K**
Shank Body	0.200" 0.375"	30g	**-1450K**
Shank Body	5mm 12mm	40g	**-1445K**

Double Edge



Description	Diameter	Weight each	Order Code KEN-518
Shank Body	0.200" 0.500"	60g	**-1460K**

Plain Edge



Description	Diameter	Weight each	Order Code KEN-518
Shank Body	0.500" 0.500"	60g	**-1470K**
Shank Body	12mm 12mm	50g	**-1480K**

HAND TOOLS

Edge & Centre Finder - 5 Piece Set

Consists of a chuck body and four contact arms. Designed to check 'run-out' or concentricity, straightness and alignment. Will indicate the position of a datum point on a component or fixture from the centre line of a machine spindle. Suitable for use on drill presses, lathes, milling machines, borers etc.

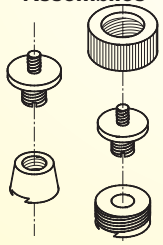
Chuck Body:
Held in the spindle using a suitable drill chuck or collet chuck ***(fig 1).*** The contact arms are retained in position using the knurled collar which lightly clamps the ball joint inside the body. Arms may be exchanged without the need to remove the body from the machine spindle.

Universal Indicator Holder
The detachable end will allow clamping with 2 and 3 piece dovetail clamping assemblies and when removed will fit standard ¼" side clamp. This uses the spindle centre line to align component bores or spigots, check the flatness or squareness of workpieces or fixturing and check run-out of components. The spindle should only be rotated manually to avoid damaging the dial test indicator ***(fig 1).***

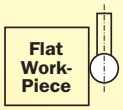
Needle Point
To lightly mark out lines and positions on a component as a guide to subsequent operations, using the machine's dials or digital read-out to position the scriber point *(not illustrated).*


fig 1

Clamping Assemblies

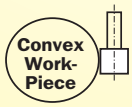

2 Piece 3 Piece

Ball Contact .250"



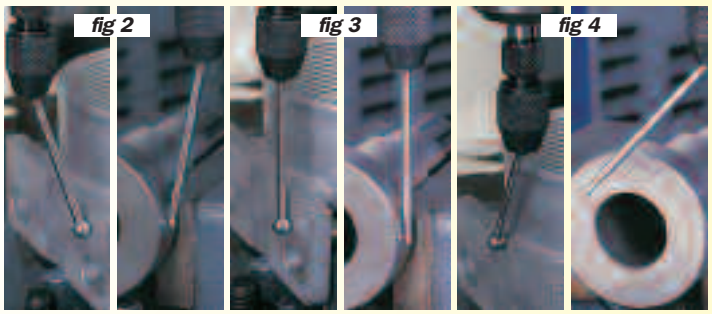
Used to find a datum point .125" ± .0005" away from a flat surface.

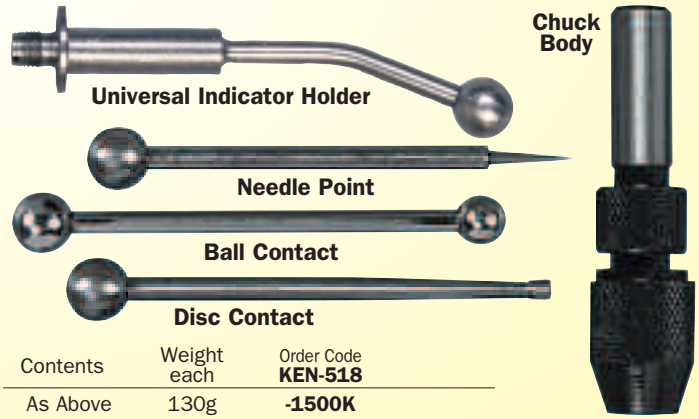
Disc Contact .100"



Used to find a datum point .050" ± .0005" away from a convex surface.

Position the contact arm in line, but slightly away from the surface to be aligned. When finding the surface of a diameter, the 'Disc' must be positioned as near to the centre of that diameter as possible. Run the spindle between 200 and 500 revs/min. The table or spindle is then moved slowly, to bring the contact arm closer to the surface to be aligned. The contact arm will tap lightly against the surface ***(fig 2)*** the movement of the arm will become less and less the nearer the datum point gets to the spindle centre line ***(fig 3).*** When the arm stops spinning in a straight line and starts to 'jump', this indicates the datum point ***(fig 4):***
½ contact dia + Edge = Centre ½ contact dia - Centre = Edge





Contents	Weight each	Order Code KEN-518
As Above	130g	**-1500K**

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KENNEDY Engineer's Rule Round End - Pocket Type

Spring tempered stainless steel blades. 13mm blade width with pocket clip/depth gauge slide. Reverse side is marked with 1/64" to mm conversion table. 12mm blade width. Can also be used as a depth gauge.



Anti Glare Satin Chrome
Rustless

Scale Type	Length	Order Code KEN-518
Metric & Inch	150mm/6"	**-3510K**

SENATOR QUALITY TOOLING Engineer's Rule Round End - Pocket Type

Spring tempered stainless steel blades. 12mm blade width with pocket clip/depth gauge slide. Reverse side is marked with 1/64" to mm conversion table.



Stainless Steel
Rustless

Scale Type	Length	Order Code SEN-518
Metric & Inch	150mm/6"	**-3500K**

KENNEDY Engineer's Steel Rules

EEC CLASS I ACCURACY

Finest quality spring tempered stainless steel. Satin chrome. Anti-glare finish with permanent black figures and graduations. Extremely easy to read. Accuracy: ± 0.2mm full scale. Constant at 20°C. Rustless.

Round End



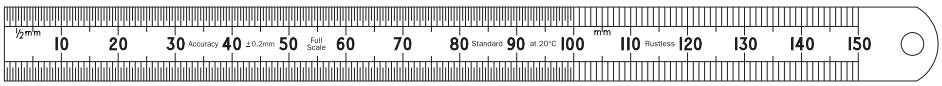
Round End - Flexible Blade

Spring tempered flexible steel blades.
12mm blade width.
With hanging hole.

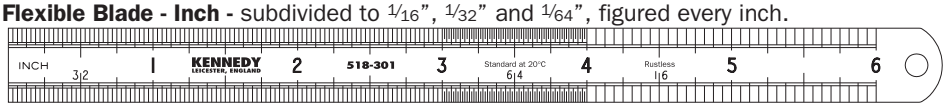
Anti Glare Satin Chrome
Rustless

Scale Type	Length	Order Code KEN-518
Metric & Inch	150mm/6"	**-3010K**
	300mm/12"	**-3210K**
Metric only	150mm	**-3030K**
	300mm	**-3230K**

Flexible Blade - Metric - subdivided to 0.5mm and 1mm, figured every 10mm.



Flexible Blade - Inch - subdivided to 1/16", 1/32" and 1/64", figured every inch.

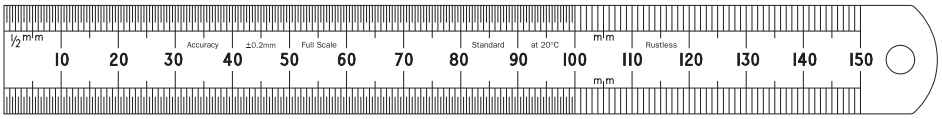


Round End - Rigid Blade

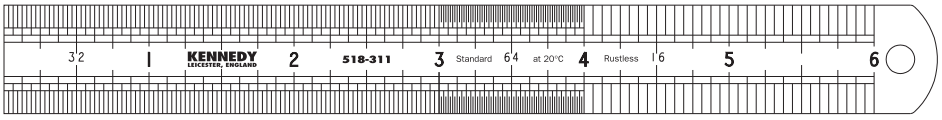
Spring tempered rigid steel blades.
150mm/6" = 19mm blade width.
Other lengths = 25mm blade width.
With hanging hole.

Scale Type	Length	Order Code KEN-518
Metric & Inch	150mm/6"	**-3110K**
	300mm/12"	**-3310K**
	600mm/24"	**-3710K**
	1000mm/39"	**-3910K**
Metric only	150mm	**-3130K**
	300mm	**-3330K**
	600mm	**-3730K**
	1000mm	**-3930K**

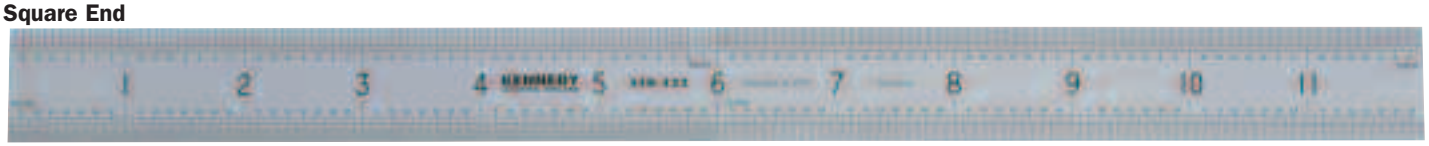
Rigid Blade - Metric - subdivided to 0.5mm and 1mm, figured every 10mm.



Rigid Blade - Inch - subdivided to 1/16", 1/32" and 1/64", figured every inch.



Square End



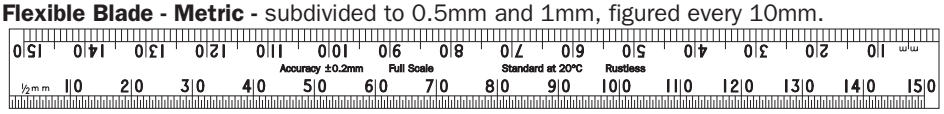
Square End - Flexible Blade

Spring tempered flexible steel blades.
12mm blade width.

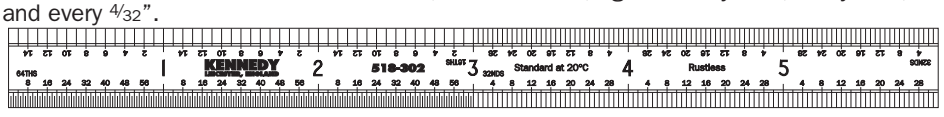
Anti Glare Satin Chrome
Rustless

Scale Type	Length	Order Code KEN-518
Metric & Inch	150mm/6"	**-3020K**

Flexible Blade - Metric - subdivided to 0.5mm and 1mm, figured every 10mm.



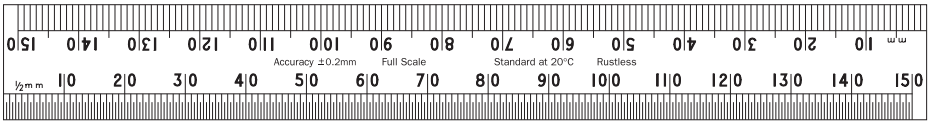
Flexible Blade - Inch - subdivided to 1/16", 1/32" and 1/64", figured every inch, every 8/64", and every 4/32".



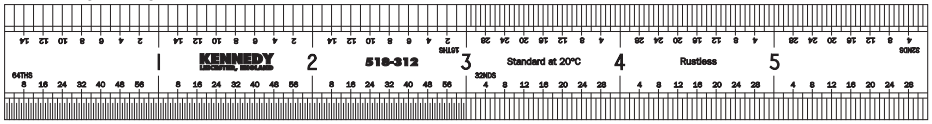
Square End - Rigid Blade

Spring tempered rigid steel blades.
150mm/6" = 19mm blade width.
300mm/12" = 25mm blade width.

Rigid Blade - Metric - subdivided to 0.5mm and 1mm, figured every 10mm.



Rigid Blade - Inch - subdivided to 1/16", 1/32" and 1/64", figured every inch, every every 8/64", and every every 4/32".



Scale Type	Length	Order Code KEN-518
Metric & Inch	150mm/6"	**-3120K**
	300mm/12"	**-3320K**

HAND TOOLS

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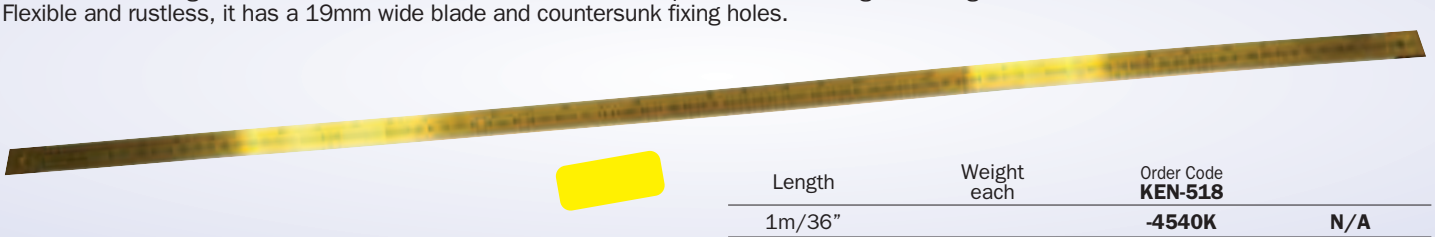
KENNEDY Brass Counter Measure

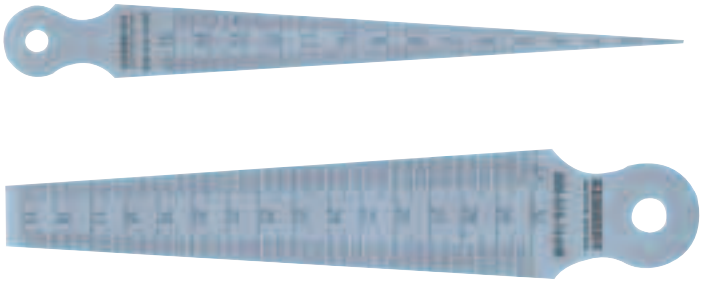
A robust measuring tool manufactured from hard rolled brass with permanent black figures and graduations. Flexible and rustless, it has a 19mm wide blade and countersunk fixing holes.



Length	Weight each	Order Code KEN-518	
1m/36"		-4540K	N/A

Tapered Gauges

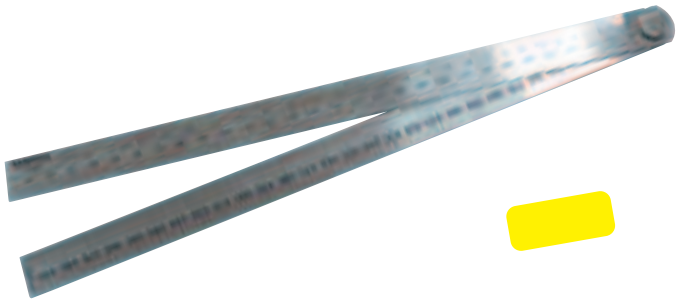
These are called taper gauges only because of their shape - they do not measure tapers. They are ideally suited for the rapid accurate checking of the inside diameters of tubing, slot widths, hole sizes, setting calipers etc. Manufactured from spring tempered steel. 0.1mm increments. Rustless. Constant at 20°C. Satin chrome anti glare finish. Permanent black figures and graduations.



Range (mm)	Weight each	Order Code KEN-518
1 - 15	18g	-1320K
15 - 30	36g	-1340K

Line of Chords Rule

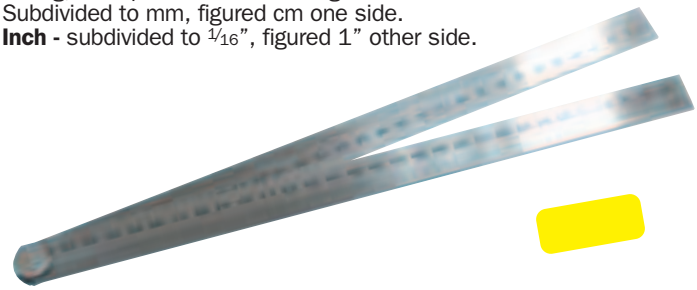
This precision tool has a line of chords scale for use in measuring angles and in determining the circumference of a circle from a diameter measurement. The rule is flexible and rustless with deep etched figures filled with black ink.



Length	Weight each	Order Code KEN-518	
600mm/24"		-2980K	N/A

Folding Steel Rule

This folding steel rule is manufactured from spring tempered stainless steel with a polished finish and it is both flexible and rustlesss. A strong, solid performer for the engineer.
Subdivided to mm, figured cm one side.
Inch - subdivided to 1/16", figured 1" other side.



Length	Weight each	Order Code KEN-518	
600mm/24"		-2950K	N/A

Tweezers

For workshop and home use. Cross pattern types are self closing and open only under applied pressure. High quality finish supplied singly or as a six piece set.

Sharp Nose



Needle Nose





Flat Blade Cross Pattern

Bent Nose



Flat Blade



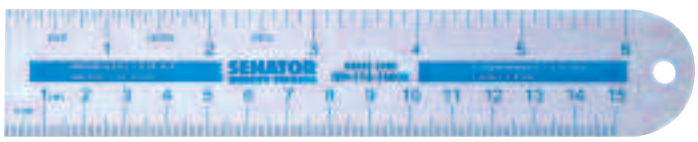


Sharp Nose Cross Pattern

Type	Length (mm)	Weight each	Order Code KEN-518
Sharp Nose	115	20g	-5100K
Needle Nose	115	20g	-5120K
Flat Blade Cross	170	30g	-5140K
Bent Nose	145	30g	-5160K
Flat Blade	120	20g	-5180K
Sharp Nose Cross	115	20g	-5200K
Set of 6 (1 of each above)		134g	-5250K

SENATOR QUALITY TOOLING Carpenter's Rules

Extremely lightweight extrusion made from anodised aluminium, hardened and lacquered. Graduated mm/1/8". Supplied in clear plastic wallets.



Measured Length	Weight each	Order Code SEN-518
150mm/6"	33g	-3600K
300mm/12"	62g	-3620K
600mm/24"	124g	-3640K
1000mm/39"	191g	-3660K

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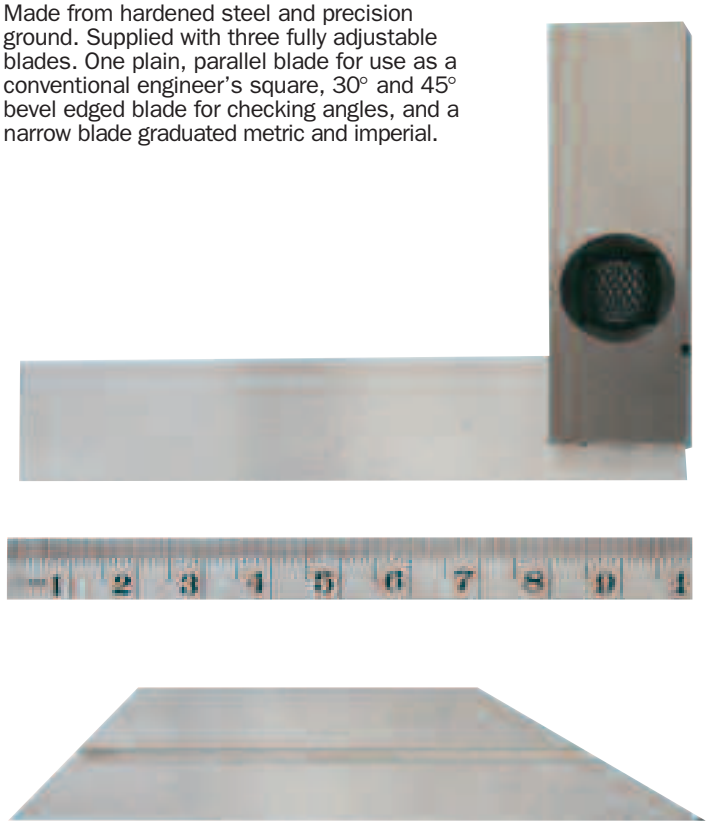
KENNEDY Adjustable Steel Squares

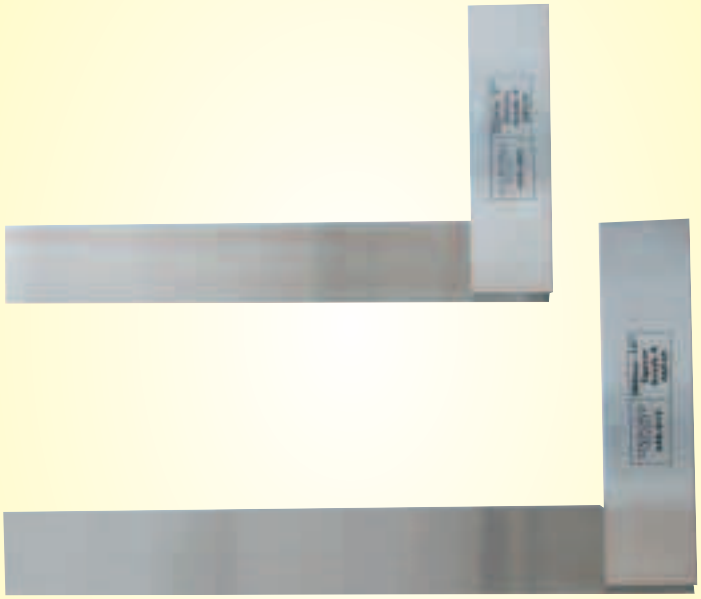
Made from hardened steel and precision ground. Supplied with three fully adjustable blades. One plain, parallel blade for use as a conventional engineer's square, 30° and 45° bevel edged blade for checking angles, and a narrow blade graduated metric and imperial.



Measured Length	Weight each	Order Code KEN-518
100mm/4"	340g	-4150K
150mm/6"	410g	-4160K

OXFORD PRECISION Engineer's Squares

Manufactured from hardened steel that has been precisely ground to produce parallel edges so that the square has an exact right angle on both the inside and outside of the stock and blade, to ensure accuracy. Conforms to **BS939 Grade B.**

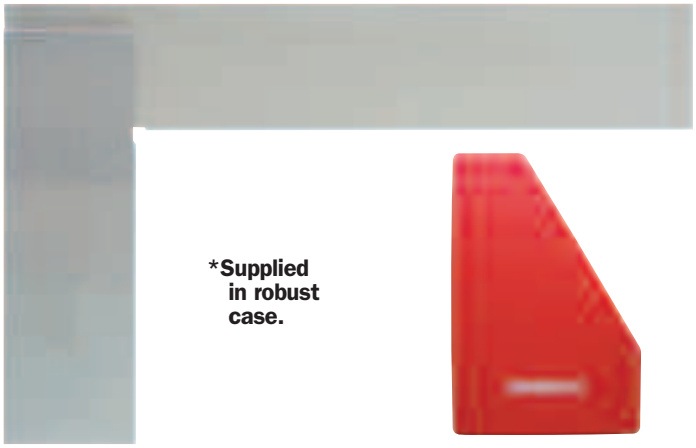


Size (mm)	tol. (mm)	Order Code OXD-340
75 (3")	+/- 0.016	-0030K
100 (4")		-0040K
150 (6")		-0060K
225 (9")		-0090K
300 (12")	+/- 0.024	-0120K

Engineer's Squares

Manufactured from hardened and tempered steel. The edges are ground parallel to give the square an exact right angle on both the inside and outside of the stock and blade.

Squareness tolerance:
75mm, 100mm and 150mm = +/- 0.030mm,
225mm and 300mm = +/- 0.040mm.



***Supplied in robust case.**

Size (mm)	Weight each	Order Code KEN-518
75 (3")*	140g	-4620K
100 (4")*	270g	-4640K
150 (6")*	320g	-4660K
225 (9")	1400g	-4680K
300 (12")	2000g	-4700K

Telescopic Gauges

With knurled satin finish bodies providing positive adjustment of the hardened and radius ground plungers ensuring ccurate measurement of theinternal diameter when used with a micrometer. For smaller diameter measurements use the small hole gauge.

6 PIECES



Range (mm)	Range (inch)	Length (mm)	Order Code KEN-518
8 - 12	5/16"- 1/2"	115	-1174K
12 - 19	1/2"- 3/4"	115	-1175K
19 - 32	3/4"- 1 1/4"	115	-1176K
32 - 54	1 1/4"- 2 1/8"	137	-1177K
54 - 90	2 1/8"- 3 1/2"	137	-1178K
90 -150	3 1/2"- 6"	137	-1179K

Set
Supplied in a size marked PVC storage wallet, with stud fastening. Contains 1 of each size A - F inclusive.

Set range:
8 - 150mm (5/16" - 6").

Weight each	Order Code KEN-518
425g	-1180K

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Firm Joint Calipers

Manufactured from high quality steel, with a polished finish. Consisting of two legs which are held together by a large nut and screw to provide a firm friction joint. Each firm joint caliper has an adjustable ground point which can be retracted for storage and the other leg is angled at the tip. The legs can be reversed, so the tip turns inwards or outwards. Firm joint calipers are used for scribing arcs and parallel lines by using theedge of the workpiece as a guide, and are also used for measuring from the centre point of a component.



Adjustable Point

Size (mm)	Weight each	Order Code KEN-518
100 (4")	60g	**-0530K**
150 (6")	80g	**-0540K**

Firm Joint Caliper

Manufactured from high quality steel, with a polished finish. Consisting of two legs which are held together by a large nut and screw to provide a firm friction joint. This firm joint caliper has an adjustable ground point which can be retracted for storage and the other leg is angled at the tip. The legs can be reversed, so the tip turns inwards or outwards. Firm joint calipers are used for scribing arcs and parallel lines by using the edge of the workpiece as a guide, and are also used for measuring from the centre point of a component.



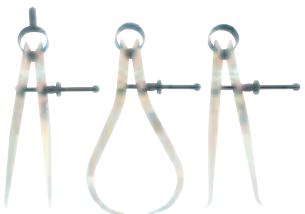
Adjustable Point & Spur

Size (mm)	Weight each	Order Code KEN-518
130 (5")	55g	**-0550K**

Spring Divider & Caliper Set

Contents:
6" spring divider, 6" internal caliper and 6" external caliper.

3 PIECES



Number of Pieces	Weight each	Order Code KEN-518
3	350g	**-0580K**

Spring Dividers

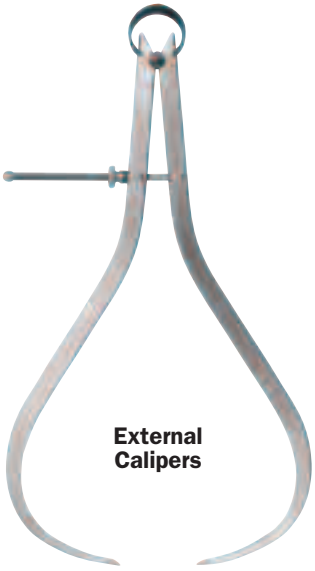
Manufactured from high quality polished steel. Ground finished points, a fine adjusting screw is mounted across the legs for setting the distance between the two points. A circular spring bow joins the legs, with a knurled extension attached for use when pivoting the dividers. Dividers are used for scribing arcs and circles, alight centre punch mark on the work keeps the pivot leg in the centre while marking.



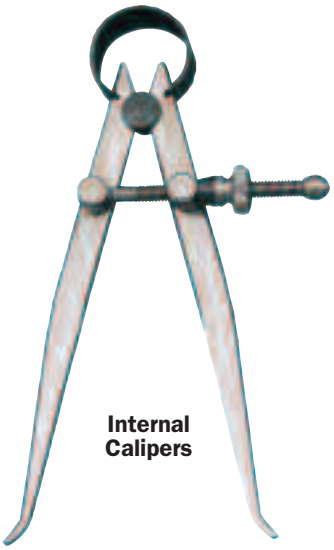
Capacity (mm)	Weight each	Order Code KEN-518
75 (3")	50g	**-0030K**
100 (4")	60g	**-0040K**
150 (6")	95g	**-0060K**
200 (8")	115g	**-0080K**
250 (10")	180g	**-0100K**
300 (12")	200g	**-0120K**

Internal & External Spring Calipers

Manufactured from high quality polished steel with ground finished points. A circular spring bow joins the legs and a fine adjusting screw is mounted across the legs and is used for setting the distance between the two points.



External Calipers



Internal Calipers

Capacity (mm)	Weight each	Order Code KEN-518
Internal Calipers		
75 (3")	50g	**-0230K**
100 (4")	50g	**-0240K**
150 (6")	90g	**-0260K**
200 (8")	110g	**-0280K**
255 (10")	170g	**-0300K**
305 (12")	195g	**-0320K**
External Calipers		
75 (3")	50g	**-0430K**
100 (4")	50g	**-0440K**
150 (6")	120g	**-0460K**
200 (8")	120g	**-0480K**
255 (10")	190g	**-0500K**
305 (12")	225g	**-0520K**

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KENNEDY QUALITY INDUSTRIAL TOOLING

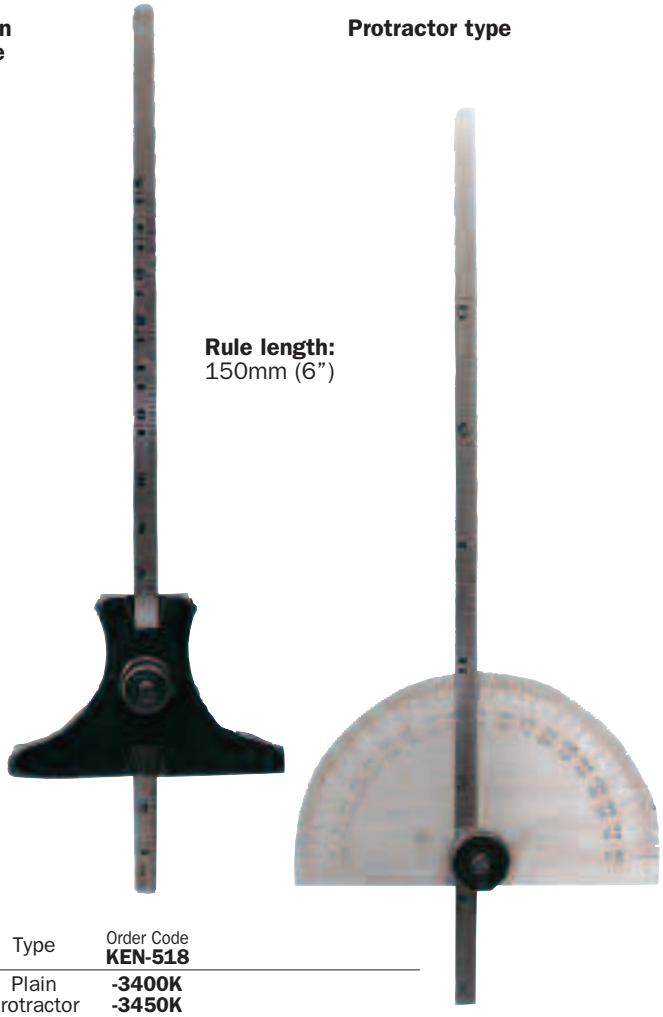
Depth & Angle Gauges

Plain Type Depth Gauge
Designed for measuring flat based recesses. Consisting of a precision ground steel rule and body which are positioned at 90° to each other. The body has precision ground locating faces, with a knurled adjusting/ securing nut.

Protractor Type Depth & Angle Gauge
Ground steel with graduations from 0° - 180° in both directions for fast and accurate measurements. When the rule is positioned to 90° on the protractor it then provides accurate measurements of depth.

Plain type

Protractor type



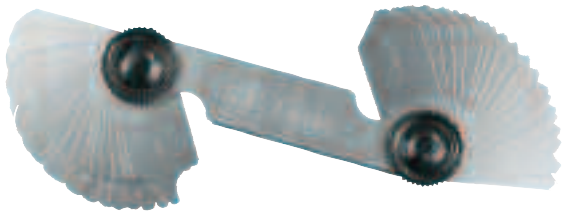
Rule length:
150mm (6")

Type	Order Code KEN-518
Plain	-3400K
Protractor	-3450K

Radius Gauges

Manufactured from hardened and polished steel, the blades are precision milled for optimum accuracy when measuring internal and external radii. Enclosed in a steel case.

Size range:
34 Blade Metric: 1.0 to 3.0 x .25 and 3.5 to 7.0 x .5
32 Blade Metric: 7.5 to 15.0 x .5
32 Blade Inch: 17/64" to 1/2" x 1/64"
30 Blade Metric: 15.5 to 20.0 x .5 and 21.0 to 25.0 x 1
30 Blade Inch: 1/32" to 1/4" x 1/64".



No. of Blades	Weight each	Order Code KEN-518	
34M	70g	-0820K	
32M	80g	-0850K	
32I	120g	-0940K	N/A
30M	95g	-0890K	
30I	70g	-0920K	N/A

Screw Cutting Gauge

Manufactured from hardened and polished steel to check BA, Whitworth and BSF, Acme and American Screw Threads.

Angles: 60° American and Metric, 55° Whit and BSF, 47½° BA and 14½° Acme.

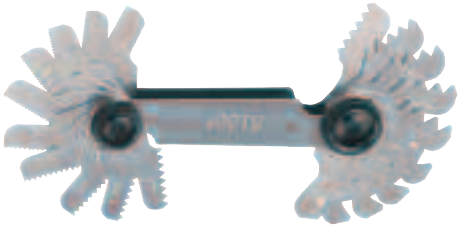


Type	Order Code KEN-518
Screw Gauge	-0800K

Screw Pitch Gauges

Ideal for accurately measuring internal and external thread forms. Manufactured from hardened and polished steel, the blades are precision milled for optimum accuracy. Enclosed in a steel case.

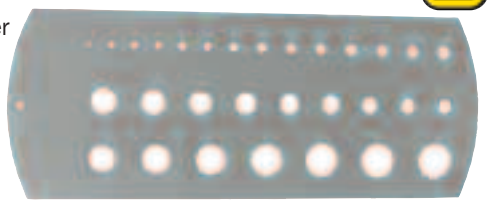
Range of sizes:
Whitworth - 4 - 62 TPI;
Metric - 0.75 - 6mm;
American - 4 - 42 TPI.



Type	No. of Blades	Order Code KEN-518	
55° Whit.	28	-1000K	N/A
60° Metric	20	-1010K	
60° USA	30	-1070K	N/A

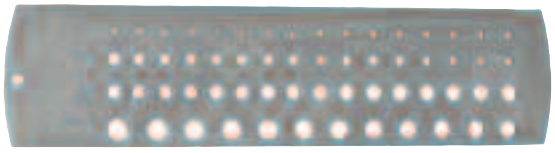
Drill Gauges

Manufactured from hardened steel with a satin finish. An ideal way to quickly measure the diameter of drills and steel wire.



Range of sizes	Order Code KEN-518	
1.5 - 12.5mm	-1130K	
1/16" - 1/2"	-1140K	N/A

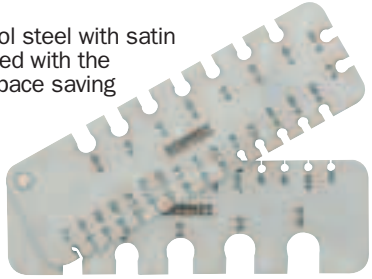
1 - 60 Gauge
Measures drill sizes Nos 1 - 60. Holes are marked with size and decimal equivalent of drill.



Range of sizes	Order Code KEN-518	
No. 1 - 60	-1100K	N/A

Standard Wire Gauges

Manufactured from high grade tool steel with satin brushed finish. Each slot is marked with the nominal size. Two part pivoting space saving design.



Range of sizes	Order Code KEN-518	
1 - 36SWG	-1160K	N/A
0.2 - 10.0mm	-1165K	

HAND TOOLS

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KENNEDY Feeler Gauges

Hardened and polished taper blades, enclosed in a steel case. Blades are clearly marked for easy identification.

Metric: Manufactured to **BS 957: 2008 Part 1** (Metric).
Range:
10 Blade:
.05 - .80mm.
13 and 20 Blade:
.05 - 1mm.



Number of Blades	Weight each	Order Code KEN-518
10	55g	-0710K
13	70g	-0740K
20	100g	-0780K

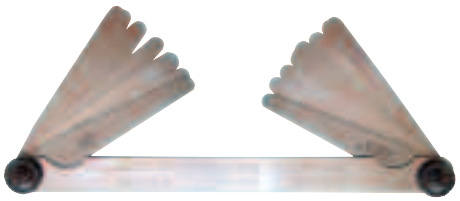
Inch: Manufactured to **BS 957: 2008 Part 1**. 4" Blade length.
Range:
10, 18 and 26 Blade:
.0015" - .025".



Number of Blades	Weight (mm)	Order Code KEN-518	
10	40g	-0610K	N/A
18	65g	-0650K	N/A
26	90g	-0690K	N/A

Double Ended Feeler Gauge

Hardened and polished taper blades enclosed in a steel case. Blades are clearly marked.
Metric & Inch: To **BS957: 2008 Part 1** (Inch) and **BS957: 2008 Part 1** (Metric). 75mm/6" blade length.
Range: 18 Blade: 0.05" - 0.025".



Number of Blades	Weight (mm)	Order Code KEN-518	
18	60g	-0790K	N/A

SENATOR QUALITY TOOLING Double Ended Feeler Gauge

Hardened and polished. Blade etched with size. Manufactured to **BS957: 2008 Part 1** (Inch) and **BS957:1969 Part 1** (Metric).
Blade length: 75mm.

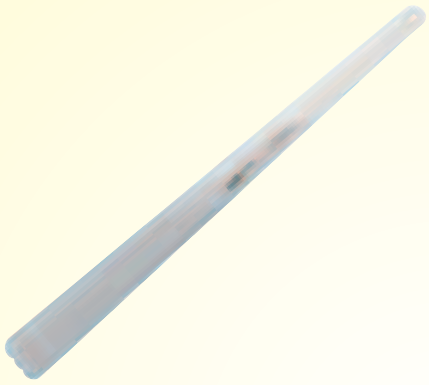
No.75 18 Blade:
Metric range: 0.05 - 0.5mm.
Inch range: 0.0015" - 0.025".



Number of Blades	Weight each	Order Code SEN-518	
18	60g	-5790K	N/A

Feeler Stock Strip

Inch sizes are 12" long, ½" wide. Millimetre sizes are furnished in 300mm lengths, 12·7mm wide. Rounded ends. Each piece marked with thickness and with convenient 3/16" (5mm) hole for hanging.



Thickness (mm)	Weight per 10	Order Code KEN-519	
12.7mm x 300mm			
0·03	15g	-1030K	
0·04	15g	-1040K	
0·05	15g	-1050K	
0·06	20g	-1060K	
0·08	25g	-1080K	
0·10	30g	-1100K	
0·15	45g	-1150K	
0·20	60g	-1200K	
0·25	75g	-1250K	
0·30	80g	-1300K	
0·40	120g	-1400K	
0·50	150g	-1500K	
½" x 12"			
0·0010"	60g	-0020K	N/A
0·0015"	20g	-0030K	N/A
0·0020"	20g	-0040K	N/A
0·0025"	20g	-0050K	N/A
0·0030"	30g	-0060K	N/A
0·0040"	40g	-0080K	N/A
0·0050"	40g	-0100K	N/A
0·0060"	40g	-0120K	N/A
0·0070"	60g	-0140K	N/A
0·0080"	70g	-0160K	N/A
0·0090"	70g	-0180K	N/A
0·0100"	80g	-0200K	N/A
0·0120"	90g	-0240K	N/A
0·0150"	110g	-0300K	N/A
0·0200"	150g	-0400K	N/A
0·0250"	200g	-0500K	N/A

Feeler Stock Coil

Also useful for shimming in fixture and die work. Supplied in a compact, sturdy plastic rewindable dispenser case. Rewind feature, minimises accidental damage. Made of the finest tempered steel, marked every 6" or 150mm with a line, thickness in thousandths of an inch or in hundredths of a mm.

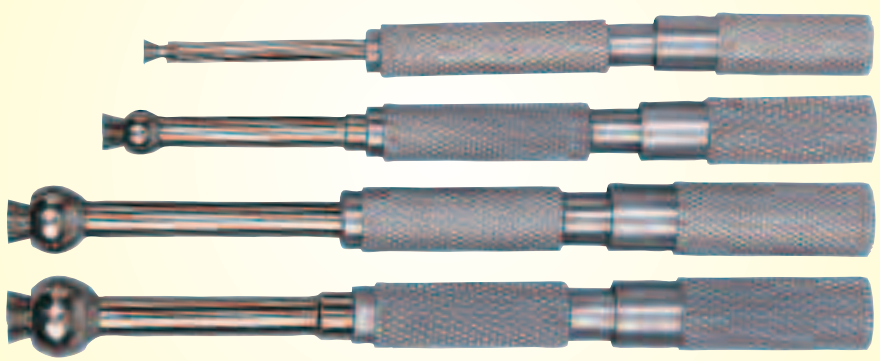


Thickness (mm)	Weight each	Order Code KEN-519	
12.7mm x 6m			
0·03	60g	-3030K	
0·04	70g	-3040K	
0·05	75g	-3050K	
0·10	110g	-3100K	
0·20	230g	-3200K	
0·50	390g	-3500K	
½" x 25ft			
0·0010"	100g	-2020K	N/A
0·0015"	60g	-2030K	N/A
0·0020"	70g	-2040K	N/A
0·0030"	90g	-2060K	N/A
0·0040"	110g	-2080K	N/A
0·0050"	135g	-2100K	N/A
0·0060"	150g	-2120K	N/A
0·0100"	220g	-2200K	N/A
0·0150"	360g	-2300K	N/A
½" x 20ft			
0·0200"	430g	-2400K	N/A
0·0250"	500g	-2500K	N/A

Small Hole Gauge Set

Range 3mm (⅛") to 13mm (½")
The knurled handle allows fine adjustment of the gauge within the workpiece.
Use in conjunction with a micrometer to accurately measure internal dimensions.

Contents: 90, 99, 110 and 110mm overall length.



4 PIECES

Number of Pieces	Order Code KEN-518
4	-1150K

HAND TOOLS

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KENNEDY Automatic Centre Punches

Light Duty
Delivers a punch when head is depressed. Chrome vanadium tip with rubber sheathed steel body.



Length (mm)	Impact Weight (kg)	Order Code KEN-518
140	1.5 - 5.0	-1750K
Spare Point		-1800K

Standard Duty
Strength of punch and depth of depression is adjustable by turning the knurled head. Delivers a punch between 2.25 to 13.5kg (5 to 30lb).



Length (mm)	Impact Weight (kg)	Order Code KEN-518
120	2.25 - 13.5	-1710K

Heavy Duty
Strength of punch and depth of depression is adjustable by turning the knurled head. Delivers a punch between 6.3 to 22.5kg (14 to 50lb).



Length (mm)	Impact Weight (kg)	Order Code KEN-518
149	6.30 - 22.5	-1720K

Square Head Centre Punches

Non-roll. Manufactured from hardened and tempered steel with a knurled body for positive grip. Precision ground 60° point for accurate marking of workpiece. Conform to **BS 3066**.



*Round headed.

Point Diameter (mm)	Order Code KEN-518
100mm (4") Overall Length	
3.2 (1/8")	-2050K
4.0 (5/32")	-2060K
4.8 (3/16")	-2070K
6.3 (1/4")	-2090K
125mm (5") Overall Length	
6.3 (1/4")	-2110K
9.5 (3/8")*	-2120K

Set
Supplied in plastic wallet.
Contents: 1x 3.2, 4, 4.8 and 6.4 x 100mm.

Number of Pieces	Order Code KEN-518
4	-2100K

Nail Punches

Cupped and bevelled precision ground points provide accurate positioning over the nail head for efficient depression. Manufactured from hardened and tempered steel, with a knurled body for extra grip. Conform to **BS 3066**. (Hardness: heads 42 HRC. Max: points 52 - 58 HRC).

Overall length: 100mm (4").



Point Diameter (mm)	Order Code KEN-518
1.6 (1/16")	-2220K
2.4 (3/32")	-2230K
3.2 (1/8")	-2250K
4.0 (5/32")	-2270K

Set
Supplied in plastic wallet.
Contents: 1.6, 2.4, 3.2 and 4mm.

Number of Pieces	Order Code KEN-518
4	-2300K

Standard Length Inserted Pin Punches

Manufactured from chrome vanadium steel. Used for punching out pins and dowels.



Size (mm)	Overall Length (mm)	Order Code KEN-518
2	115	-2412K
3	125	-2413K
4	150	-2414K
5	165	-2415K
6	180	-2416K
8	200	-2418K

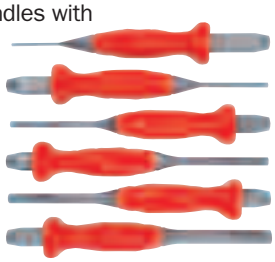
Set
Supplied in plastic wallet.
Contents: 2, 3, 4, 5, 6 and 8mm.

Number of Pieces	Order Code KEN-518
6	-2420K

Centre Punches

Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Made from chrome vanadium steel with high strength octagonal shanks and featuring cushioned grip handles with shock absorbing air pockets.
Overall length: 150mm (6").

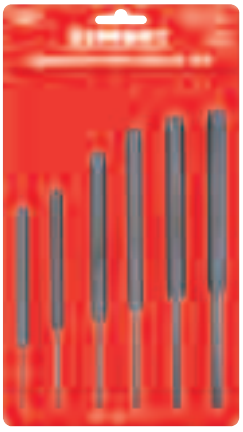
NEW



Point Dia. (mm)	Order Code KEN-518	Offer
2.0	-2332K	
3.0	-2333K	
4.0	-2334K	
5.0	-2335K	
6.0	-2336K	
8.0	-2337K	
Set of 6 pieces as above	-2331K	

Extra Length Inserted Pin Punches

Manufactured from chrome vanadium steel. Used for punching out pins and dowels.



Size (mm)	Overall Length (mm)	Order Code KEN-518
2	143	-2422K
3	155	-2423K
4	185	-2424K
5	202	-2425K
6	209	-2426K
8	219	-2428K
10	230	-2430K

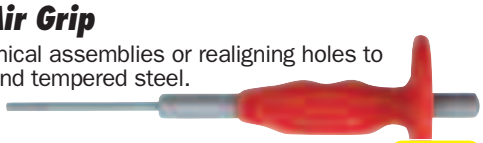
Set
Supplied in plastic wallet.
Contents: 2, 3, 4, 5, 6 and 8mm.

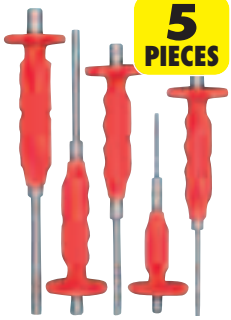
Number of Pieces	Order Code KEN-518
6	-2435K

Long Parallel Pin Punches with Air Grip

Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Manufactured from hardened and tempered steel.

Fitted with an air grip handle that absorbs vibration as well as deflecting wayward hammer blows.





Point Diameter (mm)	Overall Length (mm)	Weight each	Order Code KEN-518
3	149	53g	-2323K
4	184	97g	-2324K
5	200	110g	-2325K
6	200	117g	-2326K
8	227	180g	-2328K

Long Parallel Punch Set

Number of Pieces	Contents	Weight each	Order Code KEN-518
5	3, 4, 5, 6 & 8mm	557g	-2330K

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KENNEDY Parallel Pin Punches

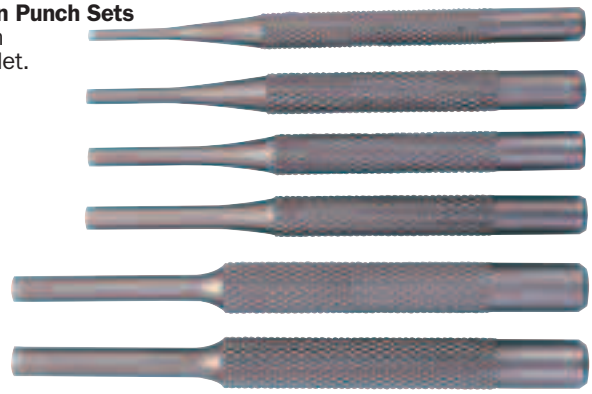
Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Manufactured from hardened and tempered steel. With a knurled body for extra grip.
Conform to **BS 3066**.



Point Diameter (mm)	Weight each	Order Code KEN-518
100mm (4") Overall Length		
1.9 (5/64")	30g	**-2125K**
2.4 (3/32")	30g	**-2130K**
3.2 (1/8")	30g	**-2150K**
3.4 (9/64")	30g	**-2155K**
4.0 (5/32")	30g	**-2160K**
4.8 (3/16")	40g	**-2170K**
5.5 (7/32")	30g	**-2180K**
6.3 (1/4")	40g	**-2190K**
130mm (5") Overall Length		
7.8 (5/16")	150g	**-2192K**
8.8 (11/32")	175g	**-2196K**
150mm (6") Overall Length		
4.0 (5/32")	60g	**-2350K**
4.8 (3/16")	70g	**-2360K**
5.5 (7/32")	175g	**-2370K**
6.3 (1/4")	280g	**-2380K**

Parallel Pin Punch Sets

Supplied in plastic wallet.



Number of Pieces	Contents (mm)	Weight each	Order Code KEN-518
100mm (4") Overall Length			
6	2.4, 3.2, 4.0, 4.8, 5.5 & 6.4	280g	**-2200K**
150mm (6") Overall Length			
4	4.0, 4.8, 5.5 & 6.4	585g	**-2400K**

Taper Punches

Manufactured from chrome vanadium steel.
Used for aligning holes in jigs and fixtures etc.



Point Diameter (mm)	Overall Length (mm)	Weight each	Order Code KEN-518
3	210	115g	**-1533K**
4	215	160g	**-1534K**
5	225	180g	**-1535K**
6	240	195g	**-1536K**
8	270	380g	**-1538K**
10	355	520g	**-1540K**
12	355	540g	**-1542K**

Taper Punch Set

Contents: 1x 3, 4, 5, and 6mm.

4 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-518
4	3, 4, 5 & 6mm	683g	**-1550K**

Straight Shank Hollow Punches

Manufactured from hardened carbon steel.
Through body ejection of the punched material makes them ideal for punching clean edged holes in leather, wood, plastics, card and paper.



Cut Diameter (mm)	Overall Length	Order Code KEN-518
5 (3/16")	100mm	**-1580K**
6 (1/4")	100mm	**-1581K**
8 (5/16")	105mm	**-1582K**
10 (3/8")	117mm	**-1583K**
11 (7/16")	117mm	**-1584K**
12 (1/2")	115mm	**-1585K**
14 (9/16")	115mm	**-1586K**
16 (5/8")	115mm	**-1587K**
17 (11/16")	115mm	**-1588K**
19 (3/4")	118mm	**-1589K**
21 (13/16")	118mm	**-1590K**
22 (7/8")	118mm	**-1591K**
24 (15/16")	121mm	**-1592K**
25 (1")	121mm	**-1593K**

Hollow Punch Sets

Supplied in hardwearing PVC pocket wallets with tie fastening.

6 PIECES



Number of Pieces	Contents	Order Code KEN-518
6	5mm (3/16") 6mm (1/4") 8mm (5/16") 10mm (3/8") 11mm (7/16") 12mm (1/2")	**-1600K**
6	6mm (1/4") 8mm (5/16") 10mm (3/8") 12mm (1/2") 16mm (5/8") 19mm (3/4")	**-1650K**

Reduced Shank Wad Punches

For a variety of soft materials. Can be used for cutting holes and producing clean edged discs from the material being cut.



Cut Diameter (mm)	Overall Length	Order Code KEN-518
29 (1 1/8")	175mm	**-1594K**
32 (1 1/4")	175mm	**-1595K**
35 (1 3/8")	205mm	**-1596K**
38 (1 1/2")	205mm	**-1597K**
44 (1 3/4")	210mm	**-1598K**
51 (2")	210mm	**-1599K**

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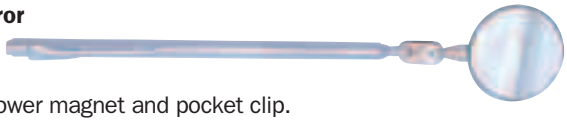
KENNEDY QUALITY INDUSTRIAL TOOLING

Telescopic Shaft Inspection Mirrors

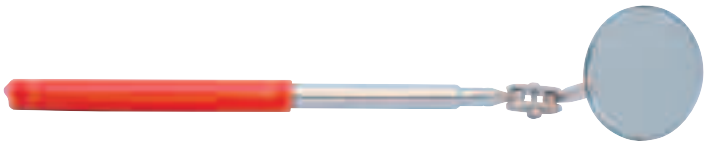
Ball and socket universally positional joint, holds the high grade distortion free mirror at any angle.
Chrome plated high polish finish telescopic shafts.

Circular Mirror



*With high power magnet and pocket clip.

Mirror Diameter	Length Closed/Open	Weight each	Order Code KEN-518
30mm*	180/480mm	41g	**-5380K**



Mirror Diameter	Length Closed/Open	Weight each	Order Code KEN-518
50mm	280/420mm	100g	**-5420K**

Rectangular Mirror

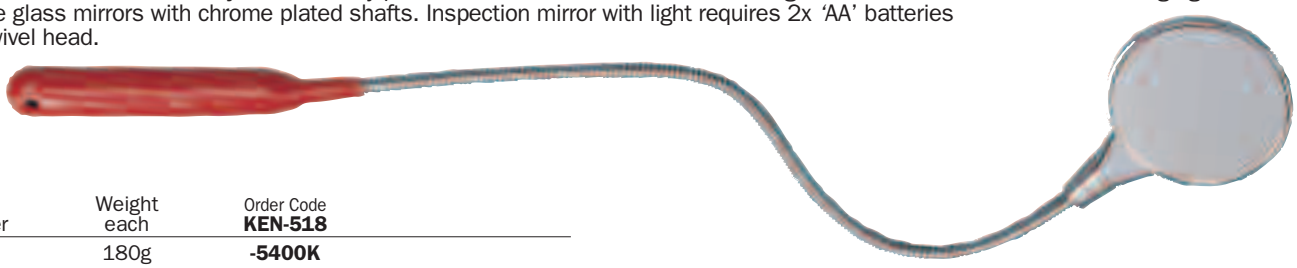


Mirror Diameter	Length Closed/Open	Weight each	Order Code KEN-518
90 x 50mm	370/550mm	127g	**-5460K**

Inspection Mirrors

With flexible shafts which can be adjusted into any position. Available as standard or with light attachment. Both models have high grade distortion-free glass mirrors with chrome plated shafts. Inspection mirror with light requires 2x 'AA' batteries and has a swivel head.

Standard



Mirror Diameter	Weight each	Order Code KEN-518
50mm	180g	**-5400K**

With Light Attachment

Flexible shafts which can be adjusted into any position.



Mirror Diameter	Weight each	Order Code KEN-518
50 x 25mm	220g	**-5500K**

Spare Bulb

Description	Weight each	Order Code KEN-567
Spare bulb		**-6400K**

Hand Magnifiers

Plastic lightweight magnifiers. Used to provide a clear crisp enlarged image.
Used for inspection of finished parts, enlarging small text and pictures etc.

UP TO 100mm DIAMETER



Diameter	Magnification	Order Code KEN-518
50mm	5x	**-6040K**
75mm	4x	**-6060K**
100mm	2x	**-6080K**

Eye Loupes

Manufactured from shock resistant plastic. Shatterproof lens. Ideal for jewellers, watchmakers, electronics and model makers.



Clear

Magnification Factor	Focal Length (mm)	Weight each	Order Code KEN-518
10.0x	31 (1¼")	20g	**-6000K**

Solid

Magnification Factor	Focal Length (mm)	Weight each	Order Code KEN-518
10.0x	31 (1¼")	20g	**-5290K**
4.0x	63 (2½")	14g	**-5300K**
3.5x	75 (3")	10g	**-5310K**
3.0x	90 (3½")	10g	**-5320K**

Inspection Mirror

Sheet glass mirror recessed into lightweight aluminium housing. Gives clear visibility in concealed areas.

Size: 100 x 100mm.

100mm SQUARE



Size	Order Code KEN-518
100mm x 100mm	**-5360K**

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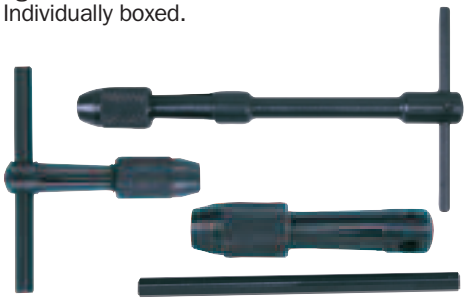
KENNEDY Chuck Style Tap Wrenches

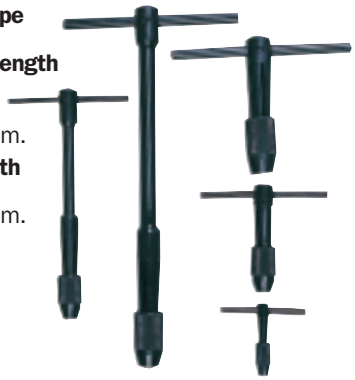
English Type
Used in hand tapping operations, they provide the reach and leverage needed for accurate tapping in tight spaces. Heavy duty ductile steel body with knurled chuck, four equalising jaws to hold the tap true and sliding T-bar which can be used when tapping against a shoulder or other obstructions. Individually boxed.



Square Size (mm)	Length (mm)	Order Code KEN-518
Standard Length		
2.0 - 2.8	50	**-8860K**
3.0 - 5.0	65	**-8880K**
7.0 - 9.4	90	**-8900K**
Long Reach		
3.0 - 5.0	165	**-8920K**
7.2 - 9.0	255	**-8940K**

Chuck Type Tap Wrench Set

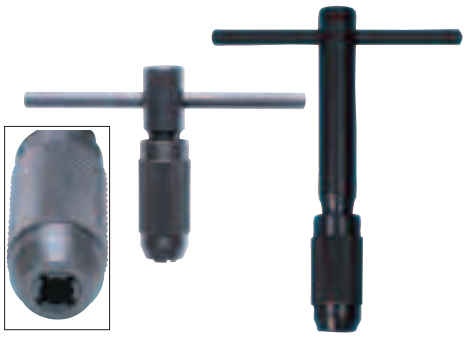
English Type
Contents:
Standard length
2.0 - 2.8,
3.0 - 5.0,
7.0 - 9.4mm.
Extra length
3.0 - 5.0,
7.2 - 9.0mm.



5 PIECES

Number of Pieces	Weight each	Order Code KEN-518
5	895g	**-9000K**

Japanese Type
Used in hand tapping operations, they provide the reach and leverage needed for accurate tapping. Heavy duty ductile steel body with knurled chuck, stepped chuck jaws and four point clamping increase the range of tap sizes which can be used in the wrench fitted with a fixed T-bar. Individually boxed.



Square Size (mm)	Length (mm)	Order Code KEN-518
Slimline		
2.0 - 4.0	55	**-8520K**
Standard Length		
4.0 - 5.0	60	**-8550K**
4.0 - 5.5	70	**-8580K**
Long Reach		
3.0 - 3.9	100	**-8620K**
5.6 - 6.2	120	**-8690K**

Engineer's Tap Wrenches

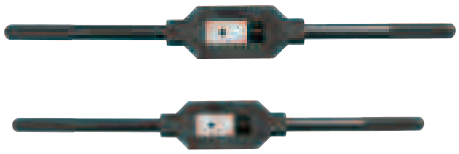
With all steel, hardened and tempered bodies, solid construction, hardened ground jaws and knurled adjustable handles for extra grip. Straight handle design provides greater leverage, especially when using larger diameter taps.
Tap sizes to **ISO 529**.



Square Size (mm)	Order Code KEN-518
2.8 - 5.0	**-8320K**
4.0 - 10.0	**-8350K**
4.0 - 12.0	**-8390K**
5.3 - 17.0	**-8470K**

Tap Wrench Set Contents:
Square size: 2.8 - 5mm and 4.0 - 12mm.

2 PIECES



Number of Pieces	Order Code KEN-518
2	**-8480K**

Bar Type Tap Wrenches

Ductile steel body with a knurled locking nut ensuring no loss of grip during use.

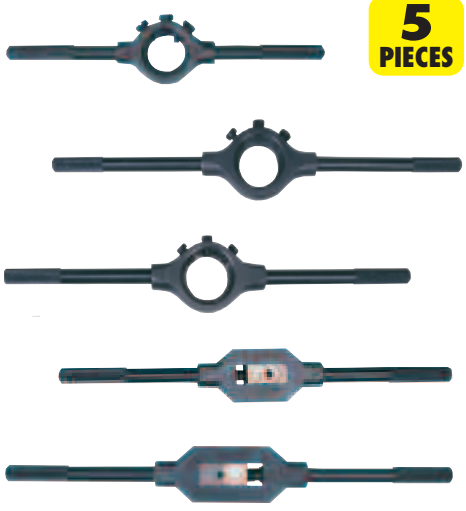


Square Size (mm)	Order Code KEN-518
1.5 - 5.0	**-8800K**
2.0 - 7.2	**-8820K**
2.5 - 9.0	**-8840K**

Tap Wrench & Diestock Set

Contents
Diestocks: 1" x 13/16",1" x 1", 1" x 1 5/16".
Tap wrenches (square size):
1 x 2.8 - 5.0mm and 1 x 4.0 - 10.0mm.

5 PIECES



Number of Pieces	Order Code KEN-518
5	**-8500K**

Ratchet Type Tap Wrenches

Manufactured from hardened and tempered steel, with chrome plated high polish finish. Switchable between forward and reverse coupled with the multi-positional sliding T-bar makes this tap wrench ideal for use in confined spaces. Individually boxed.



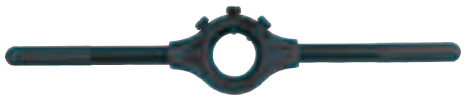
Square Size (mm)	Length (mm)	Order Code KEN-518
3.0 - 6.0	85	**-8720K**
6.0 - 8.0	100	**-8750K**

Replacement Jaws

To Suit	Order Code KEN-567
KEN-518-8720K	**-6500K**
KEN-518-8750K	**-6510K**

Die Stocks

All steel drop forged solid construction for long life with knurled handles for extra grip. Designed to hold a range of different sizes of round split-adjustable dies. The three screw design easily locks die into position and maintains alignment for accurate threading resulting in clean, straight threads.



Outside Diameter	Order Code KEN-518
13/16"	**-8070K**
1"	**-8100K**
1 5/16"	**-8130K**
1 1/2"	**-8150K**
2"	**-8200K**

Die Stock Set Contents:
1 - 13/16" x 150mm,
1 - 1" x 210mm,
1 - 1 5/16" x 280mm.

3 PIECES



Number of Pieces	Order Code KEN-518
3	**-8210K**

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KENNEDY Surface Gauges

Used for marking out lines parallel to a true edge or groove, and also to mark the centre of round bars.
Machined base, two pillars, a double ended scriber and an adjustable attachment for holding scribers up to ¼" diameter on to the pillar.
The base has a machined V-groove for use on pipes and round bar and two frictionally held pins which are used as a guide when sliding along the true edge or groove.
The angle of the pillar can be finely adjusted with the use of a knurled thumb screw.
Supplied with two pillars.

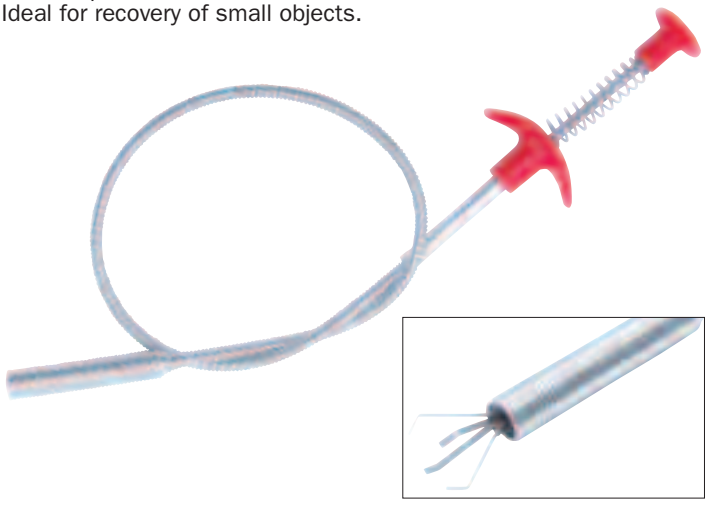


Base dimensions:
78 x 58mm.

Pillar Height (mm)	Weight each	Order Code KEN-518
230 & 305	1.50kg	**-4300K**

Flexible Pick Up Tool

Four prong steel retractable claw. Flexible steel stem with a spring loaded plunger to open and close jaws.
Chrome plated and corrosion-resistant.
Ideal for recovery of small objects.



Length	Order Code KEN-518
600mm (24")	**-4820K**
900mm (36")	**-4840K**

Scribers

Used for the marking out of fine lines on metals.
Manufactured from hardened and tempered high grade steel with knurled bodies for high grip and precision ground points for accurate marking. Available with a chisel point, pocket type, machinist's standard type, double ended, which are mainly used in conjunction with surface gauges.

Pocket
With steel tip only, also a reversible point to prevent snagging of clothing when clipped into pocket. With knurled bodies for extra grip.
Overall length: 88mm.



Description	Weight each	Order Code KEN-518
Pocket Type with Clip	46g	**-4330K**
Scriber Point		**KEN-567-6200K**

Machinists
One piece single ended for marking out in confined places.
Overall length: 115mm.



Description	Weight each	Order Code KEN-518
Machinists Standard	36g	**-4350K**

Double Ended
Double ended, ideal for marking out in hard to get places eg. grooves.
Overall length: 180mm.



Description	Weight each	Order Code KEN-518
Double Ended	60g	**-4370K**

Chisel Point & Scraper
Machinists scriber with scraper. Double ended. Ideal for cleaning surfaces prior to marking out. With chisel point.
Overall length: 180mm.



Description	Weight each	Order Code KEN-518
Chisel Point & Scraper	34g	**-4360K**

Etching Pen Scriber

For marking, scoring and identification on hard and soft materials including alloy, copper, stainless steel, glass and ceramics.
Overall length: 180mm.



Description	Weight each	Order Code KEN-518
T.C.T. For Glass/Tiles	35g	**-4200K**
Spare Tip for Etching Pen	9g	**-4240K**

Retractable Carbide Tipped Etching Pen

For marking and scribing in hard and soft materials including steel, ceramics, plastics and timber.
Overall length: 180mm.



Description	Weight each	Order Code KEN-518
Retractable Etching Pen	35g	**-4220K**
Spare Tip for Etching Pen	9g	**-4240K**

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KENNEDY Engineer's Scrapers

Wooden contoured handles with high grade steel blades, hardened and tempered with extremely keen cutting edges.
Scrapers reduce high spots from a surface which has been previously machined or filed.

Three Square
Suitable for tool room and light engineering work.
Used on small bearings and bushes and into restricted/tight angles.



Length (mm)	Width (mm)	Weight per 5	Order Code KEN-518
100	8	320g	-2440K
150	10	620g	-2460K
205	15	1200g	-2480K

Flat
For use on flat surfaces and external cylindrical surfaces.



Length (mm)	Width (mm)	Weight per 5	Order Code KEN-518
100	16	360g	-2640K
150	19	650g	-2660K
205	23	1300g	-2680K

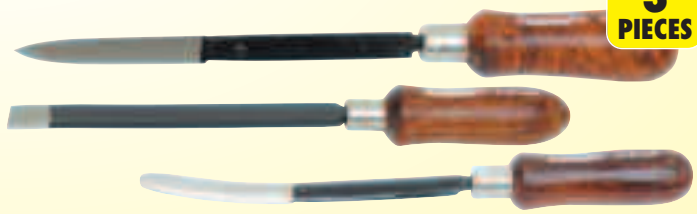
Half Round
For use on hollow surfaces such as bearing linings and internal cylindrical surfaces.



Length (mm)	Width (mm)	Weight per 5	Order Code KEN-518
100	11	330g	-2540K
150	16	600g	-2560K
205	16	1000g	-2580K

3 Piece Set
1 each 100mm three square, half round and 205mm flat.

3 PIECES



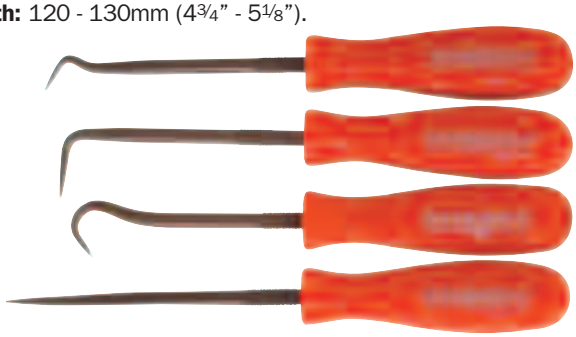
Number of Pieces	Weight each	Order Code KEN-518
3	350g	-2850K

Miniature Hook & Pick Set

Includes straight pick, full hook, 90° hook and 45° hook.
Ideal for use on cotter pins, keys, 'O' rings, springs and washers.
Hardened and tempered chrome vanadium steel shanks with a knurled section for precise grip. Impact resistant square section handles for secure grip even when greasy.

Overall length: 120 - 130mm (4¾" - 5⅛").

4 PIECES



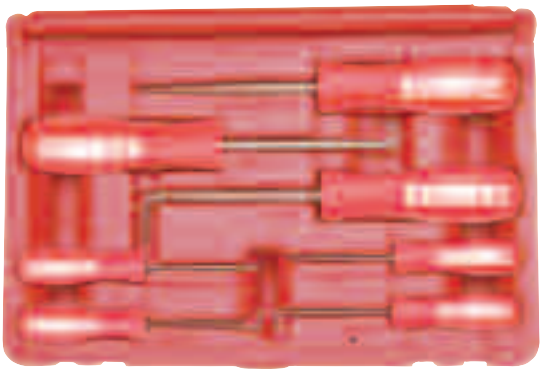
Number of Pieces	Order Code KEN-518
4	-2900K

Universal Hook & Pick Set

Designed for use in automotive and engineering applications. Ideal for use in the removal of O-rings, cotter pins, seals, bushes, springs and washers. Impact resistant handles.
Presented in sturdy blow moulded plastic case.

Contents; 210mm (8") hook tip, straight tip, 90° tip 135mm (5"), straight tip, hook tip, combination tip, 90° tip.

7 PIECES



Number of Pieces	Order Code KEN-518
7	-2920K

Pin Vices

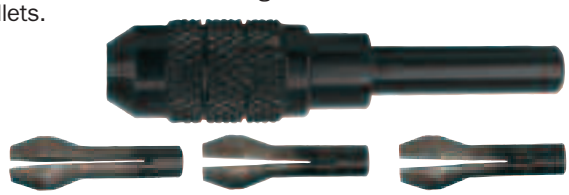
Manufactured from hardened steel. Ideal for holding drills, small files and wire. The through hole construction of the body allows lengths of wire to be held.



Capacity (mm)	Length (mm)	Order Code KEN-518
0.0 - 1.00	83	-1210K
0.8 - 1.50	85	-1220K
1.3 - 3.10	90	-1230K
3.0 - 4.80	100	-1240K
4 Piece Set - Capacity 0.0 - 4.80		-1200K

Pin Chucks

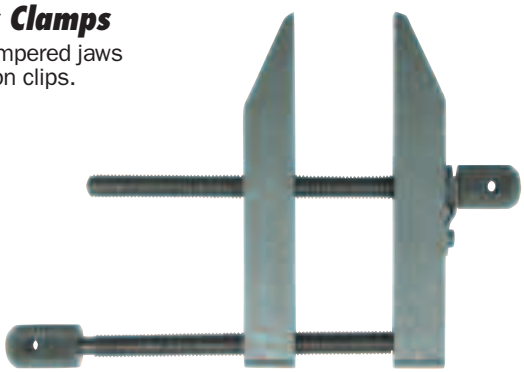
For holding small drills in lathes and larger chucks.
With three collets.



Range (mm)	Order Code KEN-518
0.25 - 2.5	-1260K

Toolmaker's Clamps

Hardened and tempered jaws with spring tension clips.



Capacity	Length (mm)	Order Code KEN-518
32mm	50	-4400K
58mm	75	-4410K
70mm	100	-4420K
89mm	125	-4430K

HAND TOOLS

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RUTLAND Quality Gardening Tools

A high quality product that is suitable for use in garden centres, parks, sports areas industrial gardens, farms and for household use where a high quality professional product is required. The products are produced from heat treated steel which is carefully ground. These tools also have steel handles and PVC grips.

Garden Spades

Carbon steel blades. Deep sockets and swan necks for improved strength, polypropylene 'YD' handles and bend resistant shafts.

SBC235
Border
Wooden shaft and plastic handle.
Overall length: 940mm
Blade size: 235 x 140mm.

SBC290
Digging
Wooden shaft and plastic handle.
Overall length: 1010mm.
Blade size: 290 x 180mm.

SBL290
Long Socket
Plastic shaft, soft grip plastic handle and long socket.
Overall length: 1080mm.
Blade size: 290 x 180mm.

CARBON STEEL



Product Number	Type	Weight each	Order Code RTL-522
SBC235	Border	1.52kg	**-4360K**
SBC290	Digging	1.94kg	**-4310K**
SBL290	Digging	2.27kg	**-4410K**

Garden Forks

Carbon steel prongs. Deep sockets and swan necks for improved strength, polypropylene 'YD' handles and bend resistant shafts.

FBC235
Border
Wooden shaft and plastic handle.
Overall length: 955mm.
Blade size: 235 x 140mm.

FDC300
Digging
Wooden shaft and plastic handle.
Overall length: 1010mm.
Blade size: 300 x 185mm.

FLC300
Digging Long Socket
Plastic shaft, soft grip plastic handle.
Overall length: 1080mm.
Blade size: 300 x 180mm.

CARBON STEEL



Product Number	Type	Weight each	Order Code RTL-522
FBC235	Border	1.35kg	**-4350K**
FDC300	Digging	1.83kg	**-4300K**
FLC300	Digging	2.36kg	**-4400K**

Garden Spades

Polished and ground stainless steel blades with deep sockets and swan neck for improved strength. Bend resistant. Polypropylene 'YD' handles and shafts.

SDS180
Digging
Suitable for general application.
Blade width: 180mm.
Overall length: 1030mm.

SDB150
Border
Suitable for use in confined areas of the garden.
Blade width: 150mm.
Overall length: 910mm.

STAINLESS STEEL



Product Number	Type	Weight each	Order Code RTL-522
SDS180	Digging	2.1kg	**-2510K**
SDB150	Border	1.7kg	**-2560K**

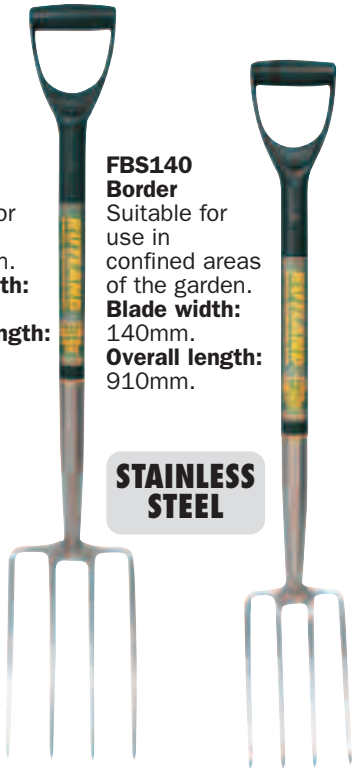
Garden Forks

Polished and ground stainless steel prongs with deep sockets and swan neck for improved strength. Bend resistant. Polypropylene 'YD' handles and shafts.

FDS180
Digging
Suitable for general application.
Blade width: 180mm.
Overall length: 1000mm.

FBS140
Border
Suitable for use in confined areas of the garden.
Blade width: 140mm.
Overall length: 910mm.

STAINLESS STEEL



Product Number	Type	Weight each	Order Code RTL-522
FDS180	Digging	1.90kg	**-2500K**
FBS140	Border	1.60kg	**-2550K**

Carbon Steel Fork & Trowel

Hammered epoxy coated carbon steel blades. Varnished wooden handles.

Hand trowel: 285 x 87mm.
Weeding fork: 285 x 80mm.

CARBON STEEL



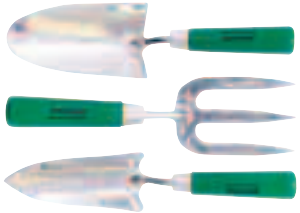
Type	Weight each	Order Code RTL-522
Hand Trowel	200g	**-4210K**
Weeding Fork	230g	**-4200K**

Stainless Steel Fork & Trowel

Stainless steel blades with plastic handles.

Hand trowel: 300 x 81mm.
Weeding fork: 270 x 76mm.
Graduated bulb planter: 300 x 65mm.

STAINLESS STEEL



Type	Weight each	Order Code RTL-522
Hand Trowel	255g	**-2410K**
Weeding Fork	170g	**-2400K**
Bulb Planter	205g	**-2420K**
Set of 3 (as above)	825g	**-2450K**

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RUTLAND Quality Gardening Tools

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Stainless Steel Gardening Tools

240420
Draw Hoe
Blade width: 140mm.
Overall length: 1550mm.

240220
Dutch Hoe
Blade width: 128mm.
Overall length: 1600mm.

240520
Garden Rake
Blade width: 300mm.
Overall length: 1570mm.

STAINLESS STEEL

240620
3 Prong Cultivator
Blade width: 90mm.
Overall length: 1620mm.

240120
Edging Knife
Blade width: 215mm.
Overall length: 930mm.



Product Number	Weight each	Order Code RTL-522
240420	1.2kg	-2770K
240120	0.9kg	-2700K
240220	1.5kg	-2750K
240520	1.6kg	-2800K
240620	1.2kg	-2840K

Carbon Steel Gardening Tools

Carbon steel blades, have aluminium shafts and soft grip rubber handles.

341151
Draw Hoe
Blade width: 140mm.
Overall length: 1410mm.

340851
Dutch Hoe
Blade width: 128mm.
Overall length: 1530mm.

341051
Garden Rake
Blade width: 295mm.
Overall length: 1530mm.

CARBON STEEL

340351
Lawn Rake
Blade width: 440mm.
Overall length: 1530mm.



Product Number	Weight each	Order Code RTL-522
340851	640g	-4800K
341151	630g	-4820K
341051	905g	-4900K
340351	870g	-4920K

HAND TOOLS

RUTLAND Quality Gardening Tools

Premier Gardening Set

10 PIECES

STAINLESS STEEL

Contents:
Hand trowel, weeding fork and bulb planter, digging spade and fork. Garden rake and dutch hoe both with stainless steel heads, steel handles and PVC grips. Bypass secateurs - maximum cutting diameter 25mm. Heavy duty polythene garden bag with 170ltr capacity. Heavy duty Canadian rigger gloves size 10.



Description	Order Code RTL-522
10 Piece	-9120K

Country Gardening Set

11 PIECES

CARBON STEEL

Contents:
Hand trowel, weeding fork and bulb planter, digging spade and fork. Garden rake, dutch hoe and lawn rake all with carbon steel heads, aluminium handles and soft rubber grips. Bypass secateurs - maximum cutting diameter 25mm. Heavy duty polythene garden bag with 170ltr capacity.
Heavy duty Canadian rigger gloves size 10.



Description	Order Code RTL-522
11 Piece	-9100K

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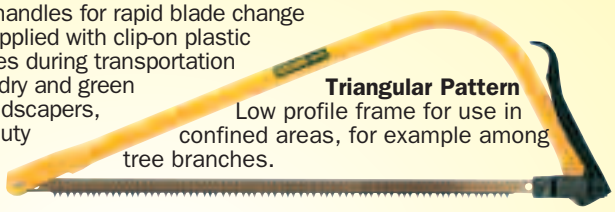
RUTLAND Quality Gardening Tools — Bow Saws

All models feature lever tension handles for rapid blade change and rigid oval section frames. Supplied with clip-on plastic blade protectors to prevent injuries during transportation and storage. Suitable for cutting dry and green wood. Suitable for gardeners, landscapers, builders, farmers etc. Standard duty suitable for occasional use e.g. DIY, gardener etc. Heavy-duty suitable for regular use e.g. professional landscapers etc.

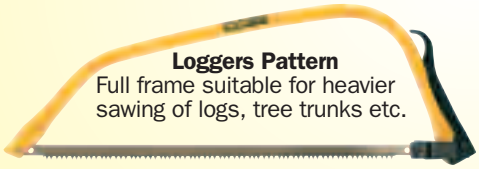


Triangular Pattern
Low profile frame for use in confined areas, for example among tree branches.



Replacement Blades

Blade Length (mm)	Weight per 10	Order Code RTL-522
460 (18”)	505g	-7910K
530 (21”)	560g	-7930K
610 (24”)	750g	-7950K
760 (30”)	850g	-7970K



Loggers Pattern
Full frame suitable for heavier sawing of logs, tree trunks etc.

Type	Duty (Weight)	Blade Length (mm)	Throat Length	Weight each	Order Code RTL-522
Triangular	Standard	460 (18”)	180mm	480g	-7180K
Logging	Standard	530 (21”)	180mm	480g	-7210K
Triangular	Heavy	530 (21”)	180mm	540g	-7310K
Logging	Heavy	610 (24”)	180mm	700g	-7340K
Logging	Heavy	760 (30”)	230mm	820g	-7400K

Folding Pruning Saw

Contoured grip with push button locking mechanism.

Overall length: closed 230mm, opened 440mm.

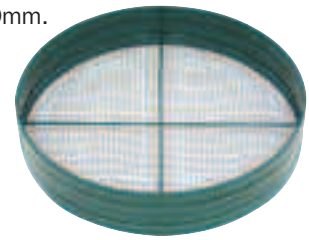


Overall Length	Weight each	Order Code RTL-522
440mm	240g	-6600K

1/4” Mesh Riddle

For bringing soil to a suitable condition, removing large lumps to provide the perfect potting soil, according to size. Made of steel mesh.

Diameter: 360mm.
Depth: 70mm.



Type	Order Code RTL-522
1/4” Mesh Riddle	-8400K

Ratchet Tree Lopper & Telescopic Pole Saw

2.4m telescopic pole. Ratchet cutting mechanism.
Pole saw can be used independently or attached to the lopper.

Lopper cutting capacity: 35mm (1 3/8”).
Saw blade size: 25 x 350mm (1” x 14”).





Overall Length	Order Code RTL-522
2.4m	-2120K

5-in-1 Secateur Multi-Tool

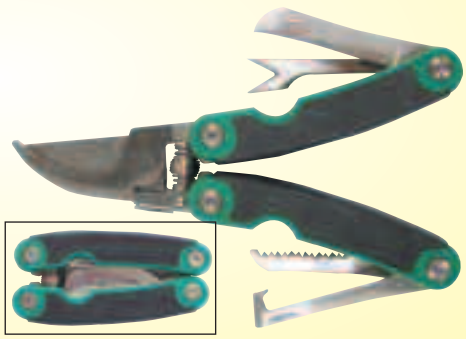
The 5-in-1 Secateur is a versatile tool ideal for all levels of gardener.The main functions include - root remover, mini saw, secateurs, weeding tool and pruning knife. As well as the five main applications the tool comes equipped with a bi-material grip and stainless steel blades to help prevent rust. With the use of the blade lock, the secateurs can be folded safely into a compact size fitting the pocket pouch included.

Size (H x W x D): 150 x 80 x 18mm.





Overall Length	Weight each	Order Code RTL-522
150mm		-2380K



Bypass Secateurs

Bypass secateurs with a non-clogging telescopic spring and single handed locking mechanism.

Standard Duty
Contoured rubber grip handles.

Maximum cutting diameter: 25mm.
Overall length: 200mm.



Heavy Duty
Textured rubber grip handles.

Overall length: 215mm.



Type	Weight each	Order Code RTL-522
Standard	249g	-1600K
Heavy Duty	297g	-1750K

Pruning Shears

Spring loaded, with contoured grips and blade locking mechanism.

Overall length: 200mm.

Anvil Action
The anvil secateur is designed for cutting old, hard and deadwood. The anvil supports a wide area of the branch while the sharp narrow upper blade is forced through the wood with only a minimum amount of slicing action.



Bypass Action



Type	Weight each	Order Code RTL-522
Anvil Action	227g	-2050K
Bypass Action	223g	-2100K

Flora Secateur

Long nose secateurs for delicate pruning jobs.Textured cushioned grip for user comfort.

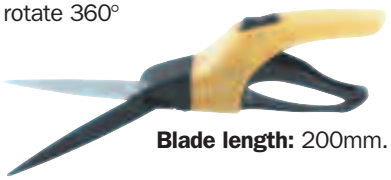
Maximum cutting diameter: 30mm.



Overall Length	Weight each	Order Code RTL-522
180mm	181g	-1550K

Single Hand Grass Shears

Spring loaded non-stick blades, blade rotation with locking mechanism. For left or right hand use.
Blades rotate 360°



Blade length: 200mm.

Blade Rotation	Weight each	Order Code RTL-522
360°	297g	-2020K

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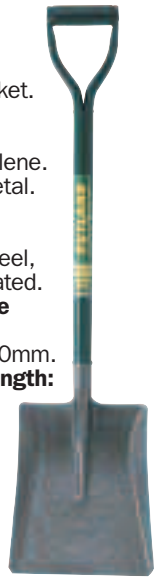
RUTLAND CONTRACTORS TOOLS Square Mouth Shovels

SSC245/SSC190
High-tensile tubular steel construction with 'YD' handle which is designed for heavy industrial and professional use. Shovel head is finished in a tough epoxy powder coating which prevents rusting and reduces soil adhesion.

SSC215
Black finish, heat treated blade and hardwood shaft. Bend resistant. Polypropylene 'YD' handle.

CARBON STEEL



SSC245
Type: open socket.
Handle Type: YD polypropylene.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade size (W x H): 245 x 300mm.
Overall length: 965mm.



SSC190
Type: open socket
Handle type: YD polypropylene.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade size (W x H): 190 x 300mm.
Overall length: 975mm.



SSC215
Type: open socket.
Handle type: YD polypropylene.
Shaft: hardwood.
Blade material: carbon steel, powder coated, varnished.
Blade size (W x H): 215 x 300mm.
Overall length: 1020mm.

Product Number	Weight each	Order Code RTL-522
SSC245	1.95kg	-4500K
SSC190	2.13kg	-4510K
SSC215	1.10kg	-5580K

Round Mouth Shovel

SRC230
Black finish, heat treated blade and hardwood shaft. Bend resistant. 'YD' polypropylene handle.

Type: open socket.
Handle type: YD polypropylene.
Shaft: hardwood.
Blade material: carbon steel, powder coated, varnished.
Blade size (W x H): 230 x 300mm.
Overall length: 1010mm.

CARBON STEEL



Product Number	Weight each	Order Code RTL-522
SRC230	1.80kg	-5590K

Taper Mouth Shovel

STC190
High tensile tubular steel construction with metal 'MYD' handle which is designed for heavy industrial and professional use. Finished in a tough epoxy powder coating which prevents rusting and reduces soil adhesion.

Type: all metal.
Handle type: MYD metal framed.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade width: 190 - 165mm.
Blade height: 280mm.
Overall length: 990mm.

CARBON STEEL



Product Number	Weight each	Order Code RTL-522
STC190	1.10kg	-8160K

RUTLAND CONTRACTORS TOOLS Cable Laying, Draining & Grafting Tools

High-tensile tubular steel construction designed for heavy industrial and professional use. Shovel head is finished in a tough epoxy powder coating which prevents rusting and reduces soil adhesion.

Cable Laying Shovel
All steel with slightly dished blade and round cutting edges. Designed for clay digging and heavy ground breaking work.

CLC140
Type: all metal.
Handle type: MYD metal framed.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade width: 140 - 115mm.
Blade height: 280mm.
Overall length: 990mm.



Newcastle Drainer
Ideal for digging trenches, pipe, cable and drain channels and post holes.

NCD165
Type: all metal.
Handle type: MYD metal framed.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade width: 165 - 100mm.
Blade height: 400mm.
Overall length: 1115mm.



Grafting Spade
All steel with a slightly dished head. Ideal for digging post holes in confined spaces.

GSC140
Type: all metal.
Handle type: straight metal.
Shaft: metal.
Blade material: carbon steel, epoxy coated.
Blade width: 140 - 127mm.
Blade height: 280mm.
Overall length: 1650mm.



CARBON STEEL

Product Number	Weight each	Order Code RTL-522
CLC140	2.00kg	-8340K
NCD165	2.20kg	-8500K
GSC140	3.90kg	-8320K

HAND TOOLS

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SITESAFE

Pick Axe Handles



Manufactured to **BS 3823**.
Overall length: 950mm (36").

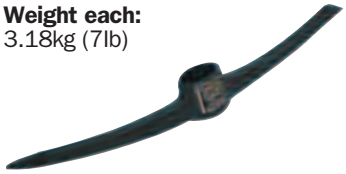
S71440 - Economy
Made from genuine hickory with a waxed finish.

S71410 - Grade 1 Hickory
Handle to fit standard pick axe or mattock eye. Hickory shaft fitted with a plastic head designed for increased grip in the eye of the pick axe or mattock head once fitted.

Product Number	Order Code SSF-522
S71440	**-6511B**
S71410	**-6512C**

Pick Axe Head

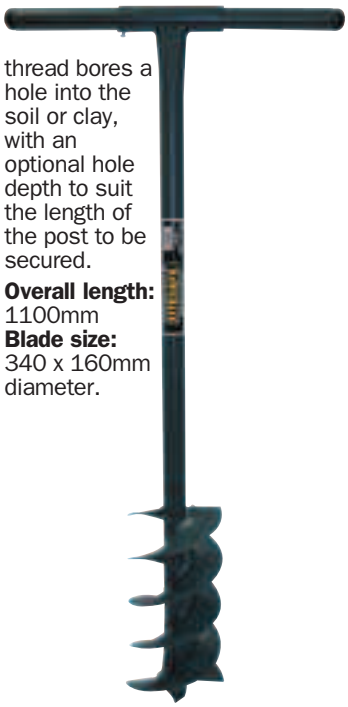
S72004
A solid eye navy pick head with chisel and point for the breaking of concrete.
Weight each:
3.18kg (7lb)



Product Number	Order Code SSF-522
S72004	**-6510A**

Post Hole Auger

S63124
Provides an easy non-mechanical means of creating holes when erecting fencing posts.
When rotated in a clockwise direction the 150mm diameter thread bores a hole into the soil or clay, with an optional hole depth to suit the length of the post to be secured.



Overall length:
1100mm
Blade size:
340 x 160mm diameter.

Product Number	Weight each	Order Code SSF-522
S63124	3.35kg	**-6567C**

Post Hole Bar - Chisel End

S62424
Steel Post hole digging bar manufactured from high grade heat treated steel bar with one chisel point and one tamper head. The post hole digger has a 60mm mushroom head at one end and a bevelled chisel edge at the other. It is frequently used for digging small holes in earth.

Overall length:
1800mm.
Blade size:
230 x 60mm.



Product Number	Weight each	Order Code SSF-522
S62424	8.00kg	**-6568D**

Post Hole Diggers

Post hole diggers have a steel oval mouth shovel blade which are hinged in opposition for easy use and soil removal.
A closure stop on the shafts keeps the blades in parallel when driving downward into the ground creating a neat post hole while minimising the need for backfill.



S64424
Scissor Action
Overall length:
1730mm.
Blade size:
360 x 220mm.
Max. opening:
550mm.

S64414
Hinged Action
Overall length:
1500mm.
Blade size:
240 x 135mm.
Max. opening:
150mm.

Product Number	Weight each	Order Code SSF-522
S64414	1.15kg	**-6565A**
S64424	6.50kg	**-6566B**

Post Rammer

S65424
All-steel post rammer is the ideal tool for driving posts into the ground. Safer and more accurate than using a sledge or club hammer.

Length: 710mm (28").
Maximum post capacity:
150mm (6") diameter.



Product Number	Weight each	Order Code SSF-522
S65424	14.50kg	**-6569E**

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Asphalt & Tarmac Rakes

Tubular steel handle, long tang and solid steel painted head with 16 flat teeth for evenly spreading loose stocks of tarmac and asphalt.

S31424
Asphalt Rake
16 Flat Teeth
Head width: 406mm.
Overall length: 1780mm.

S32424
Tarmac Rake
16 Round Teeth
Head width: 406mm.
Overall length: 1780mm.



Product Number	Rake Type	Order Code SSF-522
S31424	Asphalt	-7861B
S32424	Tarmac	-7862C

Floor Scraper

S41411
Used for removing grease and dirt from workshop floors, preparation areas and shopping arcades etc. The steel blade is designed not to damage tiled flooring or laminates and is fitted with fibreglass handles for strength and easy sterilisation.

Overall length: 1480mm.
Blade size: 210 x 100mm.



Spare blades
S41001
Stainless steel to suit floor scrapers.
Five hole old type.

Product Number	Weight each	Order Code SSF-522
S41411	1.15kg	-3863A
S41001	-	-3863D

Roofing Scraper

S42414
The heavy duty roofing scraper. One-piece solid steel forged blade and wooden handle.
The scraper can be re-sharpened with a hand file. Ideal for heavy duty scraping including roofing felt removal, chopping, paint removal and digging or cutting tree roots.

Overall length: 1640mm.
Blade size: 240 x 170mm.



Product Number	Weight each	Order Code SSF-522
S42414	2.60kg	-7120A

Earth Rammer

S51424
Square head supplied with tubular steel metal shaft. Used for compacting areas of tarmac or asphalt or for tamping down backfill during the erection of fence posts.

Overall length: 1280mm.
Blade size:
130 x 130 x 25mm.



Product Number	Weight each	Order Code SSF-522
S51424	4.50kg	-3520A

HAND TOOLS

RUTLAND™ Quality Gardening Tools

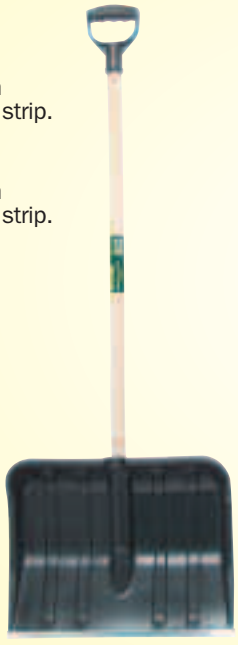
Snow Shovels & Ice Breaker

manufactured from impact resistant ABS plastic with a hard wood shaft and plastic D-grip handle. They incorporate a moulded recess in each shovel pan for easy stacking.

Hardwood Shaft
Small
Overall length:
345 x 310 x 850mm.

Medium
Overall length:
395 x 309 x 1170mm
and has a metal wear strip.

Large
Overall length:
465 x 370 x 1200mm
and has a metal wear strip.



Unique Stacking



Shovel Type	Order Code RTL-522
Small	-8110K
Medium	-8120K
Large	-8130K

Aluminium Shaft
Lightweight aluminium shaft with a plastic sleeve and has a metal wear strip.

Dimensions (W x D x H):
465 x 370 x 1300mm.

Telescopic
This small shovel is ideal when clearing small surfaces. It is light and strong with a telescopic shaft which is perfect to be used as a car shovel.

Dimensions (W x H):
310 x 700 - 840mm.





Suitable for SNOW, SAND, GRAIN ETC.

Shovel Type	Order Code RTL-522
Telescopic Aluminium	-8270K -8290K

Ice Breaker
Designed to break up ice and compacted snow, robust steel blade fitted with a wooden shaft and plastic PY handle.
Once the compacted snow or ice has been broken up, a snow shovel can be used to move the loosened snow/ice.

Dimensions (W x D x H):
180 x 50 x 1050mm.



Shovel Type	Order Code RTL-522
Ice Breaker	-8310K

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RUTLAND Quality Gardening Tools — Garden Knapsack Sprayers

Can be used for left or right handed operation. Spray lance with locking trigger and four adjustable nozzles, that clips onto handle for storage. Pressurising pump handle with grip and storage loop. Pressure release valve. Adjustable webbing shoulder straps.

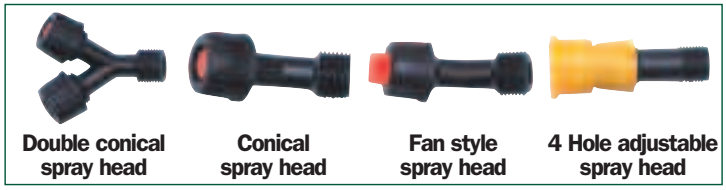


Size	Weight each	Order Code RTL-523
16ltr	3.50kg	-4300K
20ltr	4.00kg	-4280K

16ltr capacity
blow-moulded container with filter and fluid level graduations.

20ltr capacity
blow-moulded container with filter and fluid level graduations long reach.





Double conical spray head | **Conical spray head** | **Fan style spray head** | **4 Hole adjustable spray head**

Pressure Sprayer

5ltr capacity blow-moulded container with fluid level graduations. Spray lance with trigger and adjustable nozzle. Pressure release valve. Adjustable webbing shoulder strap.





Capacity	Weight each	Order Code RTL-523
5ltr	1.11kg	-4320K

Hand Sprayer

High quality hand held sprayer manufactured from ABS plastic which is both shatter-proof and frost-resistant. For use with chemicals around the garden.



Capacity	Weight each	Order Code RTL-523
1.5ltr	360g	-4360K

Trigger Hand Sprayer

Manufactured from polyethylene, these robust trigger spray dispensers are suitable for many home and garden applications, will dispense various water based detergents, insecticides, soluble plant food, solvents and cleaning agents.



Capacity	Weight each	Order Code RTL-523
500ml	75g	-4900K
740ml		-4920K
1000ml		-4940K

Galvanised Watering Cans

Removeable brass rose head. With reinforced nozzle and side handle.



Capacity	Weight each	Order Code RTL-523
8ltr	1.3kg	-4800K

Gardener's Kneeling Pad

Designed for ease of use and user comfort, lightweight and durable with single grab handle. Manufactured from easy to clean water-resistant dense EVA foam, 18mm thick.
Dimensions: 180 x 406 x 18mm.



Material	Weight each	Order Code RTL-523
EVA Foam	121g	-9700K

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RUTLAND Quality Gardening Tools — Coil Hose Sets

These hose coil sets come complete with a seven pattern spray gun, heavy duty snap action connectors and a threaded tap connector. It is light in weight, does not kink or tangle and provides superior waterflow control.

Spray settings:
- Soaker.
- Mist.
- Shower.
- Jet.
- Flat.
- Centre.
- Cone.



3 PIECES

Size	Order Code RTL-523
15m	-3940K
30m	-3960K

Hose Trolley

This large capacity trolley stores up to 60m of 13mm (½") hose or 45m of 16mm (⅝") hose. It is easy to assemble – snap and click, needs no tools. It has a sturdy frame with a rust and corrosion-resistant coating.
Hose not included.



Capacity	Order Code RTL-523
60m/200ft	-4100K

Hose Tidy

This wall mounting bracket provides a tidy solution to the storage of garden hose and fittings. Hose and fittings not supplied.



Type	Order Code RTL-523
Hose Tidy	-4090K

30m Garden Hose Set

30m Standard reinforced garden hose, bore size 13mm. Complete with snap action spray nozzle, female water stop, female fitting and universal tap connector.

5 PIECES



Size	Order Code RTL-523
30m	-4120K

Garden Hoses

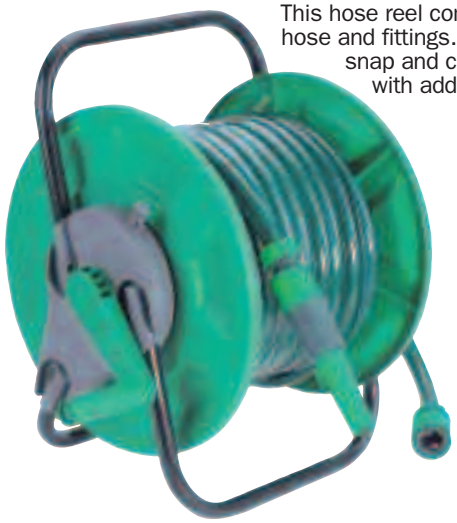
Multi-purpose three layer braided garden hose. Bore size 13mm.



Size	Order Code RTL-523
30m	-4020K
50m	-4040K

Hose Reel Set

This hose reel comes complete with 15m hose and fittings. It is easy to assemble - snap and click, needs no tools and with added hose can store up to 60m of 13mm hose.



8 PIECES

15m

Size	Order Code RTL-523
15m	-4140K

Hose Reel Set

This hose reel set comes complete with 30m hose and fittings. It is easy to assemble - snap and click, needs no tools. It can store up to 45m of 16mm hose or 60m of 13mm hose.



8 PIECES

30m

Size	Order Code RTL-523
30m	-4080K

HAND TOOLS

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RUTLAND Quality Gardening Tools — Spray Nozzle Starter Set

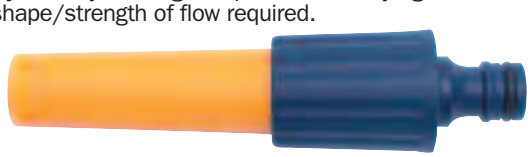
Four piece spray nozzle set with nozzle, water stop hose connector, hose connector and tap adaptor.



Type	Weight each	Order Code RTL-523
Spray Nozzle Starter Set	127g	-4160K

Adjustable Hose Nozzle

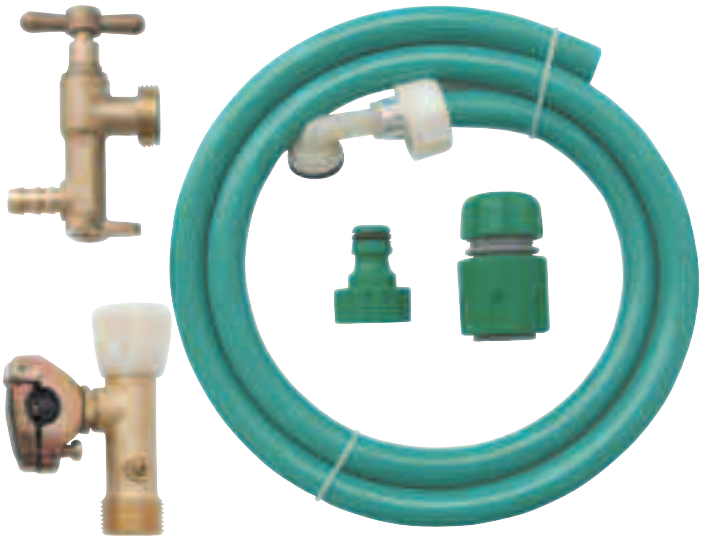
Spray nozzle is adjusted by twisting one part of the body against the other to get the shape/strength of flow required.



Type	Weight each	Order Code RTL-523
Adjustable Hose Nozzle	47g	-4600K

Brass Outdoor Tap Set

A quick inexpensive, and effective way of fitting an outside tap. Kit includes screws and plugs, self cutting tap, supply hose, garden tap and pipe clips.



Type	Weight each	Order Code RTL-523
Brass Outdoor Tap Set	760g	-9550K

½" Water Stop Hose Connector

Water stop valve to cut off supply as soon as the connection is disconnected and is ideal for connecting to implements.



Type	Weight each	Order Code RTL-523
½ Water Stop Hose Connector	35g	-4580K

Universal Tap Connector

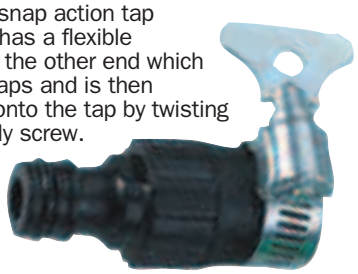
This male snap action connector can be attached to any tap with either a ½" or ¾" BSP fitting.



Type	Weight each	Order Code RTL-523
Universal Tap Connector	23g	-4530K

Clamp-on Tap Connector

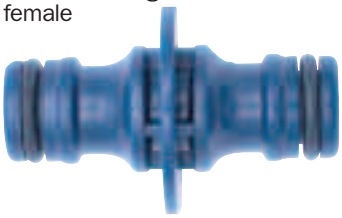
This male snap action tap connector has a flexible coupler on the other end which fits most taps and is then tightened onto the tap by twisting the butterfly screw.



Type	Weight each	Order Code RTL-523
Clamp Tap Connector	47g	-4500K

2 Way Male Snap Action Connector

This fitting is for connecting two hoses with both having female fittings on the end.



Type	Weight each	Order Code RTL-523
2 Way Male Connector		-4460K

Multi-purpose Tap Connector

This male snap action connector is for connecting a hose onto most modern taps, including mixers.



Type	Weight each	Order Code RTL-523
Multi-Purpose Tap Connector	81g	-4540K

Large Square Mixer Tap Connector

Fits large or square taps, fits direct to hose.
Fits 13mm hose.



Type	Weight each	Order Code RTL-523
Square Mixer Tap	180g	-9560K

3 Way Male Snap Action Connector

For splitting one supply hose into two outlets, with all three hoses having female snap action connectors.



Type	Weight each	Order Code RTL-523
3 Way Male Connector	23g	-4470K

Hose End Connector

This fitting is for use on the end of the hose which connects to the supply.



Type	Weight each	Order Code RTL-523
Hose End Connector	34g	-4520K

13mm (½") Hose Joiner

This fitting is used for either mending or joining hoses.



Type	Weight each	Order Code RTL-523
Hose Joiner	31g	-4480K

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RUTLAND Quality Gardening Tools

Heavy Duty Spray Gun

6 Pattern Chromed Spray Gun
Heavy duty chrome spray gun, designed to be used for all gardening and general purpose tasks.

Spray settings:
- Soaker.
- Shower.
- Jet.
- Flat.
- Mist.
- Cone.

6 PATTERN



Type	Weight each	Order Code RTL-523
Spray Gun		-9260K

Brass Spray Gun

This spray gun is easy to control and has a locking trigger, comfort grip and snap action fitting.



Type	Weight each	Order Code RTL-523
Brass Spray Gun	345g	-4220K

Spray Lance

This spray lance has a pivoting head and telescopic body, making it an invaluable asset when watering hanging baskets, window boxes etc. in any location. The telescopic arm expands from 90cm (36") to 135cm (53").

Spray settings:
- Soaker.
- Shower.
- Centre.
- Jet.
- Flat.
- Mist.
- Cone.

7 PATTERN

EXTENDS TO 135cm





Type	Weight each	Order Code RTL-523
Spray Lance	230g	-4440K

Spray Gun

This seven pattern spray gun has a comfort grip, locking trigger and snap action connector.

Spray settings:
- Soaker.
- Shower.
- Circle.
- Jet.
- Flat.
- Mist.
- Cone.



7 PATTERN

Type	Weight each	Order Code RTL-523
Spray Gun	170g	-4240K

Chrome Spray Gun

This heavy duty spray gun has six spray patterns, is easy to control with a comfortable grip, locking trigger and snap action connector.

Spray settings:
- Shower.
- Centre.
- Stream.
- Flat.
- Mist.
- Full.



6 PATTERN

HEAVY DUTY

Type	Weight each	Order Code RTL-523
Chrome Spray Gun	386g	-4230K

Spray Gun Set

This spray gun set comprises: Six pattern spray gun with locking trigger and snap action connector, female water stop, female fitting and universal tap connector.

Spray settings:
- Shower.
- Centre.
- Stream.
- Flat.
- Mist.
- Full.

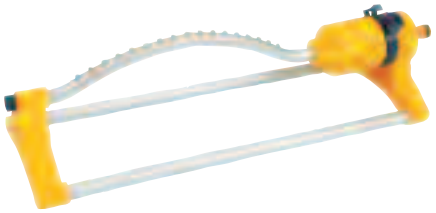
4 PIECES



Type	Weight each	Order Code RTL-523
Spray Gun Set	197g	-4200K

Oscillating Sprinkler

This oscillating sprinkler has a gear drive operation for even, gentle lawn watering. Coverage levers enable easy adjustment to your required oscillation width, giving a coverage of about 200m³ (depends on water pressure, length and bore of hose).





Weight each	Order Code RTL-523
560g	-4400K

Impulse Sprayer

This sprinkler has a minimal footprint for lawn protection, fully adjustable distance and spray pattern with full or part circle operation and a spray coverage of up to 24m².





Weight each	Order Code RTL-523
490g	-4380K

HAND TOOLS

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RUTLAND Quality Gardening Tools — Lightweight Garden Bag

170ltr capacity garden bag with two handles. Made from rot-proof woven polyethylene fabric with tear resistant stitching for durability.



Type	Weight each	Order Code RTL-523
Lightweight Garden Bag	220g	-4700K

Heavy Duty Garden Bag

170ltr capacity garden bag with a unique strengthener around the mouth and three handle design. Tough woven polyethylene fabric with tear resistant stitching for longer usage. UV treated for extra long life and stays rot-proof for years.



Type	Order Code RTL-523
Heavy Duty Garden Bag	-9800K

Polypropylene Bulk Bag

Used to ship or store a wide variety of bulk materials. Suitable for: building materials, cement, food ingredients, mineral and quarried products, seed, fertiliser, salt, potatoes and garden waste.
Safe working load (SWL): 1000kg.
Supplied with test certificate.



Size (mm) (W x L x H)	Order Code RTL-523
850 x 850 x 870	-4740K

Blue Rubble Sacks

Extra strong recycled polythene refuse sacks. Suitable for garden and building site use.
Size (W x L): 460 x 740mm (18" x 29").



Pack Quantity	Order Code RTL-523
7	-4760K
100	-4770K

Gardening Bucket

Flexible
Extremely versatile and virtually indestructible. it can be used for moving soil, garden waste, rubble and various other jobs around a garden or building site.
Diameter: 460mm.



Size	Weight each	Order Code RTL-523
42ltr	200g	-4880K

SITESAFE Builder's Buckets

Flexible
Extremely versatile and virtually indestructible. it can be used for mixing plaster or cement, moving rubble and countless other jobs.



Colour	Size	Order Code SSF-512
Yellow	26ltr	-2980K
	40ltr	-3000K
	75ltr	-3040K
Blue	26ltr	-3080K
	42ltr	-3100K



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RUTLAND Quality Gardening Tools

Pop-up Gazebo Shelter

NEW

Measuring 3m x 3 x 2.6m when assembled, this pop-up gazebo has a steel frame and waterproof 250g polyester PVC coated cover. Comes complete with guide ropes, pegs, weight bags, wind bar and carrying holdall. Ideal for shelter from the sun or light rain but do not use during extremely windy conditions. Side panels not included - sold separately through order code RTL-984-2520K.

Packed size (W x H x D):
1240 x 205 x 205mm.





Model Number	Weight	Order Code RTL-984
FGS300	15kg	-2500K

4 Piece Side Panel for Gazebo Shelter
Set of four sides for use with RTL-984-2500K gazebo shelter. Made of 140g polyester with hook and loop fixing straps for easy attachment. Large PVC arched windows on two sides to maximise natural light and zipped doors on other two sides for easy access.



Model Number	Weight	Order Code RTL-984
SP4-FGS	16kg	-2520K

Galvanised Garden Mesh

Made from high quality hot dip galvanised wire. Ideal for use in decoration, fencing, plant support, cages, aviaries, hutches, coops etc.

Mesh size: 25mm.
Roll size: 0.9 x 10m.



Roll Size	Order Code RTL-523
0.9 x 10m	-5200K

Weed Control Matting

An organic method of suppressing weeds in your garden or allotment and under decking or patios. The fabric lets water drain through whilst stopping the light that's essential to plant growth.

Standard Duty:
spun bound polypropylene.
50gsm fabric.



Size	Order Code RTL-523
1.0 x 20m	-5100K
1.5 x 100m	-5120K
Plastic Pegs (Pk of 10)	-5500K

Heavy Duty:
woven polypropylene
100gsm fabric.

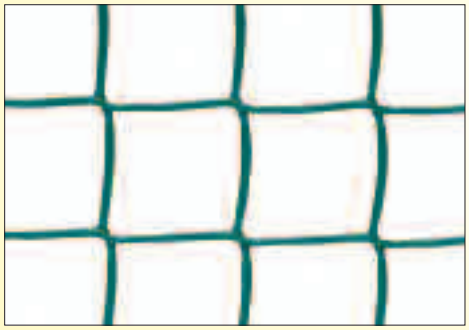


Size	Order Code RTL-523
1.0 x 50m	-5000K
2.0 x 50m	-5020K
Plastic Pegs (Pk of 10)	-5500K

Plastic Garden Fencing

Maintenance free and does not rot or rust, is strong and UV stabilised and is resistant to weed killers and fertilisers.
Can be cut to size.

Size: 1.0 x 10m.



Roll Size	Order Code RTL-523
1.0 x 10m	-5300K



HAND TOOLS

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KENNEDY Carpenter's Claw Hammers

Fibreglass Shaft
With textured slip resistant rubber grip. Shaft and grip combine to dampen the impact transmitted through to the user's hand and wrist. Reduces operator fatigue and the risk of RSI (Repetitive Strain Injury). The high strength of the shaft and head bond make the hammer virtually unbreakable.



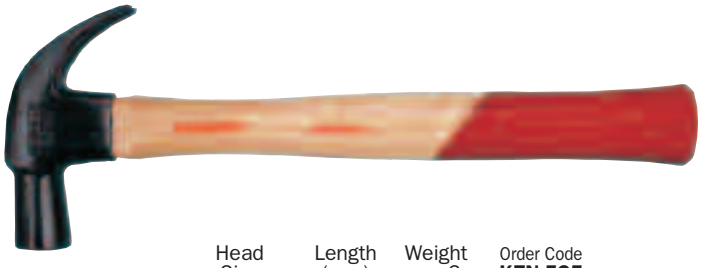
Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	330	4.80kg	-4460K
560g (20oz)	330	5.60kg	-4480K

Hardwood Shaft
With fine grain, forged steel head, hardened and tempered with polished face.



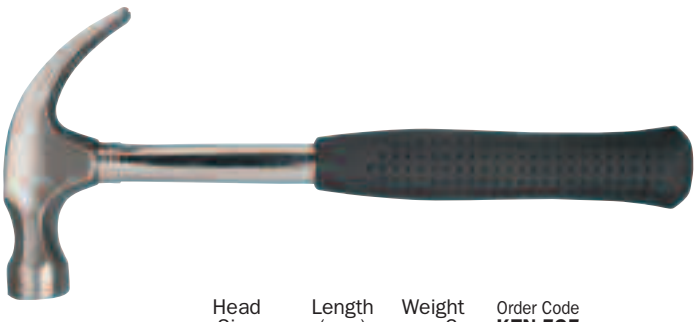
Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	335	4.20kg	-4060K
560g (20oz)	325	4.80kg	-4100K

Hickory Shaft
With fine grain, forged steel head, hardened and tempered with polished face.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	332	2.70kg	-4160K
560g (20oz)	350	4.80kg	-4200K
675g (24oz)	335	5.20kg	-4240K

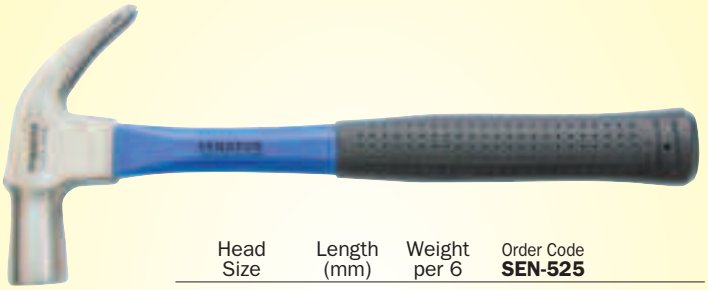
Tubular Steel Shaft
With textured slip resistant rubber grip. Dampens the impact transmitted through to the user's hand and wrist.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	325	5.30kg	-4360K
560g (20oz)	325	5.40kg	-4400K

SENATOR QUALITY TOOLING Industrial Claw Hammers

Fibreglass Shaft
Used for general purpose carpentry, particularly for driving and removing nails. With drop forged steel head and hardened and tempered face. Textured rubber grip handle.



Head Size	Length (mm)	Weight per 6	Order Code SEN-525
450g (16oz)	330	4.40kg	-4460K

Wood Shaft
Used for general purpose carpentry, particularly for driving and removing nails. With drop forged steel head and hardened and tempered faces.



Head Size	Length (mm)	Weight per 6	Order Code SEN-525
450g (16oz)	330	4.25kg	-4060K

Solid Steel Shaft
High strength all steel construction with slip resistant and shock absorbing textured rubber grip for improved user comfort and control.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	315	5.00kg	-4420K
560g (20oz)	315	8.30kg	-4430K

Machinist's Hammers

Machinists hammers suitable for use on metal. Manufactured to European **DIN 1041** standard.



Head Size	Length (mm)	Weight each	Order Code KEN-525
500g (17½oz)	320	583g	-7420K
800g (28oz)	350	984g	-7440K
1000g (35oz)	360	1227g	-7460K
1500g (53oz)	380	1850g	-7470K
2000g (70oz)	400	2400g	-7480K

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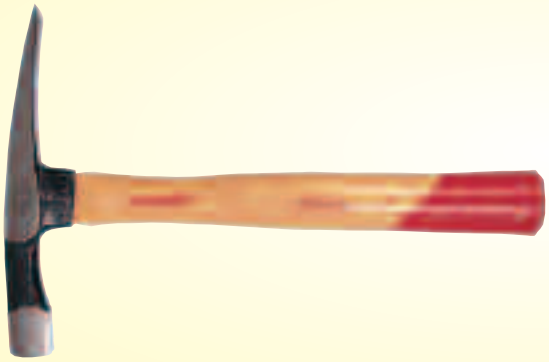
KENNEDY QUALITY INDUSTRIAL TOOLING Brick Hammers

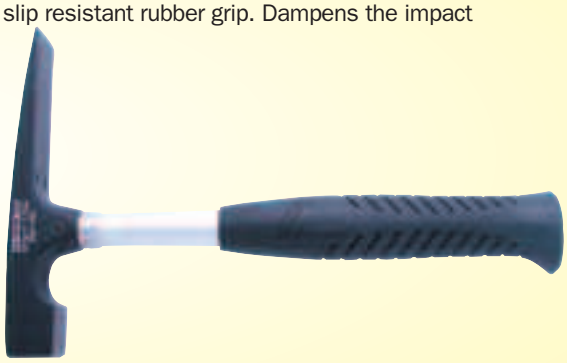
For setting, dressing and splitting bricks, tiles, concrete blocks, chipping mortar etc.

Standard Pattern Hickory Shaft
With fine grain and forged steel head.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
675g (24oz)	300	5.60kg	**-7060K**

Standard Pattern Tubular Steel Shaft
With textured slip resistant rubber grip. Dampens the impact transmitted through to the user's hand and wrist.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
560g (20oz)	290	6.40kg	**-7070K**

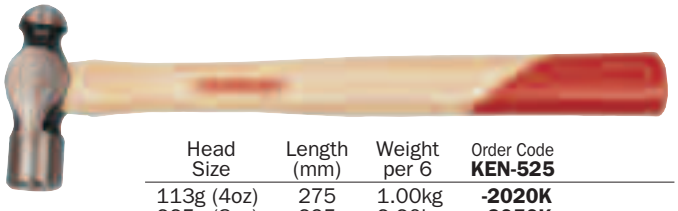
KENNEDY QUALITY INDUSTRIAL TOOLING Ball Pein Hammers

Fibreglass Shaft
With textured slip resistant rubber grip. Shaft and grip combine to dampen the impact transmitted through to the user's hand and wrist. Reduces operator fatigue and the risk of RSI (Repetitive Strain Injury).



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
225g (8oz)	275	3.20kg	**-3400K**
340g (12oz)	275	3.20kg	**-3430K**
450g (16oz)	350	3.80kg	**-3450K**
675g (24oz)	400	6.00kg	**-3470K**
900g (32oz)	400	7.20kg	**-3500K**

Hickory Shaft
With fine grain, forged steel head, hardened and tempered with polished faces.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
113g (4oz)	275	1.00kg	**-2020K**
225g (8oz)	295	2.20kg	**-2050K**
340g (12oz)	295	3.00kg	**-2070K**
450g (16oz)	350	3.80kg	**-2100K**
675g (24oz)	385	6.10kg	**-2150K**
900g (32oz)	395	7.20kg	**-2200K**
1125g (40oz)	400	8.30kg	**-2250K**

SENATOR QUALITY TOOLING Engineer's Ball Pein Hammers

Hickory Shaft
Manufactured from finest quality drop forged steel, hardened and tempered with ground and polished faces.

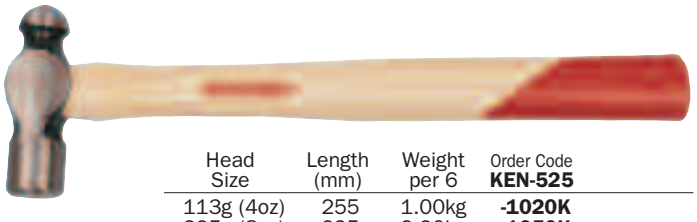


Head Size	Length (mm)	Weight per 6	Order Code SEN-525
225g (8oz)	300	2.05kg	**-2050K**
450g (16oz)	350	3.55kg	**-2100K**
675g (24oz)	400	6.00kg	**-2150K**
900g (32oz)	400	6.75kg	**-2200K**

Engineer's Ball Pein Hammers

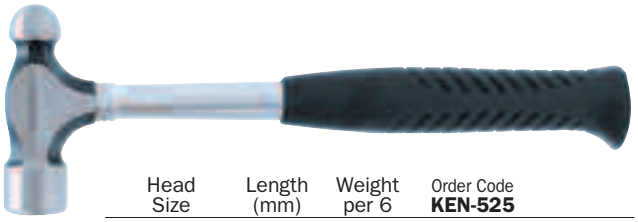
Ball pein hammers are manufactured from high-grade drop forged steel fully heat-treated. Ideal for use with cold chisels, punches, rivets and for the shaping of metal. They are available with a hardwood, hickory, fibreglass or tubular steel shaft.

Hardwood Shaft
With fine grain, forged steel head, hardened and tempered with polished faces.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
113g (4oz)	255	1.00kg	**-1020K**
225g (8oz)	295	2.20kg	**-1050K**
340g (12oz)	295	2.90kg	**-1070K**
450g (16oz)	350	3.80kg	**-1100K**
675g (24oz)	395	5.90kg	**-1150K**
900g (32oz)	400	7.20kg	**-1200K**
1125g (40oz)	415	6.00kg	**-1250K**
1350g (48oz)	400	10.70kg	**-1300K**

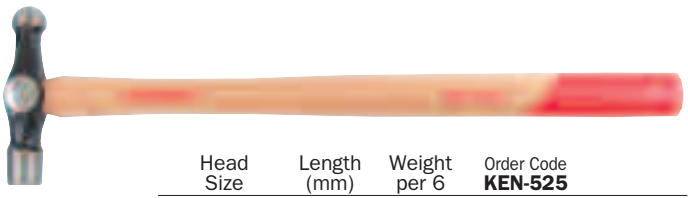
Tubular Steel Shaft
With textured slip resistant rubber grip. Dampens the impact transmitted through to the user's hand and wrist.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
450g (16oz)	320	4.60kg	**-3650K**

Pin Ball Pein Hammer

Hickory Shaft
With fine grain, forged steel head, hardened and tempered with polished faces. For light applications.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
113g (4oz)	320	5.90kg	**-8050K**

HAND TOOLS

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KENNEDY Cross Pein Hammers

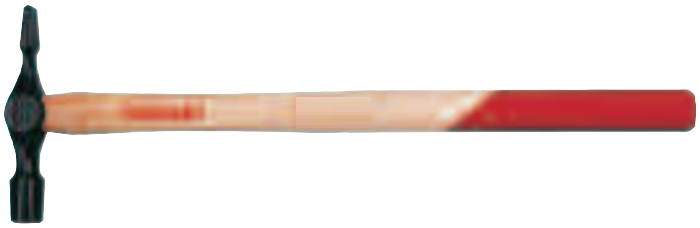
Cross pein hammers are traditionally used by joiners and fitters. Cross pein can be used for setting pins and nails prior to 'driving home' with the flat faced pein.

Hickory Shaft
Hardened and ground forged steel head with polished striking face securely fixed to a close grain hickory shaft. Shaped to fit comfortably in the hand. Tapered head, suitable for use with small pins helps reduce over-strike.



Head Size	Length (mm)	Weight per 12	Order Code KEN-525
100g (3½oz)	320	2.40kg	**-8030K**

'Pin' Hardwood Shaft
Hardened and ground forged steel head with polished striking face securely fixed to a close grain hardwood shaft. Shaped to fit comfortably in the hand. Tapered head, suitable for use with small pins helps reduce over-strike.



Head Size	Length (mm)	Weight per 12	Order Code KEN-525
100g (3½oz)	325	3.20kg	**-8040K**

Warrington Hardwood Shaft
Close grained hardwood shaft shaped to comfortably fit in the hand. Forged steel head with ground and polished striking face.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
225g (8oz)	280	1.30kg	**-8080K**
283g (10oz)	290	2.50kg	**-8100K**
340g (12oz)	300	3.00kg	**-8120K**
397g (14oz)	325	3.50kg	**-8140K**
450g (16oz)	330	4.10kg	**-8160K**

Magnetic Tack Hammers

Hickory Shaft
For holding and driving tacks.

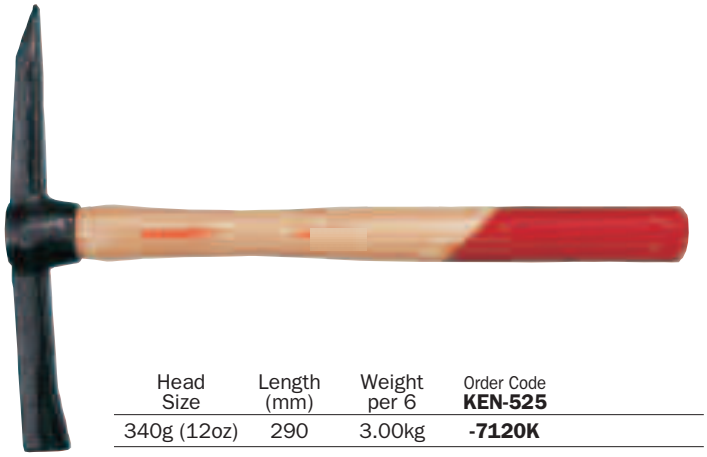


Hammer Type	Head Size	Length (mm)	Weight per 12	Order Code KEN-525
Tack	142g (5oz)	265	3.60kg	**-7500K**
Upholsterer	198g (7oz)	270	4.00kg	**-7550K**

Welder's Chipping Hammers

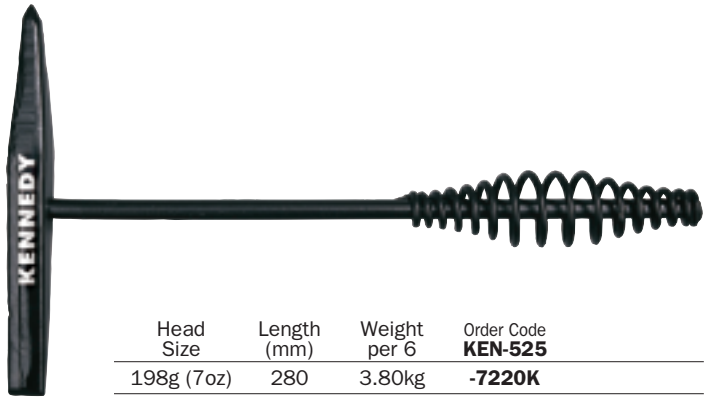
Scaling and chipping hammers.
For boiler scaling, weld dressing etc.

Hardwood Shaft
Manufactured from tempered and hardened steel, chisel and point striking faces with close grain hardwood handle.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
340g (12oz)	290	3.00kg	**-7120K**

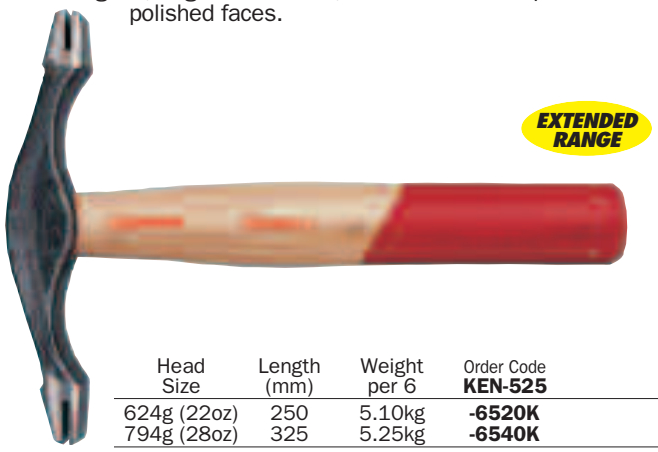
Spring Steel Shaft
Hardened and tempered steel head chisel edge and point striking faces with epoxy coating. Spring steel impact absorbing handle for user comfort.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
198g (7oz)	280	3.80kg	**-7220K**

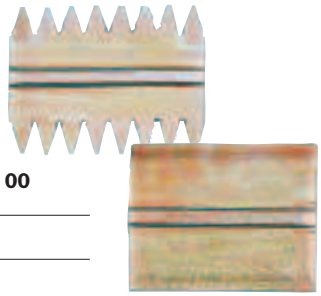
Scutch Hammer

Hickory Shaft
Double bit type. Suitable for dressing brick and stone work prior to rendering. Replaceable plain and comb style bits supplied separately. With fine grain, forged steel head, hardened and tempered with polished faces.



Head Size	Length (mm)	Weight per 6	Order Code KEN-525
624g (22oz)	250	5.10kg	**-6520K**
794g (28oz)	325	5.25kg	**-6540K**

Detachable Bits
For scutch chisels and hammers.



Comb Type	Width (mm)	Order Code KEN-505	00
Wide/Coarse	25	**-9130K**	
	38	**-9140K**	
Plain/Drove	25	**-9230K**	
	38	**-9240K**	

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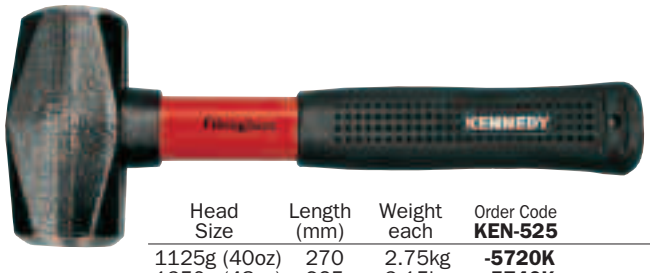
KENNEDY Club Hammers

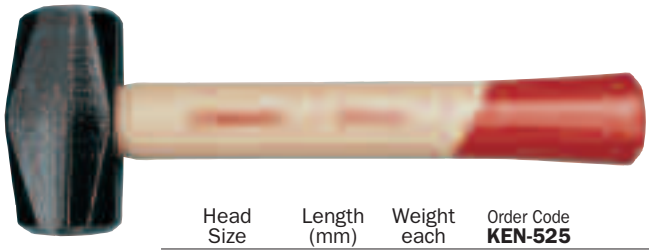
Club (or lump) hammers are fully forged and heat treated with flat face and chamfered edge for use with cold chisels, brick bolsters, star drills and masonry nails.

Fibreglass Shaft
With textured slip resistant rubber grip. Shaft and grip combine to dampen the impact transmitted through to the user's hand and wrist. Reduces operator fatigue and the risk of repetitive strain injury (RSI).



Head Size	Length (mm)	Weight each	Order Code KEN-525
1125g (40oz)	270	2.75kg	**-5720K**
1350g (48oz)	265	3.15kg	**-5740K**
1800g (64oz)	270	4.00kg	**-5760K**

Hickory Shaft
With fine grain, forged steel head, hardened and tempered with polished faces.



Head Size	Length (mm)	Weight each	Order Code KEN-525
1125g (40oz)	330	2.40kg	**-5250K**
1350g (48oz)	265	2.75kg	**-5300K**
1800g (64oz)	265	3.60kg	**-5400K**

Sledge Hammers

Double faced sledge hammers are fully forged and heat-treated. Ideal for use on spikes, stakes, cold chisels and hardened nails. They are available with a hickory or fibreglass shaft.

Fibreglass Shaft
(BS 876 Sledge Hammers)
Dampens the impact transmitted to the user's hand and wrist. Tested to the requirements of **BS 876: 1981** (head stamped **BS 876)**.



Head Size	Length (mm)	Weight each	Order Code KEN-525
1814g (64oz)	350	2.20kg	**-5840K**
3175g (112oz)	900	3.80kg	**-6180K**
4536g (160oz)	910	5.30kg	**-6190K**
6350g (224oz)	910	7.40kg	**-6200K**

Hickory Shaft
With fine grain, forged steel head, hardened and tempered with polished faces.

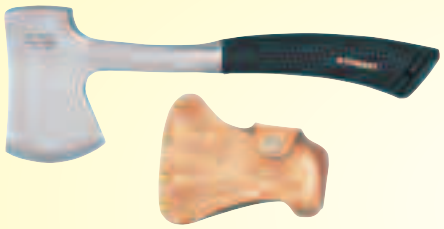


Head Size	Length (mm)	Weight each	Order Code KEN-525
1814g (64oz)	350	2.10kg	**-5940K**
3175g (112oz)	900	3.80kg	**-6070K**
4536g (160oz)	900	5.40kg	**-6100K**
6350g (224oz)	900	7.30kg	**-6140K**

KENNEDY Camp Axe

One piece solid steel shaft with rubber grip. Supplied with protective head cover.

Overall length: 345mm.



Head Size	Weight per 6	Order Code KEN-525
566g (20oz)	6.20kg	**-9090K**

Chopping Axe

Heat treated tubular steel shaft with rubber grip. Drop forged polished and lacquered head. Supplied with protective head cover. Belt slits in head cover offer hands free storage whilst in transit.

Overall length: 335mm.

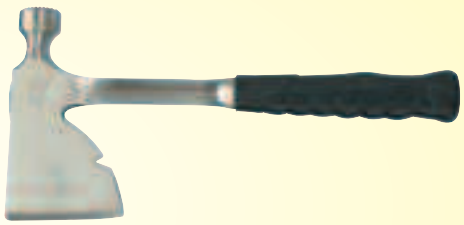


Head Size	Weight per 6	Order Code KEN-525
453g (16oz)	5.40kg	**-9110K**

Riggers Hatchet

One piece solid steel shaft with rubber grip. With a sharp cutting edge and chequered face.

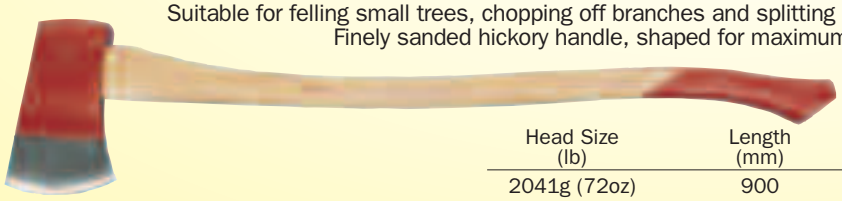
Overall length: 430mm.



Head Size	Weight per 6	Order Code KEN-525
795g (28oz)	7.20kg	**-9140K**

Felling Axe

Suitable for felling small trees, chopping off branches and splitting logs. High quality tool steel blade, polished and lacquered. Finely sanded hickory handle, shaped for maximum user comfort. Part painted head and handle for durability. 900mm hickory shaft. 2½" x ¾" eye.



Head Size (lb)	Length (mm)	Weight per 6	Order Code KEN-525
2041g (72oz)	900	23.0kg	**-9130K**

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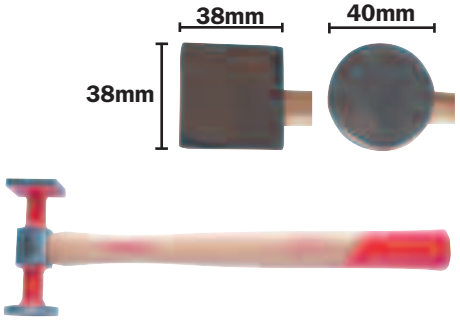
KENNEDY Bumping Hammers

Highly polished striking heads and cheeks. One square and one round face. The most popular general purpose panel beating hammer. Hickory shaft.
Manufactured to **BS 4114**.

Flat Faced
For straightening thicker gauge metals where a reasonable striking force is needed.

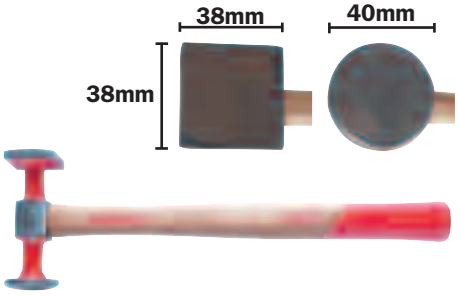
Length:
325mm.



Head Size	Weight Per 6	Order Code KEN-525
340g (12oz)	2.60kg	**-7250K**

Crown Faced
As above but with crowned face.

Length:
325mm.

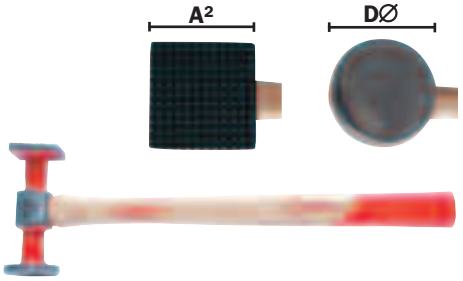


Head Size	Weight Per 6	Order Code KEN-525
340g (12oz)	2.60kg	**-7260K**

Shrinking Hammers

Highly polished striking heads and cheeks. One flat round face and one milled, serrated square face. Hickory shaft. Manufactured to **BS 4114**. Specially designed for panel beating on slightly stretched areas of metal. The cross milled face forces small amounts of metal into the spaces created.

Sizes: 325mm (except -7300K = 345mm).



Head Size	L (mm)	A² x Dia (mm)	Order Code KEN-525
320g (11⅓oz)	100	37 x 40	**-7280K**
390g (13¾oz)	95	35 x 40	**-7290K**
450g (16oz)	110	40 x 48	**-7300K**

Finishing Picks

Highly polished striking heads and cheeks. With crowned faces. Will remove low spots when metal finishing. Hardwood shaft and finishing beater. Manufactured to **BS 4114**.

Curved Pein Panel Beater
Medium weight for general use where access is difficult.

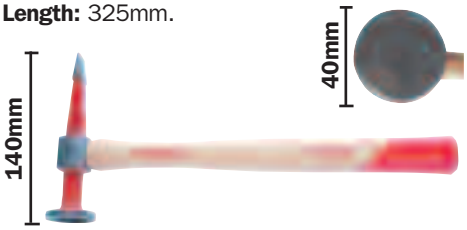
Length: 325mm.



Head Size	Weight Per 6	Order Code KEN-525
284g (10oz)	2.70kg	**-7320K**

Straight Pein and Finishing Panel Beater
Medium weight for general use.

Length: 325mm.



Head Size	Weight Per 6	Order Code KEN-525
284g (10oz)	2.70kg	**-7330K**

Round Pick and Finishing Panel Beater
Medium weight with crowned face designed to remove high spots. Hickory shaft.

Length: 325mm.

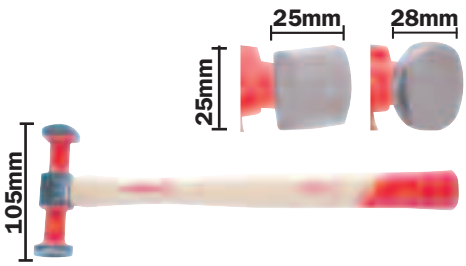


Head Size	Weight Per 6	Order Code KEN-525
255g (9oz)	2.40kg	**-7340K**

Reverse Curve Finishing Hammer

Highly polished striking heads and cheeks. The high crowned radius faces have a convex surface suitable for work on concave and recessed panels. The short head is ideal for use in confined areas.
Hardwood shaft.

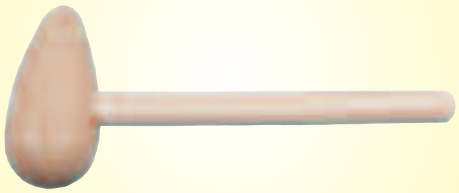
Length: 325mm.



Head Size	Weight Per 6	Order Code KEN-525
320g (11⅓oz)	2.30kg	**-7310K**

KENNEDY Bossing Mallets

Delivers the necessary blow to shape sheet metal and still made to the exacting standards.



Head Dia. (mm)	Weight each	Order Code KEN-549
40 (1½")	130g	**-2500K**
50 (2")	370g	**-2520K**
75 (3")	452g	**-2560K**

THOR HAMMER Plastic Mallets

Ultra high molecular weight polythene mallet heads, suitable for high impact applications. With solid wooden shafts.

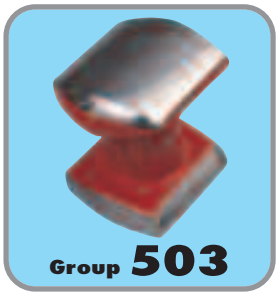
Tinmens - Cylindrical



Bossing - Pear Shaped



Product Number	Face Dia. (mm)	Weight each	Order Code THO-527
		Tinmens - Cylindrical	
23-8112	40	180g	**-0370A**
23-8114	45	240g	**-0371C**
23-8116	50	325g	**-0372E**
23-8119	60	490g	**-0373G**
23-8122	70	650g	**-0374J**
23-8126	80	950g	**-0375L**
		Bossing - Pear Shaped	
23-8898SP	50	200g	**-0378S**
23-8899SP	60	290g	**-0379V**
23-8900SP	70	420g	**-0380B**



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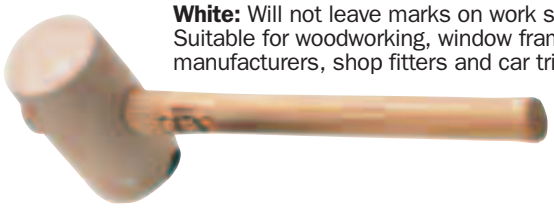
THOR HAMMER Rubber Mallets



Standard: All purpose mallet used widely for automotive, industrial, DIY and camping etc.

Product Code	Face (mm)	Length (mm)	Weight each	Order Code THO-527
61-951	40	265	150g	-0430N
61-952	54	315	325g	-0431P
61-953	64	340	525g	-0432Q
61-954	74	380	600g	-0433R
61-957	90	380	900g	-0434S

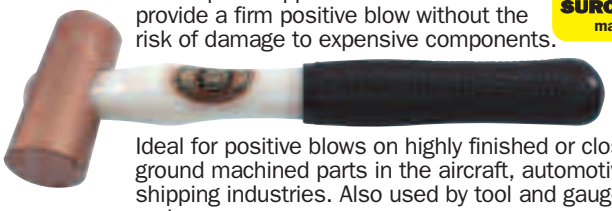


White: Will not leave marks on work surfaces. Suitable for woodworking, window frame manufacturers, shop fitters and car trim etc.

Product Code	Face (mm)	Length (mm)	Weight each	Order Code THO-527
61-952W	54	315	300g	-0446E
61-953W	64	315	300g	-0448G
61-954W	74	380	725g	-0450J
61-957W	90	380	1125g	-0452L

Solid Copper Mallet

Due to the fluctuating price of COPPER, SURCHARGES may apply

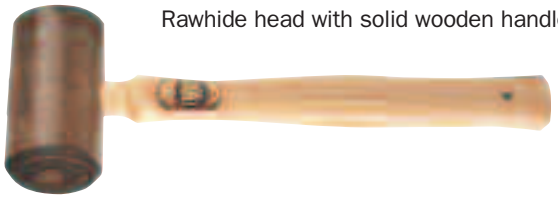


99.9% pure copper. These mallets provide a firm positive blow without the risk of damage to expensive components.

Ideal for positive blows on highly finished or closely ground machined parts in the aircraft, automotive or shipping industries. Also used by tool and gauge makers.

Product Code	Face (mm)	Length (mm)	Weight each	Order Code THO-527
Tack	50	290	930g	-0479L

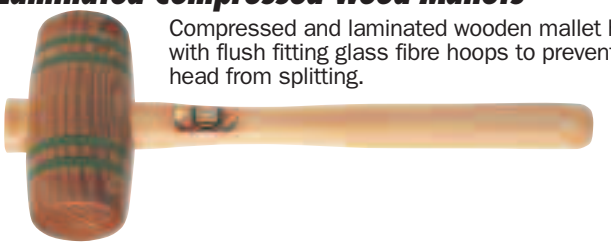
Rawhide Mallets



Rawhide head with solid wooden handle.

Product Code	Face (mm)	Length (mm)	Weight each	Order Code THO-527
02-108	25	250	60g	-0130G
02-110	32	250	115g	-0131H
02-112	38	280	170g	-0132J
02-114	44	305	225g	-0133K
02-116	50	305	340g	-0134L
02-120	63	340	570g	-0135M
02-122	70	340	680g	-0136N

Laminated Compressed Wood Mallets



Compressed and laminated wooden mallet head with flush fitting glass fibre hoops to prevent the head from splitting.

Model Code	Face (mm)	Length (mm)	Weight each	Order Code THO-527
62-8050	48	290	300g	-0341B
62-8060	58	320	525g	-0342C
62-8070	67	360	750g	-0343D

KENNEDY Rubber Mallets



Soft faced for use where steel hammers would mark the surface. Provide a gentle but firm blow with little rebound. Solid hickory shafts.

All purpose mallet used widely for automotive, industrial, DIY and camping etc.

Face (mm)	Head Size	Length (mm)	Weight Per 6	Order Code KEN-525
42	225g (8oz)	280	1.80kg	-9120K
55	450g (16oz)	315	3.30kg	-9160K
65	675g (24oz)	300	4.80kg	-9180K

SENATOR QUALITY TOOLING Rubber Mallet

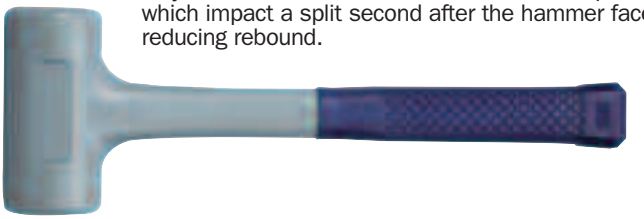


Soft faced for use where steel hammers would mark the surface. Provide a gentle but firm blow with little rebound. Solid wooden shafts.

All purpose mallet used widely for maintenance, DIY and camping etc.

Face (mm)	Head Size	Length (mm)	Weight Per 6	Order Code SEN-525
55	450g (16oz)	300	3.10kg	-9160K

DeadBlow™ Hammer

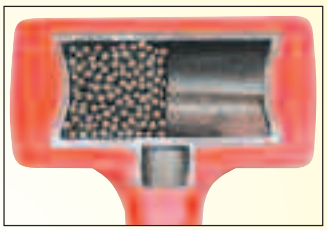


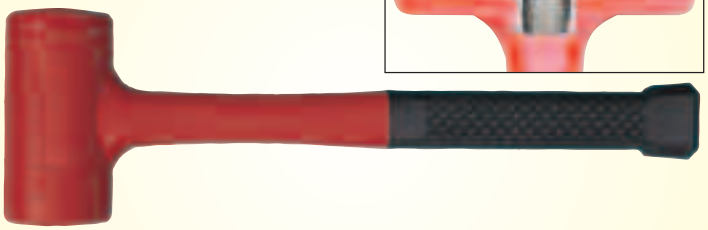
Polyurethane. Inside hammer head are steel pellets which impact a split second after the hammer face, reducing rebound.

Face (mm)	Head Size	Length (mm)	Weight Per 6	Order Code SEN-525
50	794g (28oz)	320	4.75kg	-9460K

SAFEBLOWER SafeBlower™ Hammers

With solid steel bar shaft and hollow head.
Inside the polyurethane moulded hammer head are thousands of steel pellets which impact a split second after the hammer face, reducing rebound whilst also adding to the force of the blow.





Face (mm)	Head Size	Length (mm)	Weight each	Order Code KEN-525
33	397g (14oz)	280	0.45kg	-9420K
43	560g (20oz)	300	0.60kg	-9440K
48	794g (28oz)	350	0.80kg	-9460K
53	1077g (38oz)	350	1.00kg	-9480K
68	1276g (45oz)	375	1.25kg	-9500K

2 Piece SafeBlower Set

Number of Pieces	Contents	Weight each	Order Code KEN-525
2	14 & 28oz	1.25kg	-9550K

HAND TOOLS

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KENNEDY PROFESSIONAL Nylon Faced Hammers

Hard nylon faced hammer with two screw-on all purpose striking faces for light and heavy duty applications.
Chrome plated head with a fully moulded polypropylene shaft with soft feel dual material grip.
Overall length: 305mm.





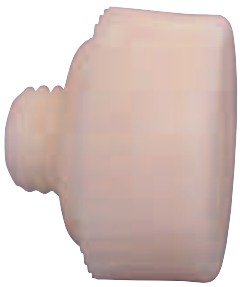


Face (mm)	Weight each	Order Code KEN-527
32	435g	-3040K
38	627g	-3060K
44	800g	-3080K
50	950g	-3100K

Replaceable Hard Nylon Hammer Faces

Replaceable hard nylon face with thread. All purpose face suitable light and heavy duty applications. To suit nylon faced hammers and safeblow hammers.





Face (mm)	Weight each	Order Code KEN-529
32	15g	-3040K
38	20g	-3060K
44	40g	-3080K
50	50g	-3100K

THOR HAMMER Thorex Nylon Faced Hammers

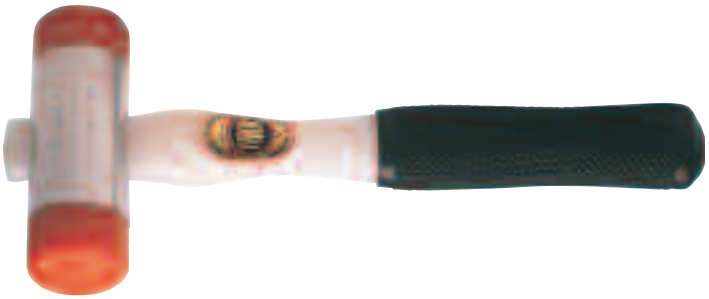
Chrome plated head with two screw on nylon striking faces.



Product Number	Face (mm)	Length (mm)	Weight each	Order Code THO-527
Wooden Handle				
12-708N	25	250	250g	-0320N
12-710N	32	270	450g	-0321P
12-712N	38	270	675g	-0322Q
12-714N	44	310	900g	-0323R
12-716N	50	325	1250g	-0324S
12-720N	63	355	1700g	-0325T
Plastic Handle				
11-710	32	300	450g	-0203D
11-712	38	310	675g	-0205F
11-714	44	310	900g	-0207H
11-716	50	350	1020g	-0208S

Thorex Plastic Faced Hammers

Chrome plated head with two screw on medium hardness plastic striking faces. Polyurethane shaft with non-slip textured PVC grip. Available with a nylon handle with a non-slip textured PVC grip or a wooden handle.



Product Number	Face (mm)	Length (mm)	Weight each	Order Code THO-527
Wooden Handle				
07-406	19	250	150g	-0200A
07-408	25	250	250g	-0201B
Plastic Handle				
07-410	32	280	450g	-0202C
07-412	38	290	675g	-0204E
07-414	44	305	900g	-0206G
07-416	50	305	1250g	-0208J

Spare Striking Faces

For the Thorex nylon faced hammers. Easy to change, simply screw in. The striking faces are colour coded to allow easy identification of material type and hardness.
Orange: polyurethane plastic medium hardness shore D45-55.
Yellow - extra hard: ABS Rockwell R103: extra hard faces for specialist applications only e.g. setting copper armatures.



Product Number	Face (mm)	Weight Per 10	Order Code THO-529
Orange - Medium Hard			
73-406PF	19	40g	-0215K
73-408PF	25	70g	-0217M
73-410PF	32	168g	-0220Q
73-412PF	38	265g	-0223T
73-414PF	44	405g	-0226X
73-416PF	50	572g	-0230A
Yellow - Extra Hard			
73-408AF	25	72g	-0216L
73-410AF	32	170g	-0219P

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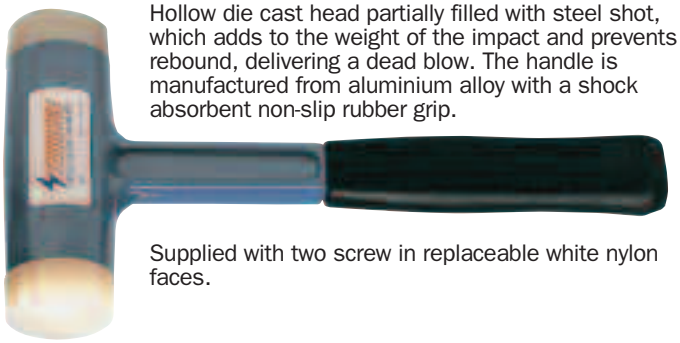
THOR HAMMER Thorace Dead Blow Hammers



Hollow die cast head partially filled with steel shot, which adds to the weight of the impact and prevents rebound, delivering a dead blow. The handle is manufactured from aluminium alloy with a shock absorbent non-slip rubber grip.

Supplied with two screw in replaceable white nylon faces.

Product Number	Face (mm)	Length (mm)	Weight each	Order Code THO-527
20-1010	32	275	525g	**-0455M**
20-1212	38	305	750g	**-0456N**
20-1414	44	310	950g	**-0457P**
20-1616	50	325	1250g	**-0458Q**
20-2020	63	370	2000g	**-0459R**

Spare Striking Faces

For the Thorex nylon faced and Thorace hammers. Easy to change, simply screw in. The striking faces are colour coded to allow easy identification of material type and hardness.



Grey: Soft PVC shore A63-73. Will not mark finished surfaces.

Red: Polyurethane medium plastic shore D45-55. For light hammering applications.

Brown: Tough polyurethane shore D58-62. Abrasive resistant suitable for striking sharp surfaces.

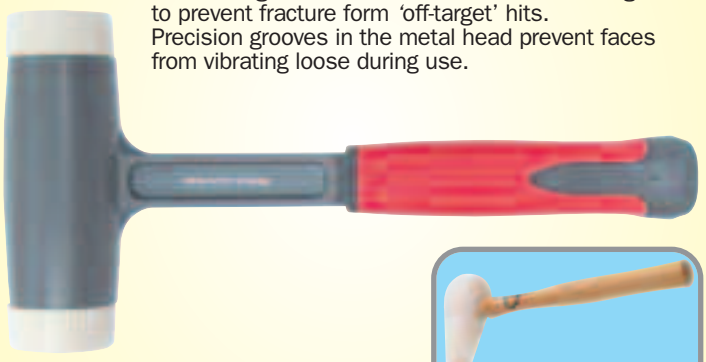
White: Hard nylon shore D61-65. All purpose face suitable for light and heavy duty applications.

Yellow: ABS extra hard rockwell R103. For specialist applications.

Product Number	Face (mm)	Weight per 10	Order Code THO-529
Grey - Soft PVC			
76-708VF	25	195g	**-0380M**
76-710VF	32	246g	**-0381N**
76-712VF	38	352g	**-0382P**
76-714VF	44	540g	**-0383Q**
76-716VF	50	734g	**-0384R**
Red - Medium Plastic			
76-708PF	25	128g	**-0340K**
76-710PF	32	165g	**-0340M**
76-712PF	38	244g	**-0340P**
76-714PF	44	368g	**-0340R**
76-716PF	50	498g	**-0340X**
Brown - Polyurethane			
76-710TF	32	220g	**-0361B**
76-712TF	38	322g	**-0362C**
76-714TF	44	494g	**-0363D**
76-716TF	50	658g	**-0364E**
76-720TF	60	880g	**-0365F**
White - Hard Nylon			
76-708NF	25	170g	**-0335A**
76-710NF	32	184g	**-0336B**
76-712NF	38	275g	**-0337C**
76-714NF	44	420g	**-0338D**
76-716NF	50	540g	**-0339E**
76-720NF	63	680g	**-0340F**
Yellow - Extra Hard Nylon			
76-710AF	32	193g	**-0321B**
76-712AF	38	281g	**-0322C**
76-714AF	44	398g	**-0323D**
76-716AF	50	524g	**-0324E**

KENNEDY PROFESSIONAL Nylon Faced Safe Blow Hammers

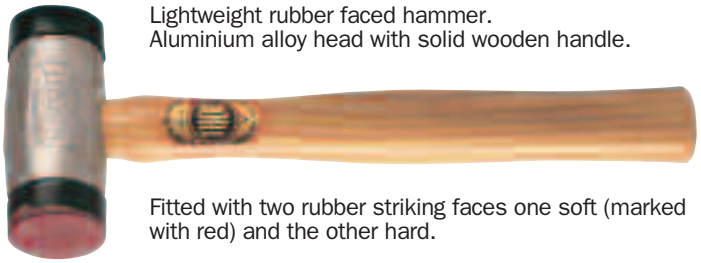
Hard nylon faced hammer with 2 screw-on all purpose striking faces which can easily be replaced manually without the use of any other tools - minimising downtime.
Hollow chrome plated zinc head partially filled with steel pellets which impact a split second after the hammer face, reducing rebound, fitted with a fully moulded polypropylene shaft with soft feel dual material grip. There are no metal parts in the striking faces which could mar the workpiece as the head wears down.
The striking faces are reinforced for extra strength and to prevent fracture form 'off-target' hits.
Precision grooves in the metal head prevent faces from vibrating loose during use.



See Page 402

Face (mm)	Overall Length	Order Code KEN-527
32	340mm	**-2040K**
38	340mm	**-2060K**
44	340mm	**-2080K**
50	340mm	**-2100K**

Junior Thorlite Rubber Hammer



Lightweight rubber faced hammer.
Aluminium alloy head with solid wooden handle.

Fitted with two rubber striking faces one soft (marked with red) and the other hard.

Product Number	Face (mm)	Length (mm)	Weight each	Order Code THO-527
09-J612	40	280	320g	**-0550D**

Spare Striking Faces for the Junior Thorlite Hammer

Product Number	Face (mm)	Weight Per 10	Order Code THO-529
75-612HF	40	350g	**-0280P**
75-612SF	40	412g	**-0282R**

Shaped Rubber Head Hammer Set

Five piece set contents: aluminium alloy hammer head with self locking wooden handle and four shaped rubber striking faces, flat, dome, cone and wedge.



Product Number	Face (mm)	Length (mm)	Weight each	Order Code THO-527
09-616	50	305	560g	**-0276K**

HAND TOOLS

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THOR HAMMER Soft Faced Hammers

A safer alternative for striking machined surfaces than conventional steel hammers. The impact resistant striking faces shape themselves to the component being struck, minimising rebound damage to the component and reducing noise pollution in the workplace. The striking faces can be easily replaced once they have become worn. Available as standard, with a choice of five interchangeable face types.

Rawhide Faced Hammers

Head manufactured from malleable iron fitted with two rawhide striking faces and solid wooden handle. Rawhide manufactured from genuine water buffalo hide, tightly coiled and pressed three times under powerful hydraulic presses to ensure uniform quality and maximum durability.

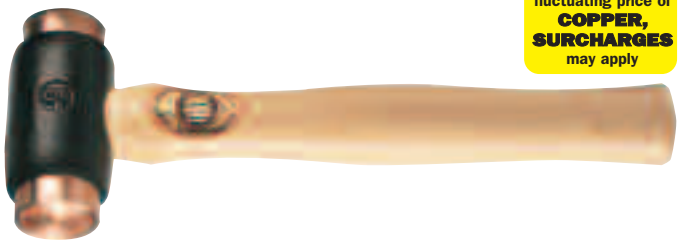


Product Number	Size Ref.	Face (mm)	Length (mm)	Weight each	Order Code THO-527
01-008	A	25	230	340g	**-0100A**
01-010	1	32	280	600g	**-0101B**
01-012	2	38	305	825g	**-0102C**
01-014	3	44	305	1300g	**-0103D**
01-016	4	50	355	2000g	**-0104E**
01-022	5	70	405	3150g	**-0105F**
01-022	5	70	900	3150g	**-0106G**

Copper Faced Hammers

Malleable iron head with two pure electrolytic copper faces, for high impact blows. Solid wooden handle.

Due to the fluctuating price of **COPPER, SURCHARGES** may apply



Product Number	Size Ref.	Face (mm)	Length (mm)	Weight each	Order Code THO-527
04-308	A	25	230	475g	**-0160G**
04-310	1	32	280	850g	**-0161H**
04-312	2	38	305	1300g	**-0162J**
04-314	3	44	305	1975g	**-0163K**
04-316	4	50	355	2950g	**-0164L**
04-316WT	4	50	355	2950g	**-0164T**
04-317	4	50	760	3350g	**-0165M**
04-322	5	70	915	6350g	**-0167P**

Dual Purpose Rawhide and Copper Faced Hammers

Malleable iron head with solid wooden handle. The pure electrolytic copper striking face provides a safe high impact blow whilst the rawhide face gives a firm resilient blow that will not mark finished work.

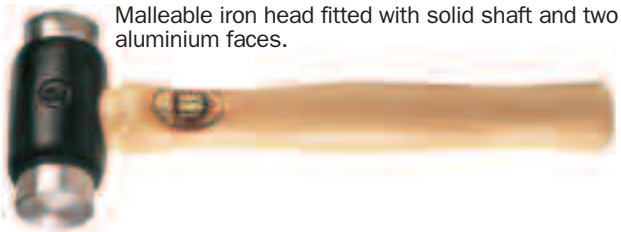
Due to the fluctuating price of **COPPER, SURCHARGES** may apply



Product Number	Size Ref.	Face (mm)	Length (mm)	Weight each	Order Code THO-527
03-208	A	25	230	400g	**-0150A**
03-210	1	32	280	725g	**-0151B**
03-212	2	38	305	1070g	**-0152C**
03-214	3	44	305	1650g	**-0153D**
03-216	4	50	355	2500g	**-0154E**
03-222	5	70	915	5150g	**-0155F**

Aluminium Faced Hammers

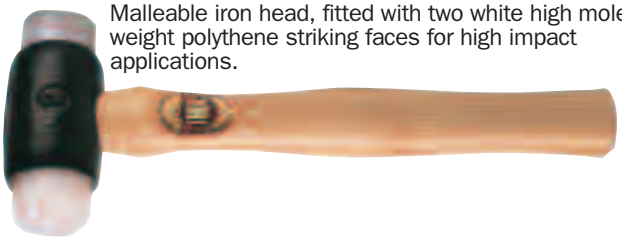
Malleable iron head fitted with solid shaft and two ductile aluminium faces.



Product Number	Size Ref.	Face (mm)	Length (mm)	Weight each	Order Code THO-527
05-A308	A	25	230	340g	**-0500A**
05-A310	1	32	280	660g	**-0501B**
05-A312	2	38	305	950g	**-0502C**
05-A314	3	44	305	1440g	**-0503D**
05-A316	4	50	355	2200g	**-0504E**

Plastic Faced Hammers

Malleable iron head, fitted with two white high molecular weight polythene striking faces for high impact applications.

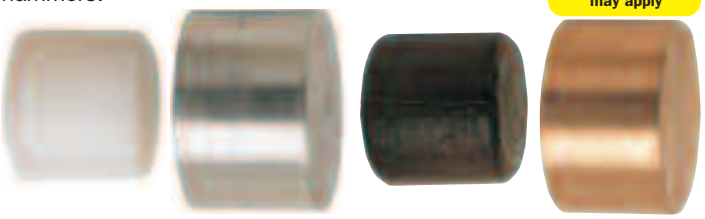


Product Number	Size Ref.	Face (mm)	Length (mm)	Weight each	Order Code THO-527
18-908	A	25	220	470g	**-0400A**
18-910	1	32	280	600g	**-0401B**
18-912	2	38	305	790g	**-0402C**
18-914	3	44	310	1700g	**-0403D**
18-916	4	50	355	2000g	**-0404E**
18-922	5	70	405	3000g	**-0405F**

Spare Striking Faces

For malleable iron head hammers and split head hammers.

Due to the fluctuating price of **COPPER, SURCHARGES** may apply



Product Number	Size Ref.	Face (mm)	Weight each	Order Code THO-529
		Rawhide		
70-8R	A	25	18g	**-0115A**
70-10R	1	32	36g	**-0116B**
70-12R	2	38	54g	**-0117C**
70-14R	3	44	73g	**-0118D**
70-16R	4	50	97g	**-0119E**
70-22R	5	70	203g	**-0120F**
		Copper		
71-308C	A	25	86g	**-0171N**
71-310C	1	32	145g	**-0172P**
71-312C	2	38	241g	**-0173Q**
71-314C	3	44	352g	**-0174R**
71-316C	4	50	540g	**-0175S**
71-322C	5	70	1283g	**-0176T**
		Aluminium		
71-310AF	1	32	47g	**-0141E**
		Plastic		
77-908SPF	A	25	15g	**-0411G**
77-910SPF	1	32	20g	**-0412H**
77-912SPF	2	38	38g	**-0413J**
77-914SPF	3	44	47g	**-0414K**
77-916SPF	4	50	74g	**-0415L**
77-922SPF	5	70	146g	**-0416M**
		Nylon		
76-125NF	1	32	20g	**-0125L**
76-150NF	2	38	32g	**-0126M**
76-175NF	3	44	47g	**-0127N**
76-200NF	4	50	63g	**-0128P**
76-275NF	5	70	138g	**-0129R**

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SITESAFE Pick Axe Handles

Manufactured to **BS 3823**.
Overall length: 950mm (36").

S71440 - Economy
Made from genuine hickory with a waxed finish.

S71410 - Hickory
Handle to fit standard pick axe or mattock eye. Hickory shaft fitted with a plastic head designed for increased grip in the eye of the pick axe or mattock head once fitted.



Product Number	Shaft Type	Order Code SSF-522
S71440	Economy	-6511B
S71410	Hickory	-6512C

KENNEDY QUALITY INDUSTRIAL TOOLING Hammer Shafts

Made from genuine hickory with a waxed finish.
Manufactured to **BS 3823**.

Pick Axe - Hickory



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
920	8.5lb	950g	-3600K

Pick Axe - Economy



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
920	8.5lb	950g	-3610K

Standard



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
280	¼lb	30g	-0110K
305	½lb	35g	-0120K
330	1lb	135g	-0130K
380	1½lb	230g	-0150K
405	2lb	250g	-0160K
455	3lb	320g	-0180K

Club



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
255	2½/4lb	170g	-1100K

Sledge



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
610	4lb	330g	-2240K
760	7lb	710g	-2300K
910	10/14lb	860g	-2360K

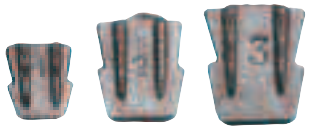
Claw



Length (mm)	For Head Weight	Weight each	Order Code KEN-530
330	13/16oz	190g	-3130K
355	20/24oz	200g	-3140K

Hammer Wedges

Manufactured from high grade steel.



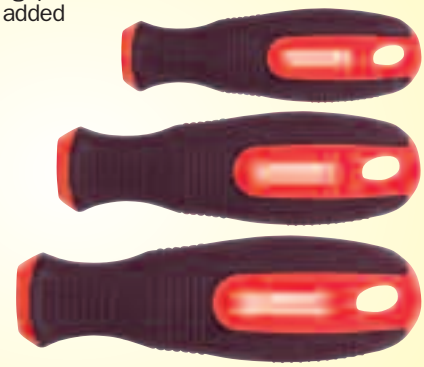
Wedge Size	For Head Weight	Weight Per 100	Order Code KEN-530
1	up to 12oz	210g	-4510K
2	14oz to 2½lb	430g	-4520K
3	3lb to 7lb	580g	-4530K
4	10lb to 28lb	770g	-4540K
5	Above 28lb	3500g	-4550K

KENNEDY PROFESSIONAL File Handles

Polypropylene file handles with integral hanging hole and covered with a ribbed rubber grip for increased purchase and added comfort.

Available in three sizes:
0, 1 and 2.

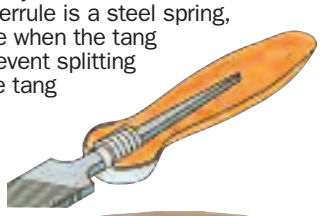




Size	Suitable File Length (mm)	Order Code KEN-531
No. 0	100 - 150	-5000K
No. 1	200 - 250	-5010K
No. 2	300 - 400	-5020K

Safety Wooden File Handles

A split file handle can cause a serious industrial accident. Kennedy safety handles are rapidly becoming standard equipment in workshops. Firmly secured inside each handle and covered by a ferrule is a steel spring, this combination absorbs the pressure when the tang of the file is driven into the handle, prevent splitting or cracking. Once properly inserted the tang of the file is held in a vice like grip that under normal use is virtually impossible to remove, unless the handle is deliberately broken.





Handle Length	Size	Suitable File Length	Weight each	Order Code KEN-531
75mm	0	4"	20g	-5730K
110mm	1	6" - 8"	45g	-5740K
125mm	2	10" - 12"	50g	-5750K
140mm	3	14" - 16"	70g	-5760K

Standard Wooden File Handles

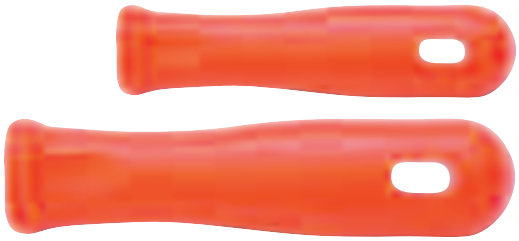
Suitable for traditionally tanged engineers' files. With steel ferrule.



Handle Length	Size	Suitable File Length	Weight each	Order Code KEN-531
75mm	-	4" - 6"	20g	-5300K
100mm	-	8"	25g	-5400K
125mm	-	10"	45g	-5500K
150mm	-	12" - 16"	60g	-5600K

Moulded Plastic File Handles

With contoured grip and hanging hole.



Handle Length	Size	Suitable File Length	Weight each	Order Code KEN-531
75mm	0	4" - 6"	10g	-5930K
90mm	1	8" - 10"	50g	-5940K
100mm	2	10" - 12"	80g	-5950K

HAND TOOLS

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KENNEDY PROFESSIONAL Decorator's Scrapers

For scraping paint and varnish off wood. High carbon steel double edged blade. Convex edges to reduce surface damage. Bi-material comfort grip. Supplied with a two or four edge blade.



The replacement blades are one piece - two or four edged and be changed by unscrewing from the handle and rotating to a new edge.

Type	Blade width	Order Code KEN-533
Two Edge	38mm	-1600K
Four Edge	65mm	-1620K
Replacement Blades		
For Two Edge	38mm	-1660K
For Four Edge	65mm	-1680K

Bi-material Window Scraper NEW

Suitable for scraping paint from glass, this tool has an ergonomic, bi-material design to provide users with a comfortable non-slip grip. Blade storage in handle.



Overall Length (mm)	Weight each	Order Code KEN-533
245	50g	-1100K
Blades (Pk 10)		KEN-537-7560K

SENATOR QUALITY TOOLING President Decorator's Tools

High carbon, clear lacquered steel blades with quality wooden handles and half tang fixing. Suitable for general duty and household use.

Scrapers (Half Tang)



Blade Length x Width (mm)	Weight per 12	Order Code SEN-533
100 x 140	1.50kg	-1700K
100 x 100	1.20kg	-1720K
90 x 75	1.10kg	-1740K
115 x 65	1.00kg	-1760K
90 x 50	0.90kg	-1780K
80 x 35	0.80kg	-1800K

Filling Knives (Half Tang)



Blade Length x Width (mm)	Weight per 12	Order Code SEN-533
100 x 140	1.30kg	-1500K
100 x 100	1.10kg	-1520K
100 x 80	1.00kg	-1540K
115 x 65	0.95kg	-1560K
90 x 50	0.85kg	-1580K
85 x 35	0.75kg	-1600K

KENNEDY Short & Long Handled Wall Scrapers

Wall scrapers that help remove wallcoverings, paint, floor and wall tiles more easily. The blunt side of the blade is useful for stripping off paint, removing wallcoverings and tiles, whilst the sharp edge will easily remove paint from glass. Blades are easily changed and replaced.



Type	Overall length	Weight each	Order Code KEN-533
Short	200mm	140g	-0580K
Long	315mm	160g	-0600K
100mm Scraper Blades (Pk 10)		65g	-0620K

Comfort Grip Scrapers (Scale Tang)

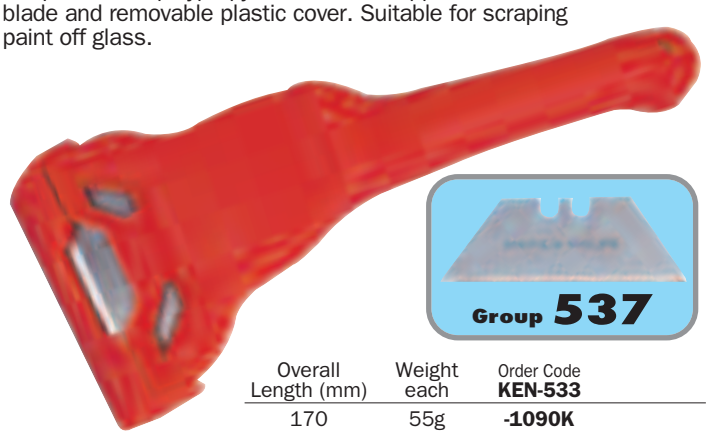
Heavy duty, with scale tangs, tempered flexible steel blades and bi-material comfort grips.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
125 x 25	1.20kg	-5410K
125 x 50	1.40kg	-5420K
150 x 75	1.50kg	-5430K

Window Scraper

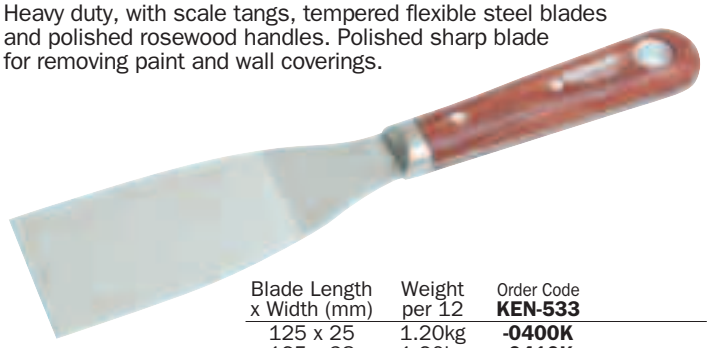
Snap resistant polypropylene handle. Supplied with hardened steel blade and removable plastic cover. Suitable for scraping paint off glass.



Overall Length (mm)	Weight each	Order Code KEN-533
170	55g	-1090K

Scrapers (Scale Tang)

Heavy duty, with scale tangs, tempered flexible steel blades and polished rosewood handles. Polished sharp blade for removing paint and wall coverings.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
125 x 25	1.20kg	-0400K
125 x 38	1.20kg	-0410K
125 x 50	1.40kg	-0450K
125 x 63	1.45kg	-0490K
125 x 75	1.50kg	-0530K
150 x 100	1.60kg	-0570K

Filling Knives (Scale Tang)

Heavy duty, with scale tangs, tempered flexible steel blades and polished rosewood handles. For applying and smoothing filler to cracks and holes.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
125 x 50	1.30kg	-0650K
150 x 75	1.35kg	-0680K

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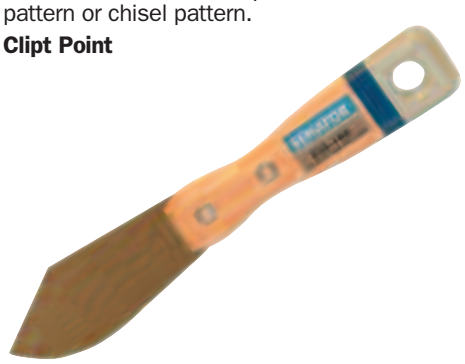
SENATOR QUALITY TOOLING Putty Knives

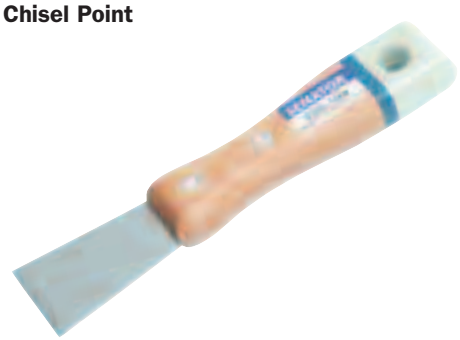
Half Tang
Available in traditional clipt pattern or chisel pattern.

Clipt Point



Blade Length x Width (mm)	Weight per 12	Order Code SEN-533
90 x 38 Clipt	0.80kg	-1860K

Chisel Point



Blade Length x Width (mm)	Weight per 12	Order Code SEN-533
57 x 38 Chisel	0.70kg	-1840K

Shave Hook

High carbon, clear lacquered steel blade with quality wooden handles and half tang fixing. Suitable for general duty and household use. Used for removing paint from flat, concave and convex mouldings.



Overall Length	Weight per 12	Order Code SEN-533
200mm	1.30kg	-1900K

Seam Roller

Plastic head.



Overall Length x Wheel Width	Weight per 12	Order Code SEN-533
180 x 38mm	0.60kg	-1920K

KENNEDY QUALITY INDUSTRIAL TOOLING Putty Knives

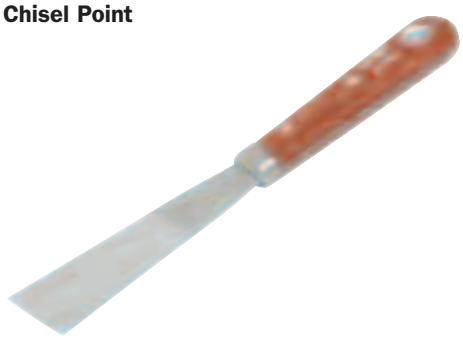
Scale Tang
Heavy duty, with scale tang, tempered flexible steel blade and polished rosewood handle. Traditional pattern glazier tool.

Clipt Point



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
115 x 38	1.20kg	-0860K

Chisel Point



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
115 x 38	1.20kg	-0960K

Combi Shave Hook

Heavy duty blade and quality wooden handle. For removing paint from flat, concave and convex mouldings.



Overall Length	Weight per 6	Order Code KEN-533
180mm	2.70kg	-1070K

Clipt Shoe Knife

Scale Tang
With heavy duty blade and quality wooden handle. General purpose cutting knife for many different applications.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
100 x 25	870g	-1000K

Comfort Grip Putty Knife

Scale Tang
Heavy duty, with scale tang, tempered flexible steel blade and bi material comfort grips.

Clipt Point



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
115 x 38	1.20kg	-5500K

Palette Knives

Scale Tang
Heavy duty, with scale tang, tempered flexible steel blades and polished rosewood handles. Used for mixing paints, spreading printing inks, folding pigments etc.



Blade Length)	Weight each	Order Code KEN-533
100mm	60g	-5540K
150mm	88g	-5560K
200mm	159g	-5580K

Hooked Lino Knife

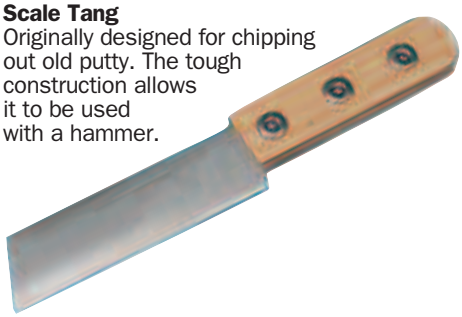
With heavy duty blade and quality wooden handle. For cutting linoleum and comparable materials.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
90 x 25	1.50kg	-1020K

Hacking Knife

Scale Tang
Originally designed for chipping out old putty. The tough construction allows it to be used with a hammer.



Blade Length x Width (mm)	Weight per 12	Order Code KEN-533
115 x 30	2.40kg	-1060K

HAND TOOLS

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KENNEDY PROFESSIONAL Professional Paint Brushes

High quality lacquered wood handles. Chrome plated lapped and pressed ferrules.
Long pure black high quality bristles.
Hard wearing brushes designed to give long life and the finest of finishes for the true craftsman.

*With plastic handle.



5 PIECES
6 PIECES
11 PIECES

Width (mm)	Weight per 12	Order Code KEN-533
13 (½")*	0.30kg	-5020K
19 (¾")	0.65kg	-5030K
25 (1")	0.70kg	-5040K
38 (1½")	0.95kg	-5050K
50 (2")	1.50kg	-5060K
63 (2½")	1.75kg	-5070K
75 (3")	2.50kg	-5080K
100 (4")	3.40kg	-5090K

Number of Pieces	Weight each	Order Code KEN-533
5	390g	-5130K
6	340g	-5170K
11	635g	-5140K

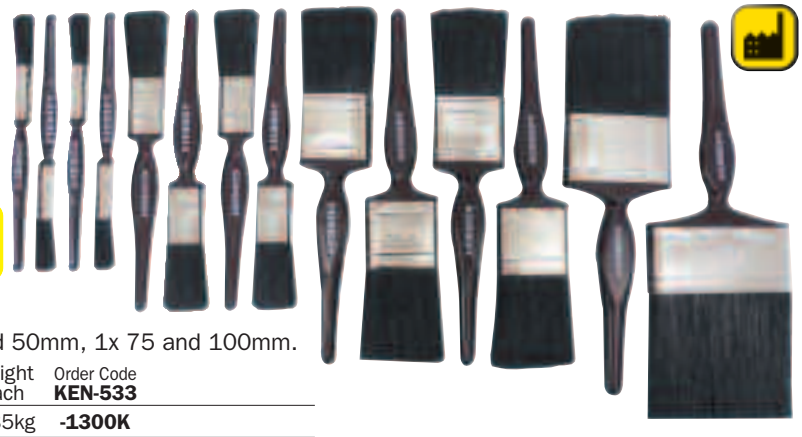
5 Piece Set
1x 13, 25, 38, 50 and 75mm

6 Piece Set
3x 25mm, 2x 50mm and 1x 13mm

11 Piece Set
3x 25 and 50mm, 2x 13mm, 1x 19, 38 and 75mm

KENNEDY Industrial Paint Brushes

Plastic handles. Chrome plated lapped and pressed ferrules. Pure bristles vulcanised in rubber. Designed to give excellent results at an affordable price. For DIY and trade use.



14 PIECES

Width (mm)	Weight per 12	Order Code KEN-533
13 (½")	0.25kg	-1120K
25 (1")	0.55kg	-1140K
38 (1½")	0.70kg	-1160K
50 (2")	1.10kg	-1180K
75 (3")	1.80kg	-1220K
100 (4")	2.60kg	-1240K

14 Piece Set
4x 13, 25 and 50mm, 1x 75 and 100mm.

Number of Pieces	Weight each	Order Code KEN-533
14	0.85kg	-1300K

KENNEDY PROFESSIONAL Professional Paint Brushes - Synthetic

A range of long lasting synthetic filament paint brushes specifically designed for the professional for achieving very fine finishes with all paints and available in a range of sizes from ½" to 4".
With cushioned rubber grip handles.

NEW



6 PIECES
14 PIECES

Width (mm)	Order Code KEN-533
13 (½")	-6762K
25 (1")	-6764K
38 (1½")	-6766K
50 (2")	-6768K
75 (3")	-6772K
100 (4")	-6776K

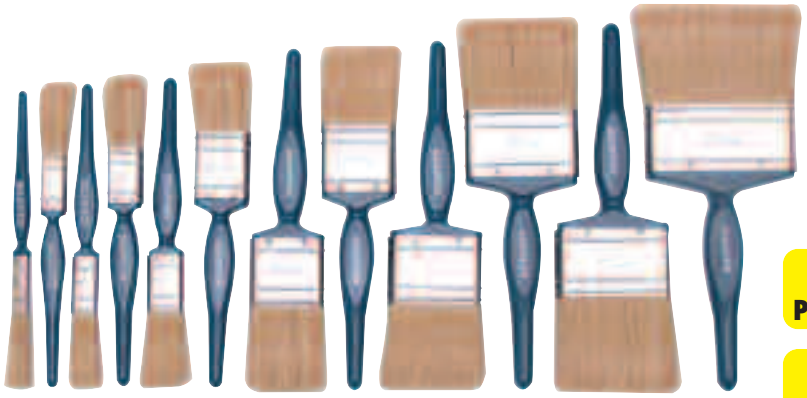
Width (mm)	Order Code KEN-533
6 Piece Set	-6790K
14 Piece Set	-6794K

6 Piece Set
1x ½", 3x 1", and 2x 2".

14 Piece Set:
4x ½", 4x 1", 4x 2", 1x 3", and 1x 4".

SENATOR QUALITY TOOLING Paint Brushes

With painted wood handles. Chrome plated lapped and pressed steel ferrules.
Long pure bristles.



6 PIECES
12 PIECES

Width (mm)	Weight each	Order Code SEN-533
13 (½")	15g	-0210K
19 (¾")	25g	-0220K
25 (1")	30g	-0230K
38 (1½")	43g	-0240K
50 (2")	65g	-0250K
63 (2½")	85g	-0260K
75 (3")	110g	-0270K
100 (4")	150g	-0280K

Number of Pieces	Weight each	Order Code SEN-533
6	330g	-0370K
12	865g	-0330K

6 Piece Set
1x 13mm, 3x 25 and 2x 50mm.

12 Piece Set
1x 19, 38, 63 and 100mm.
2x 13, 25, 50 and 75mm.

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KENNEDY Artist's Pencil Brushes

Plastic Handled - Medium Point
With pure bristles. Each brush is marked with its size. Medium point.



Size	Weight per 10	Order Code KEN-533
No.1	30g	**-6391K**
No.2	30g	**-6392K**
No.3	30g	**-6393K**
No.4	30g	**-6394K**
No.5	30g	**-6395K**
No.6	30g	**-6396K**

Wooden Handled - Medium Point NEW
Steel ferrules. Soft hair bristles.



Size	Order Code KEN-533
No.1	**-6721K**
No.2	**-6722K**
No.3	**-6410K**
No.4	**-6420K**
No.5	**-6430K**
No.6	**-6440K**
No.7	**-6450K**
No.8	**-6460K**
No.10	**-6470K**
No.12	**-6480K**

Wooden Handled - Fine Point NEW
Steel ferrules. Soft hair bristles.



Size	Order Code KEN-533
No.2	**-6702K**
No.4	**-6704K**
No.6	**-6706K**

Varnished Wooden Handled - Fine Point NEW
Slimmer handles, steel ferrules, soft hair bristles.



Size	Order Code KEN-533
No.2	**-6742K**
No.3	**-6743K**
No.6	**-6746K**
No.8	**-6748K**

Fitch Brushes

Natural white bristle with long natural wooden handle and steel ferrule. Ideal for 'cutting-in' to corners and windows, or used dry to clean/dust on delicate objects or hard to access areas.



Type	Size	Order Code KEN-533
Flat	No.2 (6mm)	**-6520K**
	No.4 (8mm)	**-6540K**
	No.6 (12mm)	**-6560K**
	No.8 (16mm)	**-6580K**
	No.10 (20mm)	**-6600K**
	No.12 (24mm)	**-6620K**
Round	No.2 (6mm)	**-6680K**
	No.4 (8mm)	**-6681K**
	No.6 (12mm)	**-6682K**
	No.8 (16mm)	**-6683K**
	No.10 (20mm)	**-6684K**
	No.12 (24mm)	**-6685K**

Slant Cut Lining Brush NEW

For use on fine and detailed decorating work and difficult to get to areas where the finish makes all the difference.
Overall Length: 300mm



Size	Order Code KEN-533
12mm (½")	**-5220K**

Paste & Glue Brush NEW

1" brush with flat tip and short wooden handle ideal for use with paste and glue.



Size	Order Code KEN-533
25mm (1")	**-5250K**

Suds Brush

Twisted wire. For brushing down and clearing machine slide tables, engine parts etc.



Length	Weight each	Order Code KEN-907
240mm	20g	**-3250K**

Industrial Maintenance Brushes

Ideal for a wide variety of tasks around the workshop, home and for use when applying creosote, cleaners and degreasers etc. Wooden handles with pure bristles.



Size	Weight each	Order Code KEN-907
½"	13g	**-0210K**
1"	23g	**-0250K**
1½"	39g	**-0270K**
2"	47g	**-0290K**
2½"	63g	**-0310K**
3"	76g	**-0330K**
4"	100g	**-0350K**

Industrial Maintenance Brush Set

Superb value for money. Ideal for a wide variety of tasks around the workshop, home and for use when applying creosote, cleaners and degreasers etc. Wooden handles with pure bristles.

Contents:
4 off each:
12mm (½"), 25mm (1") and 50mm (2");
1 off each:
75mm (3") and 100mm (4").



Number of Pieces	Weight each	Order Code KEN-907
14	200g	**-0400K**

Radiator Brushes

Designed to reach behind radiators. Plastic handles with hard wearing bristles.



Size (mm)	Overall Length	Weight each	Order Code KEN-533
25	380	35g	**-6020K**
38	380	45g	**-6030K**
50	380	55g	**-6040K**

Wooden Sash Brushes

Wooden handle with steel ferrule.



Size	Order Code KEN-533
No.6	**-3179K**
No.8	**-3180K**
No.10	**-3181K**
No.12	**-3182K**
No.14	**-3183K**
No.16	**-3184K**
No.18	**-3186K**
No.20	**-3187K**

Laminating Brushes

Laminating brush for fibreglass and resin projects. White bristle, stainless ferrule. Cream plastic handle.



Size	Order Code KEN-533
½"	**-6340K**
¾"	**-6350K**
1"	**-6360K**
2"	**-6370K**
3"	**-6375K**
4"	**-6380K**

Striker Brush c/w 24" Handle

Mainly used on heavy industrial and commercial work. Ideal for hard to reach painting work. 610mm (24") handle.



Size	Order Code KEN-533
1½"	**-0010K**
2"	**-0015K**

Plastic Handle Sash Tools

Plastic handle. Ideal for cleaning out sawdust, swarf etc.



Size	Order Code KEN-533
No.6	**-1531K**
No.8	**-1532K**
No.10	**-1533K**
No.12	**-1534K**
No.16	**-1535K**

Paste/Glue Brushes

Size	Order Code KEN-533
No.9/3 (¼")	**-6310K**
No.9/5 (¾")	**-6320K**

HAND TOOLS

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KENNEDY Shepsil Refill

Suitable for emulsion and masonry paints on rough surfaces. Use also with vinyl silk, vinyl matt, exterior paints on rough surface

Core Diameter: 44mm.

To fit KENNEDY 230mm wide bird cage pattern rollers.



Length (mm)	Pile Length	Weight each	Order Code KEN-533
230 (9”)	18mm	100g	-4300K

Polyester Extra Long Pile Refill

Suitable for emulsion and masonry paints on very rough surfaces. Also for use with vinyl silk, vinyl matt, exterior paints, on rough surfaces.

Core Diameter: 44mm

To fit KENNEDY 230mm wide bird cage pattern rollers.



Length (mm)	Pile Length	Weight each	Order Code KEN-533
230 (9”)	32mm	100g	-4320K

Polyester Short Pile Refill

For eggshell paints on smooth surfaces. Use also with semi-gloss, vinyl silk, undercoat, primers on smooth flat surfaces

Core Diameter: 44mm.

To fit 230mm wide bird cage pattern rollers.



Length (mm)	Pile Length	Weight each	Order Code KEN-533
230 (9”)	9mm	100g	-4330K

Foam Roller - Textured Paint

For applying and finishing texture paints, use for applying and texturing high-build, aggregate and texture paints on interior walls, exterior walls and ceilings.

Core Diameter: 44mm

To fit KENNEDY 230mm wide bird cage pattern rollers.



Length (mm)	Roller Type	Weight each	Order Code KEN-533
230 (9”)	Foam	100g	-4340K

Medium Pile Refill

For double arm rollers. Medium pile, suitable for rough surfaces such as stucco, concrete, pebble dash, embossed wallpaper, brick and block walls.

To fit KENNEDY 300mm wide double arm roller head.



Size (mm)	Weight each	Order Code KEN-533
300 (12”)	100g	-4600K

Sheepskin Roller

Suitable for emulsion, exterior and masonry paints on rough surfaces.

Core Diameter: 44mm

To fit KENNEDY 230mm wide bird cage pattern rollers.



Length (mm)	Pile Length	Weight each	Order Code KEN-533
230 (9”)	18mm	100g	-4350K

SENATOR QUALITY TOOLING Economy Refill Sleeves

Medium pile is suitable for smooth surfaces. Long pile is suitable for rough surfaces.

Pile Diameter: 38mm

To fit SENATOR 180mm & 230mm wide bird cage pattern rollers.



Length (mm)	Pile	Order Code SEN-533
180 (7”)	Medium	-4200K
230 (9”)	Medium	-4310K
180 (7”)	Long	-4220K
230 (9”)	Long	-4320K

Telescopic Extension Pole

Manufactured to the highest specifications from aluminium, fibre-glass and ABS plastic, making it light in weight but very strong. It extends from 1.2 to 2.4m and comes with an American style thread plus ascrew-on tapered adaptor.

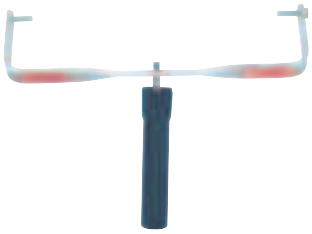


Screw-on Adaptor

Extension Range	Weight each	Order Code KEN-533
1.2 to 2.4m (47” to 94”)	360g	-4800K

KENNEDY Double Arm Roller Head

Galvanised steel double arm head. For use with 1” diameter stale with screw hole for fixing.



Size (mm)	Weight each	Order Code KEN-533
300 (12”)	455g	-4650K

KENNEDY PROFESSIONAL Paint Roller

Bird cage pattern with a hollow tapered wooden handle for use with extension.

Cage diameter: 44mm. To suit KENNEDY refills.

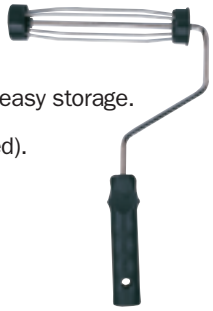


Size (mm)	Weight each	Order Code KEN-533
230 (9”)	400g	-4400K

SENATOR QUALITY TOOLING Bird Cage Paint Roller

Black plastic handle with integral hanging hole for easy storage. For use with roller refill sleeves (not supplied).

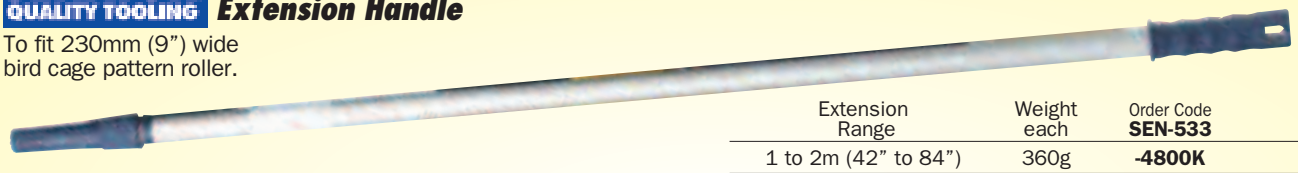
Cage diameter: 38mm. To suit SENATOR refills.



Size (mm)	Weight each	Order Code SEN-533
180 (7”)	170g	-4250K
230 (9”)	190g	-4400K

SENATOR QUALITY TOOLING Telescopic Extension Handle

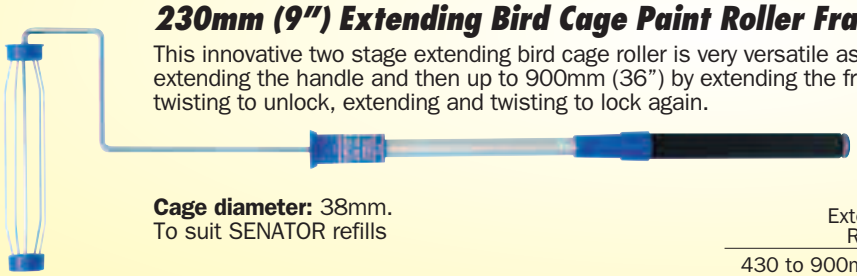
To fit 230mm (9”) wide bird cage pattern roller.



Extension Range	Weight each	Order Code SEN-533
1 to 2m (42” to 84”)	360g	-4800K

230mm (9”) Extending Bird Cage Paint Roller Frame

This innovative two stage extending bird cage roller is very versatile as it extends from 430mm (17”) to 680mm (27”) by extending the handle and then up to 900mm (36”) by extending the frame from the handle. Both operations are carried out by twisting to unlock, extending and twisting to lock again.



Cage diameter: 38mm. To suit SENATOR refills

Extension Range	Weight each	Order Code SEN-533
430 to 900mm (17” to 36”)	360g	-4420K

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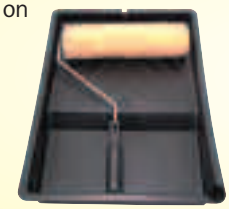
SENATOR QUALITY TOOLING Roller Kit

3 PIECES

3 Piece
Comprising of a bird cage paint roller, a medium pile refill and a plastic paint tray. Suitable for indoor use on smooth surfaces.



Number of Pieces	Weight each	Order Code SEN-533
3	548g	-4500K

Decorator's Set

8 PIECES

8 Piece
Comprising of a standard roller kit including a bird cage paint roller, medium pile refill and a plastic paint tray. Emulsion and gloss painting kit which includes a mini roller, refill, 50mm paint brush, paint tray and a 3.70 x 2.80m polythene dust sheet.



Number of Pieces	Weight each	Order Code SEN-533
8	750g	-3100K

Paint Pad Set

5 PIECES

5 Piece Contents:
Pad handle, paint tray (300 x 205mm), large pad (200 x 70mm), medium pad (140 x 70mm) and window frame pad (65 x 40mm).



Description	Order Code SEN-533
5 Piece Set	-4750K
200mm Pad Refill	-4700K

KENNEDY QUALITY INDUSTRIAL TOOLING Mini Roller Set

Supplied with a handle and tray. Includes a 100mm (4") high density foam roller for gloss and a knitted 100mm (4") sleeve for use with emulsion paint.

NEW

4 PIECES



Number of Pieces	Order Code KEN-533
4	-4140K

Floor Roller Paint Tray

380mm (15")
Large dimension paint tray designed for floor paint. Incorporates gullies for excessive paint drain.
Dimensions:
(W)15" x (L)17".

NEW



Width (mm)	Order Code KEN-533
380 (15")	-1760K

Floor Roller Paint Kit

300mm (12")
4 piece floor roller paint kit consisting of roller, roller bracket, extension arm and paint tray.

4 PIECES

NEW



Width (mm)	Order Code KEN-533
300 (12")	-1740K

Mini Emulsion Roller Set

100mm (4")
For use with emulsion paint.



Size (mm)	Order Code KEN-533
100 (4")	-4120K

Mini Gloss Roller Set

100mm (4")
For use with gloss paint.



Size (mm)	Order Code KEN-533
100 (4")	-4130K

Mini Paint Roller Tray

Tray to suit mini roller.



Description	Order Code KEN-533
To Suit Mini Roller	-4100K

Plastic 15ltr Paint Scuttle

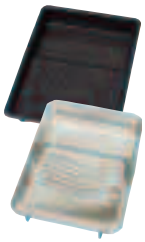
15ltr paint scuttle in black plastic with metal handle. Moulded ridged sides for loading paint roller. Takes all paint roller frames up to 12".



Capacity	Weight each	Order Code KEN-533
15ltr	825g	-1700K

Paint Trays

The rigid drain off area helps remove the excess paint from the roller preventing drips and evenly coating your paint roller.
Dimensions (L x W x D):
400 x 290 x 60mm.



Type	Width (mm)	Weight each	Order Code KEN-533
Metal	230 (9")	570g	-4450K
Plastic	230 (9")	290g	-4460K
Metal	300 (12")	290g	-4670K

SENATOR QUALITY TOOLING Paint Tray

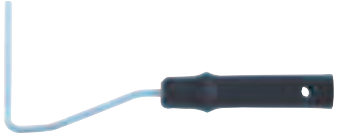
180mm (7") Paint Tray
Evenly coats the roller whilst storing paint in the reservoir. The drain-off area helps remove excess paint from the roller preventing drips.



Size (mm)	Weight each	Order Code SEN-533
180 (7")	165g	-4280K

Mini Paint Roller Frame

100mm (4")
Single arm type. Moulded plastic handle. Suitable for use with all 4" mini roller heads.



Size (mm)	Order Code KEN-533
100 (4")	-4060K

Long Arm Radiator Roller & Sleeve

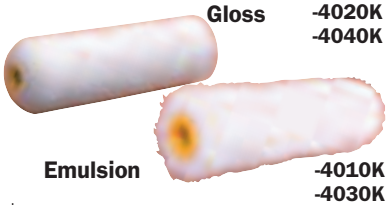
Radiator roller frame and 4" roller sleeve. Single arm moulded handle frame and medium pile roller sleeve. Suitable for emulsion paint.



Description	Order Code KEN-533
Radiator Roller Complete	-4070K

Mini Roller Refills

100mm (4") medium pile roller for use with emulsion paints. Ideal for painting small areas or in awkward places.



Gloss -4020K -4040K

Emulsion -4010K -4030K

For Paint Types	Order Code KEN-533
	Single Roll
Emulsion	-4010K
Gloss	-4020K
	Pack of 10 Rolls
Emulsion	-4030K
Gloss	-4040K

HAND TOOLS

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KENNEDY QUALITY INDUSTRIAL TOOLING Paint Kettles

Made from high quality polypropylene and suitable for use with all types of paint. Robust plastic containers suitable for use in many applications holding liquids, compounds, fasteners and fixings. Tapered design to allow stacking and easy storage.
Lids are sold separately. Supplied as standard with plastic handles (except *).

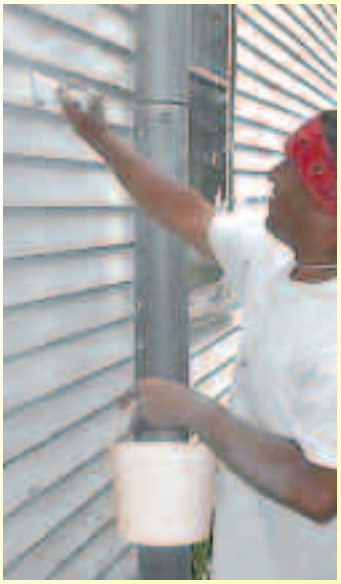


Capacity (Litres)	Dia. x Height (mm)	Order Code KEN-533
300ml*	89 x 66	-1540K
500ml*	100 x 720	-1545K
1ltr	140 x 102	-1550K
2.5ltr	198 x 134	-1560K
5ltr	235 x 205	-1564K
10ltr	282 x 229	-1568K
300ml	Lid Only	-1570K
500ml	Lid Only	-1571K
1ltr	Lid Only	-1573K
2.5ltr	Lid Only	-1575K
5ltr	Lid Only	-1577K
10ltr	Lid Only	-1579K

KENNEDY PROFESSIONAL Paint Kettles

Plastic paint kettles with steel wire handle.
Inner lip has a 'V' cut to allow non-drip pouring.

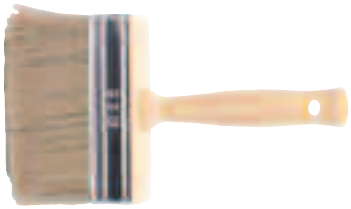




Capacity	Order Code KEN-533
1ltr	-1520K
2.5ltr	-1530K

KENNEDY QUALITY INDUSTRIAL TOOLING Paste Brush

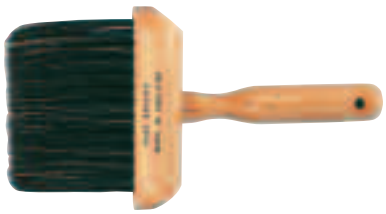
Easy clean synthetic bristle. Resin set in a nickel plated ferrule with plastic handle suitable for the easy spreading of wallpaper paste.



Width (mm)	Order Code KEN-533
120 (4¾")	-1500K

Dusting Brushes

Black pure bristle or soft coco fibre bristles.
Plain wood handle.
For general dusting and cleaning.
Size: 100mm (4").



Type	Weight each	Order Code KEN-533
Coco	115g	-6824K
Pure	105g	-6844K

Plastic Bucket

Durable plastic rigid bucket with galvanised steel handle rotating plastic grip. Wide pouring lip and rounded reinforced edge. Three gallon (14ltr) capacity. Easy to clean smooth interiors and exteriors.



14 LTR

Capacity	Order Code KEN-907
3 gallon (14ltr)	-8030K

SENATOR QUALITY TOOLING Dust Sheet - Cotton Twill

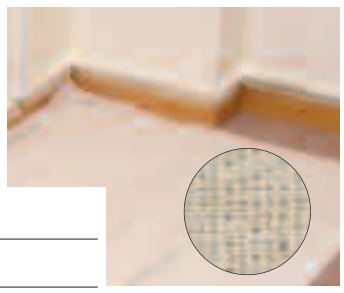
Economy cotton twill provide excellent protection to carpets, flooring and furniture whilst decorating.
Dimensions (L x W): 6ft x 3ft.



Dimensions (L x W)	Order Code SEN-533
6ft x 53ft	-7010K

KENNEDY QUALITY INDUSTRIAL TOOLING Dust Sheets - Cotton Twill

Tough cotton twill provide excellent protection to carpets, flooring and furniture when painting.



Type	Size (L x W)	Order Code KEN-533
General	12ft x 9ft	-7000K
Staircase	3ft x 24ft	-7100K

Dust Sheet - Polythene

Disposable polythene dust sheet, thin polythene sheeting suitable for use once then thrown away.
Dimensions:
3.66 x 2.75m (12 x 9ft).



Description	Order Code SEN-533
Polythene Dust Sheet	-7040K

Dust Sheet Roll - Polythene

Disposable polythene dust sheet on a roll, suitable for staircases.
Thin polythene sheeting suitable for use once then thrown away.
Dimensions: 2m x 50m.



Dimensions	Order Code KEN-533
2m x 50m	-7060K

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KENNEDY Glass & Tile Cutter

Zinc alloy handle with a tungsten carbide cutting wheel.



Overall Length	Weight each	Order Code KEN-533
130mm	45g	**-1980K**

Six Wheel Glass & Tile Cutter

Six wheel cutting head with tungsten carbide cutting wheels.



Overall Length	Weight each	Order Code KEN-533
135mm	40g	**-1990K**

Tile Cutter/Scorer

Solid plastic handle with double edged tungsten, extra hard, carbide cutting tip.



Overall Length	Weight each	Order Code KEN-533
100mm	40g	**-2050K**

SENATOR QUALITY TOOLING Grout Remover

Long life tempered steel blade. Grout can be loosened and removed quickly and easily, for repair, renewal or 'facelift'.



Weight each	Order Code SEN-533
50g	**-2090K**

Grout & Adhesive Spreader

Non-scratch plastic spreader. The grooved edge ensures that the adhesive is evenly spread. The flexible edge is suitable for removing excess grout.



Overall Length	Weight each	Order Code KEN-533
180mm	43g	**-1960L**

Tile Spacers

Average pack quantity: 250.



Width	Weight per pk	Order Code KEN-533
2mm	55g	**-1940K**

Contour Gauge

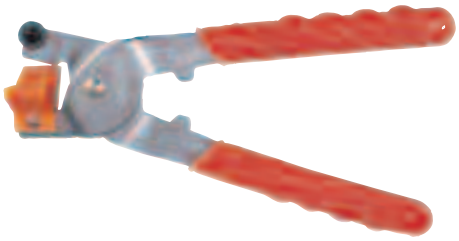
Allows profiles to be traced quickly and easily.



Overall Length (mm)	Weight each	Order Code KEN-533	
128 (5")	270g	**-1960K**	**N/A**
255 (10")	500g	**-1950K**	**N/A**

Tile Cutting Pliers

Tungsten carbide cutting wheel. The self-adjusting top jaw ensures a clean break. Suitable for use on ceramic tiles or glass.

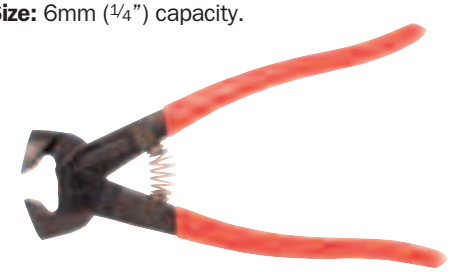


Capacity (mm)	Weight each	Order Code SEN-533
16 (5/8")	250g	**-2070K**
Spare cutter	5g	**-2170K**

200mm (8") Tile Nipper

Used for nibbling shapes in wall and floor tiles to make them fit around irregular shaped objects. Suitable for use on both ceramic wall and floor tiles. Drop forged steel handles and tungsten carbide tips.

Size: 6mm (1/4") capacity.



Size (mm)	Weight each	Order Code KEN-558
200 (8")	345g	**-8260K**

Jumbo Sponge

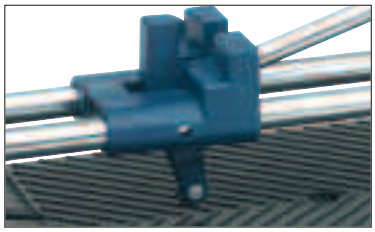
Dimensions: 20 x 10 x 7cm.
Yellow jumbo sponge.



Size	Order Code KEN-907
20 x 10 x 7cm	**-4150K**

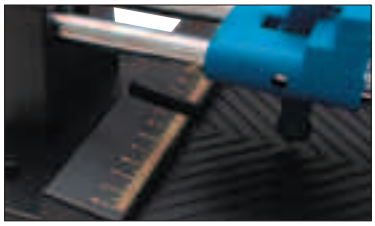
SENATOR QUALITY TOOLING Tile Cutter

Push cut tile cutter with two steel bars as the handle guide. Tiles are scored with one smooth action and then snapped with the heavy duty tile breaker.



Quick Action Tile Breaker





Graduated Measuring Gauge



Tungsten Carbide Cutting Wheel

- Scores In one action with minimum pressure required.
- Ergonomic plastic handle and metal runners.
- High strength plastic base with serrated surface.

Capacity (mm)	Weight each	Order Code SEN-533
260 (10")	1.20kg	**-2060K**
Spare Wheel		**-2150K**

HAND TOOLS

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KENNEDY Industrial Scissors

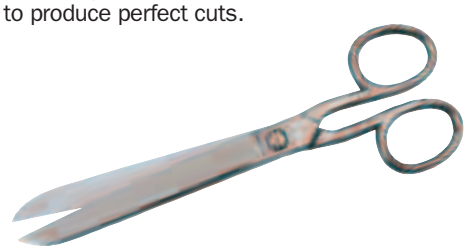
Sidebent Shears
Stainless steel blades, large loop comfortable handles. For trimming.



Length (mm)	Weight each	Order Code KEN-533
180 (7")	190g	-2070K
205 (8")	190g	-2080K
230 (9")	280g	-2090K
255 (10")	440g	-2100K
305 (12")	720g	-2120K

Paper Hanging Shears

All metal, with stainless steel blades to produce perfect cuts.



Length (mm)	Weight each	Order Code KEN-533
255 (10")	270g	-2200K

Special Purpose Scissors
Plastic Handled Tailor's Scissors

The asymmetrical plastic handle design allows the scissors to be used comfortably just above the work surface when cutting cloth in a straight line. The straight and curved blade tips are suitable for both long cuts and precise stitch cutting.



Length (mm)	Weight each	Order Code KEN-533
215 (8½")	140g	-3380K
240 (9½")	160g	-3390K

Tailor's Thread Cutting Snips

Plastic Handled
Handy, economical lightweight plastic snips with finger hole for stability. Replaceable stainless steel blades (uses Kennedy 533-375 blades). Useful for cutting threads, wires, string, plastic pull straps etc.



Length (mm)	Order Code KEN-533
125 (5")	-3750K

Bi-Material Handled Slimline Scissors

Bi-Material comfort handle. Slimline scissors ideal for fine and intricate detailed work.



Length mm	Order Code KEN-533
140 (5½")	-3920K
165 (6½")	-3930K

Bi-Material Side Bent Scissors

The asymmetrical plastic handle design with hardened and ground steel blades allows the scissors to be used comfortably just above the work surface when cutting cloth in a straight line. The straight and curved blade tips are suitable for both long cuts and precise stitch cutting. Sharp stainless steel blades.



Length mm	Order Code KEN-533
240 (9 ½")	-3780K

Bi-Material Handled Offset Scissors

The asymmetrical Bi-material comfort handle design with hardened and ground steel blades allows the scissors to be used comfortably just above the work surface when cutting cloth in a straight line. The straight and curved blade tips are suitable for both long cuts and precise stitch cutting. Sharp stainless steel blades.



Length mm	Order Code KEN-533
190 (7½")	-3940K
215 (8½")	-3950K
245 (9¾")	-3960K

Bi-Material Grip Scissors Set

5 Piece Set, Contents:
Slimline Scissors: 140mm and 165mm
Offset Scissors: 190mm, 215mm and 245mm



Number of Pieces	Order Code KEN-533
5	-3900K

Fibre Optic Cutters

FOC145
Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, cloth, fabric, string and many more. Lightweight and easy to use for both right and left handed users. Easy reach thumb lock. Long lasting precision ground hardened high carbon alloy steel with molybdenum and vanadium blades. Serrated blade reduces slippage.

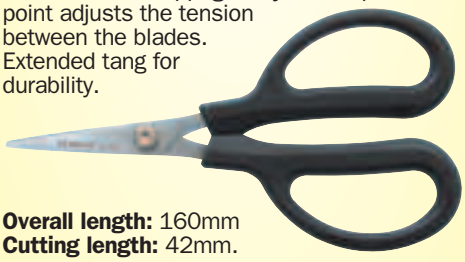


Overall length: 145mm (5").
Cutting length: 32mm (1").

Overall Length	Weight each	Order Code KEN-533
145mm	82g	-3570K

Fibre Optic Shears

FOC160
Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, cloth, fabric, string and many more. Long lasting precision ground hardened high carbon alloy steel with Molybdenum and Vanadium blades. Serrated blade reduces slippage. Adjustable pivot point adjusts the tension between the blades. Extended tang for durability.



Overall length: 160mm
Cutting length: 42mm.

Overall Length	Weight each	Order Code KEN-533
160mm	82g	-3580K

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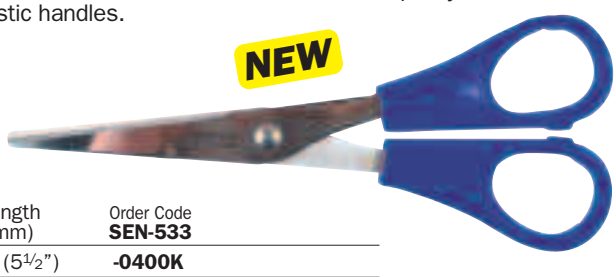
SENATOR QUALITY TOOLING Paper Scissors

Non-twist blades manufactured from the finest quality stainless steel with plastic handles.



Length (mm)	Order Code SEN-533
140 (5½")	-0400K

General Purpose Household Scissors

Suitable for general cutting applications around the house. Hardened and ground steel blades with asymmetrical plastic handles.



NEW

Length (mm)	Order Code SEN-533
180 (7")	-0410K
215 (8½")	-0420K
255 (10")	-0430K

Kitchen Scissors - Offset Handle

The asymmetrical plastic handle design allows the scissors to be used comfortably just above the work surface when cutting cloth in a straight line. The straight and curved blade tips are suitable for both long cuts and precise stitch cutting. Hardened and ground steel blades



NEW

Length (mm)	Order Code SEN-533
115 (4½")	-0480K
180 (7")	-0490K
210 (8¼")	-0500K

KENNEDY QUALITY INDUSTRIAL TOOLING 3 Piece Scissor Set

190mm kitchen, 205mm heavy-duty and 215mm household.



Number of Pieces	Order Code KEN-533
3	-3700K

4 Piece General-Purpose Scissor Set

215mm tailors, 215mm kitchen, 170mm paper and 125mm thread cutting.



Number of Pieces	Order Code KEN-533
4	-3720K

KENNEDY QUALITY INDUSTRIAL TOOLING Paper Scissors

Non-twist blades manufactured from the finest quality stainless steel with plastic handles.

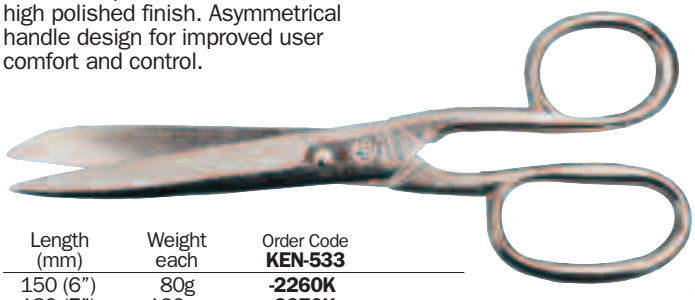
Set contents: 160mm and 180mm



Length (mm)	Order Code KEN-533
160 (6¼")	-3800K
180 (7")	-3810K

General-Purpose Shears

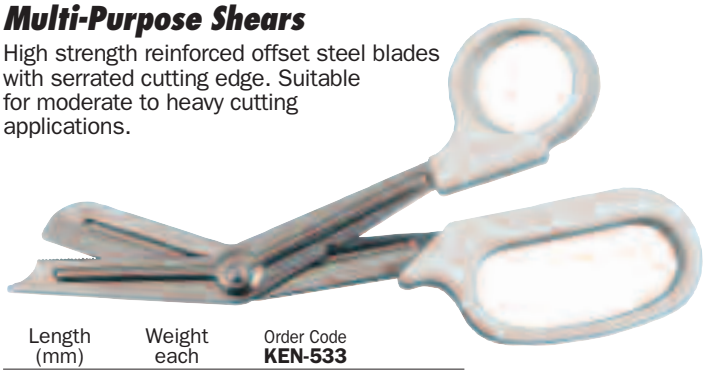
Traditional pattern stainless steel scissors with high polished finish. Asymmetrical handle design for improved user comfort and control.



Length (mm)	Weight each	Order Code KEN-533
150 (6")	80g	-2260K
180 (7")	130g	-2270K

Multi-Purpose Shears

High strength reinforced offset steel blades with serrated cutting edge. Suitable for moderate to heavy cutting applications.



Length (mm)	Weight each	Order Code KEN-533
180 (7")	60g	-2370K

Heavy-Duty General Purpose Scissors

Kennedy heavy-duty general purpose scissors with large red loop handles.



Length (mm)	Order Code KEN-533
205 (8")	-3880K

2 Piece Paper Scissor Set

160mm and 180mm paper scissors.



Number of Pieces	Order Code KEN-533
2	-3850K

HAND TOOLS

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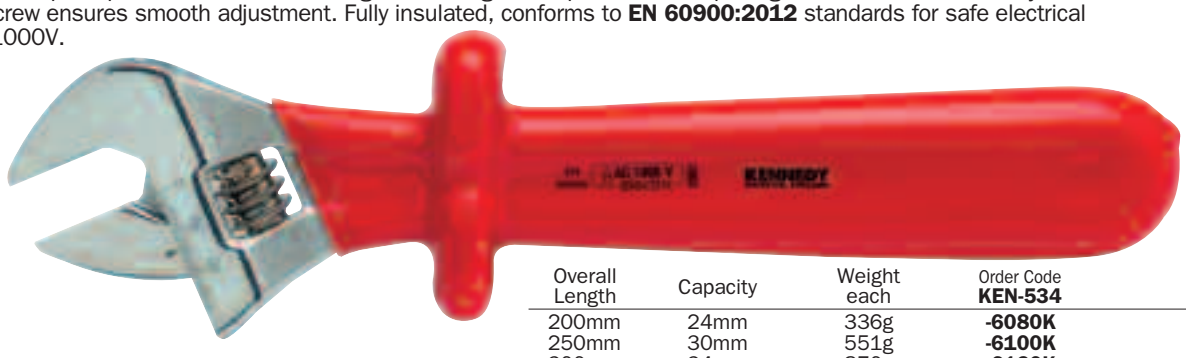
KENNEDY PROFESSIONAL

Insulated Adjustable Wrenches

Manufactured from chrome vanadium steel with hardened parallel opening jaws that are ground and polished, laser etched with metric graduations for rapid repeatable reference setting. The wide grooved profile of the opening mechanism and coarsely knurled adjusting screw ensures smooth adjustment. Fully insulated, conforms to **EN 60900:2012** standards for safe electrical applications up to 1000V.

1000V



Overall Length	Capacity	Weight each	Order Code KEN-534
200mm	24mm	336g	**-6080K**
250mm	30mm	551g	**-6100K**
300mm	34mm	870g	**-6120K**

Insulated Spanners

Chrome vanadium single ended open jaw spanners. Spanner dimensions conform to **DIN 7446**. Fully insulated to conform to **VDE 0680/201** and **EN 60900:2012** standards for safe electrical applications up to 1000V.

Single End Open Jaw

1000V



Size	Weight each	Order Code KEN-534
10mm	30g	**-8800K**
11mm	45g	**-8810K**
12mm	60g	**-8820K**
13mm	60g	**-8830K**
14mm	70g	**-8840K**
15mm	85g	**-8850K**
16mm	115g	**-8860K**
17mm	110g	**-8870K**
18mm	135g	**-8880K**
19mm	150g	**-8890K**
21mm	205g	**-8910K**
24mm	250g	**-8940K**

1000V

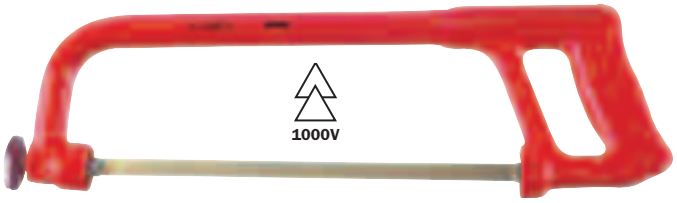


Size	Weight each	Order Code KEN-534
10mm	85g	**-9200K**
11mm	110g	**-9210K**
12mm	120g	**-9220K**
13mm	125g	**-9230K**
14mm	175g	**-9240K**
15mm	135g	**-9250K**
16mm	175g	**-9260K**
17mm	190g	**-9270K**
18mm	220g	**-9280K**
19mm	250g	**-9290K**
21mm	310g	**-9310K**
22mm	325g	**-9320K**
24mm	340g	**-9340K**

Insulated Hacksaw

Die cast frame with 'D' style handle for user comfort and control. Wing nut blade tensioning. Supplied complete with 300mm 24tpi blade. Fully insulated, conforms to **EN 60900:2012** standards for safe electrical applications up to 1000V.

1000V



Overall Length	Weight each	Order Code KEN-534
400mm	619g	**-0800K**

Insulated Pump/Box Joint Pliers

Hardened chromed steel jaws. Sliding pivot joint allows the widest range of jaw openings. Serrated jaws for gripping flat and round parts. The handles cannot be closed together, preventing trapped fingers.

Fully insulated, conforms to **EN 60900:2012** standards for safe electrical applications up to 1000V.

1000V



Overall Length	Weight each	Order Code KEN-534
240mm	55g	**-4860K**

Insulated Tweezers

1000V

Straight/bent pattern tweezers with serrated gripping surfaces, quality tested and insulated to 1000V AC. Conforms to **EN 60900:2012** standards.
Overall length: 145mm. **Exposed blade length:** 15mm.

Straight Pattern



Bent Pattern



Overall Length	Weight each	Order Code KEN-534
145mm - Straight	40g	**-1120K**
145mm - Curved	40g	**-1140K**

Insulated Junior Hacksaw

1000V

Quality tested and insulated to 1000V AC and 1500V DC for live line working. All insulation is moulded in one piece, thus avoiding possible air gaps or other potential hazards. Uses conventional junior hacksaw blades. **EN 60900:2012.**



Overall Length	Weight each	Order Code KEN-534
150mm (6")	264g	**-0600K**

HAND TOOLS

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KENNEDY PROFESSIONAL Insulated Cable Knives

1000V

Fully insulated to conform to **VDE 0680/201** and **EN 60900:2012** standards for safe electrical applications up to 1000V.

Curved Blade
Steel hook blade for splitting flat and ribbon cables along its length.



Straight Blade
Fixed straight blade and protection cap. **Blade length:** 45mm.



Overall Length	Weight each	Order Code KEN-534
180mm - Curved Blade	65g	**-3480K**
180mm - Straight Blade	65g	**-3500K**

Insulated Dismantling Cable Knife

Insulated dismantling cable knife complete with rotection cap. Quality tested to 1000V AC. Comfortable handle, fixed sickle shaped blade for cutting sector cables. Conforms to **VDE 0680/201 and EN 60900:2012** standards.
Blade length: 45mm.

1000V



Overall Length	Weight each	Order Code KEN-534
180mm	70g	**-3540K**

Insulated Ratcheting Cable Cutter

For copper and aluminium cables up to 32mm diameter. Lightweight steel handles with insulated vinyl hand grips. Fixed and moving blade made from high grade alloy steel. Combines lightweight and ratcheted mechanical advantage in its circular cutting motion. Quality tested **EN 60900:2012** and insulated to 1000V AC.

1000V



Overall Length	Weight each	Order Code KEN-534
250mm (10")	678g	**-5000K**

Insulated Cable Cutters

Manufactured from drop forged high carbon steel with induction hardened blades. Fully insulated to conform with **VDE 0680/201** and **EN 60900:2012** standards for safe electrical applications up to 1000V.

1000V



Overall Length	Capacity	Weight each	Order Code KEN-534
240mm	22mm	398g	**-4960K**

Insulated Sockets & Accessories

All products are quality tested and fully insulated to 1000V AC. Conforms to **VDE 0680/201** (except extension bars) and **EN 60900:2012** standards. All ½" square drive.

Insulated Reversible Ratchet Handle



1000V

Description	Weight each	Order Code KEN-534
Reversible Ratchet Handle	660g	**-7400K**

200mm Insulated T-Handle

1000V



Description	Weight each	Order Code KEN-534
200mm T-Handle	450g	**-7420K**

125 & 250mm Insulated Extension Bars

1000V



Description	Weight each	Order Code KEN-534
125mm Extension Bar	200g	**-7440K**
250mm Extension Bar	270g	**-7460K**

Insulated Single Hexagon Sockets

1000V



Type	Size	Overall Length	Weight each	Order Code KEN-534
Metric ½	10mm	37	60g	**-7500K**
	11mm	37	60g	**-7510K**
	12mm	37	60g	**-7520K**
	13mm	37	70g	**-7530K**
	14mm	37	60g	**-7540K**
	15mm	37	60g	**-7550K**
	16mm	37	70g	**-7560K**
	17mm	37	80g	**-7570K**
	18mm	37	90g	**-7580K**
	19mm	37	90g	**-7590K**
	20mm	37	100g	**-7600K**
	21mm	37	95g	**-7610K**
	22mm	37	105g	**-7620K**
	24mm	37	135g	**-7640K**

HAND TOOLS

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KENNEDY Insulated Interchangeable Screwdriver Set

Ergonomic insulated full size handle, swivel cap and eight interchangeable drivers supplied in a compact protective pouch with belt loop. 2-in-1 design, use the detachable swivel cap for fast (low torque) driving, or use the full size detachable ergonomic handle for higher torque fastening.
Safe up to 1000V AC/1500V DC.





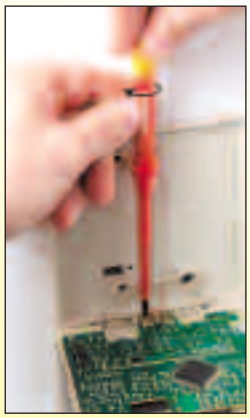
10 PIECES



10 Piece Set Contents (mm):

PARALLEL
0.4 x 2.5 x 100mm,
0.5 x 3.0 x 100mm,
0.8 x 4.0 x 100mm,
1.0 x 5.5 x 100mm and
1.2 x 6.5 x 100mm.

CROSS POINT
No.0 x 100mm,
No.1 x 100mm and
No.2 x 100mm.



Number of Pieces	Weight each	Order Code KEN-572
10	365g	-5870K

1000V Dual Grip VDE Screwdrivers

A fully insulated screwdriver VDE tested up to 1000V. Professional high grip handles, magnetic tips, chrome vanadium steel blades.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications.



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	60mm	20g	-7900K
No.1	80mm	60g	-7910K
No.2	100mm	90g	-7920K

Parallel Tip
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head.



Tip Size	Blade Length	Weight each	Order Code KEN-572
2.5mm	75mm	20g	-7940K
4.0mm	100mm	60g	-7950K
5.5mm	125mm	75g	-7960K
6.5mm	150mm	110g	-7970K

Set Contents:

PARALLEL
2.5 x 75,
4.0 x 100,
5.5 x 125,
6.5 x 150mm.

CROSS POINT
No.0 x 60,
No.1 x 80,
No.2 x 100mm.

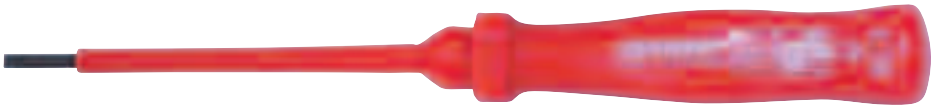
7 PIECES



Number of Pieces	Weight each	Order Code KEN-572
7	715g	-8000K

Electrician's VDE Square Section Handle Screwdrivers

Volt-tested to ensure safety on or near electrical equipment up to 1000V AC or 1500V DC. Insulated blades with magnetic tips. Conform with **DIN 7438** and **DIN EN 60900**.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications.



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75mm	27g	-5820K
No.1	100mm	50g	-5830K
No.2	100mm	80g	-5840K

Parallel Tip
Slotted head screws are the most commonly used screw. The tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping.



Tip Size	Blade Length	Weight each	Order Code KEN-572
2.5mm	85mm	30g	-5760K
4.0mm	100mm	45g	-5780K
5.5mm	125mm	80g	-5790K
6.5mm	150mm	100g	-5800K

Set Contents:
Supplied in clear plastic wallet.

PARALLEL
2.5 x 85,
4.0 x 100,
5.5 x 125,
6.5 x 150mm.

CROSS POINT
No.0 x 75,
No.1 x 100,
No.2 x 100mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-572
7	495g	-5900K

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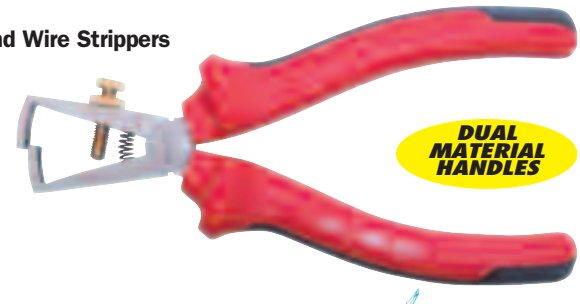
KENNEDY PROFESSIONAL Pro-Torq Insulated Pliers

Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint with induction hardened cutting edges.

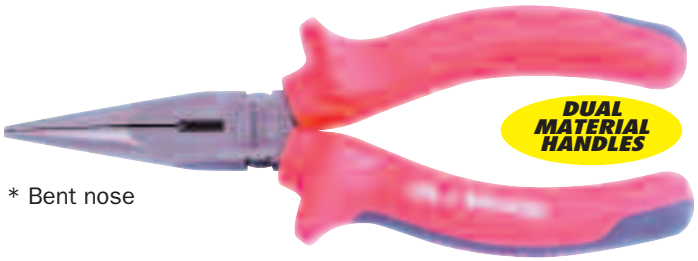
Insulated End Wire Strippers



1000V AC VDC/IEC 900 DIN EN 60900

Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	199g	-5200K

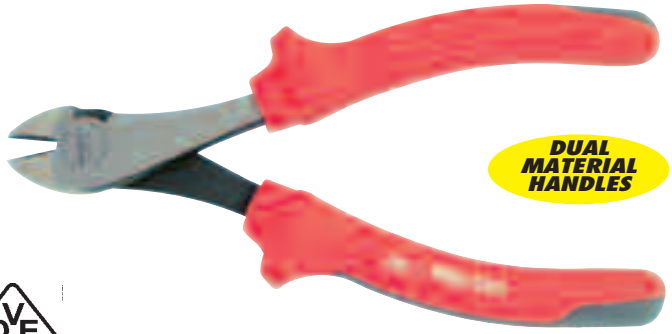
Insulated Snipe Nose Pliers



* Bent nose

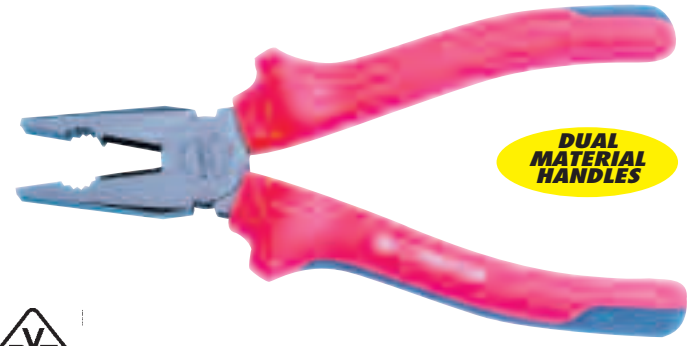
Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	157g	-5020K
205mm (8")	221g	-5040K
205mm (8")*	212g	-5060K

Insulated Diagonal Cutting Nippers



Overall Length	Weight each	Order Code KEN-558
145mm (5 3/4")	215g	-5080K
160mm (6 3/8")	205g	-5100K
205mm (8")	262g	-5120K

Insulated Combination Pliers



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	226g	-5140K
180mm (7")	290g	-5160K
205mm (8")	344g	-5180K

16-Piece Electrician's VDE Tool Bag & Kit

Heavy-duty tear-resistant tool bag with velcro fastening flap. Double-webbed shoulder strap fixed with metal release clasps. Two removable tool boards inside which have a unique tool storage securing system built-in. All tools are VDE approved.

Contents:
Electrician's tool bag (320 x 340 x 125mm).
150mm euro tester will detect 'live' electricity supply.
Suitable for AC to 125 - 250V.
3mm wide tip. Conform to VDE 0630 Part 4.
145mm (5 3/4") Pro-Torq grip diagonal nipper 1000V insulated.
160mm (6 3/8") Pro-Torq snipe nose plier 1000V insulated.
165mm (6 1/2") Pro-Torq engineers' combination plier 1000V insulated. 170mm (6 3/4") Pro-Torq wire stripper 1000V insulated.
7-pce VDE dual grip screwdriver set:
No.0 x 60, No.1 x 80 and No.2 x 100mm, 2.5 x 75, 4.0 x 100, 5.5 x 125 and 6.5 x 150mm.
180mm (7") insulated cable knife, curved blade.
2x small parts storage boxes.



16 PIECES

Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-595
320	125	340	3.50kg	-3400K

HAND TOOLS

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KENNEDY PROFESSIONAL Auto Locking Tape Measures

Blades are reverse printed and have a nylon coating for extra life. The double-sided marking makes all the difference when measuring ceilings and window reveal etc.
All come with an automatic brake which locks the blade in position during use until you press the release control button. They also benefit from a sliding magnetic hook and belt clip.



EEC CLASS II ACCURACY

Blade Length	Blade Width	Order Code KEN-536	
3m	16mm	-1730K	N/A
5m	25mm	-1750K	N/A
3m/10'	16mm	-1830K	N/A
5m/16'	25mm	-1850K	N/A
8m/26'	25mm	-1880K	N/A

YAMOTO Rubber Grip Tape Measures

'Dynamic Grip'
Textured rubber non-slip grip case for improved comfort and impact resistance. Locking spring assisted blade return. Rivetted metal end hook. Steel belt clip and wrist strap. Action lock holds the blade precisely where you want it. Blades and hooks are heavy gauge and corrosion resistant, designed for industrial use. Self-aligning hooks ensure accuracy for internal and external measurements.





EEC CLASS II ACCURACY

5m and longer tape hooks have four rivets (3m/10' tape hooks have two). Metric/English blades have 1/32", 1/16" inch and mm graduations. Metric-only blades have mm and cm graduations.

Blade Length	Blade Width	Order Code YMT-536	
3m	16mm	-1440K	N/A
5m	19mm	-1460K	N/A
8m	25mm	-1490K	N/A
3m/10'	16mm	-1430K	N/A
5m/16'	19mm	-1450K	N/A
7.5m/25'	25mm	-1480K	N/A
10m/33'	25mm	-1500K	N/A

SENATOR QUALITY TOOLING Locking Tape Measures

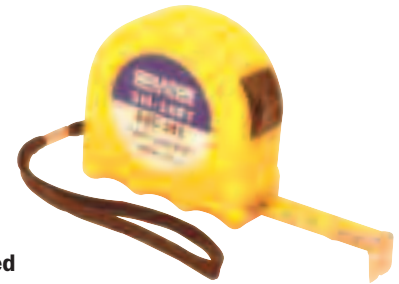
Tough plastic case with a slide action blade lock. Locking spring assisted blade return. Rivetted metal end hook. Steel belt clip and wrist strap. Action lock holds the blade precisely where you want it. Blades and hooks are heavy gauge and corrosion-resistant. Self-aligning hooks ensure accuracy for internal and external measurements. 5m and longer tape hooks have four rivets (3m/10' tape hooks have two).

EEC CLASS II ACCURACY



Chrome Cased

Blade Length	Blade Width	Weight each	Order Code SEN-536	
Metric Only Blades				
3m	16mm	130g	-6040K	N/A
5m	19mm	210g	-6060K	N/A
Metric & Inch Blades				
3m/10'	16mm	115g	-6030K	N/A
5m/16'	19mm	200g	-6050K	N/A
8m/25'	25mm	365g	-6080K	N/A



Hi-Vis Cased

Blade Length	Blade Width	Weight each	Order Code SEN-536	
Metric Only Blades				
3m	16mm	125g	-1440K	N/A
5m	19mm	195g	-1460K	N/A
Metric & Inch Blades				
3m/10'	16mm	130g	-1430K	N/A
5m/16'	19mm	215g	-1450K	N/A
7.5m/25'	25mm	365g	-1480K	N/A
10m/33'	25mm	470g	-1500K	N/A

Plastic Cased



Blade Length	Blade Width	Weight each	Order Code SEN-536	
7.5m/25'	25mm	195g	-0360K	N/A

Pull/Push Tape Measures

With spring blade return. Self-adjusting hook for internal and external reading. Metric and inch readings. ABS casing. End hook has two rivets, graduated with 1/32", 1/16" and mm.



EEC CLASS II ACCURACY

Blade Length	Blade Width	Order Code SEN-536	
2m/6'	13mm	-1130K	N/A
3m/10'	13mm	-1140K	N/A

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KENNEDY Steel Tape Measures

Non-reflective steel tape with nylon coated blade for maximum durability. The tape is housed in a high impact ABS plastic case with flush winding handle and belt clip. For ease of use, the tape is finished off with a handy plastic loop and metal end hook.

NEW



Blade Length	Order Code KEN-536	
20m/66'	-3720K	N/A
30m/100'	-3740K	N/A

SENATOR QUALITY TOOLING Fibreglass Tape Measures

A high tensile strength fibreglass blade that is both water- and corrosion-proof. It has an easy to read dual scale (metric and imperial), reinforced blade tip and metal end claw. The tape is presented in an impact resistant ABS plastic case with flush fitting winding handle and convenient strap handle

NEW



Blade Length	Blade Width	Order Code SEN-536	
10m/33'	9.5mm	-2420K	N/A
20m/66'	9.5mm	-2440K	N/A
30m/100'	9.5mm	-2460K	N/A

Surveyor's Fibreglass Tape Measures

A high tensile strength fibreglass tape that will never kink or rust. It is white on one side and yellow on the other to help prevent twisting and the blade is double-coated to protect the markings which feature both metric and imperial measurements. Housed in a robust ABS open frame with folding end claw and large D type handle with rubber insert for a comfort grip. It also has a quick, 2x fast retraction function and marking spike.

NEW



Blade Length	Order Code KEN-536	
50m/165'	-3960K	N/A
100m/330'	-3990K	N/A

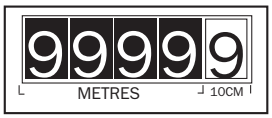
Road Measuring Wheel with Carry Case

Ideal for measuring distances to quantify distance or area for accurate ordering of aggregates, turf, tarmac, slabs and other large area requirements. Gear driven 5-digit counter mechanism with weather resistant housing, 'exact' point indicator, trigger operated brake, spring loaded kickstand and two reset buttons.



Supplied in a carry case

Metric Only



Five digit counter - reads up to 9,999.9m (10km)



Wheel Circumference	Weight Each	Order Code KEN-536	
320mm	2.00kg	-9000K	N/A

HAND TOOLS

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YAMOTO Folding Pocket Knife

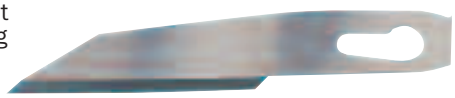
Zinc die cast body. For all general-purpose cutting and trimming applications.
Body length: 100mm.
Open length: 135mm. Spring blade mechanism automatically locks the blade in open or closed position. Two blades can be stored in the body. Can be fitted to key ring.



Overall Length	Weight each	Order Code YMT-537
135mm	84g	-1500K

Folding Pocket Knife Blades

Spare Knife Blades
Pack of five blades to suit (YMT -537-1500K) folding knife.



Pack Quantity	Weight each	Order Code YMT-537
5	22g	-1520K
50	22g	-1530K

KENNEDY Disposable Knife

Fixed ground steel blade. Non-slip finger/thumb grip. Ideal for industrial use, modelling and craft work.



Supplied with plastic safety cap with pocket clip.

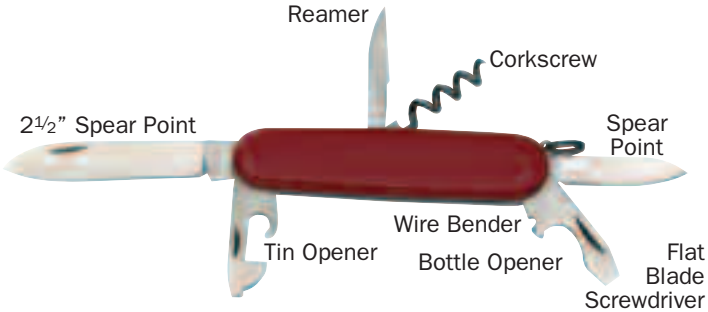




Overall Length	Weight each	Order Code KEN-537
155mm	9g	-0070K

SENATOR QUALITY TOOLING 6-Blade Pocket Knife

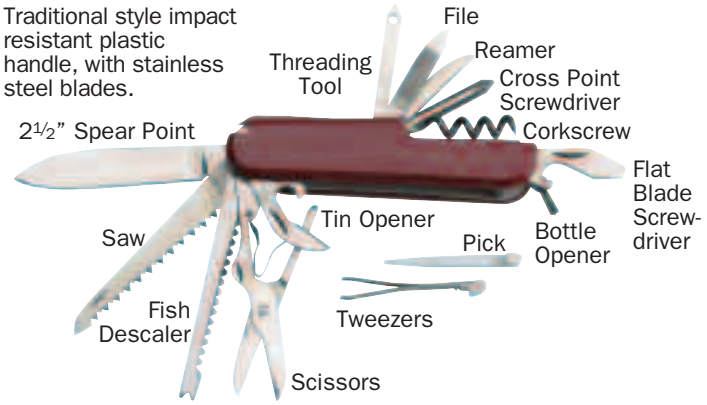
Traditional style impact resistant plastic handle, with steel blades.



Spear Point	2½" Spear Point	Scissors	Screwdriver & Bottle Opener	Tin Opener	Corkscrew	Wire Bender	Piercer/Reamer	File	Key Ring	No. of Blades	Order Code SEN-537
✓	✓	-	✓	✓	✓	✓	✓	-	✓	6	-1050K

11-Blade Pocket Knife

Traditional style impact resistant plastic handle, with stainless steel blades.



2½" Spear Point	Saw	Scissors	Screwdriver & Bottle Opener	Tin Opener	Screwdriver	Fish descaler	Piercer/Reamer	Corkscrew	File	Threading Tool	Toothpick	Tweezers	No. of Blades	Order Code SEN-537
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11	-1100K

SENATOR QUALITY TOOLING Locking Knife

With rosewood handle. Stainless steel blade and brass fittings.



Blade Length	Weight each	Order Code SEN-537
3"	160g	-1200K
4"	170g	-1300K

2-Blade Pocket Knife

With traditional style rosewood handle. Stainless steel blade and brass fittings.



Blade Length	Weight each	Order Code SEN-537
2"	95g	-1000K

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SENATOR QUALITY TOOLING Utility Knives

A range of knives with contoured moulded grips and steel slides that prevent blade slippage or case splitting and gives the knife a smooth action. Snap-off blade knives have a blade locking mechanism in the thumb slide. Replacement blades available on request.

Snap-off Blade
8 segment, 18mm heavy duty.



Overall Length	Weight each	Order Code SEN-537
130mm	60g	-0330K

Snap-off Blade
13 segment, 9mm standard.



Overall Length	Weight each	Order Code SEN-537
130mm	60g	-0430K

Snap-off Blade Knife
8 segment, 18mm economy.



Overall Length	Weight each	Order Code SEN-537
130mm	60g	-0410K

YAMOTO Trimming Knives

Turn anti-clockwise to unlock. Turn continuously to disassemble for blade change.



13 Segments



8 Segments

NEW

Number of Segments	Order Code YMT-537
13	-4650K
8	-4620K

KENNEDY QUALITY INDUSTRIAL TOOLING Snap-off Knife Blades

Kennedy Industrial quality knife blades have a superior edge hardening for longer tool life and sharper edge. Best value with longer working between blade changes and with easy, safe segment-snap to renew leading edge.

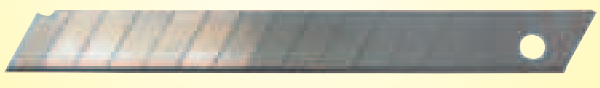
18 x 100mm - 8 segment



9 x 55mm - 7 segment



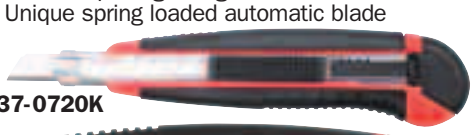
9 x 91mm - 13 segments



Overall Length	Pack Quantity	Weight each	Order Code KEN-537
18 x 100	10	72g	-2050K
	100	73g	-2060K
9 x 55	100	143g	-2020K
9 x 91	10	23g	-2110K
	100	108g	-2120K

KENNEDY QUALITY INDUSTRIAL TOOLING Autoload & Lock Knives

ABS plastic with rubber coating for extra grip, steel blade slides which prevent blade slippage or case splitting and gives the knife a smooth action. Snap off blade. Unique spring loaded automatic blade replacement.



KEN-537-0720K



KEN-537-0740K

Overall Length	Blade Segments	Weight each	Order Code KEN-537
140mm	13	65g	-0720K
170mm	8	165g	-0740K

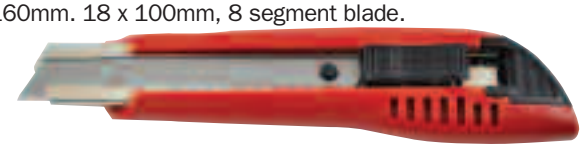
Snap-off Blade Retractable Knives

High strength ABS plastic construction with slider lock.

Mini: 140mm. 9 x 91mm, 13 segment blade.



Standard: 160mm. 18 x 100mm, 8 segment blade.



Overall Length	Weight each	Order Code KEN-537
140mm	32g	-0310K
160mm	86g	-0350K

Mini: 9 x 91mm, 13 segment blade.



Overall Length	Weight each	Order Code KEN-537
130mm	21g	-0290K

Standard: 18 x 100mm. 8 segment blade.



Overall Length	Weight each	Order Code KEN-537
160mm	38g	-0370K

Ultra Slim
Precision knife. Black coated. 13 segment, blade 9 x 91mm.



Overall Length	Weight each	Order Code KEN-537
130mm	20g	-0250K

Micro Knife
9 x 55mm, 8 segment blade, without slider lock.



Overall Length	Weight each	Order Code KEN-537
80mm	70g	-0200K

YAMOTO Snap Off Knife Blades

NEW

Best value with longer working between blade changes and with easy, safe segment-snap to renew leading edge.



Number of Segments	Pack Quantity	Order Code YMT-537
8	10	-1010K
	100	-1020K
13	10	-1080K
	100	-1090K

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KENNEDY QUALITY INDUSTRIAL TOOLING

Automatic Retractable Safety Knife

Combined safety knife and strap/tape cutter. Features auto retractable blade and quick blade release, together with bi-material comfort grip. Accepts medium, heavy duty and hook blades.

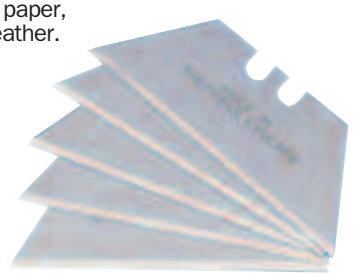


Product Number	Order Code KEN-537
SX1212	-0780K
Blades (pkt 3)	-7610K

Knife Blades

Kennedy Industrial quality knife blades have a superior edge hardening for longer tool life and sharper edge. Best value with longer working between blade changes. For use with fixed and retractable trimming knives and window scrapers. Suitable for Kennedy, Stanley, Irwin and other brands of knife.

Medium Duty
For use on paper, card and leather.



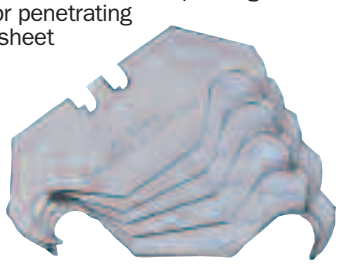
Pack Quantity	Weight per pack	Order Code KEN-537
5	30g	-2540K
100	250g	-2550K

Heavy Duty
For use on carpets and vinyl. Pack of five supplied in plastic case. Bulk pack of 100 supplied in card box.



Pack Quantity	Weight per pack	Order Code KEN-537
5	30g	-2560K
10	55g	-2500K
100	250g	-2570K

Hook Type
With point, suitable for use in packing industries for penetrating and cutting sheet materials.



Pack Quantity	Weight per pack	Order Code KEN-537
5	30g	-2580K
100	250g	-2590K

Automatic Retractable Quick Release Safety Knife

Designed for comfort and ease of use, this knife has auto retractable blade and bi-material comfort grip. It also features quick blade release and easy release blade storage. Comes complete with 4 blades.



Product Number	Order Code KEN-537
SX660	-0790K

Trimming Knife

Fixed - Complete with 5 Blades
Die cast body with heavy duty knurled style for extra grip which provides a greater degree of control and comfort.



Overall Length	Weight each	Order Code KEN-537
135mm	150g	-0530K

Hercules Pattern Trimming Knife

Fixed Blade
Heavy duty fixed blade pattern, with interlocking body to prevent blade pop up during arduous cutting applications. The spring opening mechanism allows rapid replacement of dulled blades without the need for any other tool. Spare blades are stored in body. Supplied with impact resistant scabbard, integral belt clip and pencil holder for safe storage.



The spring opening mechanism allows rapid replacement of dulled blades

Overall Length	Weight each	Order Code KEN-537
185mm	347g	-0480K

AVON

Carton Opener

NEW

For cutting through loading straps, extracting staples and slitting tape without damaging the contents. In-handle blade storage. Spring loaded blade guard, retractable slitting blade, complete with spare blade.
Overall length: 190mm



Overall Length	Order Code AVN-537
180mm	-0030K

SENATOR QUALITY TOOLING

Carton & Strap Cutter

For use on carton tape and plastic strapping. The blade is partially exposed to prevent accidental cuts.



Overall Length	Weight each	Order Code SEN-537
80mm	10g	-2000K

YAMOTO

Trimming Knife Blades

Heavy-duty. For use on carpets and vinyl etc.



Pack Quantity	Order Code YMT-537
5	-4310K
10	-4320K
100	-4330K

AVON

Cutting Safety Knife

High impact plastic handle with enclosed blade to ensure maximum user safety. Suitable for left and right handed users.





Overall Length	Weight each	Order Code AVN-537
154mm		-0020K

Fish 2000 Safety Knife

The Avon™ Fish 2000 safety knife has an enclosed blade within a 4.7mm gap and an auto-retracting hook blade, to ensure maximum user safety and to reduce accidental damage to the product in the carton being opened. It is suitable for both left and right-handed users.





Overall Length	Weight each	Order Code AVN-537
155mm	50g	-0010K

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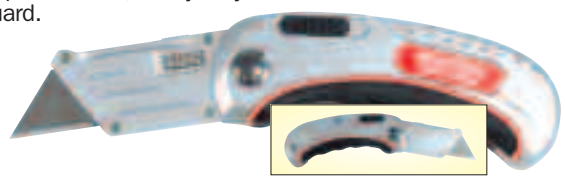
KENNEDY Quick Release Folding Knife

Quick release blade and folds to 9 x 3.5cm to stow using the integral belt clip. Accepts medium, heavy duty and hook blades.
With blade guard.



Product Number	Order Code KEN-537
KQF935	-0640K

Trimming Knife

Retractable Blade Knife with Scabbard
Trimming knife supplied with heavy duty blade and impact resistant scabbard.



Overall Length	Weight each	Order Code KEN-537
170mm	300g	-1000K

Retractable - Complete with 5 Heavy Duty Blades
Slimline diecast body with contoured grip which provides a greater degree of control and comfort. High carbon steel blades.
Up to five spare blades can be stored in the handle.



Overall Length	Weight each	Order Code KEN-537
155mm	170g	-0510K

Quick Release Utility Knife

Classic design which features quick blade release, comfort grip handle and useful lanyard hole.



Product Number	Order Code KEN-537
SX75N	-0800K

Twin Headed Quick Release Utility Knife

Two knives in one with an interlocking mechanism which ensures only one blade can be used at a time. Features quick blade release and easy blade change function.



Product Number	Order Code KEN-537
SX3200	-0810K

SENATOR QUALITY TOOLING Retractable Trimming Knife

Diecast aluminium body with retractable locking blade, built-in hanging hook. Complete with one spare blade.



Overall Length	Weight each	Order Code SEN-537
160mm	150g	-0500K

Quick Change Utility Knife

An innovative sliding blade holder with durable soft touch composite casing. Quick and easy to change blade with no tools needed. Compatible with all standard utility blades.
One handed operation.







Knife extends to allow auto-retractable blade to be used.



Overall Length	Weight each	Order Code KEN-537
115mm	120g	-1120K

Auto Return
Fixed blade. Spring loaded plastic slide mechanism, automatically retracts the blade back into the handle when pressure is released.
Accepts heavy duty blades only.



Overall Length	Weight each	Order Code KEN-537
150mm	165g	-0515K

Retractable - Complete with 5 Heavy Duty Blades
Slimline die cast body designed to fit comfortably in the hand, with high carbon steel blades. Up to five spare blades can be stored in the handle.



Overall Length	Weight each	Order Code KEN-537
160mm	120g	-0500K

YAMOTO Wheel Lock Fixed Blade Trimming Knife

NEW

Turn anti-clockwise to unlock. Turn continuously to disassemble for blade change.



Overall Length	Order Code YMT-537
155mm	-4520K

Wheel Lock Retractable Blade Trimming Knife

Turn anti-clockwise to unlock. Turn continuously to disassemble for blade change.

NEW



Overall Length	Order Code YMT-537
175mm	-4540K

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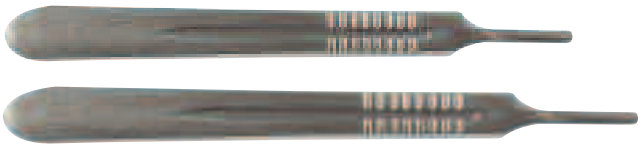
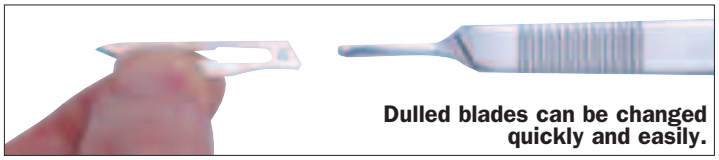
KENNEDY Non-Sterile Handles

No.3 & 4 Style
Non-sterile nickel alloy handle with textured body. For precision use in modelling and craft work.



Handle Type	Overall Length	Weight each	Order Code KEN-537
No.3	123mm	27g	-7230K
No.4	135mm	27g	-7240K





Dulled blades can be changed quickly and easily.

Carbon Steel Non-Sterile Blades

No.10A
Non-sterile, for use with No.3 type handle.



Style	Pack Quantity	Order Code KEN-537
10A	100	-7015K

No.11
Non-sterile, for use with No.3 type handle.



Style	Pack Quantity	Order Code KEN-537
11	100	-7025K

No.15
Non-sterile, for use with No.3 type handle.



Style	Pack Quantity	Order Code KEN-537
15	100	-7035K

No.21
Non-sterile, for use with No.4 type handle.



Style	Pack Quantity	Order Code KEN-537
21	100	-7045K

No.22
Non-sterile, for use with No.4 type handle.



Style	Pack Quantity	Order Code KEN-537
22	100	-7055K

No.23
Non-sterile, for use with No.4 type handle.



Style	Pack Quantity	Order Code KEN-537
23	100	-7065K



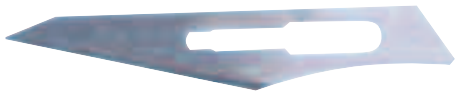
Each blade is packaged in safety foil for easier handling.

No.24
Non-sterile, for use with No.4 type handle.



Style	Pack Quantity	Order Code KEN-537
24	100	-7075K

No.26
Non-sterile, for use with No.4 type handle.



Style	Pack Quantity	Order Code KEN-537
26	100	-7085K

Precision Knives

Suitable for modellers art and craft workers and wood carvers. Ideal for making point of sale samples where precision cutting is required. Available in three styles:

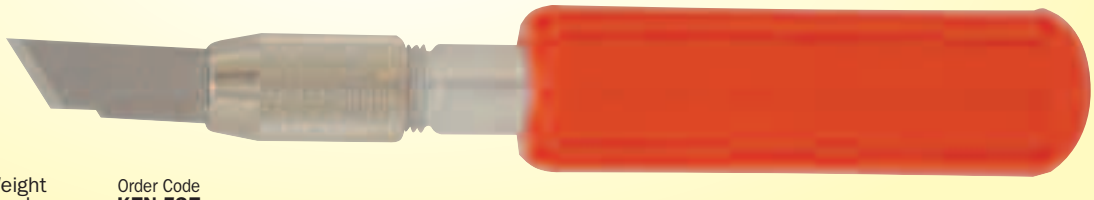
Light duty: lightweight, small diameter aluminium handle suitable for cutting on paper, soft and lightweight materials or wood.



Medium duty: lightweight, large diameter aluminium handle suitable for cutting heavy paper and medium density materials.



Heavy duty: fluted, ABS plastic handle suitable for working with hardwood, plastic and other difficult to cut materials.



Product Number	Duty	Weight each	Order Code KEN-537
TK1	Light	28g	-4610K
TK2	Medium	47g	-4620K
TK5	Heavy	47g	-4630K

For replacement blades see next page

HAND TOOLS

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KENNEDY 16-Piece Precision Knife Set

Multi-purpose knife set, ideal for modelling, craft work and industrial use. Covers a wide range of applications including cutting, chiselling, stencilling and scoring. All holders have a positive guide locator to provide extra safety when changing blades.

Contents:
1x light duty holder.
1x medium duty holder.
1x fluted ABS holder.
1x general cutting and trimming blade.
1x general cutting and slicing blade.
3x detail cutting and stripping blade.
1x medium/heavy duty cutting blade.
1x stencilling and scoring blade.
1x precision wood chiselling blade.
1x deep cross and smooth wood chiselling blade.
2x chiselling and trimming blade.
1x heavy duty cutting blade.
1x close corner cutting blade.



Number Of Pieces	Weight each	Order Code KEN-537
16	235g	-5100K

Kennedy Precision Blades

General Cutting & Trimming



Pack Quantity	Weight each	Order Code KEN-537
10	9g	-7520K

General Cutting & Slicing



Pack Quantity	Weight each	Order Code KEN-537
10	9g	-7280K

Detail Cutting & Stripping



Pack Quantity	Weight each	Order Code KEN-537
5	8g	-7310K

Stencilling & Scoring



Pack Quantity	Weight each	Order Code KEN-537
5	9g	-7350K

Precision Wood Chiselling



Pack Quantity	Weight each	Order Code KEN-537
5	12g	-7550K

Deep Cross & Wood Chiselling



Pack Quantity	Weight each	Order Code KEN-537
5	9g	-7400K

Chiselling & Trimming



Pack Quantity	Weight each	Order Code KEN-537
10	10g	-7410K

Heavy Duty Cutting



Pack Quantity	Weight each	Order Code KEN-537
5	9g	-7420K

Close Corner Cutting



Pack Quantity	Weight each	Order Code KEN-537
10	9g	-7480K

Medium/Heavy Duty Cutting



Pack Quantity	Weight each	Order Code KEN-537
10	10g	-7470K

Group 518

Group 537

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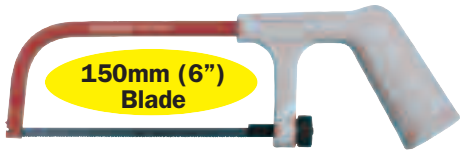
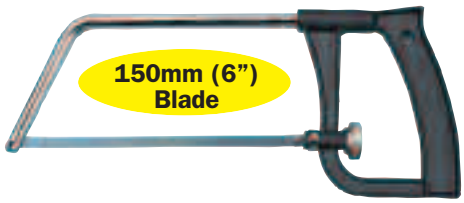
KENNEDY Hacksaw Frames

Beaver Style
High impact resistant pistol grip. Steel oval section frame for strength and rigidity. Thumb screw blade tensioning. Supplied complete with 150mm (6") 18tpi metal cutting blade.



Overall Length	Weight per 12	Order Code KEN-538
275mm	1.80kg	-0630K

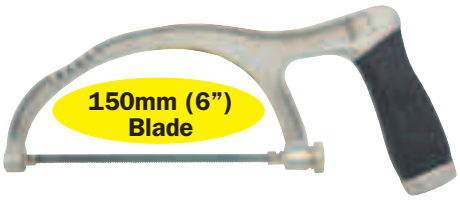
Pro-Grip Junior
Rigid steel frame. Contoured die cast handle with knuckle guard. Thumb screw blade tensioner. Complete with 150mm (6") blade.



Overall Length	Weight per 12	Order Code KEN-538
235mm	2.50kg	-0550K

Low Profile Junior Hacksaw

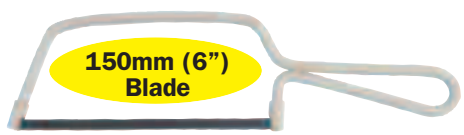
Manufactured from rigid and lightweight aluminium with hi-strength I-beam frame. Moulded 'soft touch' cushion grip. Supplied with blade.



Overall Length	Weight per 12	Order Code KEN-538
250mm	2.70kg	-0500K

Standard Junior Pattern

Epoxy coated spring steel frame, keeps the blade tensioned correctly at all times. Suitable for smaller applications, where the workpiece cannot be held firmly. Complete with blade 150mm (6") 32tpi.



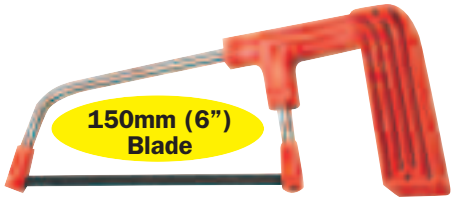
Overall Length	Weight per 50	Order Code KEN-538
260mm	6.40kg	-0600K

Spare Blade

Type	Length (mm)	TPI	Order Code KEN-040
Metal	150	32	-0620K
Wood	150	14	-0640K

Mini Hand Saw - Comfort Grip

Plastic pistol grip with slip resistant grooves, spring steel frame. Complete with blade.



Overall Length	Weight per 12	Order Code KEN-538
216mm	1.20kg	-0620K

Tile Saw

Abrasive coated blade suitable for cutting intricate shapes, to allow flush fitting of tiles. Supplied with one blade.



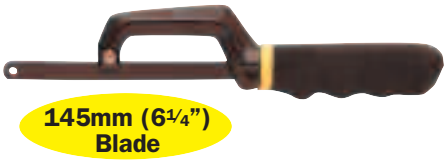
Overall Length	Weight each	Order Code KEN-538
200mm	210g	-3600K

Spare Blades to suit above

Length (mm)	Pack Qty	Order Code KEN-040
150mm (6")	1	-1400K

Pad Saw

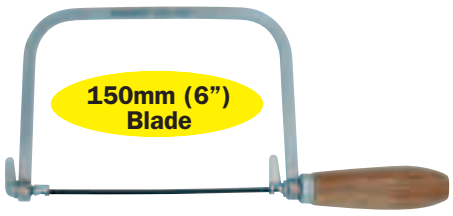
Heavy duty foam grip. Accepts ½" deep hacksaw blades. Suitable for use in areas of awkward access. **Blade length:** 145mm.



Overall Length	Weight each	Order Code KEN-538
275mm	130g	-1000K

Coping Saw

For cutting and shaping in wood. Steel frame and wooden handle. Supplied with 150mm (6") blade.



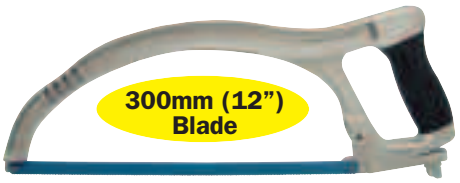
Overall Length	Weight each	Order Code KEN-538
290mm	200g	-2100K

Spare Blades to suit above

Length (mm)	TPI	Pk Qty	Order Code KEN-040
150 (6")	14	10	-1020K

Low Profile Hacksaw

Manufactured from rigid and lightweight aluminium with hi-strength I-beam frame. Moulded 'soft touch' cushion grip. Features wing nut blade tensioning and 0° and 45° blade settings. Supplied with blade.



Overall Length	Weight per 5	Order Code KEN-538
400mm	2.75kg	-0800K

YAMOTO 6" Junior Hacksaw

Featuring an aluminium handle and tension adjustment screw, this junior hacksaw is supplied with a 150mm (6") general purpose blade.



Blade Length	Weight each	Order Code YMT-538
150mm		-0300K

6" Quick Release Junior Hacksaw

Featuring a quick release mechanism for fast and easy blade change, this hacksaw combines a robust design with a moulded handle. It comes supplied with a 150mm (6") general purpose blade.



Blade Length	Weight each	Order Code YMT-538
150mm		-0310K

SENATOR QUALITY TOOLING 6" Junior Hacksaw

Comprising a robust steel frame with finger guard, this lightweight hacksaw comes supplied with a 150mm (6") general purpose blade



Blade Length	Order Code SEN-538
150mm	-0300K

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SENATOR QUALITY TOOLING Hacksaw Frame

Lightweight body with wing nut blade tensioner. Suitable for light duty and workshop use. Supplied with blade.



Overall Length	Weight per 6	Order Code SEN-538
440mm	3.10kg	-0010K

Adjustable Hacksaw

Accepts 250/300mm (10”/12”) blades. Suitable for light duty and workshop use. Supplied with blade.

Group 040



Overall Length	Weight each	Order Code SEN-538
430mm	300g	-0650K

10 - 12" Adjustable Hacksaw

A general purpose hacksaw, this Senator model with tension adjustment screw can be adjusted to hold a 250mm (10") or 300mm (12") blade. It comes supplied with a 300mm (12") general purpose blade.

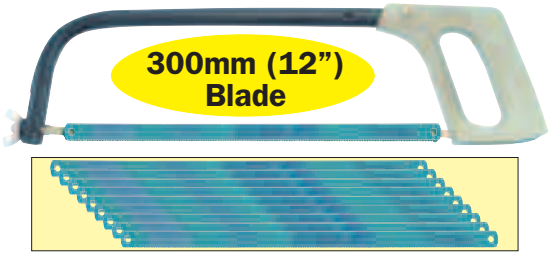
NEW



Blade Length	Weight each	Order Code SEN-538
440mm	3.10kg	-0390K

KENNEDY QUALITY INDUSTRIAL TOOLING Hacksaw Frame & Blade Set

250/300mm (10”/12”) hacksaw frame with **10x** 12” x 1/2” x 18 TPI HSS blades.

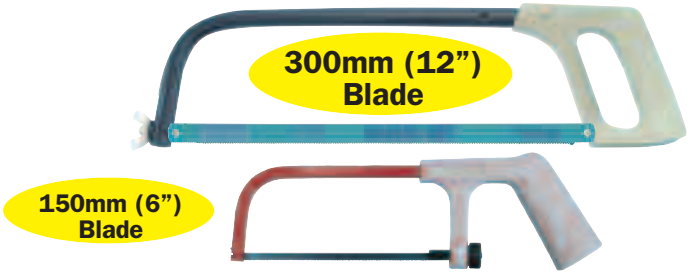


Contents	Weight each	Order Code KEN-538
As above	850g	-3050K

2-Piece Hacksaw Set

2 PIECES

Beaver style 150mm (6”) junior hacksaw and 250/300mm (10”/12”) adjustable hacksaw with wing nut tensioner.



Contents	Weight each	Order Code KEN-538
As above	850g	-3000K

KENNEDY QUALITY INDUSTRIAL TOOLING Professional ‘Plus’ Hacksaw

Heavy duty steel frame with front grip and ‘D’ style handle with grooved slip resistant rubber inlay for positive control and comfort. Wing nut and lever blade tensioning. The blade can be set at 45° to the frame to allow flush cutting. Supplied with blade.



Overall Length	Weight per 5	Order Code KEN-538
400mm	3.80kg	-2350K

Adjustable Hacksaw

Die-cast ‘D’ style handle for user comfort and control. Epoxy coated tubular steel frame for strength and rigidity. The blade can be set at 90° to the frame to allow cutting in areas with restricted access. Wing nut blade tensioning. Accepts 250mm (10”) and 300mm (12”) blades. Supplied with blade.



Overall Length	Weight per 5	Order Code KEN-538
475mm	3.20kg	-0650K

Offset Hacksaw Frame

For use in awkward applications and for flush cutting. Heavy duty die-cast aluminium handle with a chrome plated, steel frame. Supplied with blade.

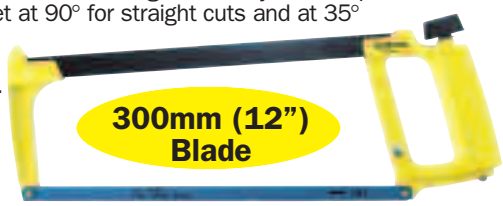


Reaches the parts other frames cannot reach . . .

Overall Length	Weight per 5	Order Code KEN-538
300	2.10kg	-0700K

YAMOTO Lightweight Hacksaw Frame

Strong and rigid construction frame with die-cast aluminium handle. Wing nut and lever blade tensioning allow easy blade replacement. The blade can be set at 90° for straight cuts and at 35° to the frame for flush cutting. Supplied with blade.



Overall Length	Weight per 5	Order Code YMT-538
400mm	3.80kg	-2250K

12" Comfort Grip Hacksaw

Combining robustness with comfort, this 12" (300mm) hacksaw features contoured handle, 45° and 90° blade positioning and tension adjustment screw. It comes supplied with a 300mm (12") general purpose blade.

NEW



Blade Length	Weight each	Order Code YMT-538
300mm		-0430K

HAND TOOLS

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KENNEDY QUALITY INDUSTRIAL TOOLING

Lightweight Pressed Steel G-Clamps

Welded steel frame with chrome-plated steel screw, handle and swivel shoes.
Suitable for light duty applications.



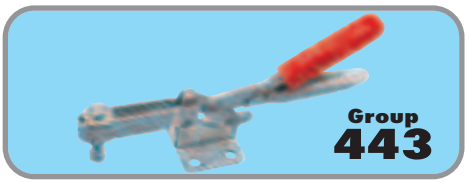
Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
Standard			
25	27	80g	**-1970K**
50	25	130g	**-1980K**
75	35	310g	**-1990K**
100	48	600g	**-2000K**
Deep			
63	66	360g	**-2010K**

Medium Duty G-Clamps

Engineer's clamps with cast anti-twist ribbed frame. For tradesmen, light engineering, woodworker's etc.

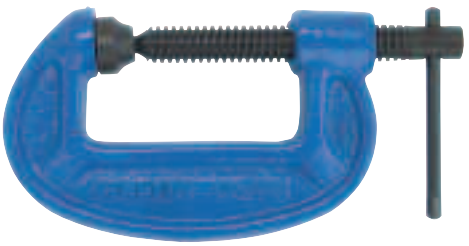


Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
75	40mm	0.75kg	**-2730K**
100	52mm	1.40kg	**-2740K**
150	82mm	2.00kg	**-2760K**



Heavy Duty G-Clamps

Manufactured from drop forged ribbed anti-twist frame steel suited to fabrication and other heavy applications, etc.



Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
50	33mm	0.35kg	**-2020K**
75	40mm	0.75kg	**-2030K**
100	52mm	1.40kg	**-2040K**
150	82mm	2.00kg	**-2060K**
200	100mm	3.00kg	**-2080K**
250	123mm	5.10kg	**-2100K**
300	127mm	7.60kg	**-2120K**

Extra Heavy Duty G-Clamps

Manufactured from drop forged steel ribbed anti-twist frame suited to fabrication and welding applications, etc.



Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
50	32mm	0.45kg	**-2220K**
75	43mm	0.70kg	**-2230K**
100	52mm	1.40kg	**-2240K**
150	72mm	1.90kg	**-2260K**
200	110mm	4.50kg	**-2280K**
250	123mm	6.00kg	**-2300K**
300	130mm	9.00kg	**-2320K**

Extra Heavy Duty G-Clamps - Copper Plate Screw

Manufactured from drop forged ribbed anti-twist frame steel suited to fabrication and welding applications, etc. Resistant to rusting and weld spatter.



Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
50	40mm	0.60kg	**-2420K**
75	50mm	0.70kg	**-2430K**
100	65mm	1.30kg	**-2440K**
150	90mm	3.00kg	**-2460K**
200	110mm	4.50kg	**-2480K**
250	130mm	5.90kg	**-2500K**
300	150mm	9.10kg	**-2520K**

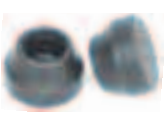
Heavy Duty Deep Throat Clamps

Specialist clamp manufactured from drop forged steel, with extra throat depth for clamping workpieces further in from the edges, allowing a greater range of applications.



Capacity (mm)	Throat Depth	Weight each	Order Code KEN-539
50	60mm	460g	**-2620K**
75	80mm	955g	**-2630K**
100	115mm	2195g	**-2640K**

Spare Shoes for Heavy, Medium Duty & Deep Throat G-Clamps

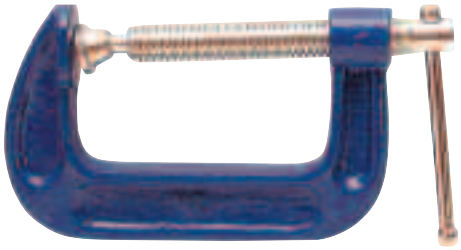


Shoe to fit (mm)	Weight each	Order Code KEN-567
50	10g	**-5020K**
75	15g	**-5030K**
100	30g	**-5040K**
150	40g	**-5060K**

SENATOR QUALITY TOOLING

Light Duty Cast G-Clamps

Light duty cast steel. Suitable for tradesmen, engineers, woodworkers etc.

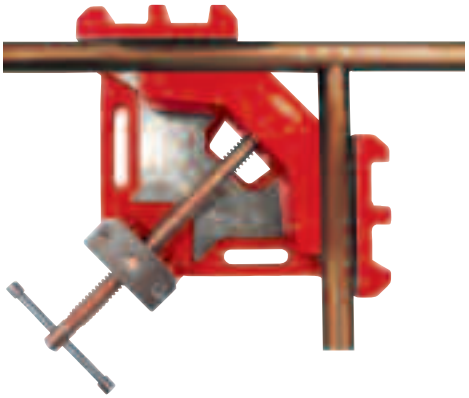


Capacity	Weight each	Order Code SEN-539
50mm	195g	**-1020K**
100mm	675g	**-1040K**
150mm	1340g	**-1060K**

KENNEDY QUALITY INDUSTRIAL TOOLING

90° Welding Angle Clamp

One man set up and operation, made from cast iron, copper plated spindle for spatter protection, T-Handle enables high pressure for secure clamping, easy fixing to a work bench or machine tool table.

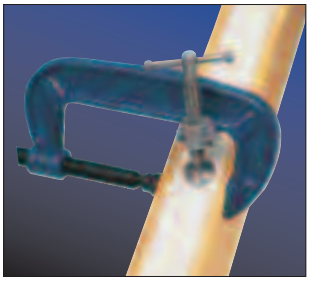


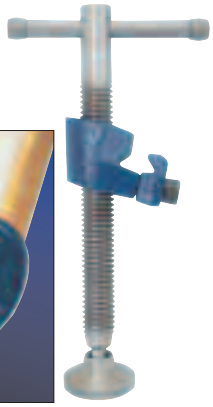
Capacity (mm)	Weight each	Order Code KEN-539
60mm	05.3kg	**-0360K**
90mm	10.5kg	**-0390K**

G-Clamp Adaptor

Acts as a 'third arm' allowing many clamping set-ups not normally possible without the use of additional or oversized clamps. Locates onto the cross-section of the clamp frame allowing clamping pressure to be applied between the clamp frame and the workpiece.

Clamps supplied separately - see above





G-Clamp Adaptor	Weight each	Order Code KEN-539
95mm (3¾")	420g	**-3590K**

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KENNEDY QUALITY INDUSTRIAL TOOLING Spring Action Gripper Clamps

Designed for speed and convenience. One hand operation gripping most materials. Durable non marking jaws pivot to hold irregular shaped workpieces. Contoured handle for non-slip grip with serrated jaws for extra firm holding.



Provides a Third Hand

PACK OF 4

Overall Length	Jaw Opening (max.)	Throat Depth	Weight per 4	Order Code KEN-539
120mm	40mm	45mm	248g	**-5300K**
150mm	60mm	65mm	250g	**-5320K**
210mm	90mm	100mm	772g	**-5340K**

Gripper Clamp Set

Spring loaded clamps, as above.

12 Piece Set Contents:
4x 120mm,
4x 150mm,
4x 210mm.

12 PIECES



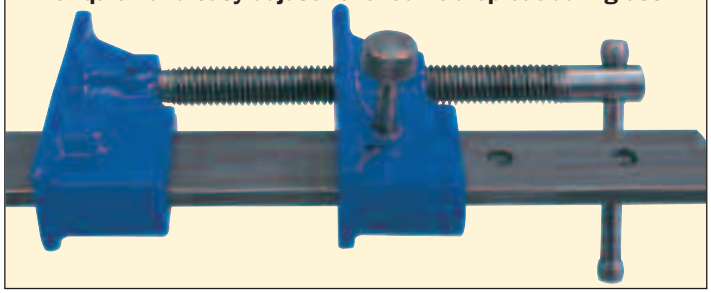
Number of Pieces	Weight	Order Code KEN-539
12	1564g	**-5400K**

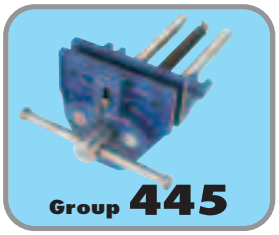
Sash Clamps

Used for a wide range of long reach clamping applications. SG ductile cast iron heads and slides, bars are manufactured from bright drawn steel. Main screw and handles are made from high grade steel.



Unique spring load pin mechanism:
For quick and easy adjustment. Can't drop out during use.



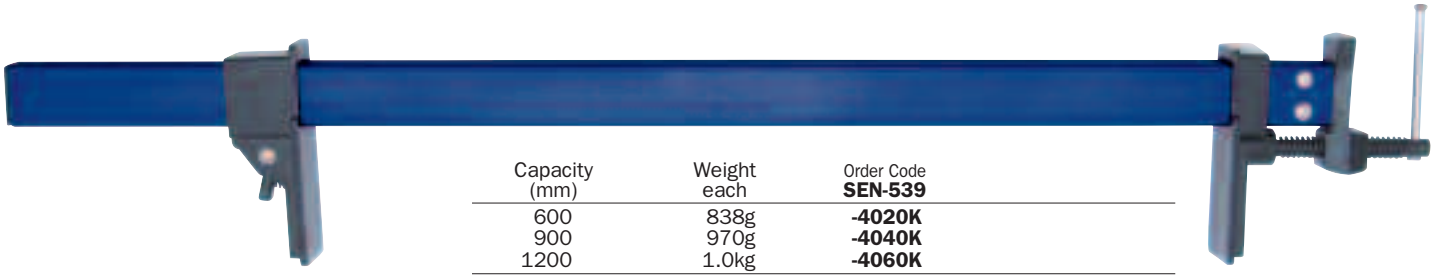


High Grade Steel for Heavy Duty Applications

Capacity (mm)	Weight each	Order Code KEN-539
600	2.20kg	**-3820K**
910	2.75kg	**-3840K**
1220	3.25kg	**-3860K**
1670	4.00kg	**-3880K**

SENATOR QUALITY TOOLING Lightweight Sash Clamps

Manufactured from high grade lightweight aluminium. Lever sprung quick adjust tail slide mechanism allows one-handed instant adjustment. Large 3" clamping pads help reduce footprint on the workpiece. Designed for clamping large work pieces during assembly.



Capacity (mm)	Weight each	Order Code SEN-539
600	838g	**-4020K**
900	970g	**-4040K**
1200	1.0kg	**-4060K**

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KENNEDY PROFESSIONAL One Handed Quick Action Bar Clamps

Kennedy Professional Dual Action Quick Clamps are designed for use one handed for speed and convenience. The pistol grip handle houses a ratchet clamping mechanism that incrementally applies clamping force when you pull the trigger. To release or reposition the clamp jaw hold down the quick release button and slide the jaw along the bar. Can be used as a bar clamp or as a spreader simply by turning the handle around.

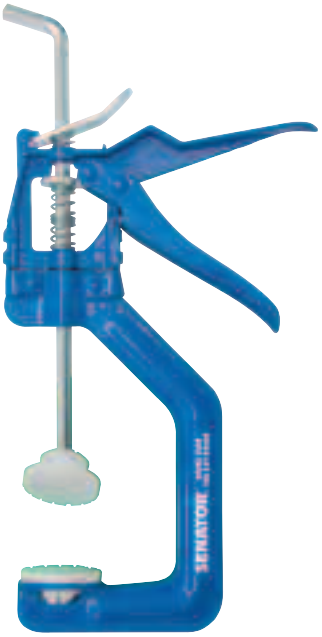
Features include: 90mm throat depth. Clamping force of up to 180kg. Quick release buttons for both jaws allows them to be positioned quickly anywhere on the bar and can be turned around to act as a spreader. Heavy duty steel bar. Non-slip clamp faces.



Capacity (mm)	Spread Range (mm)	Clamping Force	Order Code KEN-539
175	190 - 425	180kg	-3330K
325	190 - 580	180kg	-3360K
475	190 - 730	180kg	-3390K
625	190 - 880	180kg	-3420K
925	190 - 1125	180kg	-3450K

SENATOR QUALITY TOOLING One-Handed Speed Clamp

Manufactured from pressed steel for strength and durability. Trigger adjustment based on the sealant cartridge applicator gun. Quick release thumb lever. High strength hexagonal steel thrust rod with swivel shoe for clamping non parallel surfaces. High strength plastic contact pads.



Capacity (mm)	Throat Depth (mm)	Order Code SEN-539
100	56	-5500K

KENNEDY QUALITY INDUSTRIAL TOOLING One-Handed, Quick Action Bar Clamps

Designed for speed and convenience with a comfortable ratchet handle design. The pistol grip handle allows you to hold the clamp and slide the jaw to work with one hand. Fitted with a quick release button and soft interchangeable pads which eliminate the need to find wood blocks to protect your work. Can be used as a bar clamp and can also convert into a spreader in seconds without the need for any other tools.



Capacity (mm)	Spread Range (mm)	Clamping Force	Order Code KEN-539
150	120-350	90kg	-3060K
300	180-500	90kg	-3120K
450	180-650	90kg	-3180K
600	180-800	90kg	-3240K

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KENNEDY T-Handle Clamps

General purpose. Manufactured from medium heat treated carbon steel finished with nickel and chrome plating.
Steel T-spindle for extra clamping force.

Quick Action



Capacity (mm)	Throat Depth (mm)	Order Code KEN-539
160	80	**-0500K**
200	100	**-0520K**
250	110	**-0540K**
300	110	**-0560K**
400	110	**-0580K**
500	110	**-0600K**
600	110	**-0620K**

Wooden Handle Speed Clamps

Manufactured from medium heat treated carbon steel with nickel and chrome plated finish. With a straight wooden handle for easy clamping.

Easy To Use



Capacity (mm)	Throat Depth (mm)	Order Code KEN-539
120	60	**-0800K**
160	80	**-0820K**
200	100	**-0840K**
250	130	**-0860K**
300	130	**-0880K**
400	110	**-0900K**
600	110	**-0940K**

Heavy Duty T-Handle Clamps

Manufactured from heat treated carbon steel for extra strength. Finished with nickel and chrome plating.
Textured T-spindle for extra clamping force.

Thicker Section For Greater Strength

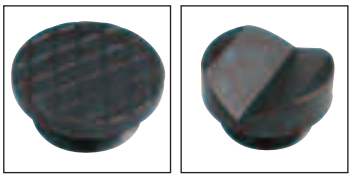


Capacity (mm)	Throat Depth (mm)	Order Code KEN-539
150	60	**-4200K**
200	100	**-4220K**
300	100	**-4280K**

Heavy Duty T-Handle Multi-Hold Clamps

Manufactured from heat treated carbon steel for extra strength. Finished with nickel and chrome plating.
Textured T-spindle for extra clamping force.
Supplied with three replaceable clamping pads for versatility.

Extremely Versatile





Capacity (mm)	Throat Depth (mm)	Order Code KEN-539
250	120	**-4320K**
300	120	**-4340K**
400	120	**-4360K**
500	120	**-4380K**
600	120	**-4400K**

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KENNEDY Liquid Measures

Chemical and oil resistant polyethylene liquid measures.

Graduations:
¼ltr - 10ml,
½ltr - 10ml,
1ltr - 10ml,
2ltr - 20ml,
3ltr - 50ml,
5ltr - 100ml.



Capacity	Weight each	Order Code KEN-540
¼ltr	45g	**-5500K**
½ltr	75g	**-5520K**
1ltr	100g	**-5540K**
2ltr	180g	**-5560K**
3ltr	260g	**-5580K**
5ltr	360g	**-5600K**

Heavy Duty Liquid Measures

Chemical and oil-resistant polyethylene liquid measures. Integral dispensing spout resistant to extreme weather conditions. Can be used in conjunction with dispensing spouts listed below.



Graduations:
½ltr - ¼ and ½ltr,
1ltr - ¼, ½, ¾ltr,
2ltr - ½, 1, 1½ and 2ltr,
3ltr - 1, 1½, 2, 2½ and 3ltr,
5ltr - 1, 2, 3, 4 and 5ltr.

Capacity	Weight each	Order Code KEN-540
½ltr	60g	**-5700K**
1ltr	100g	**-5720K**
2ltr	180g	**-5740K**
3ltr	240g	**-5760K**
5ltr	340g	**-5770K**

Pouring Spouts
Flexible polyethylene, suitable for use with the spouted funnels and measures to allow for easy pouring in awkward areas.

Suitable For	Weight each	Order Code KEN-540
½ & 1ltr Measures	5g	**-5160K**
2, 3, & 5ltr Measures	15g	**-5170K**

Plastic Jerry Cans

Secure water containers manufactured from food grade plastic available in 10, 15 and 20ltr capacities, fitted with a collared screw top for ease of refilling and a twist on-off tap for spill free dispensing. The moulded handle design makes it ideal for transporting and storing water in and around the workplace, home or when travelling.



Capacity litre	Weight each	Order Code KEN-540
10	Water	**-6500K**
15	Water	**-6520K**
20	Water	**-6540K**

Plastic Funnels

Resistant to oil and chemicals. Heavy duty polyethylene which will not shatter or break in cold weather.



Diameter (mm)	Weight each	Order Code KEN-540
50	4g	**-2810K**
75	9g	**-2815K**
100	20g	**-2820K**
120	32g	**-2830K**
150	50g	**-2840K**

Plastic Funnel Set
Contents:
50, 75, 100 and 125mm.



4 PIECES

Number of Pieces	Weight each	Order Code KEN-540
4	75g	**-2890K**

Heavy Duty Plastic Funnels

With anti-splash rims.



Diameter (mm)	Weight each	Order Code KEN-540
160	150g	**-2910K**
200	163g	**-2920K**
250	210g	**-2930K**
350	491g	**-2940K**

Tin-Plated Oil Supply Cans

With easy pour handles for extra stability, extended spout with chain retained end cap and hinged lid cap.



Capacity litre	Weight each	Order Code KEN-540
3	562g	**-2540K**
5	702g	**-2560K**
10	1038g	**-2580K**

Industrial Quality Plastic Funnel

Rectangular
Suitable for use with petrol, oil, water etc.



Size (mm)	Weight each	Order Code KEN-540
250 x 180	210g	**-2900K**

Tin-Plated Industrial Quality Funnels

Suitable for use with petrol, oil, water etc.



Diameter (mm)	Weight each	Order Code KEN-540
150	140g	**-2600K**
200	250g	**-2800K**

Offset Plastic Funnels

With anti-splash rims, removable brass filter, integral handle and rigid offset or 300mm detachable rigid spout. 160mm diameter.

EXTENDED RANGE



Spout Type	Weight each	Order Code KEN-540
Rigid	135g	**-2960K**
Flexible	135g	**-2996K**

Polyethylene Funnel with Lockable Lid

Screws into a standard 2" bung hole on a barrel. Includes a removable filter screen. Capacity 4.5 litres.
Size: 253mm x 200mm



NEW

Number of Pieces	Weight each	Order Code KEN-540
4	75g	**-2680K**

Metal Funnel with Plastic Spout and Filter

Sturdy metal construction complete with integral handle for ease of use, plastic spout and removable filter. High rim design guards against splashing. Flexible spout extension also available (KEN-540-2700K).



NEW

Diameter (mm)	Weight each	Order Code KEN-540
150	140g	**-2690K**
200	250g	**-2700K**

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KENNEDY Lever Pump

LP300
Zinc chrome finish steel, telescopic suction tube. Suitable for lubricants, diesel and non-corrosive liquids. Suitable for container sizes 60 and 200ltr. Tube length 480 - 900mm. Inlet on pump 2" BSP and M59 x 5 male thread.



Discharge per Stroke	Weight each	Order Code KEN-540
300ml	2.0kg	-3000K

YAMOTO Lever Pump

Zinc-plated, self-adjusting telescopic suction tube. Comfortable lever grip. Suitable for lubricants and non-corrosive liquids. Suitable for container sizes 60 and 200ltr. Tube length 480 - 900mm. For use with BSP and metric threaded barrels.



Discharge per Stroke	Weight each	Order Code YMT-540
300ml	2.0kg	-3000K

KENNEDY Syphon Pump

Flexible plastic outlet and semi- rigid inlet tubes. Hand pumping units incorporate one-way valves. Suitable for use with petrol, diesel and non-corrosive liquids. All tubes can be cut to length.

SPS/25 For use with containers up to 25ltr. Fitted with 30mm bung.
Tube length: inlet 410mm/outlet 530mm.

SPS/205 For use with containers up to 205ltr. Fitted with a 50mm threaded bung.
Tube length: inlet 860mm/outlet 1000mm.

SPH/205 Heavy duty, for use with containers up to 205ltr. Fitted with a 50mm threaded bung.
Tube length: inlet 860mm/outlet 1000mm.



SPS/25 has a squeeze action.
SPS/205 & SPH/205 have a plunger type action.



Up to 25ltr

Up to 205ltr
Heavy duty

Up to 205ltr

Model Number	Suitable for Containers	Weight each	Order Code KEN-540
SPS/25	25ltr	40g	-4000K
SPS/205	205ltr	80g	-4050K
SPH/205	205ltr	420g	-4150K

Piston Pump

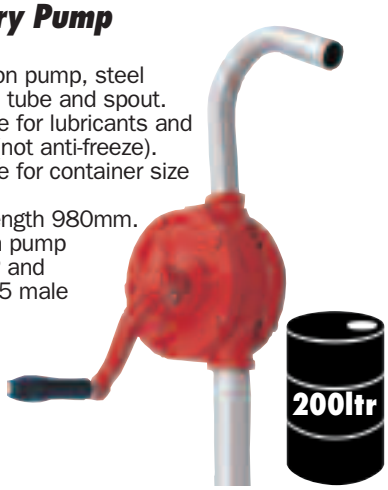
PP190
Polypropylene pump with viton seals. Chemical resistant. Suitable for lubricants, fuels, solvents and non-corrosive liquids. Suitable for container size 200ltr. Tube length 480 - 900mm. Inlet on pump 2" BSP male and female thread.



Discharge per Stroke	Weight each	Order Code KEN-540
190ml	730g	-3250K

Rotary Pump

RP250
Cast iron pump, steel suction tube and spout. Suitable for lubricants and diesel (not anti-freeze). Suitable for container size 200ltr. Tube length 980mm. Inlet on pump 2" BSP and M59 x 5 male thread.

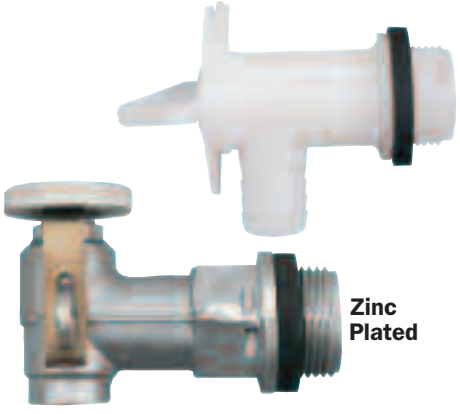


Discharge per Stroke	Weight each	Order Code KEN-540
250ml 35ltr/min	5.7kg	-3100K

Drum Taps

With ¾" BSP male threads. Both models can be locked into the off position by use of a padlock or locking pin.

Polypropylene
Not suitable for petroleum-based products.



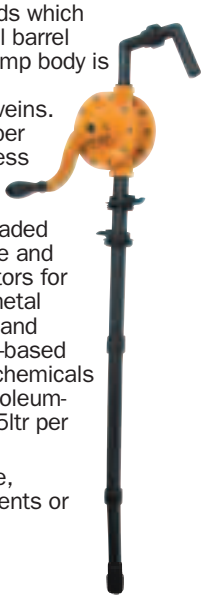
Zinc Plated

Type	Weight each	Order Code KEN-540
Zinc-Plated	300g	-9000K
Polypropylene	100g	-9050K

Rotary Chemical Dispensing Pump

Designed for use with fluids which a regular cast iron or steel barrel pump cannot be used. Pump body is made from glass filled polypropylene with Ryton veins. Seals are from Vitron rubber and all hardware is stainless steel. Strainer fitted at the suction tube inlet stops contaminants. Threaded polypropylene suction tube and a choice of 2" bung adaptors for use on both plastic and metal drums of capacities 50ltr and 205ltr. For use with water-based fluids, anti-freeze, acids, chemicals etc., in addition to all petroleum-based products. Delivery 5ltr per 20 turns of the handle).

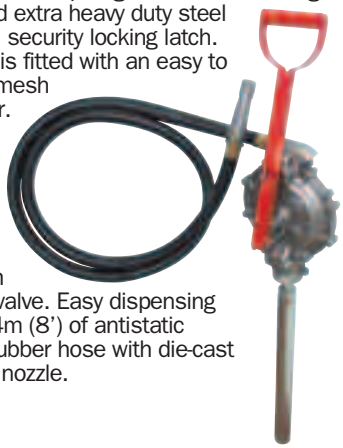
DO NOT USE with acetone, lacquer, mineral oils, solvents or turpentine.



Discharge per Stroke	Weight each	Order Code KEN-540
250ml	3kg	-3800K

Double Diaphragm Fuel Transfer Pump

Heavy duty aluminium die-cast construction fuel transfer pump with a discharge rate of up to 1 gallon per 5 strokes (800ml per stroke). Stainless steel piston and fuel resistant hi-nitrile rubber diaphragm. 2" die cast bung adapter and extra heavy duty steel handle with security locking latch. Pump inlet is fitted with an easy to clean wire mesh screen filter. Telescopic suction tube, adjustable to fit 50 to 205ltr drums, with non-return valve. Easy dispensing through 2.4m (8') of antistatic neoprene rubber hose with die-cast dispensing nozzle.



Discharge per Stroke	Weight each	Order Code KEN-540
800ml	7.5kg	-3600K

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KENNEDY Dispensing Bottles

Manufactured from oil and chemical resistant polyethylene.
With rigid applicator nozzles and sealing caps.



60ml Concertina Pump Action Bottle

Capacity (ml)	Weight each	Order Code KEN-540
60	15g	**-5000K**

250ml Squeeze Bottle

Capacity (ml)	Weight each	Order Code KEN-540
250	40g	**-5020K**
500	60g	**-5040K**

With 25° Adjustable Brass Spout & Nozzle

Capacity (ml)	Spout Length	Weight each	Order Code KEN-540
125	90mm	40g	**-5100K**
250	150mm	55g	**-5120K**
500	190mm	70g	**-5140K**

Heavy Duty Trigger Hand Sprayers

Manufactured from polyethylene these robust trigger spray dispensers are suitable for many industrial applications, will dispense various chemicals, water-based detergents, solvents and cleaning agents.



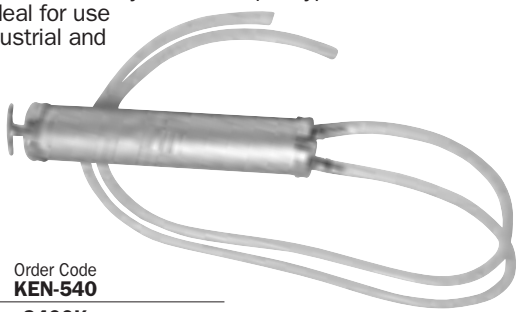
Capacity (ml)	Type	Weight each	Order Code KEN-540
500	Industrial	79g	**-5400K**
740	Industrial	85g	**-5420K**
1000	Industrial	146g	**-5440K**

Dual Transfer Pump

DTP500

Heavy-duty aluminium construction. Durable inlet and outlet valves. Suitable for the transfer of many different liquid types. Portable and easy to operate. Ideal for use in many home, industrial and farm applications.

Capacity:
500cc.



Capacity (cc)	Weight each	Order Code KEN-540
500	878g	**-3400K**

Plastic Oil Cans

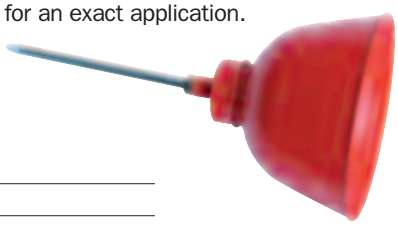
One-piece moulded plastic bodies with positive force feed pumps, supplied with nylon push-fit spouts.



Capacity (cc)	Spout Length	Weight each	Order Code KEN-540
350	150mm	110g	**-1880K**
500	150mm	120g	**-1900K**
1000	230mm	170g	**-1920K**

'Snap' Bottom Oil Can

350ml traditional 'style' seamless metal oil can with enamel finish. Invert can and pop the bottom for an exact application.
Supplied with 120mm rigid metal spout.



Capacity (ml)	Weight each	Order Code KEN-540
350	150g	**-6200K**

Metal Oil Cans

Enamel finish, heavy gauge, seamless metal-bodied oil cans. With positive force feed brass pumps and valves. Supplied with both rigid metal and flexible nylon threaded spouts.



Capacity (cc)	Weight per 10	Order Code KEN-540
125	2.20kg	**-1120K**
250	2.90kg	**-1250K**
350	3.20kg	**-1350K**
500	3.20kg	**-1500K**
750	3.67kg	**-1750K**
1000	4.16kg	**-1100K**

Spare Spouts to Suit (Interchangeable)

Type	Spout Length	Weight each	Order Code KEN-540
Flexible	150mm	170g	**-1800K**
	210mm	210g	**-1850K**

Oil Suction Gun

SG500

Chrome finish. Suitable for rapid draining or filling of oil and other non-corrosive liquids.

Working pressure: 90psi/6.2bar.
Diameter: 63mm.
Overall length: 330mm.



Capacity (cc)	Weight each	Order Code KEN-540
500	870g	**-0380K**

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KENNEDY Pneumatic Fluid Extractor

FEBK10
Pneumatic fluid extractor for use in draining engine oil, water, fuel and hydraulic fluids from vehicle engines and other mechanical equipment, bleeding brake/clutch fluid and collection of other non-corrosive fluid spillage.
High capacity 10ltr fluid reservoir ideal for garage, extension tube storage, used for workshop and on-site use.
Supplied with 1500 x 15mm initial tubing with extension tubes;
700 x 6mm, 360 x 10mm, 310 x 6mm and 380mm brake bleeder attachment.
Air supply 70-110psi (5-8bar), air consumption 180ltr/min, vacuum (maximum) 500mm HG, extraction rate 2.5ltr/min., air inlet size ¼" BSP.



Description	Weight each	Order Code KEN-540
Fluid Extractor	3.5kg	-4700K

Mobile Waste Oil Drainer

ODB300
This sturdy mobile polyethylene container is for the collection of waste oil draining by gravity from engines/gearboxes.
It has a capacity of 30ltr and a float level indicator to let you know when you are nearing its full capacity. The polyamide base is fitted with heavy-duty castors and a handle for easy manoeuvrability.
The centre shaft is height adjustable from 900 to 1600mm with a 395mm diameter polypropylene drain pan, the pan is fitted with an anti-splash mesh.





Description	Weight each	Order Code KEN-540
Waste Oil Drainer	11.1kg	-4600K

Tilting Drum Cradle

Tilting Drum Cradle tips, rotates and locates 205ltr drums.
- Equipped with removable handle
- Powder coated finish.
- Large 2½" (63mm) non-sparking wheels making it suitable for use on rough flooring in gas/fuel plants.
- Maximum load 600lbs (273kg).
- Unit comes flat packed.

Dimensions (H x W x D):
90 x 830 x 510mm.



Description	Weight each	Order Code KEN-540
Tilting Drum Cradle	12.5kg	-4400K

Direct Feed System

Lever Type LP12.5
Direct high pressure lubricating system with centre pump, metal dust cover/lid with integral stabiliser and fixing mechanism.
Flexible delivery tube with offset nozzle.
Suitable for medium greases.

Discharge per stroke: 3.8cm³,
Tube length: 375mm,
Inlet on pump max: 260mm.
Barrel (illustrated) available separately.





Description	Capacity (kg)	Weight each	Order Code KEN-540
Feed System	12.5	4.90kg	-0540K
Barrel	12.5		-0580K

High Pressure Grease Dispensing Pump

An easy to operate high pressure manual greasing system that is used to provide volume greasing where power is not available.
Used for clean greasing of machinery, equipment and vehicles using grease up to and including NLGI 2. The pump has steel construction with aluminium cast head and solid steel pumping chamber. Complete with drum cover, follower plate, 1220mm (48") flexible grease hose fitted with professional 4-jaw coupler. For use with 12.5kg grease pails.
Pump develops 3500psi (240bar) and delivers 1.25gm per stroke (1.2oz per 28 strokes).



Description	Weight each	Order Code KEN-540
Grease Dispensing Pump	4.8kg	-3640K

Waste Oil Collection

These items are for the collection of waste oil prior to disposal in accordance with your local authority regulations.

Oil Drain Collector
This container is made of tough plastic, has an 8ltr capacity and can be closed for storage/ transportation for disposal.

Oil Drain Pans
This waste oil pan is made of tough plastic and has an 8 or 16ltr capacity.





Type	Size	Shape	Weight each	Order Code KEN-540
Collector	8ltr	Square	1.13kg	-4500K
Pan	8ltr	Round	1.14kg	-4520K
Pan	16ltr	Round	5.30kg	-4540K

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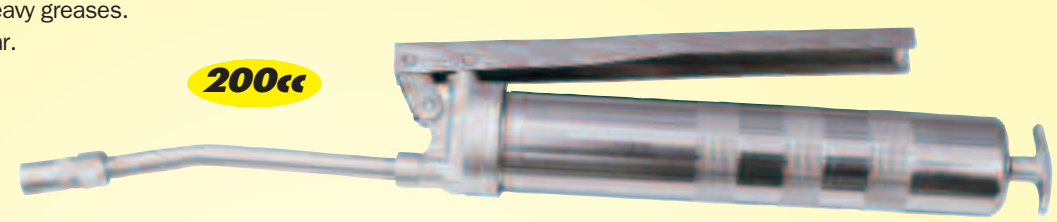
KENNEDY Grease Guns

Lever LG200
Chrome plated steel body, handle and offset nozzle.
Suction fill. Suitable for medium/heavy greases.

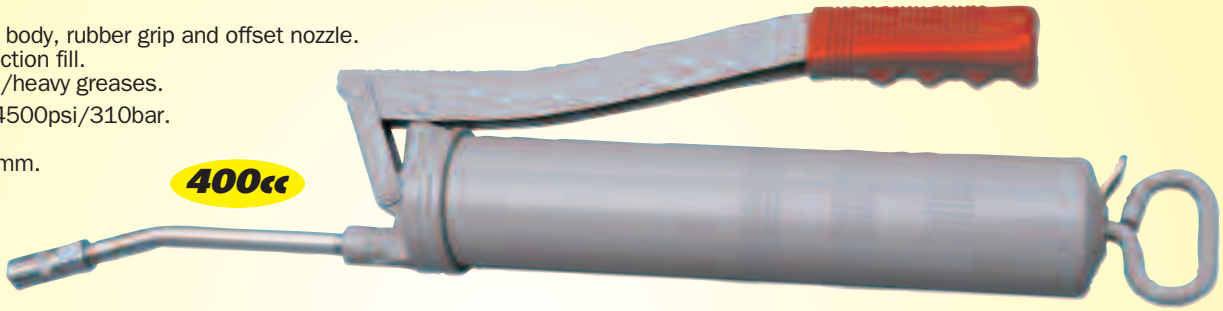
Working pressure: 3000psi/206bar.
Diameter: 45mm.
Overall length: 300mm.



Capacity Bulk Fill	Weight each	Order Code KEN-540
200cc	900g	-0150K

Lever LG400
Chrome-plated steel body, rubber grip and offset nozzle.
Cartridge, bulk or suction fill.
Suitable for medium/heavy greases.

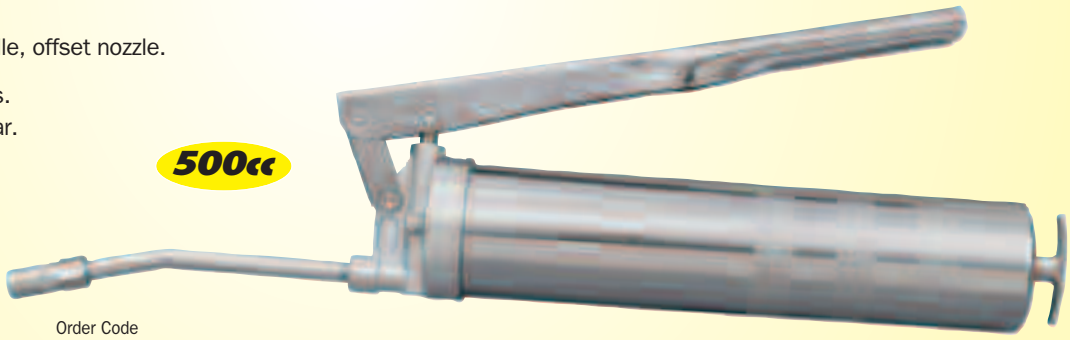
Working pressure: 4500psi/310bar.
Diameter: 56mm.
Overall length: 370mm.



Capacity Bulk Fill	Capacity Cartridge	Weight each	Order Code KEN-540
400cc	400g/14oz	1.35kg	-0250K

Lever LG500
Chrome-plated steel body and handle, offset nozzle.
Cartridge, bulk or suction fill.
Suitable for medium/heavy greases.

Working pressure: 4500psi/310bar.
Diameter: 63mm.
Overall length: 352mm.



Capacity Bulk Fill	Capacity Cartridge	Weight each	Order Code KEN-540
500cc	450g/16oz	1.50kg	-0300K

Lever LG-PRO500
Enamel finish steel body, offset nozzle.
Cartridge, bulk or suction fill.
Suitable for medium greases.

Working pressure: 6000psi/400bar.
Diameter: 56mm.
Overall length: 340mm.



Capacity Bulk Fill	Capacity Cartridge	Weight each	Order Code KEN-540
500cc	400g/14oz	1.80kg	-0340K

YAMOTO Lever Type Grease Gun

Chrome-plated steel body, comfortable lever grip and offset nozzle.
14oz cartridge, bulk or suction fill.
Suitable for medium/heavy greases.

Diameter: 56mm.
Overall length: 370mm.



Capacity Bulk Fill	Capacity Cartridge	Weight each	Order Code YMT-540
400cc	400g/14oz	1.25kg	-0250K

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KENNEDY Push-Type Grease Guns

Robust metal body. Versatile one-hand operation. Supplied with universal nozzle connector for standard grease fittings.



Capacity (cc)	Weight each	Order Code KEN-540
35	258g	-0020K
140	436g	-0040K

Grease Gun

Pom-Pom PP100
Oil and acid resistant plastic body. Suction fill. Suitable for soft/medium greases.
Diameter: 35mm.
Overall length: 220mm.

100cc



Capacity (cc)	Weight each	Order Code KEN-540
100	140g	-0050K

YAMOTO Steel Push-Type Grease Gun

120cc

PTG1200
Bulk or suction fill. Corrosion protective electro-plated finish. Polished nozzle and galvanised plunger assembly.
Suitable for medium or heavy greases.



Capacity (cc)	Weight each	Order Code YMT-540
120	415g	-0030K

Professional Grease Gun

Trigger TG120
Chrome-plated steel body, straight nozzle. Cartridge or suction fill. Suitable for soft/medium greases.
Working pressure: 2900psi/200bar.
Diameter: 36mm.
Overall length: 253mm.

120cc



Capacity Bulk Fill Cartridge	Weight each	Order Code KEN-540
120	760g	-0100K

Piston-Type Grease Gun

GGP120
Bulk or suction fill. Corrosion protective electro-plated finish. Galvanised plunger assembly. Suitable for medium or heavy greases.

120cc



Capacity Bulk Fill Cartridge	Weight each	Order Code YMT-540
120cc	505g	-0370K

Grease Guns

Trigger TG-PRO500
Enamel finish steel body, straight nozzle. Cartridge, bulk or suction fill. Suitable for medium greases.
Working pressure: 3900psi/260bar.
Diameter: 56mm.
Overall length: 340mm.

500cc



Capacity Bulk Fill Cartridge	Weight each	Order Code KEN-540
500cc	1.35kg	-0320K

Steel Grease Gun

GGP400 - Pistol Type Grease Gun
400g (14oz) cartridge, bulk or suction fill. Galvanised trigger body. Galvanised nozzle and plunger assembly. Air bleed button. Comfortable grip. Suitable for medium or heavy greases.

400cc



Capacity Bulk Fill Cartridge	Weight each	Order Code YMT-540
400cc	1.50kg	-0360K

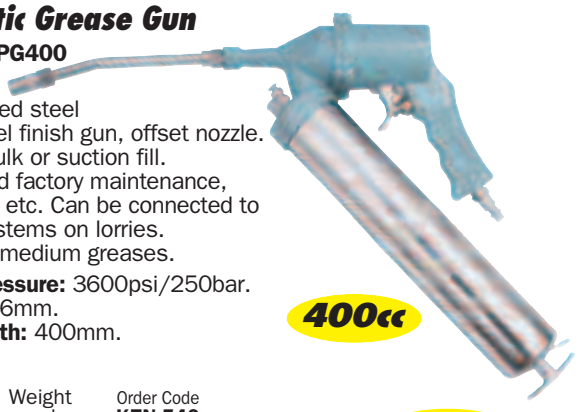
Pneumatic Grease Gun

Pneumatic PG400

Chrome-plated steel body, enamel finish gun, offset nozzle. Cartridge, bulk or suction fill. For plant and factory maintenance, fleet service etc. Can be connected to air brake systems on lorries. Suitable for medium greases.
Working pressure: 3600psi/250bar.
Diameter: 56mm.
Overall length: 400mm.

400cc

PNEUMATIC



Capacity (cc)	Weight each	Order Code KEN-540
400	1.90kg	-0360K

Pistol Type Adjustable Angle Pneumatic Grease Gun

PGC400
360° handle rotation. Continuous flow. Chrome plated steel body and enamel finish gun. Offset nozzle. Suitable for medium grease. 14oz cartridge - bulk, suction or pump fill. Can be connected to the air brake systems on lorries. 1200 - 6000psi based on 30 - 150psi feed.

400cc

PNEUMATIC



Capacity (cc)	Weight each	Order Code KEN-540
400	1.88Kg	-0350K

HAND TOOLS

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KENNEDY QUALITY INDUSTRIAL TOOLING

Hydraulic Grease Nipple Kit

Contents
Straight:
¼" BSP,
⅛" BSP,
M8 x 1.25
¼" BSF.
45°:
M8 x 1.25
M10 x 1.50.
90°:
¼" BSF.

140 PIECES



Description	Number of Pieces	Order Code KEN-541
Grease Nipple Kit	140	-5140K

Flexible Hoses

For use with Kennedy grease guns, flexible hoses improve access in confined spaces, ⅛" BSP connecting threads.



Bore x Length	Type	Weight each	Order Code KEN-540
150mm	Offset Metal	40g	-0390K
8x230	Nylon	30g	-0400K
8x300	Nylon	40g	-0410K
8x500	Nylon	40g	-0420K
11x230	Rubber	60g	-0430K
11x300	Rubber	70g	-0440K
11x500	Rubber	90g	-0450K

Magnetic Pick-Up Tools

Slimline Handle
Telescopic with magnetic tip and contoured handle



Extended Length (mm)	Lifting Capacity	Weight each	Order Code KEN-553
550 (22")	1.8kg	50g	-0100K

Pen Type Handle
Telescopic with magnetic tip and pen type handle with pocket clip



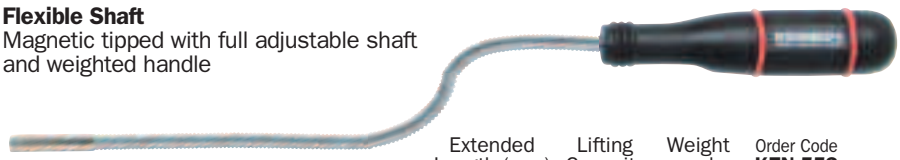
Extended Length (mm)	Lifting Capacity	Weight each	Order Code KEN-553
650 (26")	1.8kg	40g	-0120K

Multi-directional Head
Magnetic tipped multi-directional head and pen type handle



Extended Length (mm)	Lifting Capacity	Weight each	Order Code KEN-553
580 (23")	680g	46g	-0140K

Flexible Shaft
Magnetic tipped with full adjustable shaft and weighted handle



Extended Length (mm)	Lifting Capacity	Weight each	Order Code KEN-553
455 (18")	500g	96g	-0130K

Hydraulic Grease Nipples

For use with Kennedy grease guns and all other hydraulic grease equipment.

Straight Hook-On



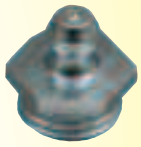
Thread Size	Weight Per 100	Order Code KEN-541
⅛" BSP(T)	1.30kg	-1070K
¼" BSP(T)	2.00kg	-1090K

45° Type



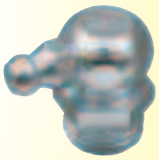
Thread Size	Weight Per 100	Order Code KEN-541
⅛" BSP(T)	1.30kg	-0610K
¼" BSP(T)	1.95kg	-0690K
¼" BSF	0.70kg	-0770K
M6 x 1	0.70kg	-0850K
M8 x 1.25	0.60kg	-0930K
M10 x 1.5	1.25kg	-1010K

Straight Type



Thread Size	Weight Per 100	Order Code KEN-541
⅛" BSP(T)	0.60kg	-0600K
¼" BSP(T)	1.10kg	-0680K
¼" BSF	0.30kg	-0760K
M6 x 1	0.30kg	-0840K
M8 x 1.25	0.50kg	-0920K
M10 x 1.5	0.60kg	-1000K

90° Type



Thread Size	Weight Per 100	Order Code KEN-541
⅛" BSP(T)	1.30kg	-0630K
¼" BSP(T)	2.10kg	-0710K
¼" BSF	0.70kg	-0790K
M6 x 1	0.60kg	-0870K
M8 x 1.25	0.55kg	-0950K
M10 x 1.5	1.30kg	-1030K

Hydraulic Connectors

Securely grips the grease nipple while in use.

4-Jaw



Thread Size	Weight each	Order Code KEN-541
⅛" BSP(T)	40g	-0480K

Hook-On



Thread Size	Weight each	Order Code KEN-541
⅛" BSP(T)	40g	-0490K

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HAND TOOLS

KENNEDY QUALITY INDUSTRIAL TOOLING

Magnetic Trays

For holding metal items such as nuts, bolts, washers etc.

Dish
For use in high and confined spaces with rubberised magnetic base mat to protect work surface.



Size (mm)	Weight each	Order Code KEN-553
150 dia.	375g	-0250K

Rectangular Tray
For holding larger items.



Size (mm)	Weight each	Order Code KEN-553
242 x 142	720g	-0300K

Magnetic Parts Tray

Rustproof stainless steel tray fitted with 4 x 85mm magnets in a non-marking cover which attaches to any ferrous surface. For retaining hand tools and fasteners, ideal for applications where nuts, bolts and parts could get lost preventing assembly. Suitable for automotive mechanics, appliance repairs and most applications within the service and repair industry.

Size: 295 x 270 x 42mm.





Bottom of tray

Size (mm)	Weight each	Order Code KEN-553
295 x 270 x 42	1.60kg	-0270K

Magnetic Vee Block

Ideal for holding cylindrical workpieces for grinding application. The adhesion will simultaneously hold the workpiece and vee-block to any flat ferrous surface.

Dimensions (W x L x H):
70 x 102 x 95mm.



Magnetic Adhesion	Weight each	Order Code KEN-554
50kgf	4.00kg	-1100K

Magnetic Link

Two magnetic units joined by an adjustable steel strap (82mm long). Capable of holding at many different angles.

Single link base dimensions (L x H x W):
60 x 30 x 25mm.



Magnetic Adhesion	Weight each	Order Code KEN-554
13kgf	350g	-1400K

Magnetic Pick-Up Wand

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Permanent magnet, never needs to be re-magnetised. Lightweight. Chrome-plated and corrosion-resistant.

Lifting Capacity: 6.35kg.







Working Length	Weight each	Order Code KEN-553
140mm	567g	-0200K

Magnetic Pick-Up Tool

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Spring- loaded magnet release. Permanent magnet, never needs to be re-magnetised.

Lifting Capacity: 4.5kg.



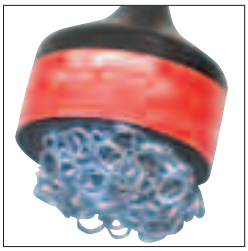
Working Size	Weight each	Order Code KEN-553
100mm dia.	634g	-0160K

Magnetic Long Reach

Long reach handle. High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Spring- loaded magnet release. Permanent magnet, never needs to be re-magnetised.

Lifting Capacity: 3.6kg.





Working Size	Weight each	Order Code KEN-553
90mm Dia.	693g	-0180K

Magnet Extending Pick-Up Sweeper

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris.

Lifting Capacity: 9.0kg.



Permanent magnet, never needs to be re-magnetised. Lightweight. Chrome-plated and corrosion-resistant.

Working Length	Weight each	Order Code KEN-553
140cm	1430g	-0220K

HAND TOOLS

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KENNEDY Magnetic Hold Fasts

Positive gripping pot magnets supplied with screw-down release handle.
Can be used singly or in multiples for making welding or other jigs.
With M8 x 1.25 thread.

Depth: 35mm.



Diameter (mm)	Magnetic Adhesion	Weight each	Order Code KEN-554
40	20kgf	590g	**-1200K**
50	40kgf	955g	**-1240K**

Magnetic Quick Clamp

For fast accurate holding.

Dimensions: (width x length x thickness):
65 x 110 x 15mm.



Angles	Weight each	Order Code KEN-554
30°, 90° & 135°	270g	**-1700K**

Channel Magnet

Designed to give maximum grip within channels or slots. Able to grip non-uniform workpieces.



Length x Width x Height (mm)	Weight each	Order Code KEN-554
130 x 30 x 13	250g	**-3500K**

Power Magnets

A square horseshoe magnet.
Supplied with plain fixing holes.

Kg pull (max):
25mm - 4.5,
30mm - 9.0,
40mm - 11.8.



Size (mm)	Weight each	Order Code KEN-553
25 x 40 x 20	60g	**-8120K**
30 x 45 x 30	120g	**-8130K**
40.5 x 57 x 35	180g	**-8140K**

Ferrite Shallow Pot Magnets

Manufactured from ceramic ferrite material set in a mild steel shell. Suitable for holding machine tool accessories with M6 threads or building into jigs.

Heavy Duty L-bolt



Ø x Width (mm)	Weight each	Order Code KEN-553
66 x 10.7	220g	**-7020K**
76 x 12.5	300g	**-7040K**
100 x 15.5	610g	**-7060K**

J-bolt



Size (mm)	Weight each	Order Code KEN-553
46 x 10.7	90g	**-8900K**
56 x 10.7	130g	**-8910K**
66 x 10.7	190g	**-8920K**

Magnetic Chuck Blocks

For use with magnetic chucks that have parallel poles, so that the magnetic field can be extended to hold awkwardly shaped workpieces. Supplied in matched pairs. Machinable.



Width x Length x Height (mm)	Weight each	Order Code KEN-400
60 x 75 x 30	1.50kg	**-2500K**

Bar Magnets

A range of one-piece cylindrical magnets with opposing poles at either end. Permanently magnetic.



Dia. (mm)	Depth (mm)	Weight Per 100	Order Code KEN-553
6.0	20 (3/4")	0.44kg	**-8050K**
8.0	25 (1")	1.00kg	**-8060K**
10.0	30 (1 3/16")	1.90kg	**-8070K**

Button Magnets

A horseshoe type cylindrical magnet. Opposing poles are at the same end of the magnet separated by a slot. Supplied with a plain bore and keeper. Permanently magnetic.



Diameter (mm)	Depth (mm)	Weight Per 100	Order Code KEN-553
12.7 (1/2")	9.5	0.87kg	**-8210K**
20 (3/4")	12.5	2.00kg	**-8220K**
25 (1")	16.0	5.60kg	**-8230K**
32 (1 1/4")	19.5	13.0kg	**-8240K**

Shallow Pot Magnets

North polarity in centre separated from opposing pole by a continuous slot. For use in areas of restricted height. Supplied with plain bore fixing hole and keeper. Permanently magnetic.



Diameter (mm)	Depth (mm)	Weight Per 100	Order Code KEN-553
20 (3/4")	7.8	1.75kg	**-8260K**
28.5 (1 1/8")	8.7	4.70kg	**-8270K**
38 (1 1/2")	10.6	9.70kg	**-8280K**

Deep Pot Magnets

North polarity in centre separated from opposing pole by a continuous slot. Ideally suited for gripping applications. Supplied with M5 x 1 threaded bore fixing hole and keeper.

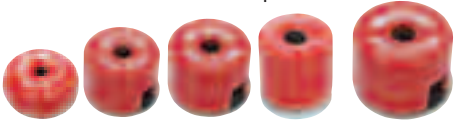
*M3 x 0.5.



Diameter (mm)	Depth (mm)	Weight Per 100	Order Code KEN-553
9.5 (3/8")*	15.1	2.00kg	**-8290K**
17.5 (11/16")	16.0	2.70kg	**-8310K**
20 (3/4")	18.0	4.50kg	**-8320K**
27 (1 1/16")	25.4	9.80kg	**-8330K**
35 (1 3/8")	30.0	28.9kg	**-8340K**

Set
2 each: 12.7mm button.
1 each: 17.5mm deep button, 20mm button and 20mm pot.

5 PIECES



Number of Pieces	Weight each	Order Code KEN-553
5	90g	**-9000K**

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Quick-Set Torque Drivers

1/4 Micrometer style adjustment allows easy accurate setting. Slipping action at pre-set torque eliminates overtightening. The adjustment ring automatically disengages when the tool is in use to prevent accidental adjustment. Stainless steel shafts. Anodised aluminium handles. Suitable for electrical, electronics and instrument assembly works.
Manufactured to **ISO 6789 : 2003. (Accuracy ±6% of reading).**

Minor Type



Product Number	Torque Range cNm	Torque Range ozf.in	Weight each	Order Code KEN-555
QS1.2MH	20 - 120	-	165g	**-5010K**
QS1.2IH	-	20 - 120	165g	**-5020K**

Standard Type

1/4 Can be used with 1/4" hexagon drive. Sliding 'T' bar supplied.



Product Number	Torque Range Nm	Torque Range lbf.in	Weight each	Order Code KEN-555
QS6MH	1 - 6	-	335g	**-5600K**
QS50IH	-	5 - 50	335g	**-5500K**

Torque Limiting Screwdrivers

L" A/F female hexagon socket which will accept screwdriver bits. Can be converted to a male end by using the appropriate adaptor. Can be pre-set to any torque value within range by using a Torque Calibration Analyser. Can be fitted with 'impact-free resetting' option. Manufactured to **ISO 6789 : 2003.**
(Repeatability at ±6% of set torque).

LS135H



LS406H



Product Number	Torque Range cNm	Torque Range lbf.in	Weight each	Order Code KEN-555
LS135H	2 - 135	12	200g	**-5700K**
LS406H	6 - 406	36	300g	**-5800K**

Pre-setable Torque Breaking Handle - Spigot Type

Handle 'breaks' at an angle of 20° and features a unique patented single direction mechanism, ensuring long tool life and repeatable accuracy. Fitted with the new mechanical torque adjustment locking device. Automatically resets when force is released and returns to the in-line position.
Manufactured to **ISO 6789 : 2003. (Repeatability at ±4% of reading tools above 10Nm and ±6% for tools less than 10Nm).**

Overall length: 265mm.

16



Mechanical Torque Adjustment Locking Device
- Easy-to-use locking device for the torque adjusting screws.
- Does not rely on friction to arrest movement.
- Operated using a single adjusting key.

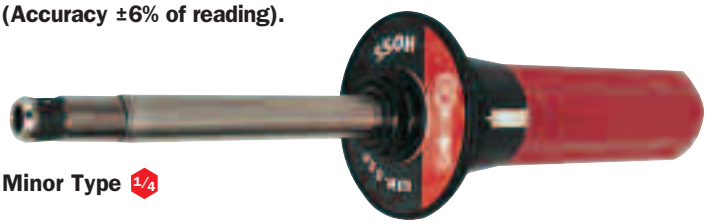


Compatible with the Norbar® 16mm Spigot End fittings.

Product Number	Torque Range Nm	Torque Range lbf.in	Spigot Size	Weight each	Order Code KEN-555
BH25	5.0-25	44-221	16mm	415g	**-5900K**

Dial Indicating Torque Drivers

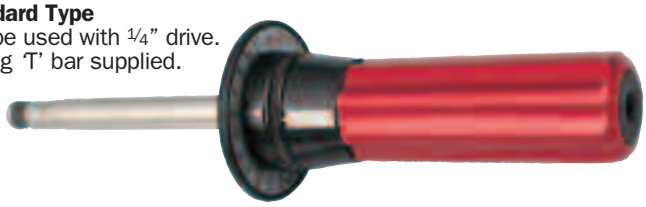
Can indicate torque in two ways - measures and displays torque as it is applied, or measures and displays the maximum torque used, after it has been applied. Ideal for the electronics, electrical and domestic appliance industries. Stainless steel shafts coloured aluminium handles and scaled nylon dials. 1/4" hex drive. Dual scale. Manufactured to **ISO 6789 : 2003.**
(Accuracy ±6% of reading).



Minor Type 1/4

Product Number	Torque Range cNm	Torque Range ozf.in	Weight each	Order Code KEN-555
S50H	10 - 50	14 - 70	190g	**-8050K**
S100H	20 - 100	28 - 140	190g	**-8100K**

Standard Type
Can be used with 1/4" drive. Sliding 'T' bar supplied.



Product Number	Torque Range cNm	Torque Range lbf.in	Weight each	Order Code KEN-555
S250H	50 - 250	4 - 20	465g	**-8250K**
S500H	100 - 500	8 - 40	465g	**-8500K**

1/4" Square Drive Slipper Wrenches

1/4 Micrometer style fine adjustment with positive locking system. Automatic resetting with audible click when the wrench slips. Accurate repeatability. Aircraft specification stainless steel heads, aluminium handles. Designed to operate in any environment from the toughest engineering production line to fine finish assembly areas. Manufactured to **ISO 6789 : 2003**.



Product Number	Torque Range Nm	Torque Range Increment	Weight each	Order Code KEN-555
TCW5	1 - 5	0.05Nm	235g	**-7050K**
TCW10	2 - 10	0.10Nm	235g	**-7100K**

Production Slipper Torque Wrenches

Wrench 'slips' when predetermined torque setting is reached, completely eliminating overtightening. Fitted with Mechanical Torque Adjustment Locking Device. Accurate repeatability guarantees equal tightness every time. Incorporates a specially designed multi-lobed cam which automatically resets the wrench after a small movement of the handle, allowing quick progress to the next operation. Incorporates a fully supported ratchet giving smooth, positive torque control, even in confined spaces. Lightweight for less operator fatigue. Manufactured to **ISO 6789 : 2003.**
(Repeatability at ±4% of reading).



Mechanical Torque Adjustment Locking Device
- Easy-to-use locking device for the torque adjusting screws.
- Positive, mechanical locking system.
- Does not rely on friction to arrest movement.
- Operated using a single adjusting key.



Product Number	Torque Range Nm	Torque Range lbf/ft	Length (mm)	Ratchet Size	Order Code KEN-555
MPW125	40 - 125	30 - 90	460	1/2"	**-4000K**
SPW25	3 - 25	2 - 18	216	3/8"	**-4050K**
SPW55	15 - 55	10 - 40	325	3/8"	**-4070K**
TPW25	3 - 25	2 - 18	216	1/4"	**-4100K**

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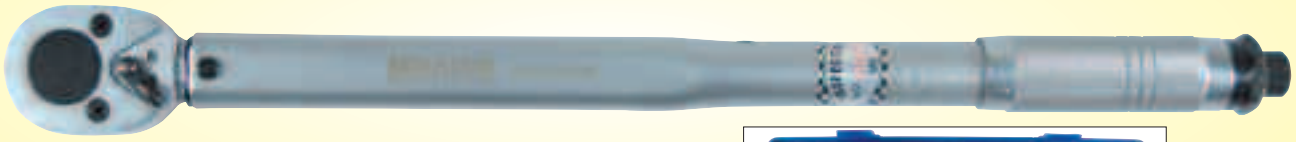
SENATOR QUALITY TOOLING — Square Drive Torque Wrenches

Reversible ratchet head. 'Click + Snap' action indicates when the pre-set torque level has been reached. Engraved kgf.m and Nm scale on barrel. Micrometer type sleeve allows preset torque values to be accurately set. Manufactured to **ISO 6789:2003 (BS EN 26789:2003)**



1/4 3/8 1/2

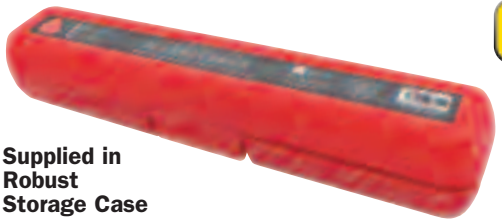
Overall Length	Sq. Drive	Torque Range Nm	Torque Range kgf.m	Order Code SEN-557
280mm	1/4"	9-25	0.25-2.5	-0300K
365mm	3/8"	19-110	1.9-11.2	-0400K
440mm	1/2"	42-210	4.2-21.4	-0500K

EXTENDED RANGE



TRI TORQ — Ajustable Torque Wrench

Manufactured from high quality satin finish steel with a polished steel head. Supplied with a fully traceable calibration certificate and storage case. The desired torque value can be set, and is displayed in windows on the handle.
Manufactured to **BS EN 26789 : 1994 and Federal GGG-W-686 standards.**



Supplied in Robust Storage Case



1/4 3/8 1/2

Model Number	Square Drive	Torque Range Nm	Torque Range lbf.ft	Weight each	Order Code TRQ-557
FXL5	1/4"	1 - 5	0.7 - 3	0.40kg	-5740K
FXL32	1/4"	6 - 30	4 - 22	0.40kg	-5760K
FXL33	3/8"	6 - 30	4 - 22	0.40kg	-5850K
FXL63	3/8"	12 - 60	7 - 44	1.30kg	-5870K
FXL100	3/8"	20 - 100	15 - 75	1.38kg	-5900K
FXL200	1/2"	40 - 200	30 - 150	2.36kg	-6900K
FXL320	1/2"	60 - 320	45 - 225	2.57kg	-6920K

With Factory Tested Calibration Certificate

Ratchet Repair Kits

To Suit	Order Code TRQ-567
FXL100	-5900K
FXL200/FXL320	-6900K

KENNEDY QUALITY INDUSTRIAL TOOLING — Adjustable Torque Wrenches

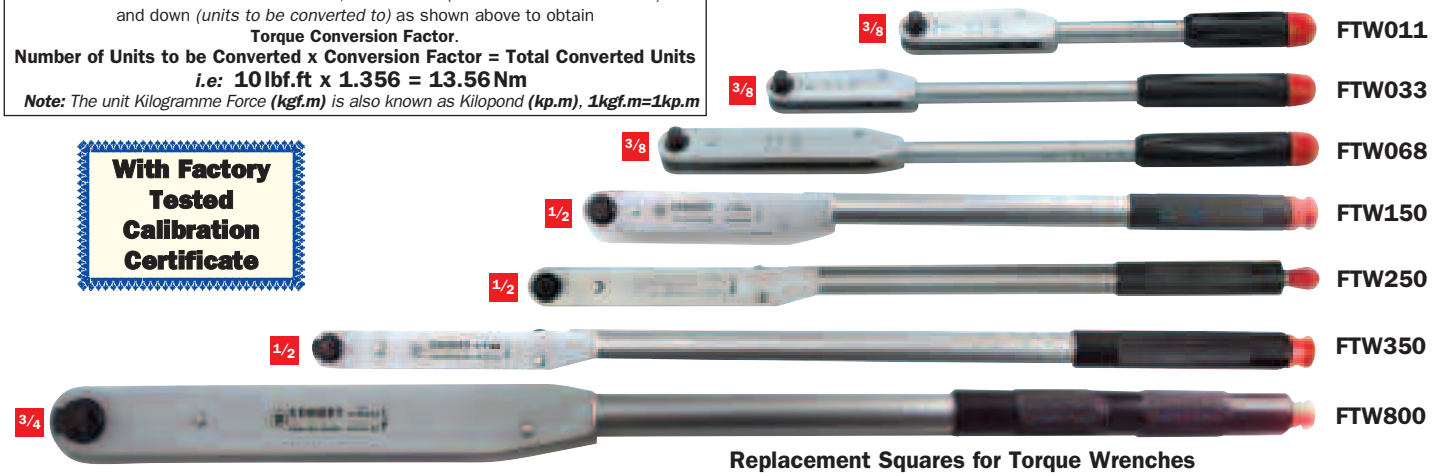
Torque Conversion Factors

To / From	International System S.I. mNm	cNm	Nm	Inch Ozf.in	lbf.in	lbf.ft	Metric gf.cm	kgf.cm	kgf.m
mNm	1	0.1	0.001	0.142	0.009	0.0007	10.2	0.01	0.0001
cNm	10	1	0.01	1.416	0.088	0.007	102	0.102	0.001
Nm	1000	100	1	141.6	8.851	0.738	10.197	10.20	0.102
Ozf.in	7.062	0.706	0.007	1	0.0625	0.005	72	0.072	0.0007
lbf.in	113	11.3	0.113	16	1	0.083	1152.1	1.152	0.0115
lbf.ft	1356	135.6	1.356	192	12	1	13.826	13.83	0.138
gf.cm	0.098	0.01	0.0001	0.014	0.0009	0.00007	1	0.001	0.00001
kgf.cm	98.07	9.807	0.098	13.89	0.868	0.072	1000	1	0.01
kgf.m	9807	980.7	9.807	1389	86.8	7.233	100000	100	1

EXAMPLE: To convert **10 lbf.ft** to **Nm**, read across *(units to be converted from)* and down *(units to be converted to)* as shown above to obtain **Torque Conversion Factor**.
Number of Units to be Converted x Conversion Factor = Total Converted Units
i.e: **10 lbf.ft x 1.356 = 13.56 Nm**
Note: *The unit Kilogramme Force* ***(kgf.m)*** *is also known as Kilopond* ***(kp.m)****,* ***1kgf.m=1kp.m***

High quality chrome-plated, polished steel head and retractable torque setting lever. 'Click and Snap' action indicates when the pre-set torque level has been reached. Four easy read scales Nm, kgf.m, lbf.in x10, lbf.ft. Push through square drive connector to instantly reverse action. Knurled grip plastic handle.
Complete with factory tested calibration certificate, operating instructions and torque conversion chart.
Supplied in a cardboard case.
Manufactured to **ISO 6789 : 2003 (BS EN 26789 : 2003).**
Accuracy = ±4%.

With Factory Tested Calibration Certificate



Model Number	Square Drive	Torque Range Nm	Torque Range lbf.ft	Length (mm)	Order Code KEN-557
FTW011	3/8"	2.5 - 11	2 - 8	300	-3500K
FTW033	3/8"	5.0 - 33	3 - 24	410	-3520K
FTW068	3/8"	12.0 - 68	9 - 50	480	-3540K
FTW150	1/2"	25 - 135	20 - 100	560	-3560K
FTW250	1/2"	50 - 200	40 - 145	610	-3580K
FTW350	1/2"	70 - 330	50 - 240	780	-3600K
FTW800	3/4"	200 - 810	145 - 580	940	-3610K

Replacement Squares for Torque Wrenches



Square Drive	To Suit	Order Code KEN-557
3/8"	-0400K -0420K -0440K	-3100K
1/2"	-0500K -0520K	-3200K
1/2"	-0540K	-3250K
3/4"	-0620K	-3300K

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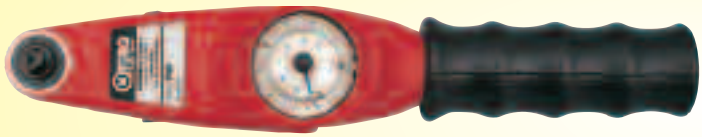
Dial Indicating Torque Wrenches

Ideal for use in inspection and quality control, research and development, production and after sales service. Lightweight aluminium handles, abrasive resistant bodies for longer life and easy read dual scale for observing the amount of torque applied throughout the tightening process. Socket not included. Manufactured to **ISO 6789 : 2003. (Accuracy ±4% of reading).**

1/4 1/4" Square Drive Not suitable for use with extensions.

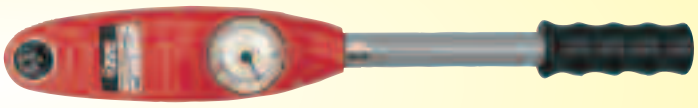


Product Number	Torque Range Nm	Torque Range lbf.in	Weight each	Order Code KEN-555
TW4	0.8 - 4.0	7 - 35	520g	-1040K
TW12	2.4 - 12	24 - 120	520g	-1120K

3/8 Square Drive (not illustrated)

Product Number	Torque Range Nm	Torque Range lbf.in	Weight each	Order Code KEN-555
SW25	5 - 25	48 - 240	520g	-1250K
SW40	8 - 40	72 - 360	520g	-1400K

1/2 Square Drive



Product Number	Torque Range Nm	Torque Range lbf.ft	Weight each	Order Code KEN-555
MW80	16 - 80	12 - 60	1.35kg	-2080K
MW200	40 - 200	30 - 160	1.40kg	-2200K

3/4 Square Drive With built-in audio/visual signal.

Product Number	Torque Range Nm	Torque Range lbf.ft	Weight each	Order Code KEN-555
LW800	160 - 800	120 - 660	4.85kg	-3800K

Torque Calibration Analyser

Clear easy to use scales. Specifically designed to set and calibrate most makes of torque tools. Mechanism is totally enclosed in a die-cast aluminium housing. Repeatable accuracy to ±2% of reading. Memory pointer and built-in needle shock absorber. Single direction mechanism for clockwise use. The preferred and certified ranges of these torque calibration analysers meet the specified measuring range as detailed in **ISO 6789 : 2003**.

With Factory Tested Calibration Certificate



Torque Range ISO (Nm)	Torque Range lbf.in	Scale Sub Divisions	Order Code KEN-555
5.0 - 25	44 - 220	0.5Nm/5lbf.in	-6700K

Torque Multipliers

Ideal for applications where no electrical or air supply is available. Enables precision tightening of threaded fasteners. Aids the loosening of nuts that are corroded or seized. Accurate to within ±4%, taking the uncertainty out of high torque tightening.

TN14: Input: 1/2" sq. drive. **Output:** 3/4" sq. drive.
TN27: Input: 3/4" sq. drive. **Output:** 1" sq. drive.

NEW



6:1 - Maximum Torque 1680Nm



5.4:1 - Maximum Torque 2700Nm

Product Number	Maximum Torque	Weight each	Order Code KEN-557
TN14	1500Nm	6.1kg	-3620K
TN27	2700Nm	7.3kg	-3630K

Replacement Square Drives

Square Size	To Suit	Order Code KEN-567
3/4"	TN14	-9300K
1"	TN27	-9400K

Angular Torque Gauge

The gauge has an easy to read 360° scale in 2°, 10° and 30° increments and has an Indicator etched into the clear plastic. An adjustable arm to keep the angled scale stationary, with a long and short side for flexibility in positioning against components.



1/2

Product Number	Capacity Nm	Weight each	Order Code KEN-557
TGA360	0 - 360	180g	-0150K

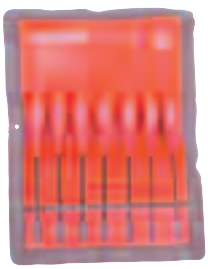
Nut Spinners

Manufactured from hardened and tempered chrome vanadium steel, with satin chrome finish. Oil and acid resistant high impact plastic handles. 6" (150mm) combined socket and blade length.

Overall length: 230mm.

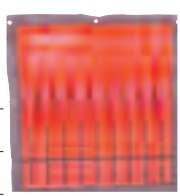


Type	Hexagon AF	Order Code KEN-556
Metric	4.0mm	-7400K
	4.5mm	-7450K
	5.0mm	-7500K
	5.5mm	-7550K
	6.0mm	-7600K
	7.0mm	-7700K
	8.0mm	-7800K
	9.0mm	-7900K
	10.0mm	-8100K
BA	0BA (.413")	-1200K
	1BA (.365")	-1210K
	2BA (.324")	-1220K
	3BA (.282")	-1230K
	4BA (.248")	-1240K
	5BA (.220")	-1250K
	6BA (.193")	-1260K



Sets

Number of Pieces	Contents	Order Code KEN-556
7	0, 1, 2, 3, 4 5 & 6BA	-9520K
9	4, 4.5, 5, 5.5, 6, 7, 8, 9 & 10mm	-9620K



HAND TOOLS

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KENNEDY PROFESSIONAL Pro-Torq Groove Waterpump Pliers

Double polished head and joint with hardened steel jaws. The dual material grip handle manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Ideal for environments where repetitive work is undertaken. Joint protector stops the handles closing together, preventing trapped fingers.



Overall Length	Jaw Opening	Weight each	Order Code KEN-558
265mm (10½")	45mm	420g	**-6960K**

KENNEDY QUALITY INDUSTRIAL TOOLING Box Joint Waterpump Pliers

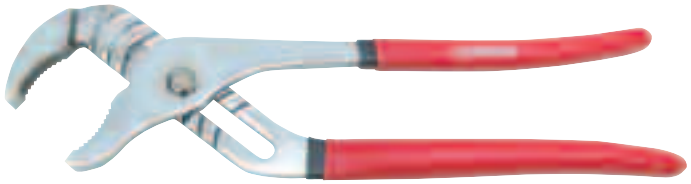
The slip joint head design prevent the pliers from twisting when pressure is applied. Hardened steel, ground jaws, sliding pivot joint for a wide range of jaw openings. Satin finish. The joint protector stops the handles closing together, preventing trapped fingers. Bonded anti slip vinyl grips



Overall Length	Jaw Opening	Weight each	Order Code KEN-558
255mm (10")	35mm	283g	**-3660K**

Groove Joint Waterpump Pliers

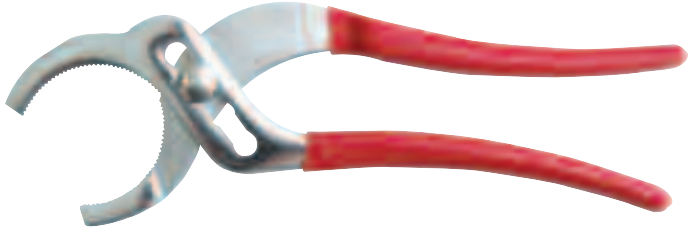
Hardened chromed steel jaws. Sliding pivot joint allows the widest range of jaw openings. The handles cannot be closed together, preventing trapped fingers.



Overall Length	Jaw Opening	Weight each	Order Code KEN-558
190mm (7½")	30mm	280g	**-3670K**
255mm (10")	45mm	400g	**-3680K**
320mm (12½")	55mm	425g	**-3700K**
405mm (16")	100mm	580g	**-3710K**

Plastic Pipe Gripping Pliers

Ideal for screwing and unscrewing plastic pipe joints, round union nuts etc. up to 65mm diameter 4-position adjustable slip joint. Serrated gripping jaws with removable plastic jaw covers. Manufactured from chrome vanadium electric steel, oil-hardened and tempered with bonded vinyl grip for improved comfort and control.



Overall Length	Weight each	Order Code KEN-558
233mm (9")	295g	**-4100K**
Spare Jaws (Pair)	-	**KEN-567-3750K**

KENNEDY QUALITY INDUSTRIAL TOOLING Spring-Loaded Soft Touch Slip Joint Waterpump Pliers

Manufactured from hardened and tempered chrome vanadium steel with corrosion-resistant chemically blacked finish. Vinyl grip for improved comfort and control. Replaceable soft grip plastic inserts allow delicate or finished components to be gripped without damage. Eight position groove with spring-loaded rapid jaw adjustment.

Overall length: 250mm.
Capacity: 40mm.



Overall Length	Weight each	Order Code KEN-558
250mm (10")	400g	**-8920K**
Soft Jaws To Suit Above	5g	**-8930K**

YAMOTO INDUSTRIAL PLIERS Slip Joint Waterpump Pliers

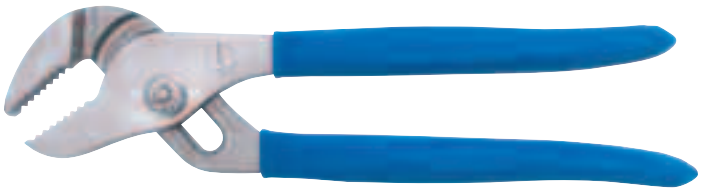
Industrial quality chrome vanadium steel, chemically blacked. With a sliding pivot to give a wide range of jaw openings. Bi-material grips.



Overall Length	Weight each	Order Code YMT-558
250mm	380g	**-4660K**

SENATOR QUALITY TOOLING Groove Joint Waterpump Pliers

Manufactured from chrome vanadium steel with a satin finish. Textured grip handles for improved comfort and control. Groove joint for quick adjustment with serrated jaws for extra grip.

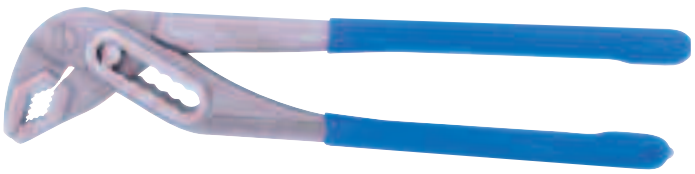


Overall Length	Weight each	Order Code SEN-558
200mm (8")	275g	**-4670K**
255mm (10")	385g	**-4680K**
305mm (12")	415g	**-4700K**
420mm (16½")	570g	**-4710K**

Box Joint Waterpump Pliers

Chrome vanadium steel with bonded vinyl coated handles.

Overall length: 255mm (10").



Overall Length	Weight each	Order Code SEN-558
255mm (10")	400g	**-4660K**

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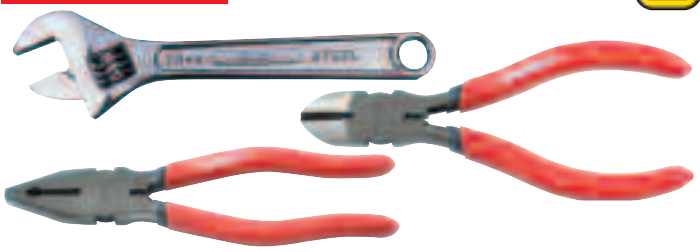
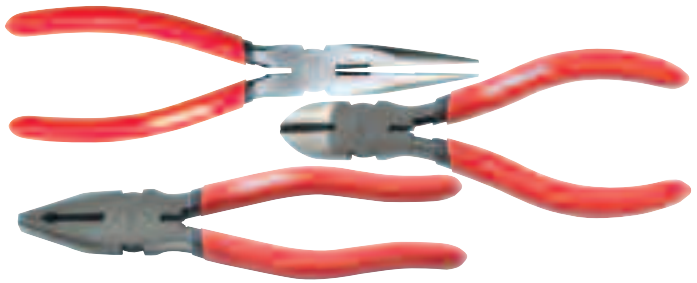
KENNEDY 3-Piece Professional Quality Chrome Vanadium Plier Sets



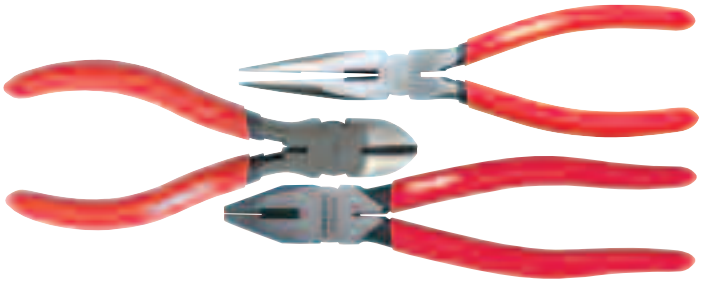
Contents	Product Number	Weight each	Order Code KEN-558
Adjustable Wrench 150mm Diagonal Cutters 160mm Combination 160mm	501-106 558-332 558-353	490g	**-9820K**



Contents	Product Number	Weight each	Order Code KEN-558
Snipe Nose 160mm Diagonal Cutters 160mm Combination 160mm	558-321 558-332 558-352	490g	**-9830K**

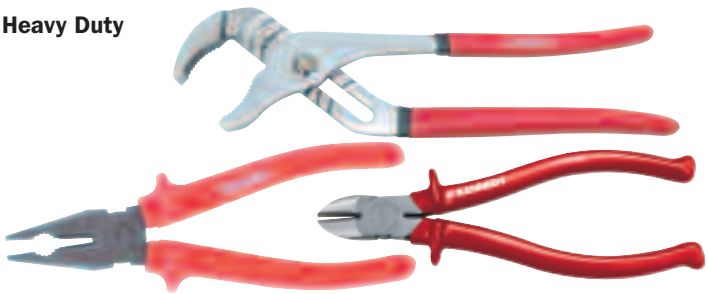


Contents	Product Number	Weight each	Order Code KEN-558
Adjustable Wrench 205mm Groove Joint 190mm Combination 180mm	501-108 558-367 558-346	840g	**-9810K**



Contents	Product Number	Weight each	Order Code KEN-558
Snipe Nose 205mm Diagonal Cutters 180mm Linesman Combi 205mm	558-323 558-333 558-358	830g	**-9850K**

Heavy Duty



Contents	Product Number	Weight each	Order Code KEN-558
Groove Joint 255mm Diagonal Cutters 180mm Combination 160mm	558-368 558-433 558-454	1000g	**-9840K**

KENNEDY PROFESSIONAL Pro-Torq Comfort Grip Plier Sets

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken.



Number of Pieces	Contents	Weight each	Order Code KEN-558
3	Snipe Nose 165mm Diagonal Nippers 140mm Combination Pliers 165mm	0.65kg	**-7000K**
4	Groove Joint 265mm Snipe Nose 215mm Diagonal Nippers 165mm Combination Pliers 200mm	1.45kg	**-7020K**

YAMOTO Chrome Vanadium Plier & Wrench Sets

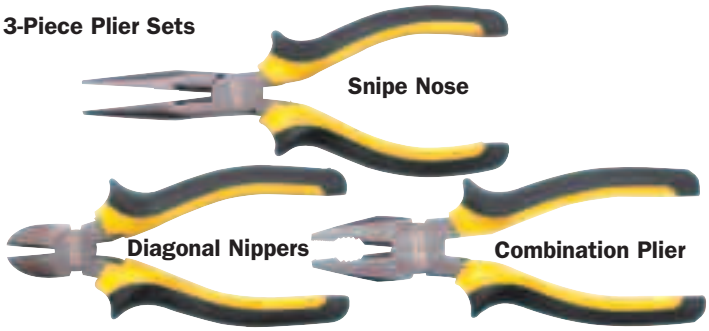
Manufactured from industrial quality chrome vanadium steel, chemically blacked with laser etched markings and bi-material grips.

3-Piece Plier & Wrench Set



Number of Pieces	Contents	Order Code YMT-558
3	Waterpump Plier 250mm Combination Plier 185mm Adjustable Wrench 150mm	**-9810K**

3-Piece Plier Sets



Number of Pieces	Contents	Order Code YMT-558
3	Snipe Nose 170mm Diagonal Nippers 150mm Combination Pliers 165mm	**-9830K**
3	Snipe Nose 200mm Diagonal Nippers 185mm Combination Pliers 210mm	**-9850K**

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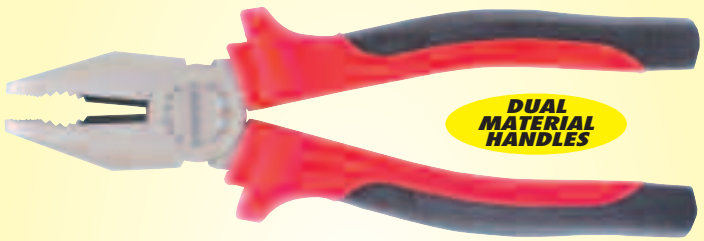
KENNEDY PROFESSIONAL

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip.

Pro-Torq Combination Pliers with Side Cutters

Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges with serrated jaws for gripping nuts



Overall Length	Weight each	Order Code KEN-558
165mm (6½")	210g	-6820K
180mm (7")	293g	-4800K
200mm (8")	370g	-6840K

Pro-Torq Insulated Combination Pliers

Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint for gripping nuts.

VDC/IEC 900 DIN EN 60900



1000VAC

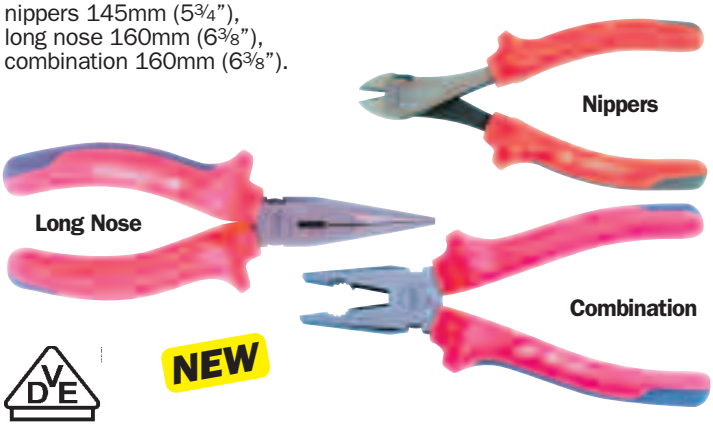
Overall Length	Weight each	Order Code KEN-558
160mm (6⅜")	226g	-5140K
180mm (7")	290g	-5160K
205mm (8")	344g	-5180K

Pro-Torq Insulated Plier Set

3 PIECES

3 Piece Set
Double polished head and joint with induction hardened cutting edges. **VDC/IEC 900 DIN EN 60900**.

3 Piece Set Contents:
nippers 145mm (5¾"),
long nose 160mm (6⅜"),
combination 160mm (6⅜").



Number of Pieces	Order Code KEN-558
3	-6980K

KENNEDY QUALITY INDUSTRIAL TOOLING

Universal Type Heavy Duty Combination Pliers

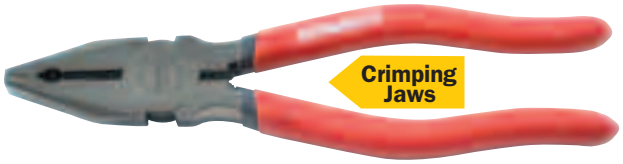
Universal type heavy duty combination pliers with single cutter. Chrome vanadium steel with heavy duty insulated handle with slip guard. Double polished head and joint. Serrated parallel jaws for gripping flat workpieces and a serrated curved jaw for gripping nuts, etc. Also with side cutter with induction hardened cutting edges.



Overall Length	Weight each	Order Code KEN-558
160mm (6⅜")	200g	-4520K
180mm (7")	275g	-4530K
205mm (8")	370g	-4540K

Universal Type Combination Pliers with Single Cutter

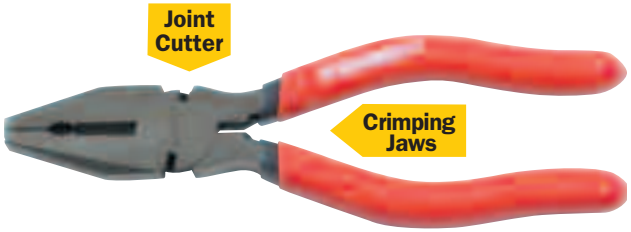
Chrome vanadium steel, bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges. Also with side cutter and serrated gripping and crimping jaws behind the head.



Overall Length	Weight each	Order Code KEN-558
115mm (4½")	100g	-3500K
150mm (6")	217g	-3520K
180mm (7")	250g	-3530K
205mm (8")	367g	-3540K

Universal Type Combination Pliers with Joint Cutter

Chrome vanadium steel, bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges. Also with side cutter, serrated gripping and crimping jaws behind the head and joint cutter for heavy duty wire cutting.



Overall Length	Weight each	Order Code KEN-558
180mm (7")	350g	-3460K

Soft Touch Engineer's Pliers - Slip Joint

Hardened steel body with replaceable soft nylon jaws and bonded vinyl-coated handle. For use on delicate or finished components which normal steel jaw pliers would mark or damage. Dual position joint allows use across a wide range of diameters. With serrated parallel jaws for gripping flat workpieces and curved jaw for gripping nuts, pipes etc.



Overall Length	Jaw Opening	Weight each	Order Code KEN-558
165mm	50mm	180g	-8960K
Pair of Jaws to suit		10g	-8970K

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SENATOR QUALITY TOOLING Multi-Function Plier Tools

A range of folding pliers with 'pen-knife' style blades. Featuring knives, can/bottle openers, metal/wood files (single and double cut), screwdrivers, chisels, saw blades, rules, wire benders, fish scalers, hook removers etc. Ideal for maintenance engineers, DIY enthusiast, fishermen and hobbyists.
Manufactured from the finest quality steel.

MTM610: 6 Blade - 10 Function
All stainless steel construction, spring-loaded pliers, easy to open blades.
Folds down to a compact 20 x 70mm.

Plier overall dimensions: 105 x 320mm.

Functions:
35mm clipt point mini knife blade,
5 x 25mm flat screwdriver, bottle opener with 2mm flat driver,
flat single/double cut file with hook remover,
35mm reamer,
tin opener,
serrated jaw pliers,
wire cutting jaws, spring return opener,
key ring.



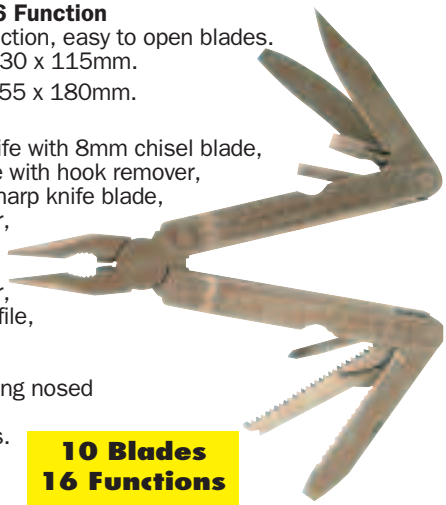
6 Blades 10 Functions

Model Number	Number of Functions	Order Code SEN-558
MTM610	10	-5010K

MTS1016: 10 Blade - 16 Function
All stainless steel construction, easy to open blades.
Folds down to a compact 30 x 115mm.

Plier overall dimensions: 55 x 180mm.

Functions:
55mm scalloped edge knife with 8mm chisel blade,
60mm wood cutting blade with hook remover,
65mm clipt point super sharp knife blade,
5 x 22mm flat screwdriver,
7mm flat screwdriver with bottle opener,
2 x 25mm flat screwdriver,
70mm single/double cut file,
awl/punch tool,
No.4 x 4mm crosspoint screwdriver, tin opener, long nosed pliers with serrated jaws,
bypass action wire cutters.



10 Blades 16 Functions

Model Number	Number of Functions	Order Code SEN-558
MTS1016	16	-5040K

MTS1015: 10 Blade - 15 Function
All stainless steel construction, easy to open blades.
Folds down to a compact 25 x 100mm.

Plier overall dimensions: 50 x 163mm.

Functions:
60mm super sharp knife blade,
60mm scalloped edge knife,
5 x 22mm screwdriver blade,
7 x 25mm screwdriver blade,
2 x 20mm flat screwdriver,
awl/punch tool,
65mm single/double cut file,
No.0 x 25mm crosspoint screwdriver, inch graduated rule with fish descaler and hook remover, tin opener,
long nose pliers with flat and curved serrated jaws,
bypass action wire cutters.

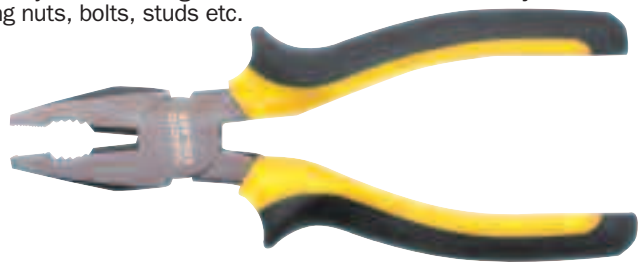


10 Blades 15 Functions

Model Number	Number of Functions	Order Code SEN-558
MTS1015	15	-5030K

YAMOTO INDUSTRIAL PLIERS Combination Pliers

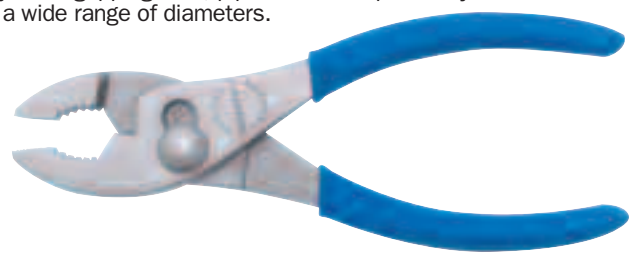
Industrial quality chrome vanadium steel, chemically blacked. Particularly useful for engineers and electricians. Serrated jaws for gripping nuts, bolts, studs etc.



Overall Length	Weight each	Order Code YMT-558
160mm (6")	180g	-4560K
185mm (7")	310g	-4570K
210mm (8")	400g	-4580K

SENATOR QUALITY TOOLING Engineer's Pliers - Slip Joint

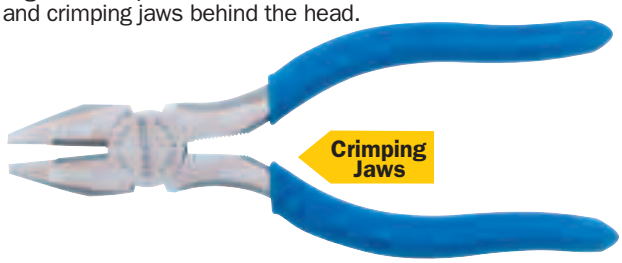
Chrome vanadium with a chrome finish and textured grip dipped handles. With serrated parallel jaws for gripping flat workpieces and curved jaw for gripping nuts, pipes etc. Dual position joint allows use across a wide range of diameters.



Overall Length	Weight each	Order Code SEN-558
150mm (6")	190g	-4630K
200mm (8")	250g	-4640K
255mm (10")	405g	-4650K

Heavy Duty Lineman's Pliers

Heavy duty standard manufactured from chrome vanadium steel with a satin finish. Serrated jaws for gripping nuts, bolts, studs etc. Side cutting for wire up to 1.6mm diameter. Also with serrated gripping and crimping jaws behind the head.



Crimping Jaws

Overall Length	Weight each	Order Code SEN-558
160mm (6 3/8")	190g	-4560K
185mm (7 1/2")	260g	-4570K
210mm (8 3/8")	330g	-4580K

Heavy Duty Plier Set

Heavy duty standard manufactured from chrome vanadium steel with a satin finish.

Overall length:
150mm (6"):

3 Piece Set Contents:
long nose pliers with cutter,
diagonal cutting nippers,
linesman's pliers.

NEW



3 PIECES

Number of Pieces	Order Code SEN-558
3	-9830K

HAND TOOLS

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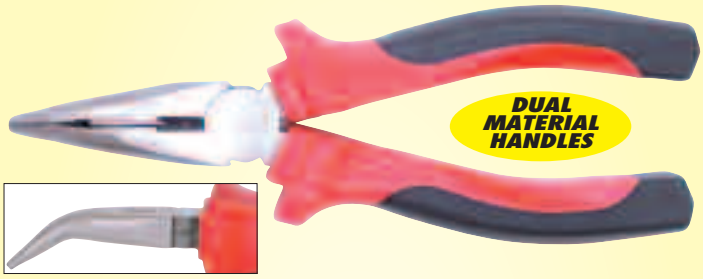
KENNEDY PROFESSIONAL

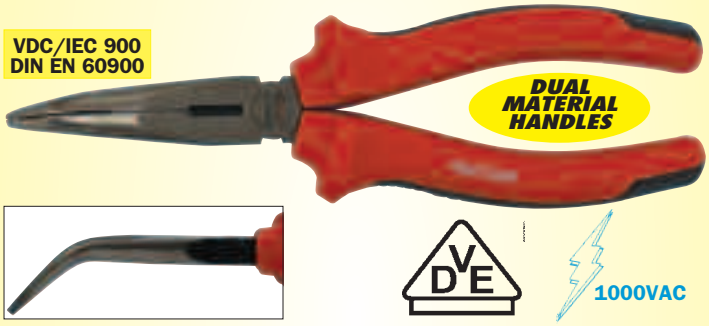
Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges with serrated jaws for gripping nuts.

Pro-Torq Bent Nose Pliers with Side Cutter



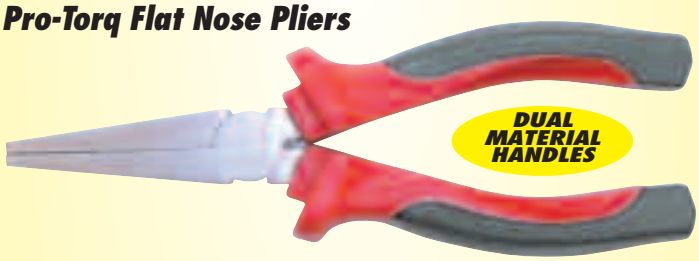
Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	165g	-4820K
200mm (8")	190g	-4840K

Pro-Torq Insulated Bent Nose Pliers



Overall Length	Weight each	Order Code KEN-558
205mm (8")	212g	-5060K

Pro-Torq Flat Nose Pliers

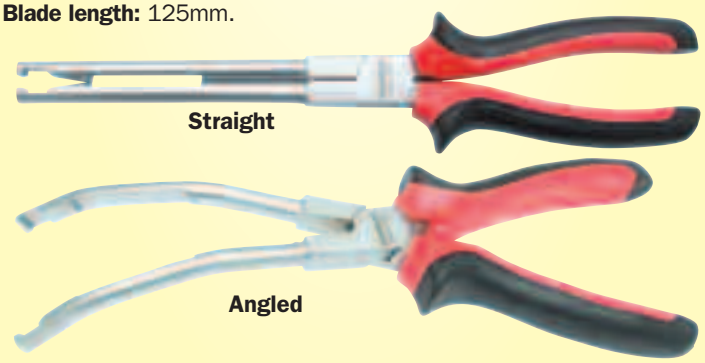


Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	167g	-4920K

Professional Glow Plug Connector Pliers

Suitable for the removal of hard to reach glow plug connectors found on the latest generation of engines. Made from chrome vanadium steel. Composite handle provides added comfort and control.

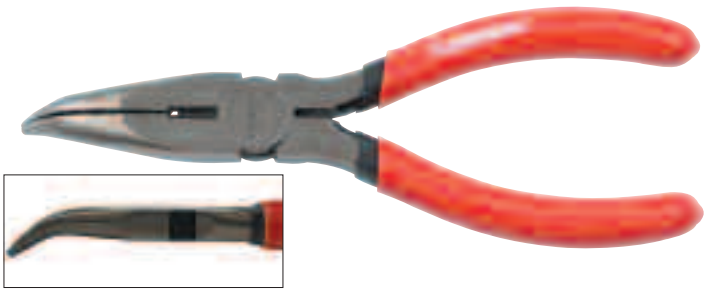
Blade length: 125mm.



Jaw Type	Order Code KEN-503
Straight	-1240K
Angled	-1260K

KENNEDY Bent Nose Pliers with Side Cutter

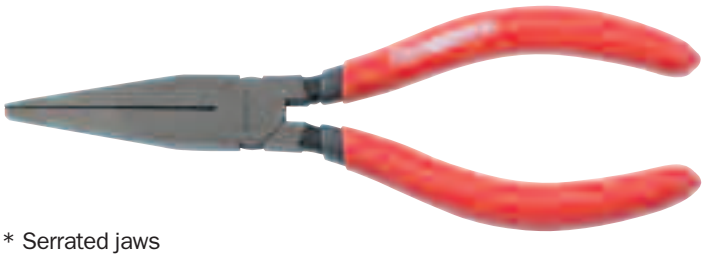
Chrome vanadium steel, bonded vinyl coated handle. Double polished head and joint with induction hardened cutting edges. Serrated jaws with side cutter.



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	166g	-3250K
200mm (8")	234g	-3260K

Flat Nose Pliers

Ideal for general gripping especially thin materials. Bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges.

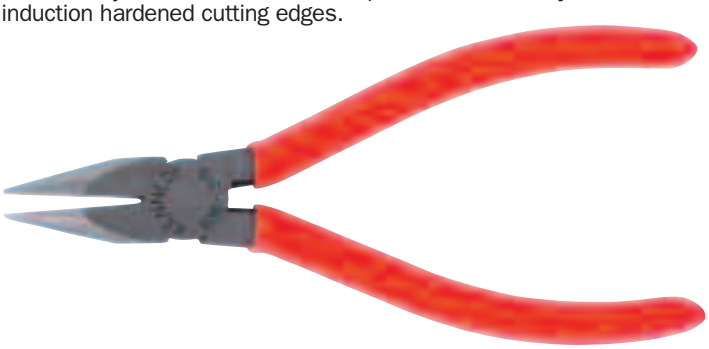


* Serrated jaws

Overall Length	Weight each	Order Code KEN-558
140mm (5 1/2")	108g	-3020K
*160mm (6 3/8")	183g	-3050K

Pointed Nose Assembly Pliers

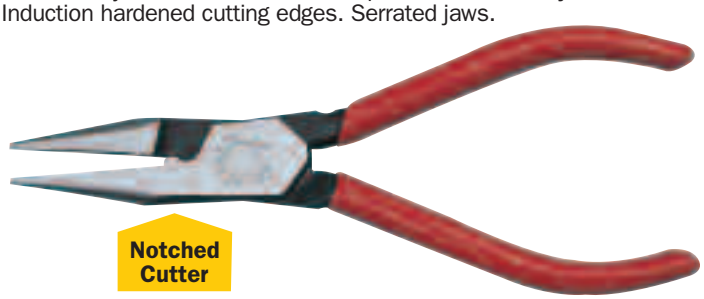
Bonded vinyl-coated handle. Double polished head and joint with induction hardened cutting edges.



Overall Length	Weight each	Order Code KEN-558
125mm (5")	91g	-3150K

Electrician's Flat Nose Pliers with Notched Wire Cutter

Bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges. Serrated jaws.



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	166kg	-3140K

HAND TOOLS

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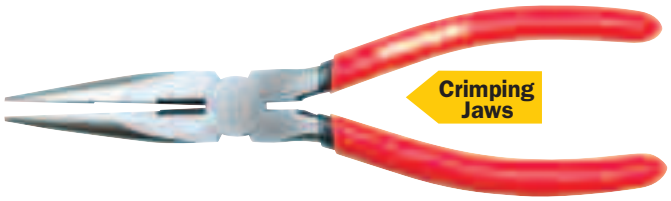
KENNEDY Snipe Nose Pliers with Cutter

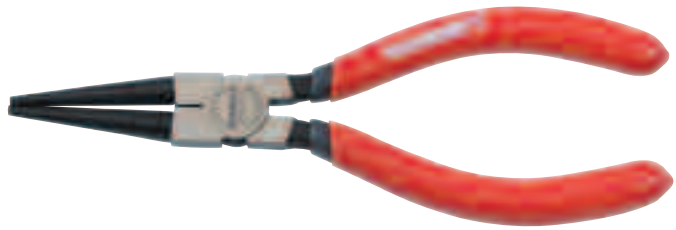
Chrome vanadium steel, with bonded vinyl coated handle. Double polished head and joint with induction hardened cutting edges. Also with side cutter and serrated gripping and crimping jaws behind the head.



Overall Length	Weight each	Order Code KEN-558
140mm (5½")	118g	-3200K
160mm (6⅜")	147g	-3210K
200mm (8")	218g	-3230K

Long Jaw Round Nose Pliers

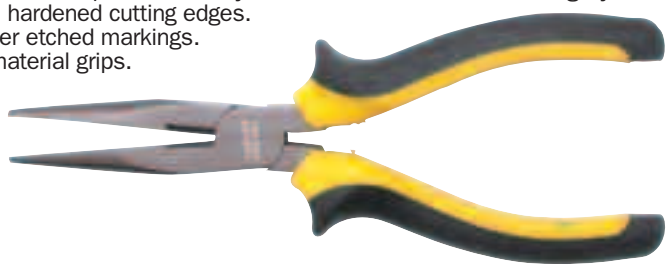
Bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges. The round nose jaws allow the forming of loops in wire or thin strips of material.



Overall Length	Weight each	Order Code KEN-558
160mm (6⅜")	142g	-3120K

YAMOTO INDUSTRIAL PLIERS Long Nose Pliers

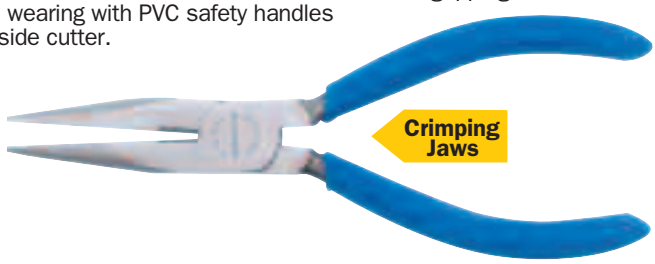
Industrial quality chrome vanadium steel, chemically blacked. Ideal for terminal loupe forming, wire manipulation and shape forming in confined spaces. Round jaw finish with smooth action single joints and hardened cutting edges.
Laser etched markings.
Bi-material grips.



Overall Length	Weight each	Order Code YMT-558
135mm (5¼")	110g	-4180K
170mm (6¾")	110g	-4200K
190mm (7½")	120g	-4210K
200mm (8")	180g	-4230K

SENATOR QUALITY TOOLING Heavy Duty Snipe Nose Pliers with Cutter

Heavy duty standard manufactured from chrome vanadium with satin finish. Built-in serrated section behind head for gripping.
Hard wearing with PVC safety handles and side cutter.

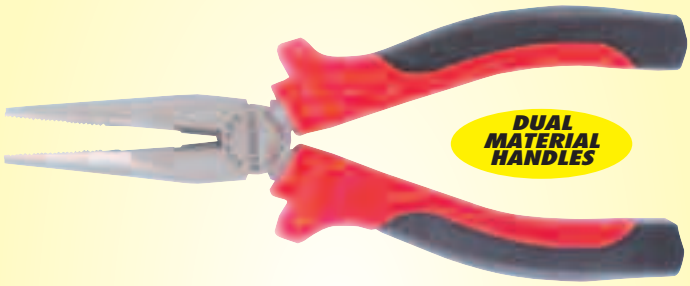


Overall Length	Weight each	Order Code SEN-558
125mm (5")	115g	-4200K
150mm (6")	160g	-4210K
200mm (8")	215g	-4230K

KENNEDY PROFESSIONAL

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges with serrated jaws for gripping nuts.

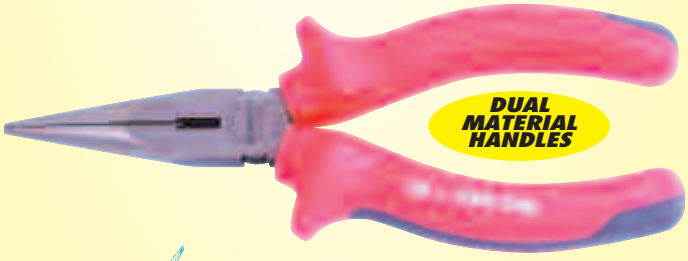
Pro-Torq Snipe Nose Pliers with Side Cutter



Overall Length	Weight each	Order Code KEN-558
165mm (6½")	140g	-6860K
215mm (8½")	210g	-6880K

Pro-Torq Insulated Snipe Nose Pliers

VDC/IEC 900
DIN EN 60900



1000VAC

Overall Length	Weight each	Order Code KEN-558
160mm (6⅜")	157g	-5020K
205mm (8")	221g	-5040K

KENNEDY Heavy Duty Snipe Nose Pliers with Cutter

Chrome vanadium steel, heavy duty handle with slip guard. Double polished head and joint with induction hardened cutting edges. Also with side cutter and serrated gripping and crimping jaws behind the head.



Overall Length	Weight each	Order Code KEN-558
140mm (5½")	125g	-4200K
160mm (6⅜")	150g	-4210K
200mm (8")	200g	-4230K

HAND TOOLS

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KENNEDY PROFESSIONAL

Pro-Torq End Cutting Nippers

Manufactured from specially selected steels. Dual material grip handle. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Double polished head and joint. Induction hardened cutting edges.



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	261g	-4860K
200mm (8")	408g	-4880K

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges.

Pro-Torq Diagonal Cutting Nippers



Overall Length	Weight each	Order Code KEN-558
125mm (5")	170g	-6900K
165mm (6 1/2")	210g	-6920K

Pro-Torq Insulated Diagonal Cutting Nippers

VDC/IEC 900
DIN EN 60900



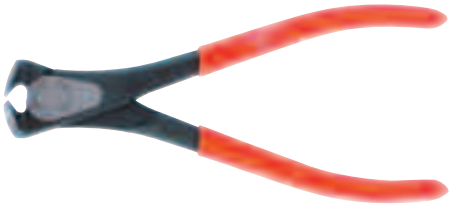
1000VAC

Overall Length	Weight each	Order Code KEN-558
145mm (5 3/4")	215g	-5080K
160mm (6 3/8")	205g	-5100K
205mm (8")	262g	-5120K

KENNEDY QUALITY INDUSTRIAL TOOLING

End Cutting Nippers

Bonded vinyl-coated handle, double polished head and joint with induction hardened cutting edges. The robust construction makes these ideal for twisting and cutting wire in the construction industry.



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	1.30kg	-3620K

High Tensile Diagonal Cutting Pliers

Chrome vanadium steel, with bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges.



Overall Length	Weight each	Order Code KEN-558
160mm (6 3/8")	216g	-3410K
180mm (7")	283g	-3430K

Heavy Duty Diagonal Cutting Nippers

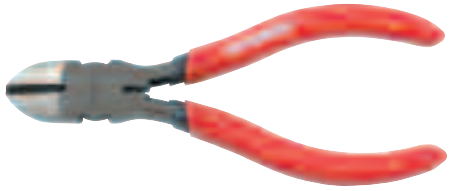
Heavy duty handle with slip guard. Double polished head and joint. Induction hardened cutting edges.



Overall Length	Weight Per 6	Order Code KEN-558
140mm (5 1/2")	0.83g	-4300K
160mm (6 3/8")	1.20g	-4320K
180mm (7")	1.30g	-4330K

Standard Diagonal Cutting Nippers

Bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges. Designed to give added strength at the point yet still fit into confined spaces. The cutting edge is offset at a slight angle to the handles to allow close cuts to a flat surface.



Overall Length	Weight Per 6	Order Code KEN-558
130mm (5 1/4")	0.75kg	-3300K
160mm (6 3/8")	1.10kg	-3320K
180mm (7")	1.30kg	-3330K

Wire Rope Cutters

Contoured steel handles with vinyl grip for improved comfort and control. Heavy duty blades manufactured from tempered and hardened high carbon steel with polished finish. Spring-loaded cutting action for easy one-handed operation with safety lock.

Wire rope capacity: 4.8mm,
Spring wire: 1.5mm.

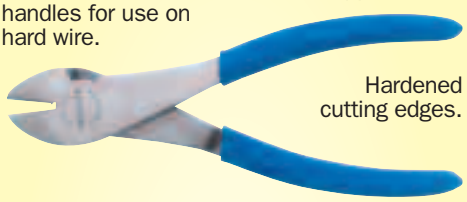


Length (mm)	Weight each	Order Code KEN-558
150mm	350g	-5700K

SENATOR QUALITY TOOLING

High Tensile Diagonal Cutting Nippers

Chrome vanadium with textured dipped handles for use on hard wire.

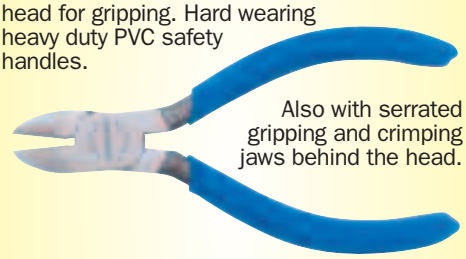


Hardened cutting edges.

Overall Length	Weight each	Order Code SEN-558
175mm (7")	180g	-4430K

Heavy Duty Diagonal Cutting Nippers

Chrome vanadium steel with a satin finish. Also have a serrated section behind the head for gripping. Hard wearing heavy duty PVC safety handles.



Also with serrated gripping and crimping jaws behind the head.

Overall Length	Weight each	Order Code SEN-558
125mm (5")	170g	-4300K
150mm (6")	205g	-4320K
200mm (8")	270g	-4340K

YAMOTO INDUSTRIAL PLIERS

Diagonal Cutting Nippers

Industrial quality chrome vanadium steel, chemically blacked. Designed to give added strength at the point and allow hard wire to be cut without damaging the edge.
Bi-material grips.



Overall Length	Weight each	Order Code YMT-558
130mm (5 1/4")	110g	-4300K
160mm (6 1/4")	170g	-4320K
185mm (7 1/4")	230g	-4340K

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KENNEDY Heavy Duty Cable Cutters

For use when cutting aluminium and copper cable, using a slicing action.
Manufactured from forged steel with PVC dipped handles.

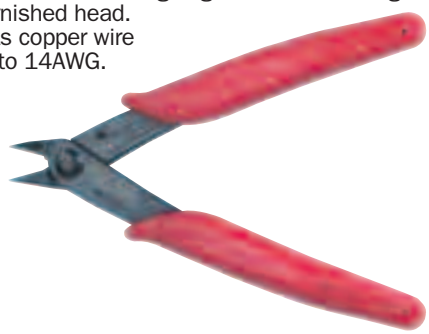
Capacity: 60mm².



Overall Length	Weight each	Order Code KEN-558
255mm	516g	**-8220K**

Electronics Shear

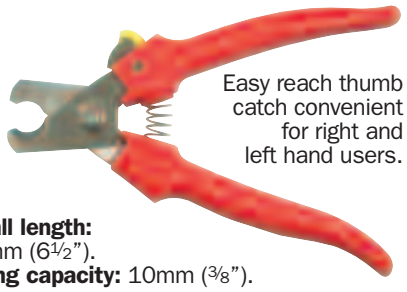
Ground carbon steel blades. Cushion spring-loaded plastic grips. Steel plate spring.
Non-bevelled cutting edges for flush cutting.
Burnished head.
Cuts copper wire up to 14AWG.



Grip Type	Overall Length	Weight each	Order Code KEN-558
Standard	130mm	75g	**-4060K**

Light Duty Cable Cutters

For cutting copper cable, plastic pipe, wooden dowels, rope cord and similar materials up to 10mm diameter.
Precision groundand hardened stainless steel blades 50~54HRC.
Lightweight polypropylene handles with spring loaded action.



Easy reach thumb catch convenient for right and left hand users.

Overall length: 165mm (6½").
Cutting capacity: 10mm (⅜").

Cutting Capacity	Overall Length	Weight each	Order Code KEN-558
10mm	165mm	130g	**-5640K**

Cable Cutters

Drop-forged from high carbon micro alloyed steel induction hardened blades.
Tough double tempered handles.
For cutting copper cable up to 10mm diameter.



Overall Length	Weight each	Order Code KEN-558
200mm		**-5680K**

Ratcheting Cable Cutter

Manufactured from high tensile steel.
For cutting copper, aluminium and multiple strand cable. Fully hardened cutting edges produce burr-free cuts. Compound lever action for maximum efficiency and moulded cushion grips for user comfort.



Cutting Capacity	Weight each	Order Code KEN-558
32mm	675g	**-8200K**
Spare blades	75g	**KEN-567-5500K**

Ratchet Type Cable Cutter

These cable cutters have heat treated cutting edgesi and are designed to cut copper/aluminium cables with minimal distortion.

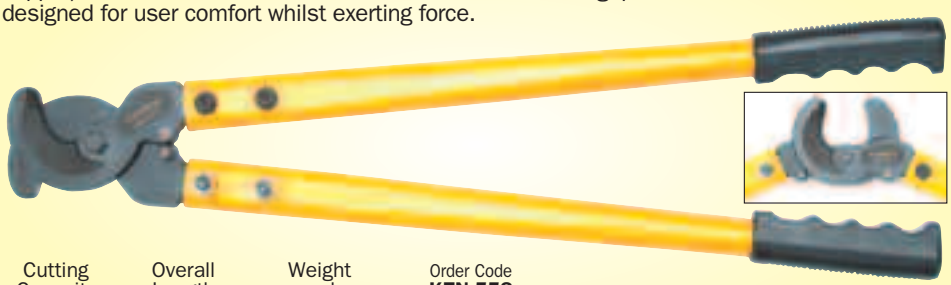


The soft grip handles are designed for user comfort whilst exerting force.

Cutting Capacity	Overall Length	Weight each	Order Code KEN-558
32mm	335mm	995g	**-9500K**
38mm	335mm	995g	**-9510K**

Lever Type Cable Cutter

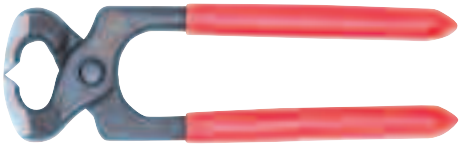
These cable cutters have heat-treated cutting edges and are designed to cut copper/aluminium cables with minimal distortion. The soft grip handles are designed for user comfort whilst exerting force.



Cutting Capacity	Overall Length	Weight each	Order Code KEN-558
18mm	380mm	3.4kg	**-9400K**
25mm	550mm	3.4kg	**-9410K**
40mm	820mm	3.4kg	**-9420K**

Carpenter's Pincers

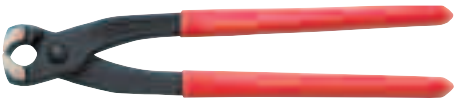
Ideal for the easy removal of tacks and nails. Bonded vinyl-coated handle, double polished head and joint with induction hardened cutting edges.



Overall Length	Weight Per 6	Order Code KEN-558
150mm (6")	2.20kg	**-3730K**
180mm (7")	2.00kg	**-3740K**
200mm (8")	2.40kg	**-3760K**

O-Clip Pincers

O-clip pincers are designed for rapidly closing O-clips ensuring a positive tamperproof seal. Manufactured from chrome vanadium steel with induction hardened, ground and polished jaws.



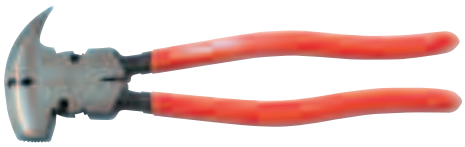
NEW

Bonded vinyl-coated handle.
Overall length: 200mm.

Overall Length	Order Code KEN-558
200mm (8")	**-1000K**

Fencing Tool

Chrome vanadium steel, with heavy duty handle with slip guard. Double polished head and joint. Induction hardened cutting edges. Also with serrated gripping and crimping jaws behind the head.



Overall Length	Weight each	Order Code KEN-558
270mm (10½")	716g	**-3720K**

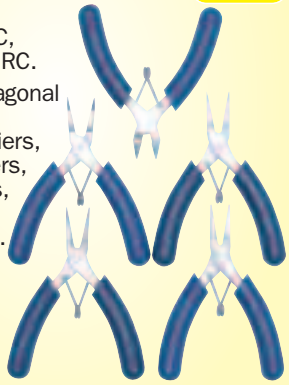
SENATOR QUALITY TOOLING Miniature Plier Set

5 Piece Set
Used for precision work on a number of applications.
Spring tensioned pliers suited for repetitive use. Fitted with slip-resistant PVC cushion grip handles and heat-treated stainless steel blades.

5 PIECES

Hardness:
Pliers 42 - 45HRC,
Nippers 45 - 48HRC.

Set contents: diagonal nippers 90mm;
45° bent nose pliers,
pointed nose pliers,
round nose pliers,
and flat nose pliers all 100mm.



Number of Pieces	Weight each	Order Code SEN-558
5	265g	**-8010K**

HAND TOOLS

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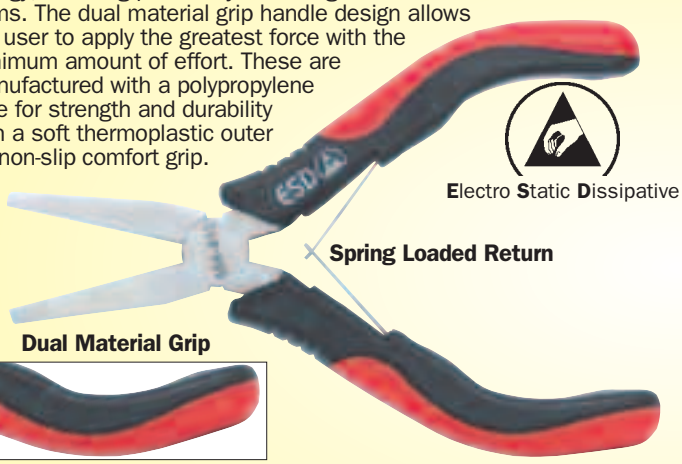
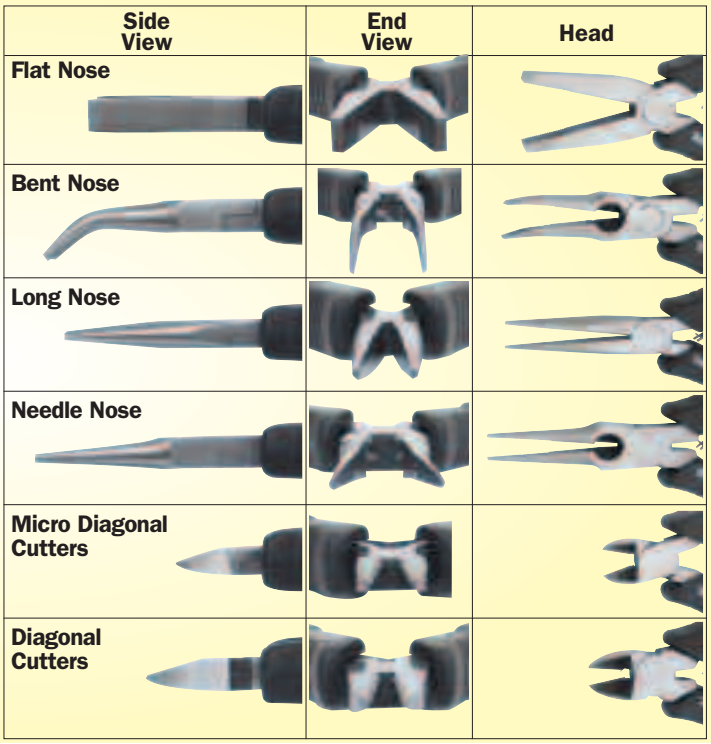
KENNEDY PROFESSIONAL Pro-Torq Miniature ESD Pliers & Cutters

Dissipative handles safely discharge any electrostatic energy, reducing possibility of damage to sensitive items. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. These are manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip.



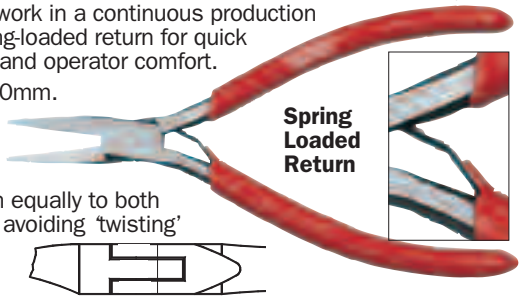
Type	Overall Length	Order Code KEN-558
Flat Nose	130mm	-9120K
Bent Nose	140mm	-9160K
Long Nose	130mm	-9130K
Needle Nose	140mm	-9150K
Micro Diagonal Cutters	110mm	-9060K
Diagonal Cutters	115mm	-9080K



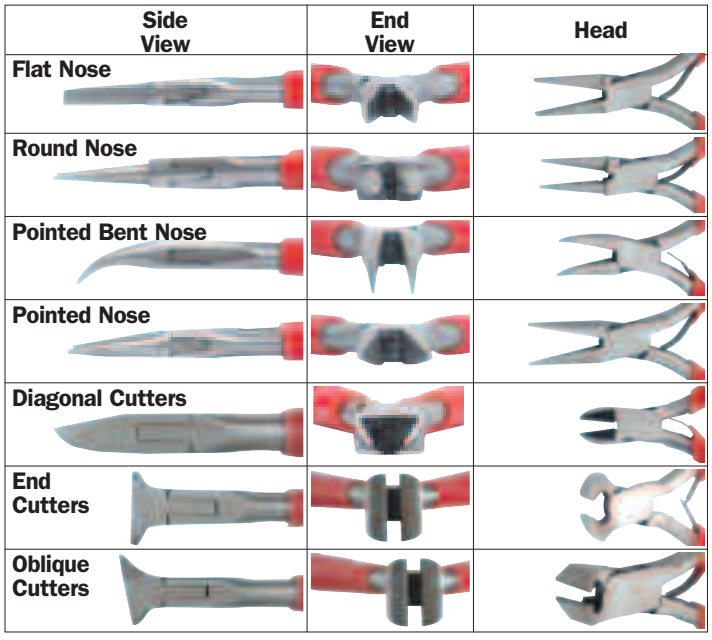
KENNEDY QUALITY INDUSTRIAL TOOLING Electronics Pliers & Cutters

Made from high quality chrome vanadium with ground finish jaws and bonded vinyl grip for user comfort and control. Used for delicate, fine and accurate work in a continuous production environment. Spring-loaded return for quick repetitive opening and operator comfort.

Overall length: 120mm.



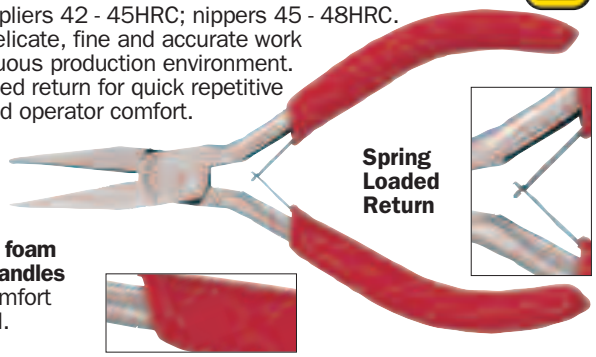
Box Joint
Distributes tension equally to both sides of each jaw, avoiding 'twisting' of pliers.



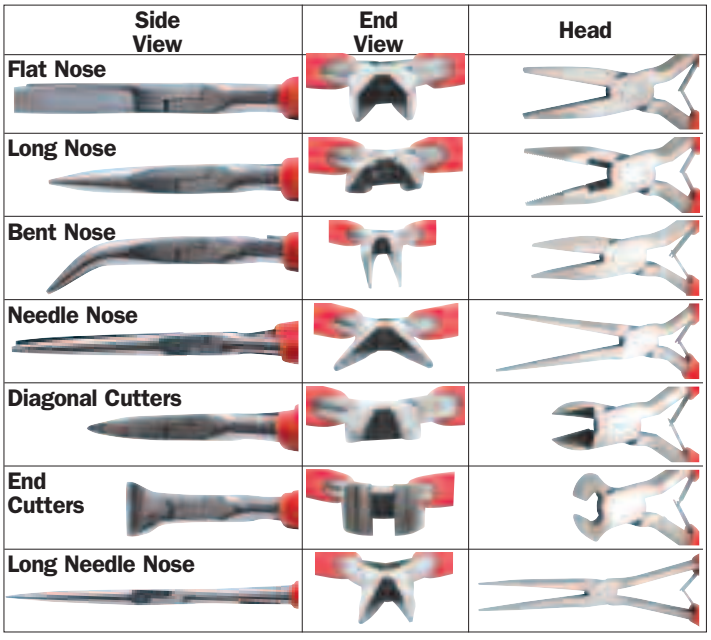
Type	Overall Length	Order Code KEN-558
Flat Nose	120mm	-7600K
Round Nose	120mm	-7610K
Pointed Bent Nose	120mm	-7620K
Pointed Nose	120mm	-7630K
Pointed Nose - Single Joint	120mm	-7330K
Diagonal Cutters	120mm	-7640K
End Cutters	120mm	-7650K
Oblique Cutters	120mm	-7660K

Stainless Steel Pliers & Cutters

Manufactured from heat-treated stainless steel. **Hardness:** pliers 42 - 45HRC; nippers 45 - 48HRC. Used for delicate, fine and accurate work in a continuous production environment. Spring-loaded return for quick repetitive opening and operator comfort.



Cushioned foam safe-grip handles for user comfort and control.



Type	Overall Length	Order Code KEN-558
Flat Nose	120mm	-2560K
Long Nose	120mm	-2530K
Bent Nose	120mm	-2520K
Needle Nose	120mm	-2510K
Diagonal Cutters	120mm	-2540K
End Cutters	120mm	-2550K
Long Needle Nose	180mm	-2610K

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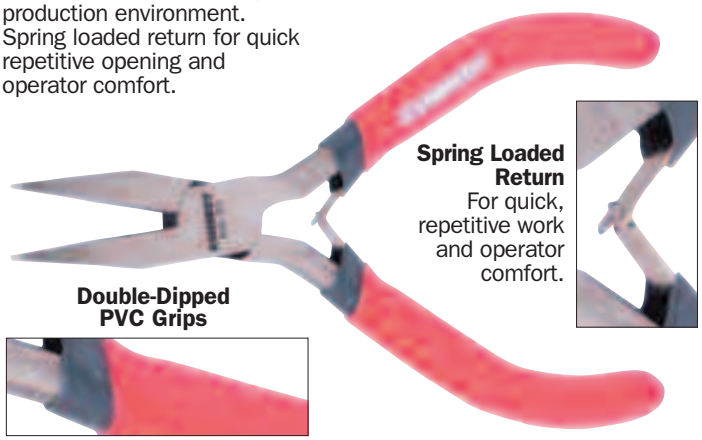
KENNEDY Miniature Pliers

Made from high quality chrome nickel steel with induction ground cutting edges. Double dipped PVC grips for user comfort and control. Used for delicate, fine and accurate work in a continuous production environment.
Spring loaded return for quick repetitive opening and operator comfort.



Spring Loaded Return
For quick, repetitive work and operator comfort.

Double-Dipped PVC Grips

Side View	End View	Head
Flat Nose		
Bent Nose		
Long Nose		
Needle Nose		
Diagonal Cutters		
End Cutters		

Type	Overall Length	Order Code KEN-558
Flat Nose	130mm	-7440K
Bent Nose	120mm	-7430K
Long Nose	130mm	-7450K
Needle Nose	150mm	-7460K
Diagonal Cutters	110mm	-7410K
End Cutters	110mm	-7420K

Set
Supplied in a cushioned zip around case with elasticated tool loops to keep the pliers and cutters secure.

Contents:
1x flat nose - 130mm,
1x bent nose - 120mm,
1x long nose - 130mm,
1x needle nose - 150mm,
1x diagonal cutters - 110mm,
1x end cutters - 110mm.

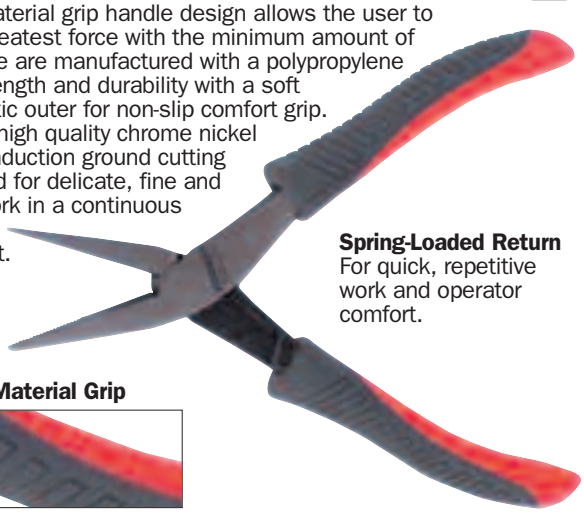


6 PIECES

Number of Pieces	Order Code KEN-558
6	-7470K

KENNEDY PROFESSIONAL Pro-Torq Miniature Pliers

The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. These are manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Made from high quality chrome nickel steel with induction ground cutting edges. Used for delicate, fine and accurate work in a continuous production environment.



Spring-Loaded Return
For quick, repetitive work and operator comfort.

Dual Material Grip

Side View	End View	Head
Flat Nose		
Bent Nose		
Long Nose		
Needle Nose		
Diagonal Cutters		
End Cutters		

Type	Overall Length	Order Code KEN-558
Flat Nose	130mm	-1210K
Bent Nose	120mm	-1230K
Long Nose	130mm	-1240K
Needle Nose	150mm	-1220K
Diagonal Cutters	110mm	-1250K
End Cutters	110mm	-1260K

Set
Supplied in a cushioned zip around case with elasticated tool loops to keep the pliers and cutters secure.

Contents:
1x flat nose - 130mm,
1x bent nose - 120mm,
1x long nose - 130mm,
1x needle nose - 150mm,
1x diagonal cutters - 110mm,
1x end cutters - 110mm.



6 PIECES

Number of Pieces	Order Code KEN-558
6	-1300K

HAND TOOLS

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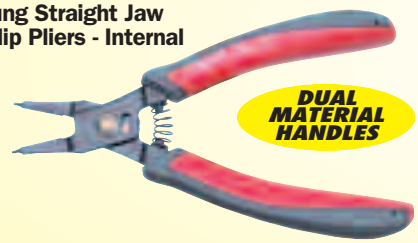
KENNEDY PROFESSIONAL Pro-Torq Sprung Circlip Pliers

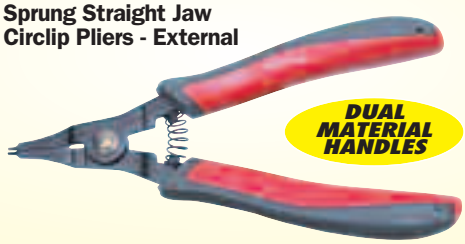
Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. These are manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Double polished head and joint. Induction hardened cutting edges. Especially suitable for production line environments where repetitive work is undertaken.

Sprung Straight Jaw Circlip Pliers - Internal



Circlip Capacity	Overall Length	Order Code KEN-558
10 - 25mm	150	-6050K
12 - 65mm	170	-6070K

Sprung Straight Jaw Circlip Pliers - External



Circlip Capacity	Overall Length	Order Code KEN-558
10 - 25mm	150	-6060K
19 - 40mm	170	-6080K

Sprung Internal & External Straight Jaw 4 Piece Circlip Plier Set

Supplied in a plastic moulded carry case.

Contents 1 of each:
External straight jaw,
10 - 25mm and
19 - 40mm.
Internal straight jaw,
10 - 25mm and
12 - 65mm.

DUAL MATERIAL HANDLES



4 PIECES

Number of Pieces	Weight each	Order Code KEN-558
4	490g	-6090K

KENNEDY QUALITY INDUSTRIAL TOOLING

European Pattern Circlip Pliers

Industrial quality chrome vanadium hardened and tempered. PVC cushion grip handles. Coil sprung to aid operation.

External - Straight Jaw



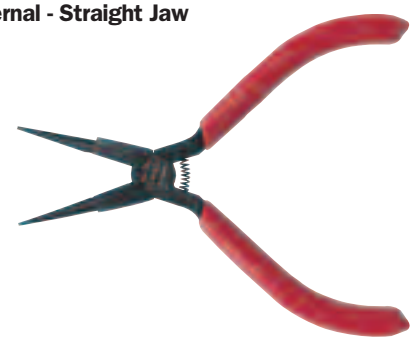
Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 25mm	125	-6520K
19 - 40mm	175	-6570K
32 - 60mm	250	-6620K

External - 90° Angled Jaw



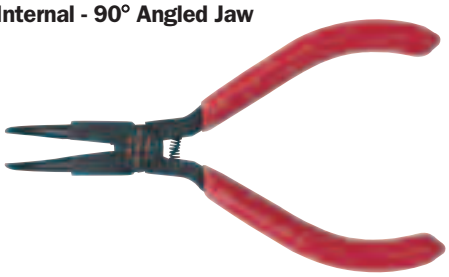
Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 25mm	125	-6530K
19 - 40mm	175	-6580K
32 - 80mm	250	-6630K

Internal - Straight Jaw



Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 25mm	125	-6500K
19 - 65mm	175	-6550K
32 - 60mm	250	-6600K

Internal - 90° Angled Jaw

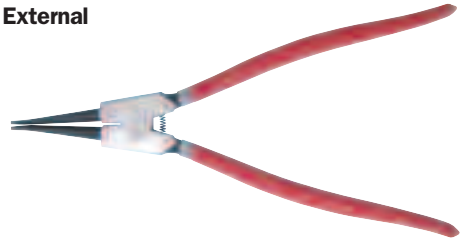


Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 25mm	125	-6510K
19 - 65mm	175	-6560K
32 - 80mm	250	-6610K

Circlip Pliers

Long Handled
Industrial quality chrome vanadium hardened and tempered. PVC cushion grip handles. Coil sprung to aid operation.
Overall length: 300mm (12”).

External



Circlip Capacity	Jaw	Order Code KEN-558
85 - 165mm	Straight	-6670K
	90° angled	-6680K

Internal



Circlip Capacity	Jaw	Order Code KEN-558
85 - 165mm	Straight	-6650K
	90° angled	-6660K

Mini Circlip Pliers

4 Piece Set
Set of four pliers for internal and external circlips (range 10-30mm).
The pliers feature non-slip PVC grips and spring-loaded jaws.

The set comprises Straight and Bent Nose, Internal and External Pliers.



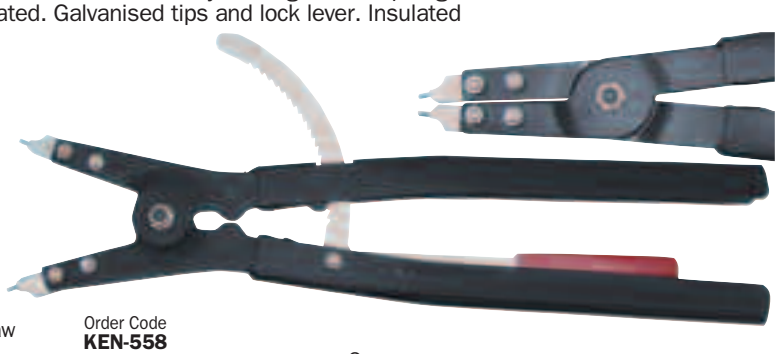
4 PIECES

NEW

Number of Pieces	Order Code KEN-558
4	-6160K

Heavy Duty Snap Ring Pliers

Ratcheting
Heat-treated steel circlip pliers for large equipment repair. Replaceable tips and spring ratchet locking mechanism to securely hold against snap ring tension. Black powder coated. Galvanised tips and lock lever. Insulated lever handle.
Overall length:
510mm (20”).
Circlip capacity:
165 -300mm



Type	Jaw	Order Code KEN-558
Internal	Straight	-6700K
	90° angled	-6710K
External	Straight	-6720K
	90° angled	-6730K

Spare Jaws	Order Code KEN-567
Straight	-3820K
Angled	-3840K

HAND TOOLS

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KENNEDY QUALITY INDUSTRIAL TOOLING

Reversible Circlip Pliers

These straight and bent nose pliers are reversible for both internal and external circlip insertion and removal, made from high grade carbon steel with comfortable insulated handles.

Straight Jaw



Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 18mm	150	-5870K
12 - 25mm	150	-5890K
18 - 48mm	210	-5910K

45° Angled Jaw



Circlip Capacity	Length (mm)	Order Code KEN-558
10 - 18mm	150	-5880K
12 - 25mm	150	-5900K
18 - 48mm	210	-5920K

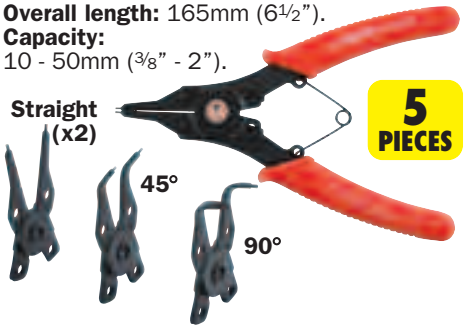
Straight & Bent Nose 6 Piece Reversible Circlip Plier Set
Contents: one of each type and size as listed above. Supplied in moulded carry case.



Number of Pieces	Weight each	Order Code KEN-558
6	1.30g	-5930K

Interchangeable Head Circlip Plier Set

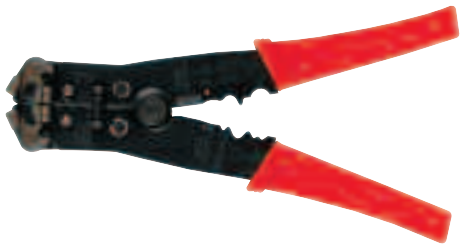
Four piece circlip plier set - six tools in one. Internal and external 0°, 45° and 90°.
Overall length: 165mm (6½").
Capacity:
10 - 50mm (⅜" - 2").



Number of Pieces	Weight each	Order Code KEN-558
5	210g	-6750K

Heavy Duty Wire Strippers

Multi-purpose tool with alloy steel jaws suitable for stripping, cutting and crimping all types of wire. Automatic wire stripper.



Crimps: non-insulated terminals 1.5, 2.5 and 4 - 6mm 12 - 10, 22 - 18 and 16 - 14 AWG).
Crimps: insulated terminals 1.5, 2.5 and 6mm (10 - 22 AWG).
Capacity: 0.13 - 6.0mm².

Overall Length	Order Code KEN-558
200mm	-3600K

KENNEDY PROFESSIONAL

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip.

Pro-Torq Wire Strippers

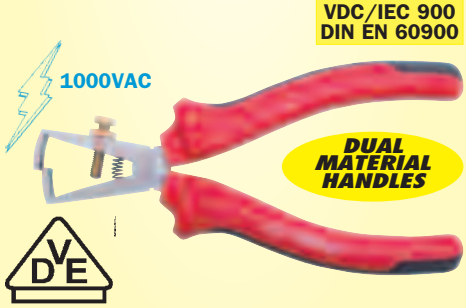
Double polished head and joint. Serrated parallel jaws and a serrated curved jaw. Also with side cutter with induction hardened cutting edges. Especially suitable for production line environments where repetitive work is undertaken.



Overall Length	Weight each	Order Code KEN-558
170mm (7")	223g	-4900K

Pro-Torq Insulated End Wire Strippers

Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint with induction hardened cutting edges.



Overall Length	Weight each	Order Code KEN-558
160mm (6⅜")	199g	-5200K

Standard Duty Wire Strippers

Bonded vinyl coated handle, double polished head and joint with induction hardened cutting edges. Brass adjusting screw. Jaws can be reset for perfect stripping every time.



Overall Length	Order Code KEN-558
155mm (6")	-3590K

Wire Twisting Pliers

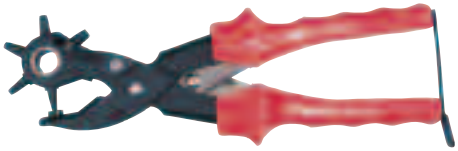
Manufactured from chrome vanadium steel with ground and polished head. Cross knurled jaws with wire cutter. Used for safety-wiring critical fasteners and electrical connectors.



Size	Order Code KEN-558
8"	-3900K
10"	-3920K

Revolving Punch Pliers

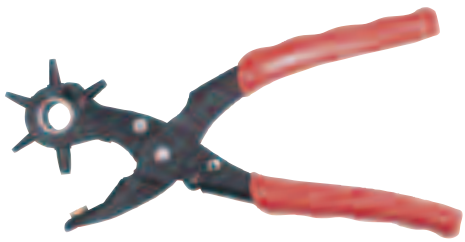
Heavy Duty
Suitable for producing 2, 2.5, 3, 3.5, 4 and 4.5mm holes in a wide range of materials including card, PVC, etc. Hardened steel body with durable epoxy coating. The six revolving punches cutting edges are induction hardened. Compound lever action, requires 70% less force. Moulded contour grips with slip guards.



Overall Length	Order Code KEN-558
270mm (10½")	-3800K

Revolving Punch Pliers

Standard Duty
For producing 2, 2.5, 3, 3.5, 4 and 4.5mm holes in a wide range of materials including card, PVC etc. Hardened steel body with durable epoxy coating. Six revolving punches cutting edges are induction hardened. Moulded contour grips.



Overall Length	Order Code KEN-558
250mm (10")	-3780K

HAND TOOLS

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KENNEDY PROFESSIONAL Straight Jaw Bi-Material Handle Grip Wrenches

Rolled chrome vanadium steel bodies, drop-forged hardened steel jaws with corrosion-resistant bright nickel coating.
The dual material handle design allows the user to apply the greatest force with the minimum amount of effort. The jaw opening and clamping pressure can be adjusted with the knurled head screw, fitted with wire spring to ensure efficient opening of the jaws.
The locking mechanism holds the wrench in place once adjusted, leaving both hands free.



Size	Type	Order Code KEN-558
7”	Straight Jaw	-7030K
10”	Straight Jaw	-7040K

KENNEDY QUALITY INDUSTRIAL TOOLING Grip Wrenches

Rolled chrome vanadium steel bodies, drop forged hardened steel jaws with corrosion-resistant bright nickel coating. The jaw opening and clamping pressure can be adjusted with the knurled head screw, fitted with wire spring to ensure efficient opening of the jaws. The locking mechanism holds the wrench in place once adjusted, leaving both hands free.

Straight Jaw
For general-purpose gripping.

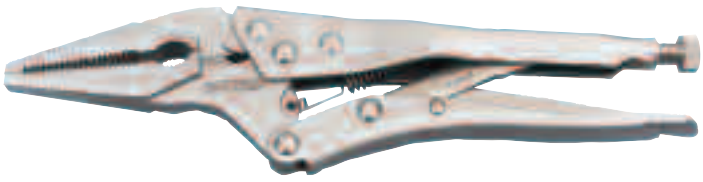


Type/ Duty	Overall Length	Max Clamp Pressure	Weight Per 10	Order Code KEN-558
Standard	125mm (5”)	660lb²in	1.90kg	-7050K
	180mm (7”)	880lb²in	2.10kg	-7070K
	255mm (10”)	1320lb²in	5.50kg	-7100K
Heavy	255mm (10”)	2500lb²in	6.00kg	-7130K

Set: Details as above.

Number of Pieces	Contents	Order Code KEN-558
2	1 each, 125 & 255mm	-7280K

Long Nose
Specially designed with long slim jaws to enable access to restricted areas. With quick release.

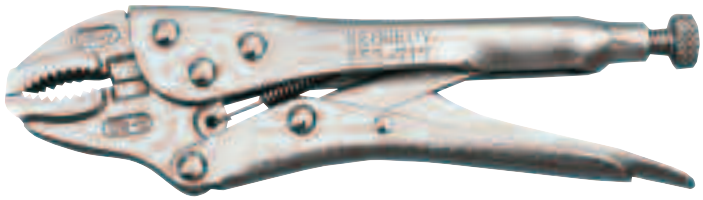


Overall Length	Weight Per 6	Order Code KEN-558
150mm (6”)	2.00kg	-8060K
230mm (9”)	3.60kg	-8070K

KENNEDY QUALITY INDUSTRIAL TOOLING Grip Wrenches

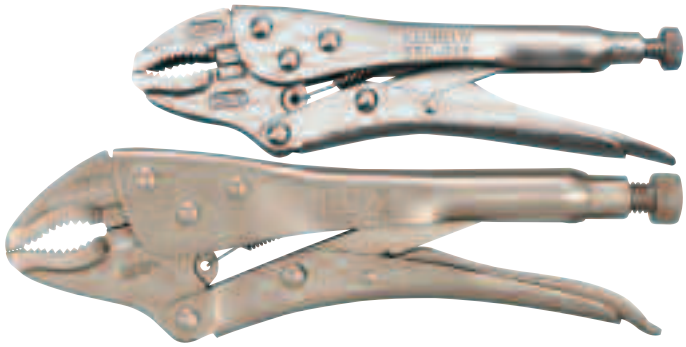
Rolled chrome vanadium steel bodies, drop forged hardened steel jaws with corrosion-resistant bright nickel coating.
The jaw opening and clamping pressure can be adjusted with the knurled head screw, fitted with wire spring to ensure efficient opening of the jaws. The locking mechanism holds the wrench in place once adjusted, leaving both hands free.

Curved Jaw
Specially designed to grip circular objects.
Ideal for plumbing and general pipe work.



Type/ Duty	Overall Length	Max Clamp Pressure	Weight Per 10	Order Code KEN-558
Standard	125mm (5”)	660lb²in	1.90kg	-7150K
	180mm (7”)	880lb²in	2.10kg	-7170K
	255mm (10”)	1320lb²in	5.50kg	-7200K
Heavy	255mm (10”)	2500lb²in	6.00kg	-7230K

Set: Details as above.



Number of Pieces	Contents	Order Code KEN-558
2	1 each, 125 & 255mm	-7290K

SENATOR QUALITY TOOLING Curved Jaw Grip Wrenches

High strength grip wrench bodies are manufactured from rolled chrome vanadium steel with serrated drop forged hardened steel jaws for a positive high strength grip every time. Each wrench is fitted with a wire spring to ensure efficient jaw opening.



Overall Length	Weight each	Order Code SEN-558
180mm (7”)	310g	-7170K
255mm (10”)	550g	-7200K

Straight Jaw Grip Wrenches

High strength.



Overall Length	Weight each	Order Code SEN-558
180mm (7”)	350g	-7070K
255mm (10”)	550g	-7100K

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KENNEDY Hose Clamp

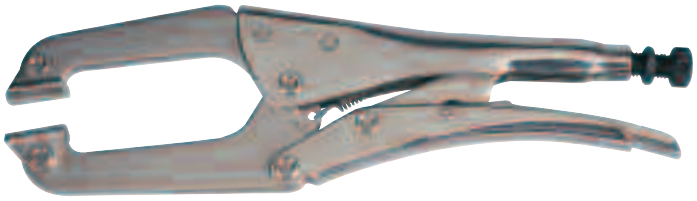
Long rounded jaws with smooth section. For pinching off hoses without serration and gripping small sections of pipes. Invaluable aid for brake repairs on cars.



Diameter Capacity	Overall Length	Weight each	Order Code KEN-558
30mm	235mm	380g	**-8180K**

Self-Levelling Grip Wrenches

The two knurled swivel pads ensure fully flat contact with the workpiece at the clamping point. Suitable for clamping tapered surfaces without slippage. Narrow jaw profile allows use in areas of confined access and where C-clamps cannot reach.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 45	235mm	640g	**-8460K**
0 - 100	300mm	790g	**-8480K**

Grip Holder

Can be used as a normal C-type clamp or converts most 10”/12” grip wrenches into a versatile portable vice. Steel frame with butterfly adjustment screw and swivel clamping pad.

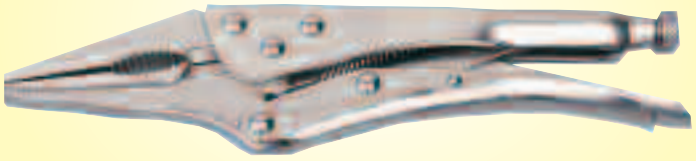
Capacity: 0 - 63mm.
Overall length: 110mm.
Grip wrench not included.



Capacity (mm)	Weight each	Order Code KEN-558
0 - 63	200g	**-8020K**

SENATOR QUALITY TOOLING Long Jaw Grip Wrenches

High strength grip wrench bodies are manufactured from rolled chrome vanadium steel with serrated drop forged hardened steel jaws for a positive high strength grip every time. Each wrench is fitted with a wire spring to ensure efficient jaw opening.



Overall Length	Weight each	Order Code SEN-558
165mm (6½”)	433g	**-7260K**
230mm (9”)	600g	**-7290K**

Ideal Grip Wrench

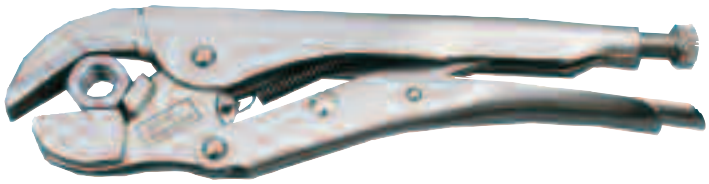
Heavy duty chrome vanadium. With quick release.
Two staged curved jaw design ideal for gripping small and large diameters. Particularly suited to gripping rounded off nuts and circular shaped objects.



Overall Length	Weight each	Order Code KEN-558
255mm (10”)	600g	**-7270K**

Parallel Plus Grip Wrench

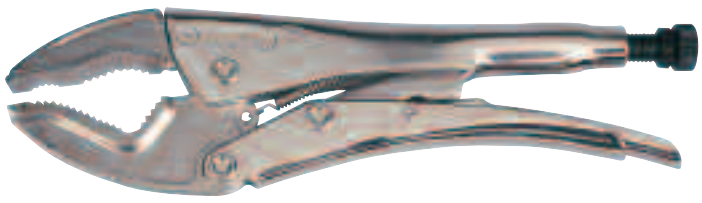
Heavy duty chrome vanadium. With quick release. Self-adjusting lower jaw swivels into place. Grips squares, hexagons.



Overall Length	Weight each	Order Code KEN-558
255mm (10”)	340g	**-7250K**

Multi-Purpose Grip Wrench

The jaw configuration allows straight, curved and convex shapes to be gripped.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 63	235mm	630g	**-8040K**

Flat & Convex Grip Wrench

The convex jaw shape allows clearance around small obstacles and the broad jaw profile ensures that flat workpieces are clamped securely.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 100	300mm	810g	**-8420K**

HAND TOOLS

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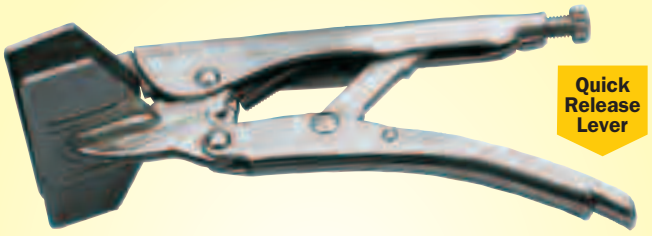
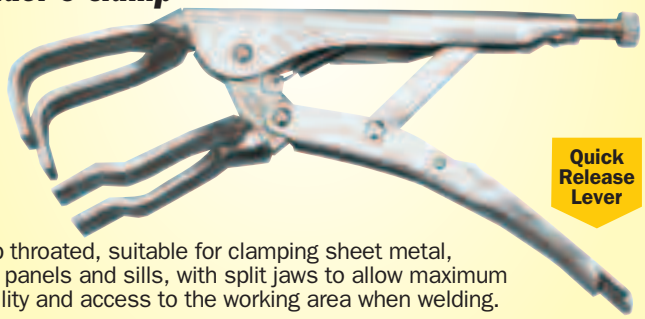
KENNEDY Sheet Metal Clamp

The wide jaws distribute the clamping force evenly to prevent damaging the workpiece being handled.



Overall Length	Weight each	Order Code KEN-558
180mm (7")	470g	-8080K

Welder's Clamp

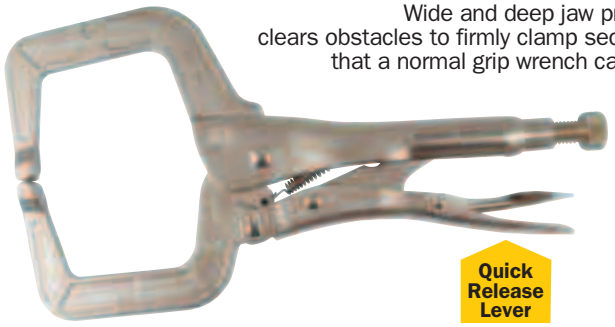


Deep throated, suitable for clamping sheet metal, body panels and sills, with split jaws to allow maximum visibility and access to the working area when welding.

Overall Length	Weight each	Order Code KEN-558
280mm (11")	790g	-8000K

Locking C-Clamps

Wide and deep jaw profile, clears obstacles to firmly clamp sections that a normal grip wrench cannot.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 60	165mm (6½")	240g	-9270K
0 - 100	300mm (12")	890g	-9280K
0 - 260	460mm (18")	1300g	-9290K
0 - 400	600mm (24")	145Kg	-9300K

Locking C-Clamps - Swivel Pads

Wide and deep jaw profile, clears obstacles to firmly clamp sections that a normal grip wrench cannot. With swivel contact pads to allow tapered surfaces to be clamped.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 50	165mm (6½")	0.30kg	-9330K
0 - 80	320mm (13")	1.00kg	-9340K
0 - 125	360mm (14½")	1.20kg	-8670K
0 - 240	470mm (19")	1.45kg	-9350K
0 - 400	630mm (25")	1.75kg	-9360K

Axial Grip Wrenches

For auto body repair and steel fabrication. Chrome steel body with narrow profile jaws for confined areas. Straight line jaw motion allows clamping through holes. Push button release for one-handed clamp releasing. No provisional (or track) welding required to hold auto body parts for assembly.

Flanged Lap Joint Clamp
Clamps two flanged adjacent joints.

Jaw width: 18mm.
Throat depth: 7mm.



Capacity (mm)	Length (mm)	Weight each	Order Code KEN-558
0 - 15	210mm (8½")	470g	-9240K

Flanged, Lap & Adjacent Joint Clamp
Clamps two flanged and adjacent joints.

Jaw width: 45mm.
Throat depth: 25mm.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 10	210mm (8½")	550g	-9210K

Lap & Spot Weld Joint Clamp
The 'W' shaped jaw allows four consecutive spot welds without moving the tool.

Jaw width: 57mm.
Throat depth: 36mm.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 12	195mm (7¾")	542g	-9220K

Lap Joint Clamp
Clamps two lap joints.

Jaw width: 18mm.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 18	195mm (7¾")	410g	-9200K

Angle Clamp
Clamps two sheet metal pieces of the same thickness at 90° to one another.

Jaw width: 50mm.
Throat depth: 15mm.



Capacity (mm)	Overall Length	Weight each	Order Code KEN-558
0 - 12	200mm (8")	495g	-9230K

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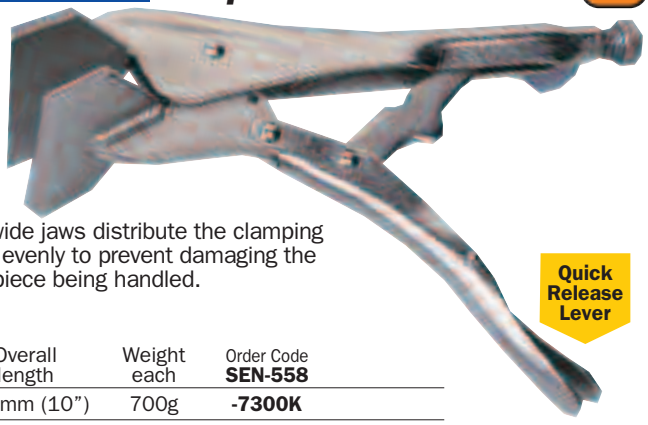
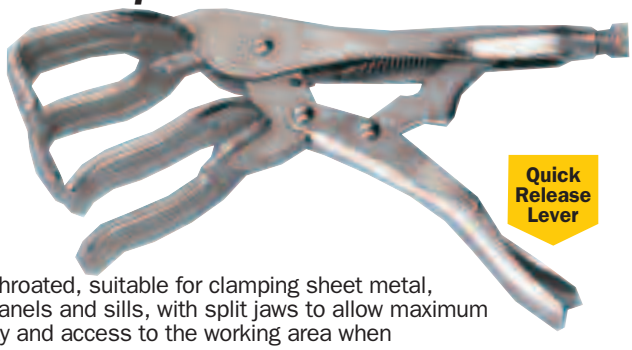
SENATOR QUALITY TOOLING Sheet Metal Clamp



The wide jaws distribute the clamping force evenly to prevent damaging the workpiece being handled.

Overall length	Weight each	Order Code SEN-558
255mm (10”)	700g	-7300K

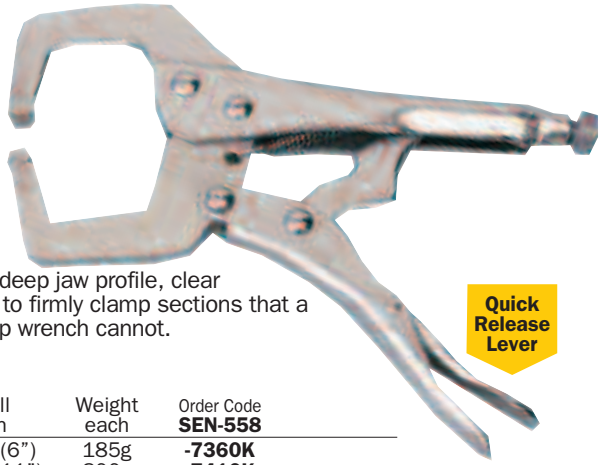
Welder’s Clamp



Deep throated, suitable for clamping sheet metal, body panels and sills, with split jaws to allow maximum visibility and access to the working area when welding.

Overall Length	Weight each	Order Code SEN-558
205mm (8”)	680g	-7500K

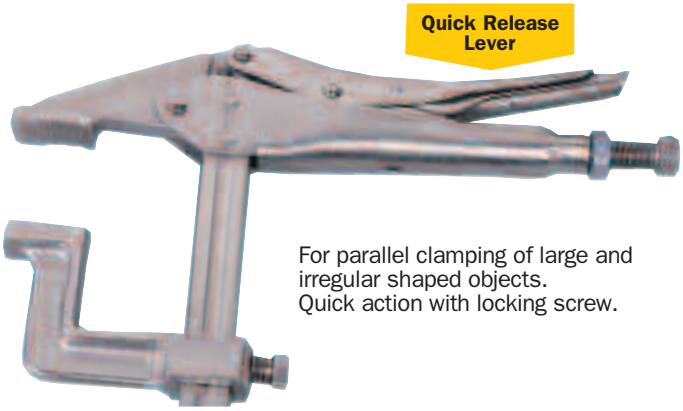
Locking C-Clamps



Wide and deep jaw profile, clear obstacles to firmly clamp sections that a normal grip wrench cannot.

Overall length	Weight each	Order Code SEN-558
150mm (6”)	185g	-7360K
280mm (11”)	800g	-7410K

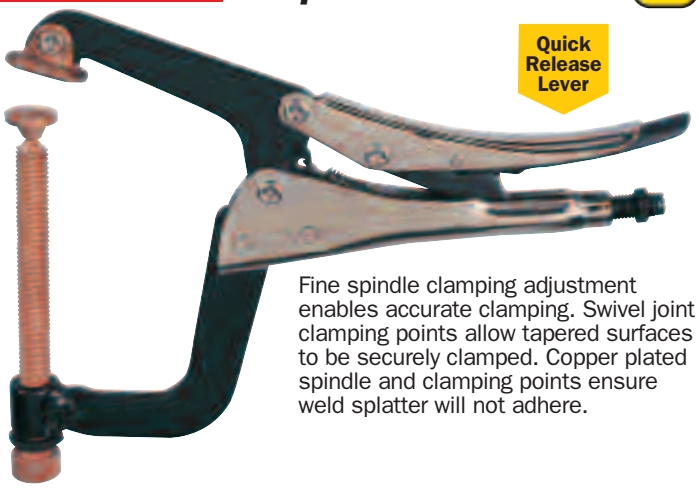
Adjustable Bar Clamp



For parallel clamping of large and irregular shaped objects. Quick action with locking screw.

Size	Weight each	Order Code SEN-558
250 x 73 x 165mm	1.20kg	-7700K

KENNEDY QUALITY INDUSTRIAL TOOLING Spindle Clamps



Fine spindle clamping adjustment enables accurate clamping. Swivel joint clamping points allow tapered surfaces to be securely clamped. Copper plated spindle and clamping points ensure weld splatter will not adhere.

Capacity (mm)	Overall length	Weight each	Order Code KEN-558
0 - 25	300mm	300g	-8720K
0 - 100	330mm	800g	-8740K

Table C-Clamp

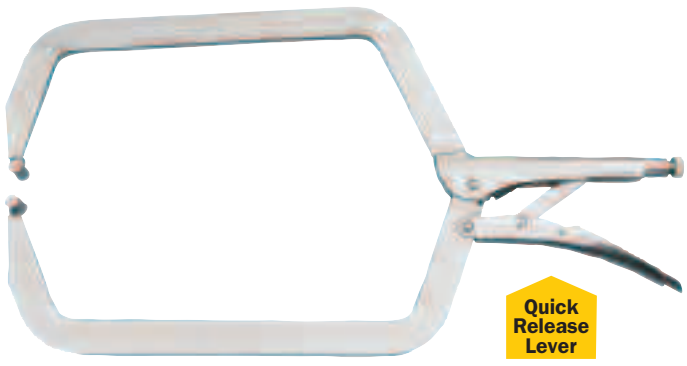
Five holes in base to allow fixture to work surface as a permanent clamp. Swivel foot to clamp tapered workpieces.



Capacity (mm)	Overall length	Weight each	Order Code KEN-558
0 - 100	300mm	880g	-8160K

Sill Clamps

The small gripping jaws allow close-up working. Deep throat enables access around bulky and awkward shapes such as door sills or holding together sheet metal, body panels when welding, gluing or marking off.



Overall Length	Weight each	Order Code KEN-558
305mm (12”)	1.20kg	-8120K

HAND TOOLS

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KENNEDY Hand Stamps

Drawn carbon steel nickel-plated hand stamps with chamfered edges to prevent accidental damage to workpiece.

Positive Indent (Standard)



Hand Stamp Sets

Set Description	Number of Pieces	Font Size (mm)	Overall Length	Weight each	Order Code KEN-560
Letter A - Z Plus &	27	1.5	73	1000g	**-6400K**
		2.5	73	1000g	**-6410K**
		3.0	73	1000g	**-6420K**
		4.0	73	1000g	**-6430K**
		5.0	78	1600g	**-6440K**
		6.0	78	1600g	**-6450K**
		8.0	80	3800g	**-6460K**
		10.0	92	4000g	**-6470K**
		12.0	92	4000g	**-6480K**
Figure 0 - 9	9	1.5	71	330g	**-6000K**
		2.5	71	330g	**-6010K**
		3.0	71	340g	**-6020K**
		4.0	71	340g	**-6030K**
		5.0	75	540g	**-6040K**
		6.0	75	530g	**-6050K**
		8.0	83	1000g	**-6060K**
		10.0	90	1400g	**-6070K**
		12.0	90	1400g	**-6080K**

Positive Indent Low Stress Punches

For use on brittle material to avoid damage.





Set Description	Number of Pieces	Font Size (mm)	Overall Length	Weight each	Order Code KEN-560
Letter A - Z Plus &	27	3.0	73	1000g	**-7300K**
		6.0	78	1600g	**-7600K**
Figure 0 - 9	9	3.0	71	330g	**-5300K**
		6.0	75	550g	**-5600K**

6 Wheel Number Punch

Ideal for rapid precise marking of six figure numbers in one impact. Manufactured from nickel- plated carbon steel, knurled handle for extra grip.



Font Size (mm)	Overall Length	Weight each	Order Code KEN-560
3.0	130	640g	**-9000K**

SENATOR QUALITY TOOLING Letter & Number Stamps

Standard quality, with strength up to 800N/mm^2.
Hardness at the engraving: 58 - 60HRC.
Type of characters according to **DIN 1451**.



Set Description	Number of Pieces	Font Size	Weight each	Order Code SEN-560
Numbers 0 - 9	9	3.0	550g	**-1300K**
		4.0	950g	**-1400K**
		5.0	1350g	**-1500K**
		6.0	1350g	**-1600K**
		8.0	200g	**-1800K**
		10.0	200g	**-2100K**
Letters A - Z	27	3.0	550g	**-3300K**
		4.0	950g	**-3400K**
		5.0	1350g	**-3500K**
		6.0	1350g	**-3600K**
		8.0	200g	**-3800K**
		10.0	200g	**-4100K**

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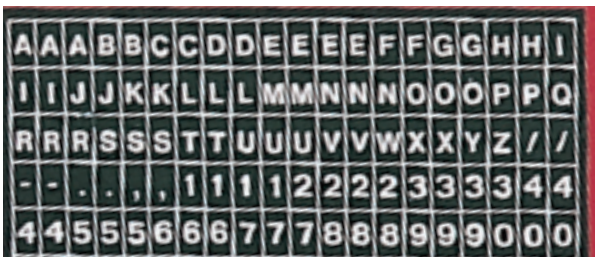
KENNEDY Font Set

Precision manufactured carbon steel alphabetical and numeric-marking stamps with nickel-plated finish. For producing between eight and ten clean uniform impressions in one impact, suitable for all batch and general-purpose marking. Each set contains tweezers to allow easy handling of the individual font blocks. The knurled grip font holder has an impact resistant plastic hand shield to redirect the force of miss-hits safely away from your hand preventing injury. Hexagon wrench for operating the font retaining screw and 100 characters and spaces according to the most common use. See diagram for exact character content.
Supplied complete in a foam- lined plastic carry case.

Individual Nickel-Plated Carbon Steel Fonts
For use with holder shown below. 3mm character height.

Character	Order Code KEN-560
Alphabetical	
A	**-8200K**
B	**-8210K**
C	**-8220K**
D	**-8230K**
E	**-8240K**
F	**-8250K**
G	**-8260K**
H	**-8270K**
I	**-8280K**
J	**-8290K**
K	**-8300K**
L	**-8310K**
M	**-8320K**
N	**-8330K**
O	**-8340K**
P	**-8350K**
Q	**-8360K**
R	**-8370K**
S	**-8380K**
T	**-8390K**
U	**-8400K**
V	**-8410K**
W	**-8420K**
X	**-8430K**
Y	**-8440K**
Z	**-8450K**
Space	**-8500K**
Numeric	
0	**-8100K**
1	**-8110K**
2	**-8120K**
3	**-8130K**
4	**-8140K**
5	**-8150K**
6	**-8160K**
7	**-8170K**
8	**-8180K**
9	**-8190K**

Character set includes:



Plus 20 spaces

100 PIECES



Set

Number of Pieces	Font Size	Weight each	Order Code KEN-560
100	3.0mm	1.50kg	**-9300K**

Individual Holder

Overall Length	Weight each	Order Code KEN-560
125mm	600g	**-9500K**

Power Punch Kit

Provides smooth piercing with minimum effort. For use on steel, aluminium, plastic and leather. Adjustable depth gauge. Suitable for materials up to 14 gauge.

Die and punch sizes:
2.38, 3.18, 3.97, 4.76, 5.56, 6.35, and 7.14mm.



Model Number	Throat Capacity	Weight each	Order Code KEN-560
PPK2812	45mm (1¾")	1.60kg	**-7800K**

Spares

Size (mm)	Order Code KEN-560 Dies	Order Code KEN-560 Punches
2.38 (3/32")	**-7910K**	**-7980K**
3.18 (1/8")	**-7920K**	**-7990K**
3.97 (5/32")	**-7930K**	**-8000K**
4.76 (3/16")	**-7940K**	**-8010K**
5.56 (7/32")	**-7950K**	**-8020K**
6.35 (1/4")	**-7960K**	**-8030K**
7.14 (9/32")	**-7970K**	**-8040K**

Stencil Sets

Stencils manufactured from hard-wearing quality steel with precision cut letters for a clean sharp image. Suitable for use with all paints and marking compounds for marking packing cases with shipping details, loading/work bay walls for identification, car park spaces and countless other applications.

10-Piece Numbered Sets 0 - 9



Character Height	Weight each	Order Code KEN-561
40mm	80g	**-0400K**
50mm	110g	**-0500K**
60mm	130g	**-0600K**
70mm	170g	**-0700K**
80mm	200g	**-0800K**
100mm	260g	**-1000K**
150mm	1000g	**-1500K**
200mm	1400g	**-2000K**

26-Piece Letter Sets A - Z



Character Height	Weight each	Order Code KEN-561
40mm	170g	**-2400K**
50mm	250g	**-2500K**
60mm	300g	**-2600K**
70mm	350g	**-2700K**
80mm	440g	**-2800K**
100mm	600g	**-3100K**
150mm	2400g	**-3150K**
200mm	4500g	**-3200K**

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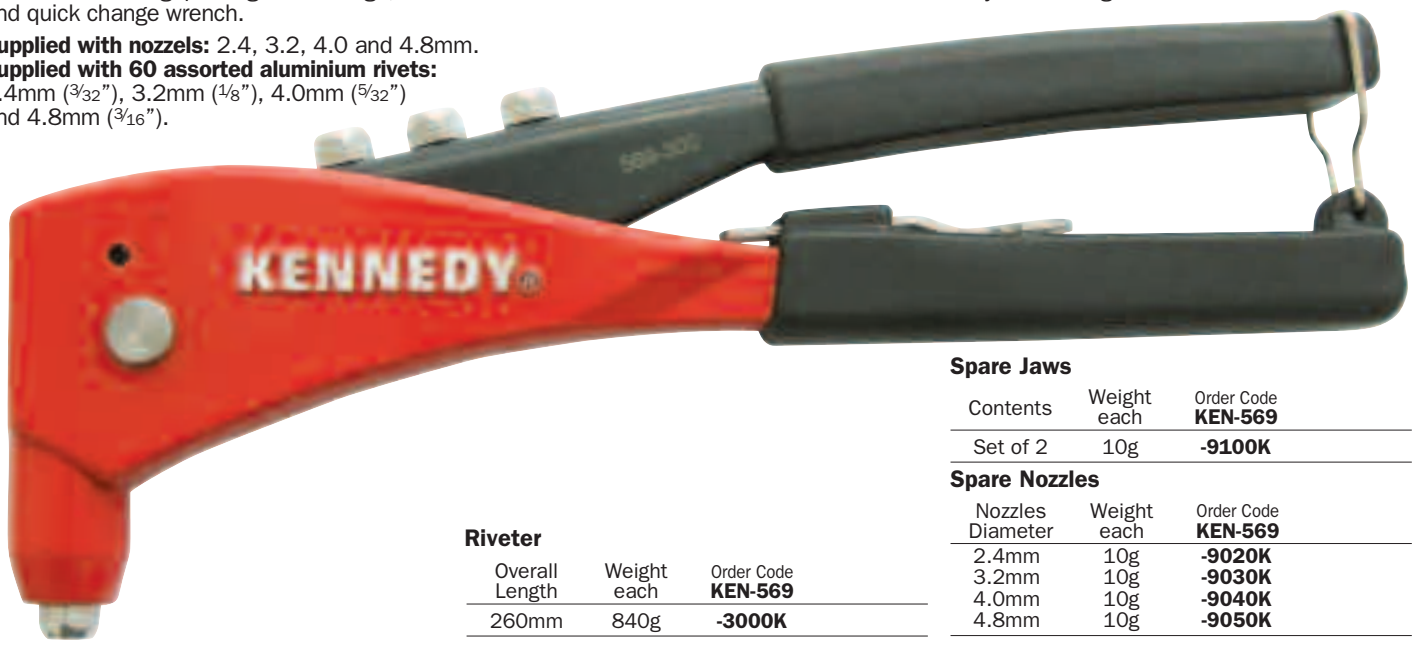
KENNEDY Heavy Duty Lever Action Riveter

Produces strong, vibration proof joints effortlessly. Replaces screws, bolts, ordinary rivets, brazing, soldering and welding. Moulded comfort grip. Long nose design, ideal for use in recessed areas. With enamelled steel body with storage for four nozzles and quick change wrench.

Supplied with nozzels: 2.4, 3.2, 4.0 and 4.8mm.
Supplied with 60 assorted aluminium rivets:
2.4mm (3/32"), 3.2mm (1/8"), 4.0mm (5/32") and 4.8mm (3/16").



Riveter

Overall Length	Weight each	Order Code KEN-569
260mm	840g	-3000K

Spare Jaws

Contents	Weight each	Order Code KEN-569
Set of 2	10g	-9100K

Spare Nozzles

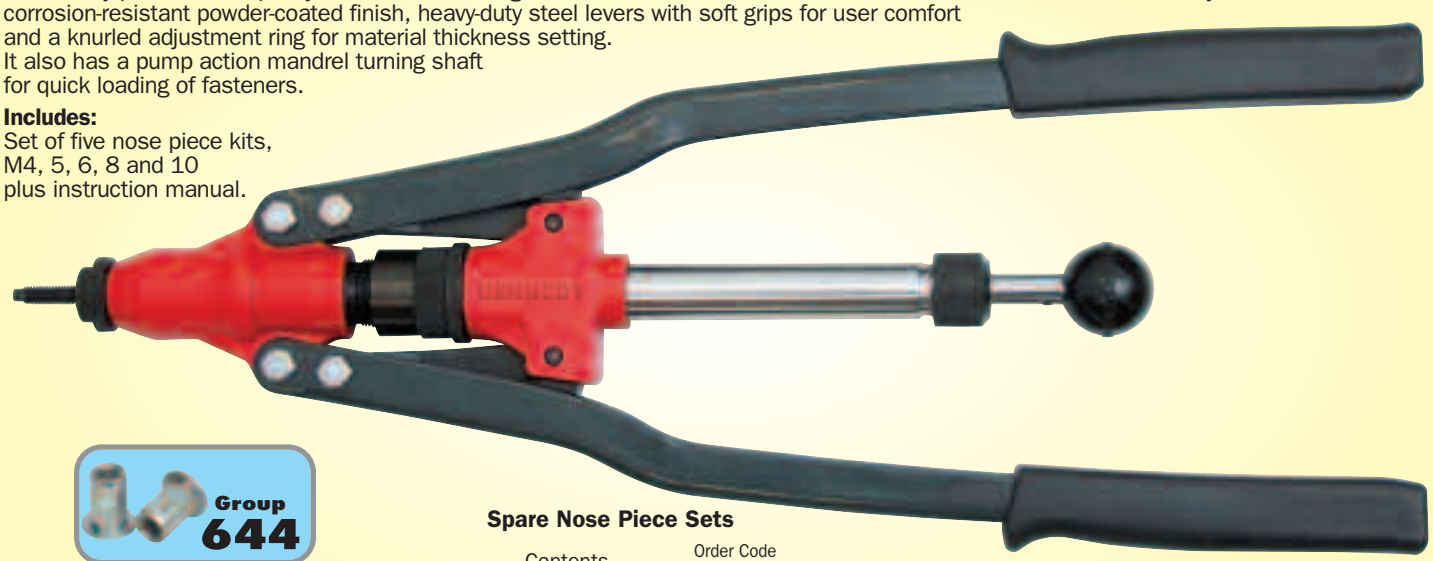
Nozzles Diameter	Weight each	Order Code KEN-569
2.4mm	10g	-9020K
3.2mm	10g	-9030K
4.0mm	10g	-9040K
4.8mm	10g	-9050K

Rivet Nut Inserter

Model RNI410

This sturdy professional quality tool has been designed for the insertion of rivet nuts into sheet metal. It has a cast body with a corrosion-resistant powder-coated finish, heavy-duty steel levers with soft grips for user comfort and a knurled adjustment ring for material thickness setting. It also has a pump action mandrel turning shaft for quick loading of fasteners.

Includes:
Set of five nose piece kits, M4, 5, 6, 8 and 10 plus instruction manual.



Group 644

Nozzles Supplied	Order Code KEN-569
M4, 5, 6, 8 & 10	-3080K

Spare Nose Piece Sets

Contents	Order Code KEN-569
M4	-9300K
M5	-9310K
M6	-9320K
M8	-9330K
M10	-9340K

KOBE Rivet Nut Attachment

This attachment has been specifically designed to insert rivet nuts into sheet metal. Rapid loading of inserts improves productivity. 1/4" hex drive makes it suitable for use with cordless, electric or air screwdrivers. Robust moulded polycarbonate body with fluted sides for extra grip. 26mm hexagonal moulding for gripping with a suitable wrench. Complete with a set of three threaded mandels, M4, M5 and M6.



Group 644

Body Length	Weight each	Order Code KBE-280
125mm	245g	-0100A

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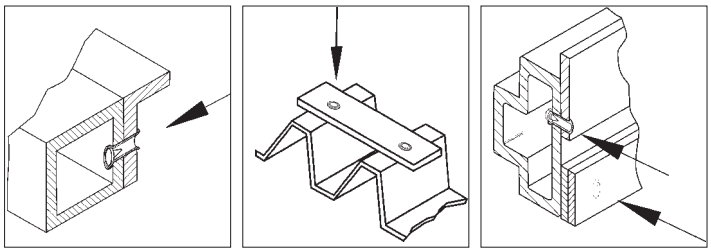
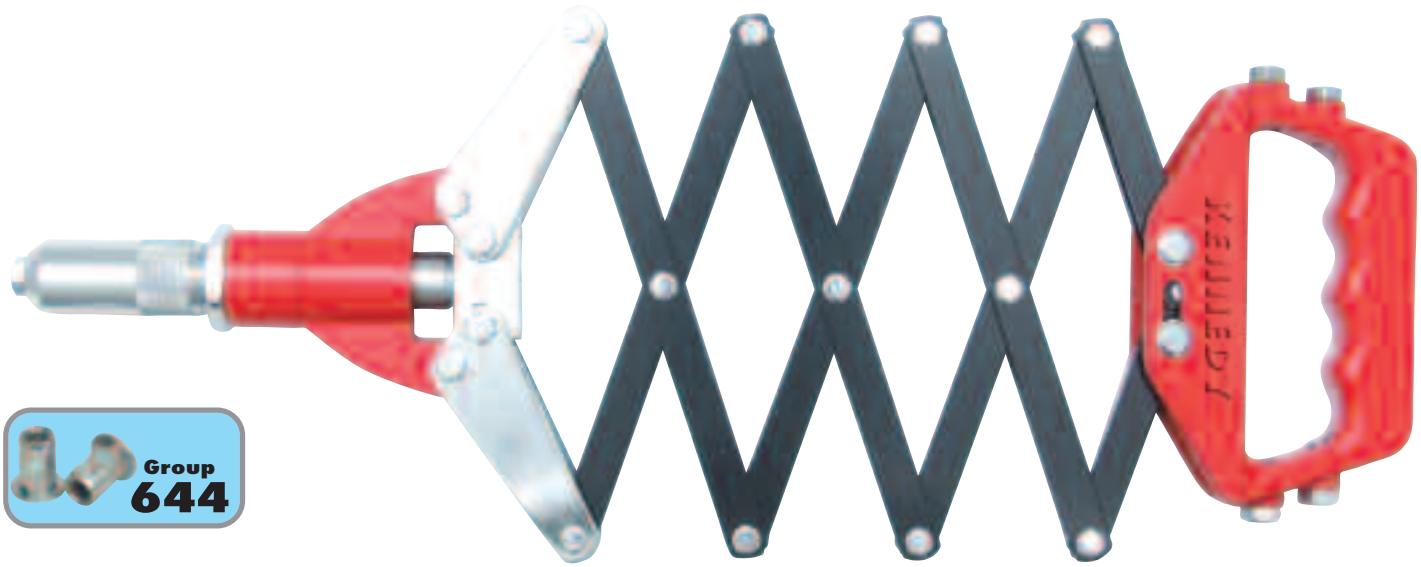
KENNEDY Industrial Lazy Tong Riveter

The powerful one-handed compression action and all steel construction make this ideal for rapid, repetitive rivetting applications. The contoured handle provides a comfortable grip for the user and reduces fatigue. In-handle storage of different nozzle sizes ensures rapid nozzle changing when required.

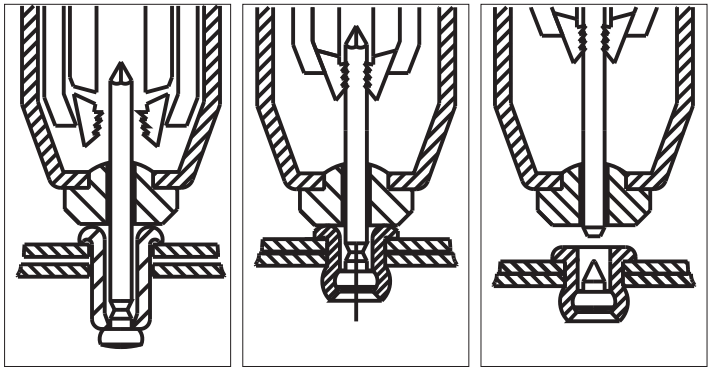
Length closed: 300mm. **Extended:** 825mm.





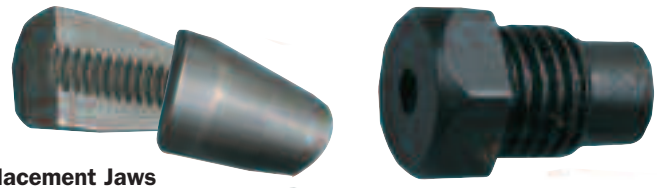


Group 644



Lazy Tong Riveter

Nozzles Supplied	Weight each	Order Code KEN-569
3.2, 4, 4.8. 6.0 & 6.4mm	2.30kg	**-3020K**



Replacement Jaws

Contents	Weight each	Order Code KEN-569
Set of 3	10g	**-9120K**

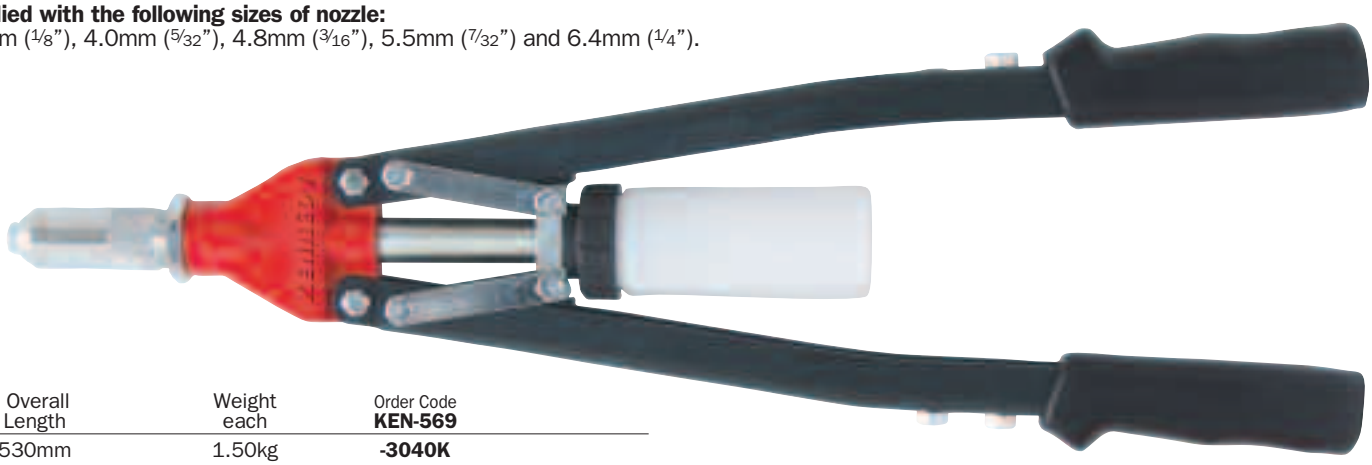
Replacement Nozzles

Contents	Weight each	Order Code KEN-569
3.2mm	10g	**-9070K**
4.0mm	10g	**-9080K**
4.8mm	10g	**-9090K**
6.0mm	10g	**-9092K**
6.4mm	10g	**-9094K**

Long Arm Riveter

High leverage for effortless setting of rivets. Comfortable rubber hand grips. effortless setting of rivets. Complete with 'catcher'.

Supplied with the following sizes of nozzle:
3.2mm (1/8"), 4.0mm (5/32"), 4.8mm (3/16"), 5.5mm (7/32") and 6.4mm (1/4").



Overall Length	Weight each	Order Code KEN-569
530mm	1.50kg	**-3040K**

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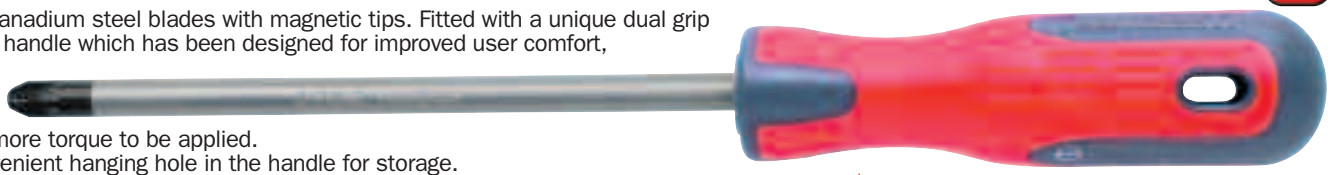
KENNEDY PROFESSIONAL Pro-Torq Screwdrivers

Chrome vanadium steel blades with magnetic tips. Fitted with a unique dual grip triangular handle which has been designed for improved user comfort,



allowing more torque to be applied.
With convenient hanging hole in the handle for storage.

Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 screwdriver would be suitable for most applications. **DIN ISO 8764.**



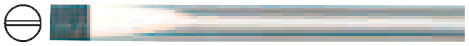
Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75mm	25g	**-5110K**
No.1	75mm	55g	**-5120K**
No.1	250mm	80g	**-4490K**
No.2	Stubby	40g	**-5180K**
No.2	100mm	85g	**-5140K**
No.2	250mm	120g	**-4500K**
No.3	150mm	145g	**-5150K**
No.4	200mm	210g	**-5160K**

PZ/Supadriv
PZ/Supadriv has extra 'cutaways' to help drive the screw. Favoured by the construction and joinery trade. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.2	Stubby	45g	**-5280K**
No.0	75mm	25g	**-5290K**
No.1	75mm	55g	**-5300K**
No.1	250mm	80g	**-5360K**
No.2	100mm	85g	**-5310K**
No.2	250mm	120g	**-5370K**
No.3	150mm	145g	**-5320K**
No.4	200mm	210g	**-5340K**

Parallel Tip
To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
3.2mm	100mm	25g	**-5650K**
3.2mm	150mm	30g	**-5660K**
4.0mm	300mm	50g	**-5400K**
5.5mm	75mm	55g	**-5710K**
5.5mm	100mm	60g	**-5720K**
5.5mm	150mm	65g	**-5730K**
5.5mm	200mm	75g	**-5740K**
5.5mm	250mm	80g	**-5750K**
5.5mm	260mm	81g	**-5404K**

Flared Tip, Round Blade
To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
3.2mm	75mm	25g	**-5425K**
6.5mm	Stubby	40g	**-5420K**
6.5mm	100mm	85g	**-5430K**
6.5mm	150mm	100g	**-5440K**
8.0mm	200mm	170g	**-5450K**
10.0mm	250mm	240g	**-5460K**

Flared Tip, Square Blade
Square bladed screwdrivers can be gripped in a spanner or locking wrench to allow greater torque to be applied from the side rather than from directly above the screwdriver. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
6.5mm	100mm	90g	**-5500K**
6.5mm	150mm	105g	**-5510K**
8.0mm	200mm	185g	**-5520K**
10.0mm	250mm	275g	**-5530K**
10.0mm	300mm	305g	**-5550K**

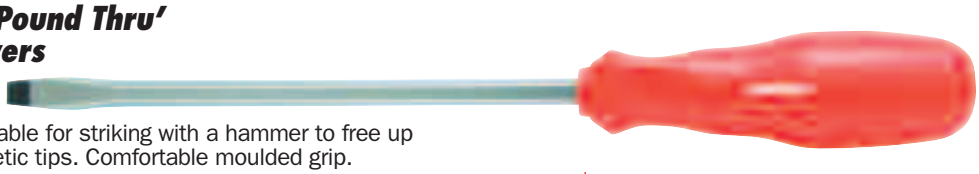
TX
TX head screws are used predominantly for engineering and automotive applications. The design of the screw allows high torque levels to be applied without the driver slipping potentially damaging the components.



Tip Size	Blade Length	Weight each	Order Code KEN-572
T6	75mm	30g	**-5260K**
T7	75mm	30g	**-5262K**
T8	75mm	30g	**-5264K**
T9	75mm	30g	**-5266K**
T10	100mm	60g	**-5268K**
T15	100mm	60g	**-5270K**
T20	100mm	25g	**-5272K**
T25	100mm	85g	**-5274K**
T30	100mm	85g	**-5276K**

KENNEDY 'Hi-Grip' Pound Thru' Screwdrivers

Through blade screwdriver with chrome vanadium steel blades and striking heads, suitable for striking with a hammer to free up seized screws. Fully hardened magnetic tips. Comfortable moulded grip. Hexagon blades.
DIN ISO 2380/8764.







Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 screwdriver would be suitable for most applications. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.1	75mm	100g	**-3610K**
No.2	100mm	150g	**-3620K**
No.3	150mm	220g	**-3630K**

Flared Tip
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head. Hexagon blades. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
6mm	100mm	150g	**-3510K**
6mm	150mm	160g	**-3520K**
8mm	200mm	240g	**-3540K**
9.5mm	250mm	315g	**-3560K**

Pound Thru' Set
Supplied in display box.

CROSS POINT: No.1 x 75, No.2 x 100, No.3 x 150.

FLARED: 6 x 100, 6 x 150, 8 x 200, 9.5 x 250mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-572
7	1.54kg	**-3700K**

HAND TOOLS

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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KENNEDY PROFESSIONAL Pro-Torq Screwdrivers

Chrome vanadium steel blades with magnetic tips. Fitted with a unique dual grip triangular handle designed for improved user comfort, allowing more torque to be applied. Manufactured with hanging hole in the handle for storage. **DIN ISO 2380/8764.**

6-Piece Set Contents (mm):
Crosspoint: No.1 x 75, No.2 x 100.
Flared: 6.3 x 100, 8.0 x 200.
Parallel: 5.0 x 75, 5.0 x 150.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-572
6	810g	-5970K

6-Piece Set Contents (mm):
PZ: No.1 x 75, No.2 x 100.
Flared: 6.5 x 150, 10.0 x 250.
Parallel: 5.5 x 100, 5.5 x 200.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-572
6	925g	-5975K

8-Piece Set Contents (mm):
Crosspoint: No.1 x 75, No.2 x 100, No.3 x 150.
PZ: No.2 x 100.
Flared: 6.3 x 150, 9.5 x 250.
Parallel: 5.0 x 100, 5.0 x 200.

8 PIECES



Number of Pieces	Weight each	Order Code KEN-572
8	1280g	-5990K

8-Piece Set Contents (mm):
Crosspoint: No.1 x 75, No.2 x 100.
PZ: No.2 x 100.
Flared: 6.3 stubby, 6.3 x 100, 8.0 x 200.
Parallel: 5.0 x 75, 5.0 x 150.

8 PIECES



Number of Pieces	Weight each	Order Code KEN-572
8	1010g	-6000K

8-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.2 x 100.
PZ: No.1 x 75, No.2 x 100, No.3 x 150,
Flared: 6.3 x 150, 8.0 x 200.
Parallel: 5.0 x 150.

8 PIECES



Number of Pieces	Weight each	Order Code KEN-572
8	1105g	-6010K

12-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.2 x 100, No.3 x 150.
PZ: No.1 x 75 No.2 x 100 No.3 x 150.
Flared: 6.3 x stubby, 6.3 x 150, 9.5 x 250.
Parallel: 5.0 x 100, 5.0 x 200, 5.0 x 250.

12 PIECES



Number of Pieces	Weight each	Order Code KEN-572
12	1660g	-6020K

12-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.1 x 75, No.2 x 100, No.3 x 150.
PZ: No.2 x 100, No.3 x 150.
Flared: 6.3 x stubby, 6.3 x 150, 8.0 x 200.
Parallel: 5.0 x 75, 5.0 x 150, 5.0 x 250.

Auto Express Product Awards Commended 2009

12 PIECES



Number of Pieces	Weight each	Order Code KEN-572
12	1467g	-6030K

12-Piece Set Contents (mm):
Crosspoint: No.1 x 75, No.2 x stubby, No.2 x 100.
Flared: 6.3 x stubby, 6.3 x 100, 6.3 x 150, 8.0 x 200, 9.5 x 250.
Parallel: 5.0 x 75, 5.0 x 100, 5.0 x 200, 5.0 x 250.

12 PIECES



Number of Pieces	Weight each	Order Code KEN-572
12	1581g	-6040K

9-Piece TX Set Contents (mm):
TX: T6 x 75, T7 x 75, T8 x 75, T9 x 75, T10 x 100, T15 x 100, T20 x 100, T25 x 100, T30 x 100.

9 PIECES

TX



Number of Pieces	Weight each	Order Code KEN-572
9	790g	-6050K

HAND TOOLS

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KENNEDY Engineer's & Electrician's Screwdrivers

With a traditional 'fluted' design handle. High quality steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life. This range offers the widest choice of blade selection and blade length. The high impact plastic handles are acid and oil resistant. A comprehensive selection to meet the demands of modern industry.
DIN ISO 2380/8764.



Crosspoint

Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75	25g	**-1000K**
No.1	75	55g	**-1010K**
No.2	100	80g	**-1020K**
No.3	150	135g	**-1030K**
No.4	200	225g	**-1040K**
No.1	Stubby	60g	**-1210K**
No.2	Stubby	60g	**-1220K**

PZ/Supadriv

PZ/Supadriv has extra 'cutaways' to help drive the screw. Favoured by the construction and joinery trade. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75	25g	**-2000K**
No.1	75	55g	**-2010K**
No.1	250	80g	**-2510K**
No.2	100	80g	**-2020K**
No.2	250	110g	**-2520K**
No.3	150	135g	**-2030K**
No.3	250	175g	**-2530K**
No.4	200	225g	**-2040K**
No.1	Stubby	60g	**-2210K**
No.2	Stubby	55g	**-2220K**

Flared Tip, Round Blade

Same as the parallel tip.
DIN ISO 2380.



Tip Size	Blade Length	Weight each	Order Code KEN-572
6.5mm	Stubby	60g	**-3020K**
6.5mm	100	80g	**-3040K**
6.5mm	150	90g	**-3060K**
8.0mm	200	155g	**-3080K**
10.0mm	250	250g	**-3100K**
10.0mm	300	280g	**-3120K**

Parallel Tip

Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
3.2mm	50	25g	**-4520K**
3.2mm	75	25g	**-4530K**
3.2mm	100	25g	**-4540K**
3.2mm	150	30g	**-4560K**
5.5mm	75	55g	**-5030K**

Tip Size	Blade Length	Weight each	Order Code KEN-572
5.5mm	100	55g	**-5040K**
5.5mm	150	65g	**-5060K**
5.5mm	200	70g	**-5080K**
5.5mm	250	80g	**-5100K**

Flared Tip, Square Blade

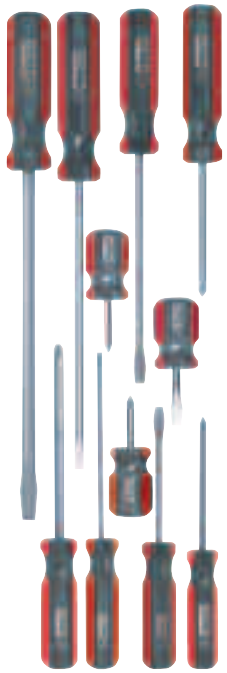
Square bladed screwdrivers can be gripped in a spanner or locking wrench to allow greater torque to be applied from the side rather than from directly above the screwdriver.
DIN ISO 2380.



Tip Size	Blade Length	Weight each	Order Code KEN-572
6.5mm	100	85g	**-4040K**
6.5mm	150	95g	**-4060K**
8.0mm	200	175g	**-4080K**
10.0mm	250	285g	**-4100K**

Set Contents (mm):

FLARED: 6.5 stubby, 6.5 x 100, 6.5 x 150, 10.0 x 250.
PARALLEL: 3.2 x 100, 5.5 x 150.
PZ: No.1 stubby, No.1 x 75, No.2 stubby, No.2 x 100, No.3 x 150.



11 PIECES

Number of Pieces	Weight each	Order Code KEN-572
11	1.0kg	**-9900K**

Set Contents (mm):

FLARED: 6.5 stubby, 6.5 x 100, 8.0 x 200, 10.0 x 250.
PARALLEL: 3.2 x 75, 3.2 x 150, 5.5 x 75, 5.5 x 150.
CROSS POINT: No.0 x 75, No.1 stubby, No.1 x 75, No.2 stubby, No.2 x 100, No.3 x 150, No.4 x 200.



15 PIECES

Number of Pieces	Weight each	Order Code KEN-572
15	1.39kg	**-9920K**

Set Contents (mm):

FLARED: 6.5 stubby, 6.5 x 100, 8.0 x 200.
PARALLEL: 3.2 x 75, 3.2 x 150.
CROSS POINT: No.0 x 75, No.1 stubby, No.1 x 75, No.2 stubby, No.2 x 100, No.3 x 150, No.4 x 200.



12 PIECES

Number of Pieces	Weight each	Order Code KEN-572
12	1.05kg	**-5940K**

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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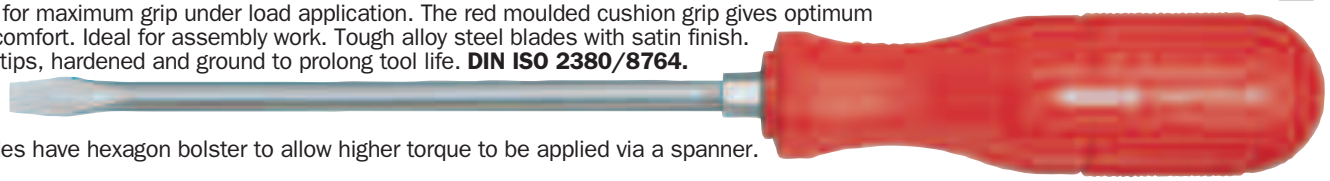
KENNEDY 'Hi-Grip' Screwdrivers

Designed for maximum grip under load application. The red moulded cushion grip gives optimum operator comfort. Ideal for assembly work. Tough alloy steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life. **DIN ISO 2380/8764.**



*Flat blades have hexagon bolster to allow higher torque to be applied via a spanner.

Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75mm	35g	-0000K
No.1	75mm	75g	-0010K
No.2	100mm	110g	-0020K
No.3	150mm	170g	-0030K
No.2	Stubby	65g	-0120K

TX
TX head screws are used predominantly for engineering and automotive applications. The design of the screw allows high torque levels to be applied without the driver slipping potentially damaging the components.



Tip Size	Blade Length	Weight each	Order Code KEN-572
T6	75mm	40g	-6060K
T7	75mm	40g	-6070K
T8	75mm	40g	-6080K
T9	75mm	40g	-6090K
T10	75mm	40g	-6100K
T15	100mm	80g	-6150K
T20	100mm	800g	-6200K
T25	100mm	110g	-6250K
T30	100mm	110g	-6300K

PZ/Supadriv
PZ/Supadriv has extra 'cutaways' to help drive the screw. Favoured by the construction and joinery trade. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.1	75mm	75g	-0210K
No.2	100mm	110g	-0220K
No.3	150mm	170g	-0230K

Set Contents (mm): 8 PIECES
Supplied in clear plastic wallet.
CROSS POINT No.1 x 75, No.2 stubby, No.2 x 100 No.3 x 150.
FLARED 6.5 stubby, 6.5x100, 6.5x150 10.0x250.

Set Contents (mm): 12 PIECES
Supplied in clear plastic wallet.
FLARED 6.5 stubby, 6.5x100, 6.5x150, 8.0x200 and 10.0x250.
CROSS POINT No.2 x 100 No.3 x 150.
PZ No.1 x 75, No.2 x 100 No.3 x 150. No.1 x 75, No.2 stubby,



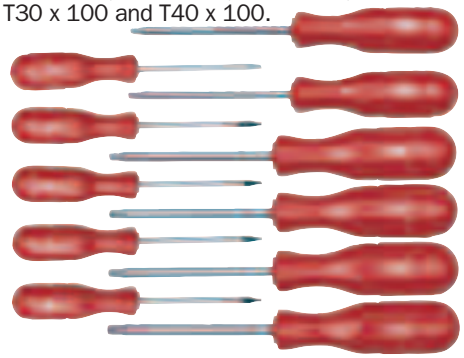
Number of Pieces	Weight each	Order Code KEN-572
8	1.05kg	-9870K
12	1.58kg	-0490K

Flared Tip, Round Blade
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head. **DIN ISO 2380.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
6.5mm	Stubby	65g	-0320K
6.5mm	100mm	115g	-0340K
6.5mm	150mm	125g	-0360K
8.0mm	200mm	195g	-0380K
10.0mm	250mm	265g	-0400K

Set Contents (mm): 11 PIECES
Supplied in clear plastic wallet.
TX T6 x 75, T7 x 75, T8 x 75, T9 x 75, T10 x 75, T15 x 100, T20 x 100, T25 x 100, T27 x 100, T30 x 100 and T40 x 100.

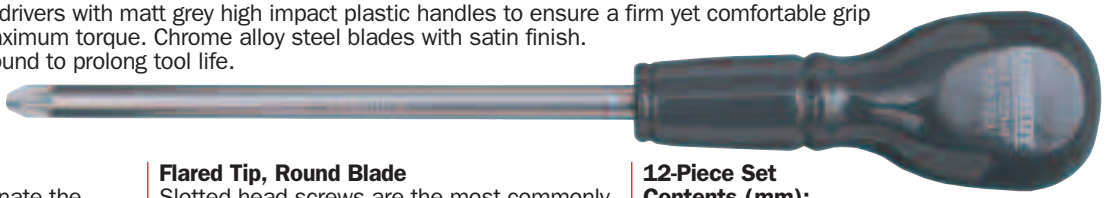


Number of Pieces	Weight each	Order Code KEN-572
11	830g	-6450K

HAND TOOLS

Cabinet Screwdrivers

Traditional design cabinet screwdrivers with matt grey high impact plastic handles to ensure a firm yet comfortable grip allowing constant use, giving maximum torque. Chrome alloy steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life.
DIN ISO 2380/8764.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 screwdriver would be suitable for most applications. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.1	75mm	65g	-7010K
No.2	100mm	90g	-7020K
No.3	150mm	165g	-7030K

PZ/Supadriv
PZ/Supadriv has extra 'cutaways' to help drive the screw. Favoured by the construction and joinery trade. **DIN ISO 8764.**



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.1	75mm	65g	-7210K
No.2	100mm	90g	-7220K
No.3	150mm	165g	-7230K

Flared Tip, Round Blade
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head.
DIN ISO 2380.

Group 573



Tip Size	Blade Length	Weight each	Order Code KEN-572
6.5mm	Stubby	55g	-7320K
5.5mm	75mm	65g	-7330K
6.5mm	100mm	90g	-7340K
6.5mm	150mm	105g	-7360K
8.0mm	200mm	185g	-7380K
10.0mm	250mm	250g	-7400K

12-Piece Set Contents (mm): 12 PIECES
Supplied in clear plastic wallet.
FLARED 5.5 x 75, 6.5 stubby, 6.5 x 100, 6.5 x 150, 8.0 x 200 and 10.0 x 250.
PZ No.1 x 75, No.2 x 100 and No.3 x 150.
CROSS POINT No.1 x 75, No.2 x 100 and No.3 x 150.



Number of Pieces	Weight each	Order Code KEN-572
12	1.45kg	-7490K

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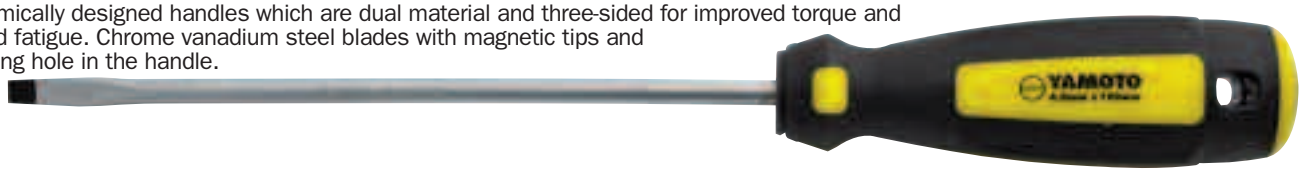
YAMOTO Tri-Line™ Screwdriver

NEW

Ergonomically designed handles which are dual material and three-sided for improved torque and reduced fatigue. Chrome vanadium steel blades with magnetic tips and a hanging hole in the handle.



Crosspoint



Tip Size	Blade Length	Weight each	Order Code YMT-572
No.1	75mm	64g	-3420K
No.1	100mm		-3440K
No.1	150mm		-3460K
No.1	200mm		-3480K
No.2	100mm	96g	-3500K
No.2	150mm		-3520K
No.2	200mm		-3540K
No.2	250mm		-3560K
No.2	300mm		-3580K

PZ/Supadriv



Tip Size	Blade Length	Weight each	Order Code YMT-572
No.2	100mm	96g	-3600K
No.2	200mm		-3620K

Parallel Tip



Tip Size	Blade Length	Weight each	Order Code YMT-572
3.0mm	75mm	36g	-2600K
5.0mm	150mm	76g	-2620K
5.0mm	200mm		-2640K
5.0mm	250mm		-2660K
6.0mm	200mm		-2700K

Flared Tip



Tip Size	Blade Length	Weight each	Order Code YMT-572
6.0mm	Stubby	44g	-2740K
6.0mm	150mm	106g	-2800K
6.0mm	200mm		-2820K
6.0mm	250mm		-2840K
6.0mm	300mm		-2860K
8.0mm	150mm		-2880K
8.0mm	200mm	176g	-2900K
8.0mm	250mm		-2920K
8.0mm	300mm		-2940K
10.0mm	250mm		-2960K

Tri-Line Screwdriver Sets

8-Piece Set Contents (mm):

CROSS POINT: No.1 x 75, No.2 x 100.

PZ: No.2 x 100.

PARALLEL: 3 x 75, 5 x 150.

FLARED: 6 x 150, 8 x 200, 6 x stubby.

6-Piece Set Contents (mm):

CROSS POINT: No. 1 x 75, No. 2 x 100.

PARALLEL: 3 x 75, 5 x 150.

FLARED: 6 x 150, 8 x 200.

Auto Express Product Awards Winner 2009



Number of Pieces	Weight each	Order Code YMT-572
6	715g	-2060K
8	875g	-2080K

YAMOTO Mechanic's Screwdrivers

Featuring a classic slimline design favoured by the automotive industry. Black high impact plastic handles. Chrome finish alloy steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life. Flat blades have hexagon bolster to allow extra torque to be applied using a spanner.

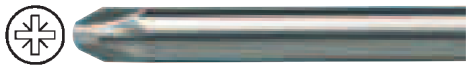


Crosspoint



Tip Size	Blade Length	Weight each	Order Code YMT-572
No.1	75mm	45g	-0510K
No.2	100mm	75g	-0520K
No.3	150mm	130g	-0530K
No.2	Stubby	50g	-0620K

PZ/Supadriv



Tip Size	Blade Length	Weight each	Order Code YMT-572
No.1	75mm	45g	-0710K
No.2	100mm	85g	-0720K
No.3	150mm	150g	-0730K

Flared Tip, Round Blade



Tip Size	Blade Length	Weight each	Order Code YMT-572
6.5mm	Stubby	50g	-0820K
6.5mm	100mm	80g	-0840K
6.5mm	150mm	90g	-0860K
8.0mm	200mm	155g	-0880K
10.0mm	250mm	250g	-0900K

Parallel Tip



Tip Size	Blade Length	Weight each	Order Code YMT-572
4.0mm	300mm	71g	-0320K
5.5mm	250mm	81g	-0340K
5.5mm	425mm	121g	-0350K
3 Piece Set		319g	-0400K

8-Piece Set Contents (mm):

Supplied in clear plastic wallet.

FLARED: 6.3 stubby, 6.3 x 100, 6.3 x 150, 8.3 x 200 and 9.5 x 250.

CROSS POINT: No.1 x 75, No.2 x 100 and No.3 x 150.

8 PIECES



Number of Pieces	Weight each	Order Code YMT-572
8	820g	-0980K

12-Piece Set Contents (mm):

Supplied in clear plastic wallet.

FLARED: 6.3 stubby, 6.3 x 100, 6.3 x 150, 8.3 x 200 and 9.5 x 250.

PZ: No.1 x 75, No.2 x 100 and No.3 x 150.

CROSS POINT: No.1 x 75, No.2 stubby, No.2 x 100 and No.3 x 150.

12 PIECES



Number of Pieces	Weight each	Order Code YMT-572
12	1.21kg	-0990K

HAND TOOLS

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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KENNEDY Screwdriver Set

Combined & Fluted Handle Screwdriver Set
Seven 'volt-tested' screwdrivers plus five non-insulated engineer's and electrician's screwdrivers.
Supplied in clear plastic wallet

12 PIECES

12-Piece Set Contents (mm): Non-Insulated

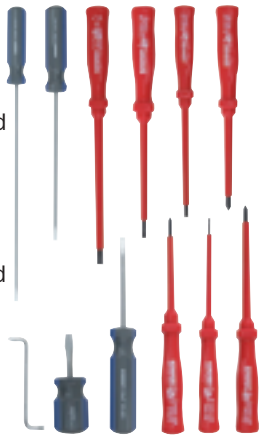
FLARED 6.3 stubby.

PARALLEL 4.8 x 75, 4.8 x 150 and 4.8 x 250.

Volt-Tested

PARALLEL 2.5 x 85, 4.0 x 100, 5.5 x 125 and 6.5 x 150.

CROSS POINT No.2 x ¼" slotted offset. No.0 x 75, No.1 x 100, No.2 x 100.



Number of Pieces	Weight each	Order Code KEN-572
12	745g	-5920K

Offset Double-Ended Screwdrivers

Designed to give access into otherwise restricted areas.
A versatile tool suitable for use in many applications.



Size	Weight each	Order Code KEN-572
No.1 x 3/16"	20g	-4210K
No.2 x ¼"	30g	-4220K
No.3 x 5/16"	80g	-4230K
Set - 1 each of above	140g	-4250K

Mini Screwdrivers

Extra light duty screwdriver with magnetic tips. Designed for use on terminals and other electrical work.
N.B. Do not use on live circuits.



Size	Weight each	Order Code KEN-572
No.0 x 65	10g	-5190K
3.0mm x 65	10g	-5220K
3.0mm x 100	10g	-5240K
Set - 1 each of above	35g	-5250K

SENATOR QUALITY TOOLING Screwdriver Sets

Chrome vanadium steel blades with magnetic tips. Acrylic handles.

8-Piece Set Contents (mm):

FLARED 6 stubby, 3 x 100 and 8 x 200.

PARALLEL 3.2 x 75 and 4 x 150.

PZ No.2 stubby, No.1 x 75 and No.2 x 100.

ACRYLIC GRIP HANDLES

8 PIECES



Number of Pieces	Weight each	Order Code SEN-572
8	690g	-9980K

12-Piece Set Contents (mm):

PARALLEL 6 stubby, 6 x 100, 6 x 150, 8 x 200 and 9.5 x 250.

PZ No.2 stubby, No.1 x 75, No.2 x 100 and No.3 x 150.

FLARED 3.2 x 75, 4 x 150 and 4 x 200.

ACRYLIC GRIP HANDLES

12 PIECES



Number of Pieces	Weight each	Order Code SEN-572
12	1.25kg	-9990K

8-Piece Set Contents (mm):

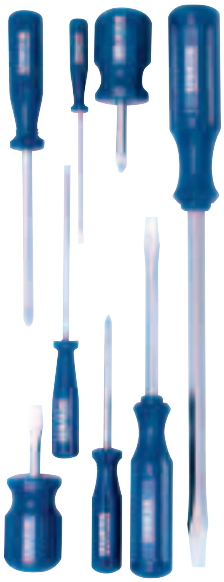
FLARED 6.3 stubby, 6.3 x 100 and 8.0 x 200.

PARALLEL 3.0 x 75 and 4.0 x 100.

CROSS POINT No.2 stubby, No.1 x 75. and No.2 x 100.

ACRYLIC GRIP HANDLES

8 PIECES



Number of Pieces	Weight each	Order Code SEN-572
8	580g	-9890K

Dual Grip Screwdriver Sets

Comfort rubber grip handles with chrome vanadium, chrome-plated blades and magnetic tips.

5-Piece Set Contents (mm):

CROSS POINT No.2 x 100, No.3 x 150.

PARALLEL 3 x 75, 5 x 150.

FLARED 8 x 200.

RUBBER GRIP HANDLES

5 PIECES



Number of Pieces	Weight each	Order Code SEN-572
5	600g	-9050K

10-Piece Set Contents (mm):

CROSS POINT No.2 x 100, No.3 x 150, No.2 stubby.

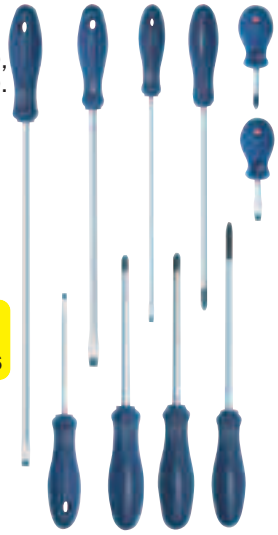
PZ No.2 x 100, No.3 x 150.

PARALLEL 3 x 75, 5 x 150, 5 x 250.

FLARED 8 x 200, 6 stubby.

RUBBER GRIP HANDLES

10 PIECES



Number of Pieces	Weight each	Order Code SEN-572
10	995g	-9100K

15-Piece Set Contents (mm):

CROSS POINT No.1 x 75, No.2 x 100, No.3 x 150, No.2 x stubby.

PZ No.1 x 75, No.2 x 100, No.3 x 150.

PARALLEL 3 x 75, 5 x 150, 5 x 200, 5 x 250.

FLARED 6 x 150, 8 x 200, 9.5 x 300, 6 x stubby.

RUBBER GRIP HANDLES

15 PIECES



Number of Pieces	Weight each	Order Code SEN-572
15	1.63kg	-9150K

HAND TOOLS

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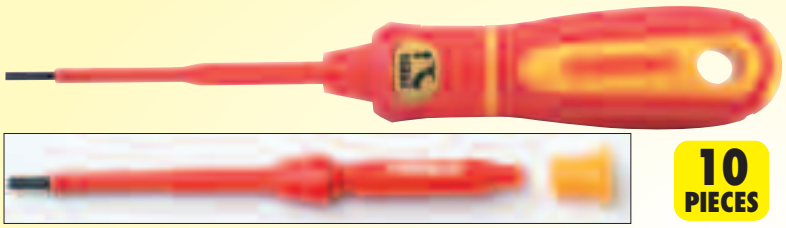
KENNEDY Insulated Interchangeable Screwdriver Set

Ergonomic insulated full size handle, swivel cap and eight interchangeable drivers supplied in a compact protective pouch with belt loop. 2-in-1 design, use the detachable swivel cap for fast (low torque) driving, or use the full size detachable ergonomic handle for higher torque fastening.
Safe up to 1000V AC/1500V DC.



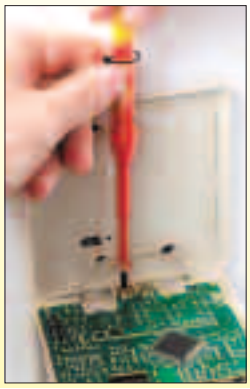
10 PIECES



10 Piece Set Contents (mm):

PARALLEL 0.4 x 2.5 x 100, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 100 and 1.2 x 6.5 x 100.

CROSS POINT No.0 x 100, No.1 x 100 and No.2 x 100.



Number of Pieces	Weight each	Order Code KEN-572
10	365g	-5870K

1000V Dual Grip VDE Screwdrivers

A fully insulated screwdriver VDE tested up to 1000V. Professional high grip handles, magnetic tips, chrome vanadium steel blades.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications.



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	60mm	20g	-7900K
No.1	80mm	60g	-7910K
No.2	100mm	90g	-7920K

Parallel Tip
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping and deforming the screw head.



Tip Size	Blade Length	Weight each	Order Code KEN-572
2.5mm	75mm	20g	-7940K
4.0mm	100mm	60g	-7950K
5.5mm	125mm	75g	-7960K
6.5mm	150mm	110g	-7970K

Set Contents (mm):

PARALLEL 2.5 x 75, 4.0 x 100, 5.5 x 125, 6.5 x 150.

CROSS POINT No.0 x 60, No.1 x 80, No.2 x 100.

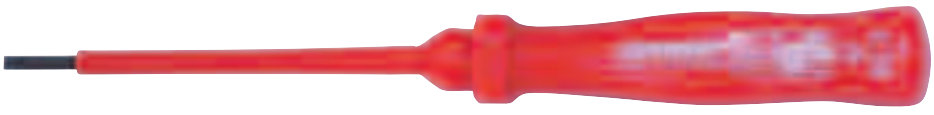
7 PIECES



Number of Pieces	Weight each	Order Code KEN-572
7	715g	-8000K

Electrician's VDE Square Section Handle Screwdrivers

Volt-tested to ensure safety on or near electrical equipment up to 1000V AC or 1500V DC. Insulated blades with magnetic tips. Conform with **DIN 7438** and **DIN EN 60900**.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications.



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0	75mm	27g	-5820K
No.1	100mm	50g	-5830K
No.2	100mm	80g	-5840K

Parallel Tip
Slotted head screws are the most commonly used screw. The tip of the screwdriver should be of the same width as the slot in the screw head and fill it as well, to minimise slipping.



Tip Size	Blade Length	Weight each	Order Code KEN-572
2.5mm	85mm	30g	-5760K
4.0mm	100mm	45g	-5780K
5.5mm	125mm	80g	-5790K
6.5mm	150mm	100g	-5800K

Set Contents (mm):
Supplied in clear plastic wallet.

PARALLEL 2.5 x 85, 4.0 x 100, 5.5 x 125, 6.5 x 150.

CROSS POINT No.0 x 75, No.1 x 100, No.2 x 100.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-572
7	495g	-5900K

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KENNEDY Spiral Ratchet Screwdrivers

Polished chrome plated body. 3-way ratchet. Quick release chuck, with swivel grip. Lacquered wooden handles. Chrome vanadium steel bits. Supplied with No.1 and No.2 crosspoint and 5.5mm and 7.0mm flared screwdriver bits.



Overall length: closed 300mm
extended 480mm (inc. bit)



Size	Order Code KEN-572
430mm	-8160K



Bits

Bits Sizes	Order Code KEN-572
5.5mm Flat	-8820K
7.0mm Flat	-8840K
No.1 Crosspoint	-8860K
No.2 Crosspoint	-8880K

Precision Jeweller's Screwdriver Set

12-in-1 Set
This handy jeweller's screwdriver set has six interchangeable 30 x 3.6mm hex. Double ended bits.

Contents: 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, T20, PH000, PH00, PH0, PH1, PZ0

Handle size:
90 x 7.7mm diameter.

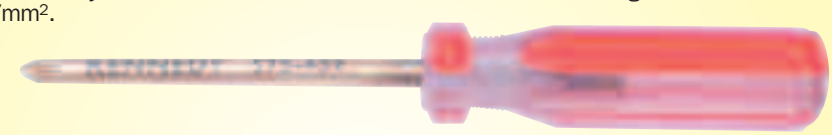
7 PIECES



Number of Pieces	Order Code KEN-572
7	-9000K

KENNEDY PROFESSIONAL Aluminium-Bronze Spark-Resistant Screwdrivers

Spark-resistant tools are used to eliminate the chances of accidental fires or explosions in potentially combustible or explosive environments. They resist the sparks that a standard tool could potentially create when striking hard surfaces. The use of spark resistant tools is essential in many industrial applications such as petroleum and chemical manufacturing, spray booth operations, the marine industry, the mining industry, the paper industries, or any location where flammable vapours or combustible residues are present. Aluminium-bronze spark-resistant safety tools are manufactured to 25HRC and offer a breaking strain of 75 - 85kgf/mm^2.



Be BERYLLIUM FREE

Spark-resistant tools must be maintained with special care. Frequent cleaning/re-dressing to remove ferrous particles or contaminants, which may impair the spark resistant properties, is essential.



Tip Size	Blade Length	Weight each	Order Code KEN-575
6.0mm	100	60g	-4020K
6.0mm	150	80g	-4040K
7.5mm	200	120g	-4060K
9.0mm	250	180g	-4080K
9.0mm	300	200g	-4100K



Tip Size	Blade Length	Weight each	Order Code KEN-575
No.1	75	55g	-4520K
No.2	100	60g	-4540K
No.3	150	100g	-4560K
No.4	200	120g	-4580K

Precision Screwdrivers

Nickel chrome molybdenum steel blades, hardened and tempered in choice of crosspoint and parallel tips. Chrome plated, with swivel tops which resist oil and acid. Supplied in plastic cases. Ideal for jewellers and watchmakers.

Parallel



Type	Tip Size (mm)	Weight each	Order Code KEN-572
PARALLEL	1.0	5g	-9100K
	1.2	10g	-9110K
	1.4	10g	-9120K
	1.8	10g	-9130K
	2.0	10g	-9140K
	2.4	15g	-9150K
	3.0	20g	-9160K
	3.8	30g	-9170K

Crosspoint



Type	Tip Size (mm)	Weight each	Order Code KEN-572
CROSSPOINT	PH0-4	5g	-9200K
	PH0-3	10g	-9210K
	PH0-2	10g	-9220K
	PH0	15g	-9230K
	PH1-1	30g	-9250K

HAND TOOLS

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KENNEDY Jeweller's & Watchmaker's Tool Sets Carbon Steel & Alloy Steel Blades

A quality range of precision screwdrivers. Combination tool and driver sets have carbon steel blades (tweezers are stainless steel). Driver only sets have nickel chrome molybdenum alloy steel blades. All with attractive chromed handles.

11-Piece Set

CARBON STEEL BLADES

Contents:

PARALLEL 1.0, 1.2, 1.4, 1.8, 2.4 and 3.0mm.

CROSS POINT PH0-2, PH0 and PH1

Fine point awl and tweezers.

11 PIECES



Number of Pieces	Weight each	Order Code KEN-572
11	220g	-9040K

11-Piece Set

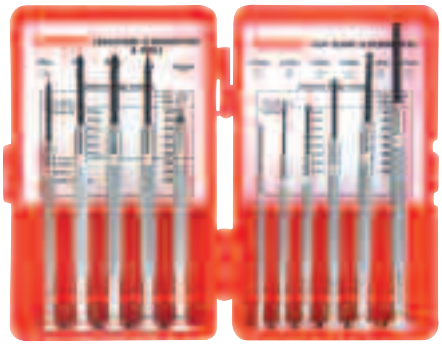
CARBON STEEL BLADES

Contents:

PARALLEL 1.0, 1.2, 1.4, 1.8, 2.4 and 3.0mm.

CROSS POINT PH0-4, PH0-3, PH0-2, PH0 and PH1.

11 PIECES



Number of Pieces	Weight each	Order Code KEN-572
11	210g	-9050K

11-Piece Set

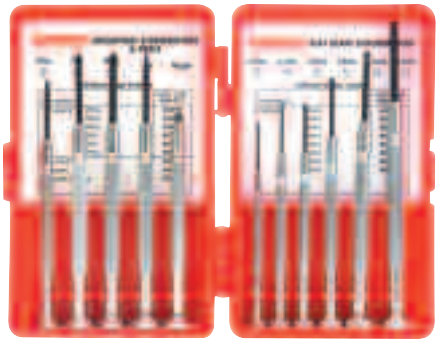
CARBON STEEL BLADES

Contents:

PARALLEL 1.0, 1.2, 1.4, 1.8, 2.4 and 3.0mm.

CROSS POINT PH0-2, PH0 and PH1, fine point, awl and magnet.

11 PIECES



Number of Pieces	Weight each	Order Code KEN-572
11	225g	-9060K

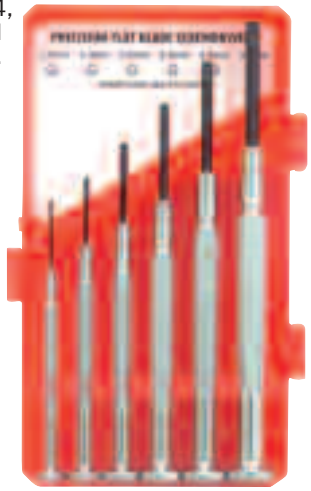
6-Piece Parallel Set

ALLOY STEEL BLADES

Contents:

PARALLEL 1.0, 1.4, 2.0, 2.4, 3.0 and 3.8mm.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-572
6	155g	-9070K

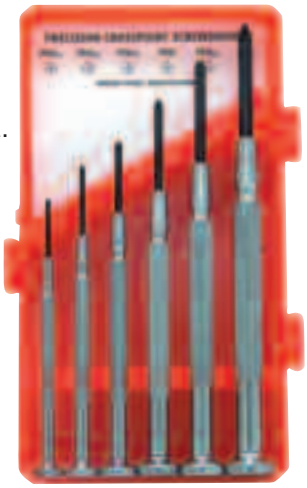
6-Piece Crosspoint Set

ALLOY STEEL BLADES

Contents:

CROSS POINT PH0-4, PH0-3, PH0-2, PH0, PH1-2 and PH1.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-572
6	140g	-9080K

6-Piece Parallel & Crosspoint Set

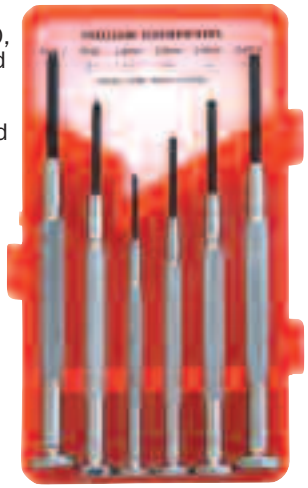
ALLOY STEEL BLADES

Contents:

PARALLEL 1.4, 2.0, 2.4, and 3.0mm.

CROSS POINT PH0 and PH1.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-572
6	155g	-9090K

5-Piece Hexagon Key Driver Set

ALLOY STEEL BLADES

Contents:

HEXAGON 0.9, 1.3, 1.5,2.0 and 2.5mm.

5 PIECES



Number of Pieces	Weight each	Order Code KEN-572
5	130g	-9886K



5-Piece Nut Driver Set

ALLOY STEEL BLADES

Contents:

HEXAGON 3.0, 3.5, 4.0, 4.5 and 5.0mm.

5 PIECES



Number of Pieces	Weight each	Order Code KEN-572
5	170g	-9888K

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KENNEDY PROFESSIONAL Pro-Torq Precision Screwdrivers

Expert quality, hardened and tempered chrome alloy steel blades with black magnetic tips. Fitted with a unique dual grip handle with revolving top designed for added user comfort whilst allowing more torque to be applied.



Crosspoint
Crosspoint screws virtually eliminate the screwdriver slippage if the correct size is used. The No.2 driver is suitable for most applications.



Tip Size	Blade Length	Weight each	Order Code KEN-572
No.0-3	40	15g	-4430K
No.0-2	40	15g	-4390K
No.0-2	75	15g	-4420K
No.0-0	40	15g	-4380K
No.0	75	15g	-4400K
No.1	100	20g	-4410K

Parallel Tip
Slotted head screws are the most commonly used screw. To safely drive these screws, the tip of the screwdriver should be of the same width as the slot in the screw head.



Tip Size	Blade Length	Weight each	Order Code KEN-572
1.4mm	40	15g	-4300K
2.0mm	40	15g	-4310K
2.4mm	40	15g	-4320K
3.0mm	40	15g	-4330K
2.4mm	75	15g	-4340K
3.0mm	75	20g	-4350K
4.0mm	100	25g	-4360K

TX
TX head screws are used predominantly for engineering and automotive applications. The design of the screw allows high torque levels to be applied without the driver slipping.



Tip Size	Blade Length	Weight each	Order Code KEN-572
T6	40	15g	-6470K
T8	40	15g	-6472K
T9	50	15g	-6474K
T10	50	15g	-6476K
T15	60	20g	-6478K
T20	60	20g	-6480K

Set
Alloy steel blades, black oxidised tips, dual material handles for improved grip, revolving end caps. Supplied in leatherette zip around case.

6 PIECES

Set Contents:

TX T6 x 40, T8 x 40, T9 x 50, T10 x 50, T15 x 60 and T20 x 60.





Number of Pieces	Weight each	Order Code KEN-572
6	170g	-6490K

Set
All screwdrivers have 40mm blade length. Complete with protective zip case.

7 PIECES

Set Contents:

PARALLEL 1.4, 2.0, 2.4 and 3.0mm.

CROSS POINT PH0-3, PH0-2 and PH-0.



Number of Pieces	Weight each	Order Code KEN-572
7	165g	-4450K

Set
Complete with protective zip case.

9 PIECES

Set Contents:

PARALLEL 1.4 x 40, 2.0 x 40, 2.4 x 75, 3.0 x 75 and 4.0 x 100mm.

CROSS POINT PH0-3 x 40, PH0-2 x 75, PH-0 x 75 and PH1 x 100mm.



Number of Pieces	Weight each	Order Code KEN-572
9	265g	-4470K



HAND TOOLS

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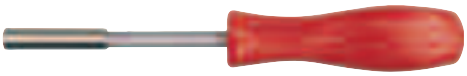
KENNEDY Heavy Duty Magnetic Driver

Square section mechanic's pattern handle. Suitable for use with ¼" hexagon driver bits etc. Hexagonal blade also allows the application of a spanner forhigh torque.



Overall Length	Weight Per 5	Order Code KEN-573
200mm (8")	750g	-7070K

¼" Hex Bit Ratchet

Included in the Kennedy 39 piece Socket and Screwdiver Bit Set (KEN-582-7910K)

NEW



Size	Order Code KEN-573
¼"	-9050K

6-in-1 Handles

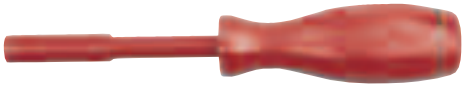
Contoured grip plastic grip handle for improved comfort, control and higher torque. In-handle storage of up to six bits. Magnetic bit retention.

EXTENDED RANGE

Ratchet
Switchable forward, reverse and fixed positive industrial quality ratchet action. Bright finish chrome vanadium blade.



Fixed
Chrome vanadium steel blade with plastic sheaving to prevent damage to fragile components.



Supplied with 25mm long 6mm (¼") hex bits:



Crosspoint
No.1 and 2.



PZ
No.1 and 2.



Flat:
5 and 6mm.

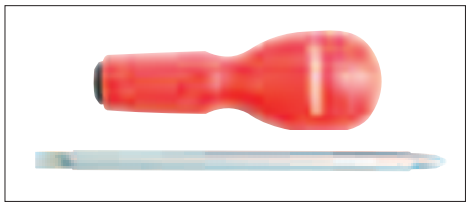
Handle Type	Overall Length	Weight each	Order Code KEN-573
Ratchet	200mm (8")	175g	-7040K
Fixed	200mm (8")	205g	-7060K

Reversible Blade Screwdriver

145mm long reversible hexagon blade with 6mm flat point and No.2 crosspoint ends. Cabinet handle style.

Overall length: 155mm.



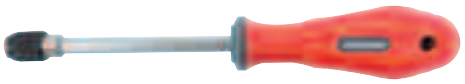


Overall Length	Weight	Order Code KEN-573
155mm/6"	55g	-7400K

Magnetic Screwdriver Bit Holder

Chrome vanadium steel blade with moulded dual grip handle for improved user comfort allowing more torque to be applied. Fixed blade with a quick release magnetic chuck.

Overall length: 185mm.
Blade length: 80mm.



Overall Length	Order Code KEN-573
200mm (8")	-7420K

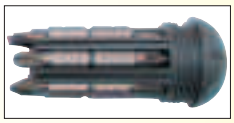
KENNEDY PROFESSIONAL Magnetic Screwdriver Bit Set

11 piece ¼" hexagon bits. Chrome vanadium steel blade with moulded dual grip handle designed for improved user comfort allowing more torque to be applied. Switchable forward, reverse and fixed positive industrial quality ratchet action. Bright finish chrome vanadium blade.



11 PIECES

Contents
25mm Driver Bits:
Crosspoint: No.1, 2 and 3.
PZ: No.1, 2 and 3.
Flat: 3, 4, 5 and 6mm.





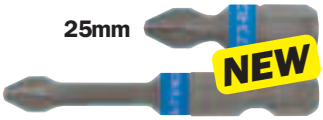


Product Number	Overall Length	Order Code KEN-573
DBH100	200mm (8")	-7050K

Torsion Bits ¼" Hex Drive

Manufactured from chrome vanadium for greater impact resistance and a longer lasting bit. Available as crosspoint, slotted, pozidriv, TX and hexagon. Colour coded to aid speedier recognition.

Crosspoint



Point Size	Overall Length	Order Code KEN-573
No.1	25	-8220K
No.2	25	-8222K
No.3	25	-8224K
No.2	50	-8226K
No.3	50	-8228K

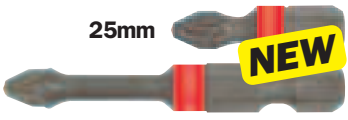
Slot

NEW



Point Size	Overall Length	Order Code KEN-573
0.8 x 4.0	25	-8240K
0.6 x 4.5	25	-8242K
0.6 x 4.5	25	-8244K
0.6 x 4.5	25	-8246K

PZ Torsion



Point Size	Overall Length	Order Code KEN-573
No.1	25	-8250K
No.2	25	-8252K
No.3	25	-8254K
No.1	50	-8256K
No.2	50	-8258K
No.3	50	-8260K

Square Torsion

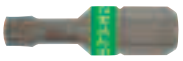
NEW



Point Size	Overall Length	Order Code KEN-573
No.1	25	-8262K
No.2	25	-8264K
No.3	25	-8266K

TX Torsion

NEW



Point Size	Overall Length	Order Code KEN-573
TX10	25	-8270K
TX15	25	-8272K
TX20	25	-8274K
TX25	25	-8276K
TX30	25	-8278K
TX40	25	-8280K

Hexagon

NEW



Point Size	Overall Length	Order Code KEN-573
No.1	25	-8290K
No.2	25	-8292K
No.3	25	-8294K
No.2	50	-8296K
No.3	50	-8298K

60mm Torsion Quick Magnetic Bit Holder

For use with the Kennedy Torsion Bit Set (KEN-573-6460K)

NEW



Overall Length	Order Code KEN-573
60mm	-8720K

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KENNEDY Screwdriver Bits

All Kennedy screwdriver bits have a hardness of 58 - 62HRC. High alloy chrome molybdenum steel for use on hand and power tools.


25mm overall length


38mm overall length


32mm overall length


50mm overall length


150mm overall length

1/4" Hex Drive Bits

Flat



Tip Size	Overall Length	Weight each	Order Code KEN-573
3.0	25	5g	-1360K
3.0	38	5g	-1760K
3.5	25	5g	-1370K
3.5	38	5g	-1770K
4.0	25	5g	-1380K
4.0	38	5g	-1780K
4.5	25	5g	-1390K
4.5	38	5g	-1790K
5.0	25	5g	-1400K
5.0	38	5g	-1800K
5.0	150	30g	-1170K
5.5	25	5g	-1410K
5.5	38	10g	-1810K
5.5	150	30g	-1172K
6.0	25	5g	-1420K
6.0	38	10g	-1820K
6.0	150	30g	-1174K
6.5	25	5g	-1430K
6.5	38	10g	-1830K
8.0	25	5g	-1460K
8.0	38	10g	-1860K
10.0	25	10g	-1500K

PZ



Point Size	Overall Length	Weight each	Order Code KEN-573
No.0	25	5g	-1100K
No.1	25	5g	-1110K
No.1	50	10g	-1710K
No.1	150	30g	-1160K
No.2	25	5g	-1120K
No.2	50	10g	-1720K
No.2	150	30g	-1162K
No.3	25	5g	-1130K
No.3	50	10g	-1730K
No.3	150	30g	-1164K
No.4	25	5g	-1140K

Crosspoint



Point Size	Overall Length	Weight each	Order Code KEN-573
No.0	25	5g	-1000K
No.1	25	5g	-1010K
No.1	50	10g	-1610K
No.1	150	30g	-1150K
No.2	25	5g	-1020K
No.2R	25	5g	-1022K
No.2	50	10g	-1620K
No.2	150	30g	-1152K
No.3	25	5g	-1030K
No.3	50	10g	-1630K
No.3	150	30g	-1154K
No.4	25	5g	-1040K
No.4	32	30g	-1156K

1/4" Hexagon Drive Cup Hook Driver Bit

A hollowed out 'Y' shaped driver bit designed for the driving in of cup hooks.

Overall length: 25mm.



Overall Length	Order Code KEN-573
25mm	-7500K

1/4" Hex Contractor Packs

The most popular style driver bits, multi-packed for economy. Supplied in plastic pocket cases that are ideal for the industrial user.
Insert Bits: plain shank for use with bit adaptors etc.
Direct Bits: ball recessed for use in power tools.



No.2 PZ



Bit Style	Length (mm)	Pack Qty	Weight/ Pack	Order Code KEN-573
Insert	25	10	60g	-1125K
Insert	50	5	60g	-1725K
Direct	53	5	60g	-2125K

No.2 Crosspoint



Bit Style	Length (mm)	Pack Qty	Weight/ Pack	Order Code KEN-573
Insert	25	10	60g	-1025K
Insert	50	5	60g	-1625K

TX20



Bit Style	Length (mm)	Pack Qty	Weight/ Pack	Order Code KEN-573
Insert	25	10	60g	-3705K



TX



Tip Size	Overall Length	Weight each	Order Code KEN-573
	1/4" Hex Bits		
TX5	25	5g	-3558K
TX6	25	5g	-3560K
TX7	25	5g	-3570K
TX8	25	5g	-3580K
TX9	25	5g	-3590K
TX10	25	5g	-3600K
TX15	25	5g	-3650K
TX20	25	5g	-3700K
TX25	25	5g	-3750K
TX27	25	5g	-3770K
TX30	25	5g	-3800K
TX40	25	5g	-3900K
TX45	25	5g	-3910K
TX50	25	5g	-3920K

Tamperproof TXS

For repair and servicing on electronic, electrical and mechanical equipment.



Tip Size	Overall Length	Weight each	Order Code KEN-573
TX6	25	4g	-4100K
TX7	25	4g	-4110K
TX8	25	4g	-4120K
TX9	25	4g	-4130K
TX10	25	4g	-4140K
TX15	25	4g	-4150K
TX20	25	4g	-4160K
TX25	25	4g	-4170K
TX27	25	5g	-4180K
TX30	25	5g	-4190K
TX40	25	5g	-4200K

Hexagon



Point Size	Overall Length	Weight each	Order Code KEN-573
3/32"	25	5g	-3350K
1/8"	25	5g	-3360K
5/32"	25	5g	-3370K
3/16"	25	5g	-3380K
1/4"	25	5g	-3390K
7/32"	25	5g	-3400K
5/16"	25	5g	-3410K
1.5	25	5g	-3430K
2.0	25	5g	-3440K
2.5	25	5g	-3450K
3.0	25	5g	-3460K
4.0	25	5g	-3470K
5.0	25	5g	-3480K
5.5	25	5g	-3485K
6.0	25	5g	-3490K
7.0	25	5g	-3500K
8.0	25	5g	-3510K
10.0	25	5g	-3530K

Ball Point Hexagon



Hex Size	Overall Length	Weight each	Order Code KEN-573
1.5	25	5g	-3540K
2.0	25	5g	-3542K
2.5	25	5g	-3544K
3.0	25	5g	-3546K
4.0	25	5g	-3548K
5.0	25	5g	-3550K
6.0	25	5g	-3552K

Tamperproof Hex



Hex Size	Overall Length	Weight each	Order Code KEN-573
1.5	25	5g	-8680K
2.0	25	5g	-8682K
2.5	25	5g	-8684K
3.0	25	5g	-8686K
4.0	25	5g	-8688K
5.0	25	5g	-8690K
5.5	25	5g	-8692K
6.0	25	5g	-8694K
7.0	25	5g	-8696K
8.0	25	5g	-8698K

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KENNEDY ¼" Hex Bits

ACR® Ribbed Cosspoint System
Anti-Cam-out Recess. Keeps the bit securely mated to the screw during removal, reducing damage to the recess and surrounding areas. This ensures securely removal every time with lower costs, more productivity and less drill outs. Also allows off-angle driving and acts as torque limit on installation. Preferred system for aerospace and military industries.

Phillips ACR®



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.1	25	5g	-8648K
No.2	25	5g	-8650K
No.3	25	5g	-8652K

ACR® II Ribbed Cosspoint System
Anti-Cam-out Recess. Designed to meet the ever-challenging needs of faster assembly processes that can cause bit cam-out, creating component surface damage and scrappage. Allows off-angle driving in difficult positions and reduces end-load pressure, reducing operator fatigue. Improves assembly times, reducing defects and rework, also makes disassembly easier for more effective service and maintenance. Preferred system for automotive, electronics and general assembly industries.

Phillips ACR® II



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.1	25	5g	-8640K
No.2R*	25	5g	-8642K
No.2	25	5g	-8644K
No.3	25	5g	-8646K

* R = Reduced neck diameter

Pozi ACR® II



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.1	25	5g	-8630K
No.2	25	5g	-8632K
No.3	25	5g	-8634K

ACR® is a trademark of the Phillips Screw Co.



Tri-Wing



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.0	25	4g	-2900K
No.1	25	4g	-2910K
No.2	25	4g	-2920K
No.3	25	4g	-2930K
No.4	25	5g	-2940K
No.5	25	5g	-2950K
No.6	25	6g	-2960K
No.7	25	7g	-2970K
No.8	25	8g	-2980K

SIT®



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.10	25	5g	-8620K
No.20	25	5g	-8622K
No.25	25	5g	-8624K
No.30	25	5g	-8626K
No.40	25	5g	-8628K

Square



Tip Size	Overall Length	Weight each	Order Code KEN-573
0	25	5g	-8510K
1	25	5g	-8512K
2	25	5g	-8514K
3	25	5g	-8516K
4	25	5g	-8518K

Spline



Tip Size	Overall Length	Weight each	Order Code KEN-573
4	25	5g	-8530K
5	25	5g	-8532K
6	25	5g	-8534K
8	25	5g	-8536K
10	25	5g	-8538K

Spanner



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.4	25	5g	-8660K
No.6	25	5g	-8662K
No.8	25	5g	-8664K
No.10	25	5g	-8666K
No.12	25	5g	-8668K

Torq® Sets



Tip Size	Overall Length	Weight each	Order Code KEN-573
No.4	25	5g	-8600K
No.5	25	5g	-8602K
No.6	25	5g	-8604K
No.8	25	5g	-8606K
No.10	25	5g	-8608K
¼"	25	5g	-8610K

Clutch



Tip Size	Overall Length	Weight each	Order Code KEN-573
5/32"	25	5g	-8580K
3/16"	25	5g	-8582K
¼"	25	5g	-8584K

5/16" Hex Bits

Crosspoint



Point Size	Overall Length	Weight each	Order Code KEN-573
No.1	32mm	5g	-2410K
No.2	32mm	5g	-2420K
No.3	32mm	10g	-2430K
No.4	38mm	10g	-2440K

PZ



Point Size	Overall Length	Weight each	Order Code KEN-573
No.1	32mm	10g	-2510K
No.2	32mm	10g	-2520K
No.3	32mm	10g	-2530K
No.4	38mm	10g	-2540K

Flat



Point Size	Overall Length	Weight each	Order Code KEN-573
6.0	41mm	15g	-2720K
8.0	41mm	15g	-2780K
10.0	41mm	20g	-2800K
12.0	41mm	20g	-2820K
14.0	41mm	25g	-2880K

TX



Point Size	Overall Length	Weight each	Order Code KEN-573
TX25	35mm	10g	-4250K
TX30	35mm	10g	-4300K
TX40	35mm	15g	-4400K
TX45	35mm	15g	-4450K
TX50	35mm	15g	-5500K
TX55	35mm	20g	-5550K

Double-Ended ¼" Hex Bits

All with overall length 60mm (2⅜").

Crosspoint x Slotted



Tip Width x Size	Weight each	Order Code KEN-573
4.5mm x No.1	10g	-5610K
5.5mm x No.2	10g	-5620K
7.0mm x No.3	10g	-5630K

Slotted x PZ



Tip Width x Size	Weight each	Order Code KEN-573
4.5mm x No.1	10g	-5710K
5.5mm x No.2	10g	-5720K
7.0mm x No.3	10g	-5730K

Crosspoint



Tip Width x Size	Weight each	Order Code KEN-573
No.1 x No.2	10g	-5810K
No.2 x No.3	10g	-5820K
No.2 x No.2	10g	-5920K

PZ



Tip Width x Size	Weight each	Order Code KEN-573
No.1 x No.2	15g	-5850K
No.2 x No.3	15g	-5860K
No.2 x No.2	15g	-5950K

10mm Hex Drive Bits

TX



Tip Size	Overall Length	Weight each	Order Code KEN-573
TX20	30	13g	-8750K
	75	43g	-8770K
TX25	30	13g	-8752K
	75	43g	-8772K
TX30	30	13g	-8754K
	75	43g	-8774K
TX40	30	14g	-8756K
	75	44g	-8776K
TX45	30	15g	-8758K
	75	45g	-8778K
TX50	30	16g	-8760K
	75	46g	-8780K
TX55	30	18g	-8762K
	75	48g	-8782K

Hexagon



Point Size	Overall Length	Weight each	Order Code KEN-573
4	30	12g	-8800K
5	30	15g	-8802K
6	30	16g	-8804K
7	30	15g	-8806K
8	30	16g	-8808K
10	30	19g	-8810K
12	30	24g	-8812K
4	75	42g	-8820K
5	75	44g	-8822K
6	75	44g	-8824K
7	75	45g	-8826K
8	75	46g	-8828K
10	75	64g	-8830K
12	75	67g	-8832K

Spline



3Tip Size	Overall Length	Weight each	Order Code KEN-573
5	30	12g	-8880K
6	30	13g	-8882K
8	30	14g	-8884K
10	30	17g	-8886K
12	30	18g	-8888K
5	75	39g	-8900K
6	75	40g	-8902K
8	75	42g	-8904K
10	75	46g	-8906K
12	75	54g	-8908K

HAND TOOLS

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KENNEDY Titanium Screwdriver Bits

Titanium bits improve wear resistance.
For use with hand and power tools.

¼" Hex Bits - Flat



Point Size	Length (mm)	Order Code KEN-573
5.0	25	-8042K
6.0	25	-8044K

¼" Hex Bits - Crosspoint



Point Size	Length (mm)	Order Code KEN-573
No.1	25	-8010K
No.2	25	-8012K
No.2	50	-8052K
No.2	150	-8032K
No.3	25	-8014K

¼" Hex Bits - PZ



Point Size	Length (mm)	Order Code KEN-573
No.1	25	-8020K
No.1	50	-8060K
No.2	25	-8022K
No.2	50	-8062K
No.2	150	-8030K
No.3	25	-8024K
No.3	50	-8064K

¼" Hex Bits - Hex



Point Size	Length (mm)	Order Code KEN-573
2.5	25	-8102K
3.0	25	-8104K
4.0	25	-8106K
5.0	25	-8108K
6.0	25	-8110K
8.0	25	-8112K

¼" Hex Bits - TX



Point Size	Length (mm)	Order Code KEN-573
TX10	25	-8152K
TX15	25	-8154K
TX20	25	-8156K
TX25	25	-8158K
TX30	25	-8160K
TX40	25	-8162K

¼" Direct Drive Bits - Crosspoint



Point Size	Length (mm)	Order Code KEN-573
No.2	50	-8072K

¼" Direct Drive Bits – PZ



Point Size	Length (mm)	Order Code KEN-573
No.1	50	-8080K
No.2	50	-8082K

¼" Powerbit - PZ



Point Size	Length (mm)	Order Code KEN-573
No.2	70	-8092K
No.2	90	-8094K

5/16" Hex Bits - Crosspoint



Point Size	Length (mm)	Order Code KEN-573
No.3	30	-8204K
No.4	30	-8206K

5/16" Hex Bits - PZ



Point Size	Length (mm)	Order Code KEN-573
No.2	30	-8212K
No.3	30	-8214K
No.4	40	-8216K

Desoutter Shank Bits

5/16" hex. with Desoutter style ball locator.

Crosspoint



Point Size	Overall Length	Weight each	Order Code KEN-573
No.2	53	15g	-3020K
No.2	94	15g	-3180K

PZ



Point Size	Overall Length	Weight each	Order Code KEN-573
No.1	53	15g	-3110K
No.2	53	15g	-3120K
No.3	53	20g	-3130K

Desoutter Shank Adaptors

5/16" hexagon shank with Desoutter style ball locator. For use with insert bits.



Socket Hex	Overall Length	Weight each	Order Code KEN-573
1/4"	46	35g	-6110K

Magnetic with Retainer



Socket Hex	Overall Length	Weight each	Order Code KEN-573
1/4"	55	35g	-6030K

Socket Adaptor

1/4" hex. drive.



Square Drive	Length (mm)	Weight each	Order Code KEN-573
1/4"	25	30g	-6250K
1/4"	50	60g	-6260K

Socket Driver Adaptor

1/4" Hexagon drive magnetic bit adaptor socket.

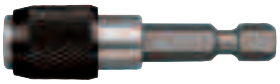


Square Drive	Length (mm)	Weight each	Order Code KEN-573
1/4"	25	16g	-8710K

Direct Drive Adaptors for Power Tools

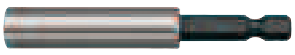
1/4" hexagon shank with ball recess. For use with insert bits.

Quick Release with Retainer



Socket Hex	Length (mm)	Weight each	Order Code KEN-573
1/4"	60	50g	-6200K

Magnetic with Retainer



Socket Hex	Length (mm)	Weight each	Order Code KEN-573
1/4"	74	70g	-6150K
5/16"	74	50g	-6170K

Magnetic



Socket Hex	Length (mm)	Weight each	Order Code KEN-573
1/4"	60	20g	-6010K

1/4" Hex One Touch Adaptor

Included in the Kennedy 39 piece Socket and Screwdriver Bit Set (KEN-582-7910K).

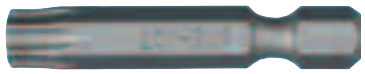


Socket Hex	Order Code KEN-573
1/4"	-9060K

Direct Drive Bits for Power Tools

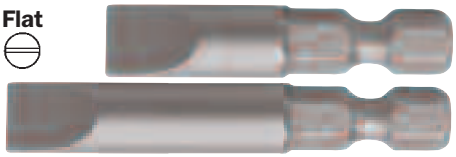
1/4" Hex with ball recess.

TX



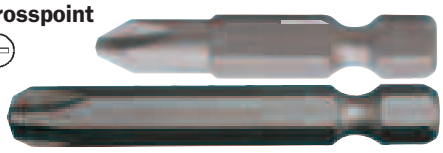
Point Size	Overall Length	Weight each	Order Code KEN-573
TX7	38	5g	-3950K
TX8	38	5g	-3960K
TX9	38	5g	-4000K
TX10	38	5g	-4010K
TX15	38	5g	-4020K
TX20	38	5g	-4030K
TX25	38	5g	-4040K
TX27	38	10g	-4050K
TX30	38	10g	-4060K
TX40	38	10g	-4070K

Flat



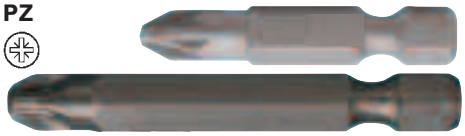
Point Size	Overall Length	Weight each	Order Code KEN-573
4.0	50	10g	-2180K
4.0	70	10g	-2320K
4.0	90	15g	-2340K
4.5	38	5g	-1520K
5.0	38	5g	-1530K
5.0	50	10g	-2200K
5.0	70	15g	-2322K
5.0	90	15g	-2342K
6.0	38	5g	-1550K
6.0	50	10g	-2220K
6.0	70	15g	-2324K
6.0	90	20g	-2344K
8.0	38	10g	-1560K
8.0	50	15g	-2260K
8.0	70	20g	-2326K
8.0	90	30g	-2346K
10.0	50	15g	-2300K
10.0	70	30g	-2328K
10.0	90	40g	-2348K

Crosspoint



Point Size	Overall Length	Weight each	Order Code KEN-573
No.0	50	5g	-2000K
No.1	38	7g	-1210K
No.1	50	8g	-2010K
No.1	70	8g	-1340K
No.1	100	7g	-1350K
No.2	38	8g	-1220K
No.2	50	10g	-2020K
No.2	70	8g	-1342K
No.2	100	7g	-1352K
No.3	38	8g	-1230K
No.3	50	10g	-2030K
No.3	70	8g	-1344K
No.3	100	7g	-1354K
No.4	50	10g	-2040K

PZ



Point Size	Overall Length	Weight each	Order Code KEN-573
No.1	38	7g	-1310K
No.1	50	10g	-2110K
No.1	70	20g	-2150K
No.1	90	21g	-2160K
No.2	38	8g	-1320K
No.2	50	10g	-2120K
No.2	70	20g	-2152K
No.2	90	25g	-2162K
No.3	38	8g	-1330K
No.3	50	10g	-2130K
No.3	70	20g	-2154K
No.3	90	25g	-2164K

HAND TOOLS

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KENNEDY Screwdriver Bit Sets

Contents:

Hex: 2, 2.5, 3, 4, 5 and 6mm.
PZ: No.1 x2, No.2 x3, No.3 x2.
TX: TX10, TX15, TX20 TX25, TX30, TX40.
Crosspoint: No.0, No.1 x2, No.2 x3, No.3 x2.
Flat: 3, 4, 5, 6 and 6.5mm.
1/4" magnetic drive adaptor.

33 PIECES



Number of Pieces	Weight each	Order Code KEN-573
33	240g	-6480K

Flat & Crosspoint Bit Set

Flat: 3, 4, 5, 6 and 8mm.
Crosspoint: No.0, 1, 2 and 3.
All 1/4" hex. x 25mm overall length, complete with quick release 1/4" hexagon bit adaptor.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-573
10	120g	-6410K

Tri-Wing Bit Set

Tri-Wing: 0, 1, 2, 3, 4, 5, 6, 7 and 8.
All 1/4" hex. x 25mm. overall length, complete with quick release 1/4" hexagon bit adaptor.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-573
10	125g	-6550K

TX Bit Set

T8, 9, 10, 15, 20, 25, 27, 30 and 40.
All 1/4" hex. x 25mm overall length, complete with quick release 1/4" hexagon bit adaptor.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-573
10	120g	-6430K

Tamperproof TXS Bit Set

T8, 9, 10, 15, 20, 25, 27, 30 and 40.
All 1/4" hex. x 25mm overall length, complete with quick release 1/4" hexagon bit adaptor.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-573
10	115g	-6440K

Engineer's Bit Set

29 PIECES

All 1/4" hex. x 25mm overall length, complete with magnetic spinner handle, 1/4" hexagon bit adaptor and 1/4" square socket adaptor.

Hexagon: 2, 3, 4, 5, 6, 7 and 8mm. 3/32", 1/8", 5/32", 3/16", 1/4", 7/32" and 5/16"
Flat: 3, 4, 5, 5.5, 6.5 and 8mm.
Crosspoint: No.1, 2 and 3.
PZ: No.1, 2 and 3.

Number of Pieces	Weight each	Order Code KEN-573
29	500g	-6450K



Mechanic's Bit Set

29 PIECES

All 1/4" hex. x 25mm overall length, complete with magnetic spinner handle, 1/4" hexagon bit adaptor and 1/4" square socket adaptor.

TX: T6, 7, 8, 9, 10, 15, 20, 25, 27, 30 and 40.
Crosspoint: No.1, 2 and 3.
Flat: 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5 and 8mm.
PZ: No.1, 2 and 3.

Number of Pieces	Weight each	Order Code KEN-573
29	480g	-6470K



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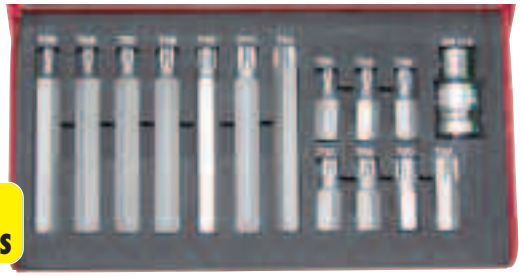
KENNEDY 10mm AF Hexagon Drive Screwdriver Bit Set

TX
Contents: ½" Sq. drive x 10mm Hex. bit holder
TX 10 x 75mm: T20, T25, T30, T40, T45, T50 and T55
TX 10 x 30mm: T20, T25, T30, T40, T45, T50 and T55
Torx is a registered trade mark of Camcar/Textron Inc.



Number of Pieces	Case Type	Weight each	Order Code KEN-573
15	Moulded	945g	-6340K

Ken-Grip Socket & Screwdriver Bit Set

Featuring Ken-Grip patented design sockets that grip up to 95% of a rounded fastener and will not damage fasteners. Manufactured from Chrome Vanadium, they will fit a range of non-metric hexagons and E-Torx drive sizes. The screwdriver bits are manufactured from Chrome Molybdenum.

NEW

Contents:
Metric sockets: 6mm, 7mm, 8mm, 10mm, 11mm, 12mm, 13mm

Screwdriver bits:
Slotted: 4, 4.5, 6.5, 8
Hexagon: 3, 4, 5, 6
TX: T8, T10, T15, T20, T25, T27, T30, T40.
Torx Temper: TT10, TT15, TT20, TT25, TT27, TT30, TT40.
Crosspoint: No 1, No 2, No 3
Pozidriv: No 1, No 2, No 3.

Accessories: ¼" x 60mm hex one touch adaptor, ¼" x 25mm socket adaptor, ¼" hex bit ratchet.

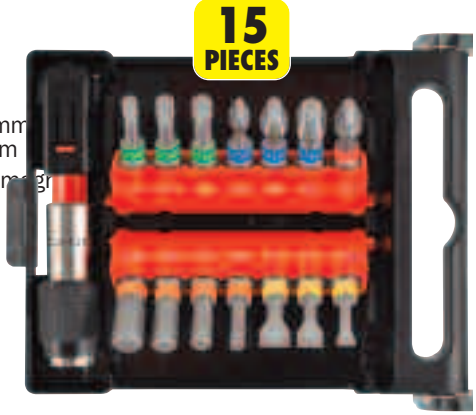


Number of Pieces	Case Type	Weight each	Order Code KEN-582
39	Moulded	450g	-7910K

Torsion Bit Set

Manufactured from chrome vanadium, this 15 piece set features torx, crosspoint, pozidriv, slotted and hexagon bits, together with a quick release magnetic bit holder. Bits are colour coded for faster recognition and the set is supplied in a handy sized case.

Contents:
TX: 15, 20, 25
Crosspoint: No 1, No 2, No 3
Pozidriv: No 2
Slotted: 4.0,5.5, 6.5mm
Hexagon: 3, 4, 5, 6mm
Torsion quick release m



NEW

Number of Pieces	Case Type	Weight each	Order Code KEN-573
15	Moulded	160g	-6460K

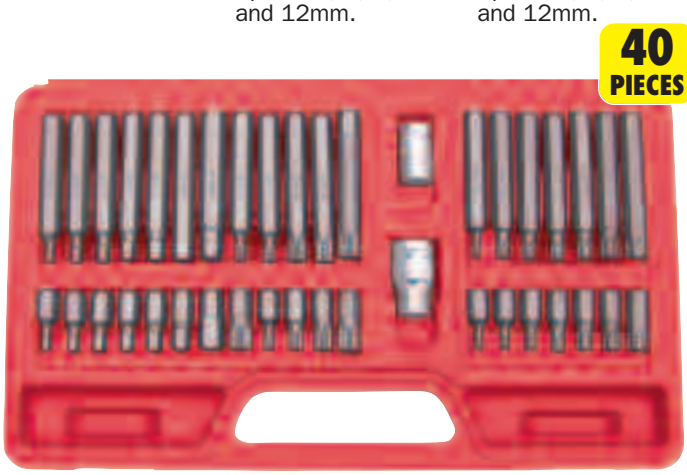
10mm Hexagon Power Bit Set

This Impact Driver Bit Set is suitable for workshop and manufacturing use. Made from chrome molybdenum the range includes Hexagon, TX and Spline bits with ⅜" and ½" x 10mm Bit Adaptors that are suitable for hand and power impact drivers.

Contents:
⅜" and ½" Square x 10mm Hexagon Bit Adaptors.

75mm x 10mm Hexagon bits:
Hexagon: 4, 5, 6, 7, 8, 10 and 12mm.
TX: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50 and Tx55.
Spline: 5, 6, 8, 10 and 12mm.

30mm x 10mm Hexagon bits:
Hexagon: 4, 5, 6, 7, 8, 10 and 12mm.
TX: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50 and Tx55.
Spline: 5, 6, 8, 10 and 12mm.



Number of Pieces	Case Type	Weight each	Order Code KEN-573
40	Moulded	1.75kg	-6490K

Service Set

¼" hex. bit holders ¼" and ⅜" square drive.

¼" Hex 25mm Long:
TX: T6, 7, 8, 9, 10, 15, 20, 25, 27, 30 and 40.
Flat: 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 8 and 10mm.
Crosspoint: No. 0, 1, 2 and 3.
PZ: No. 1, 2 and 3.

¼" Hex 38mm Long:
Flat: 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5 and 8mm.

¼" Hex 50mm Long Ball Retainer Fitting:
Flat: 4, 5, 6, 8 and 10mm.
PZ: No. 1, 2 and 3.
Crosspoint: No. 0, 1, 2, 3 and 4.

¼" Hex 50mm Long Plain Hex Shank:
Crosspoint: No. 1, 2 and 3.
PZ: No. 1, 2 and 3.

¼" Hex 60mm Long Double-Ended:
No.1 **Crosspoint** x 4.5mm **Flat**
No.1 **PZ** x 4.5mm **Flat**
No.2 **Crosspoint** x 5.5mm **Flat**
No.2 **PZ** x 5.5mm **Flat**
No.3 **Crosspoint** x 6.5mm **Flat**
No.3 **PZ** x 6.5mm **Flat.**



Number of Pieces	Weight each	Order Code KEN-573
64	840g	-6500K

HAND TOOLS

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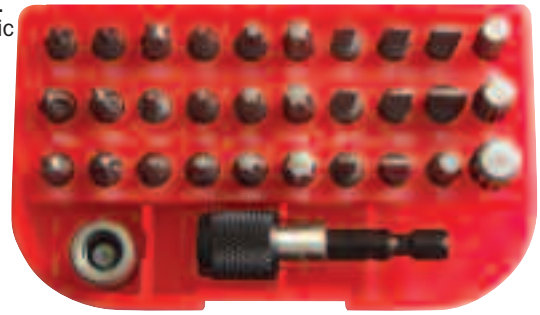
KENNEDY Mechanic's Screwdriver Bit Set

Crosspoint: No.1, No.2, No.3.
Pozidriv®: No.1, No.2 (x2), No.3.
Torx®: 6, 7, 8, 9, 10, 15, 20, 25, 27, 30, 40.
Slotted: 3, 3.5, 4, 4.5, 5, 5.5, 6.5, 8mm.
Spline: 5, 6, 8, 10mm.
¼" hex x 60mm quick release magnetic bit holder.
¼"square drive.
¼" hex magnetic bit holder.

Supplied in a moulded case with a belt clip.

32 PIECES



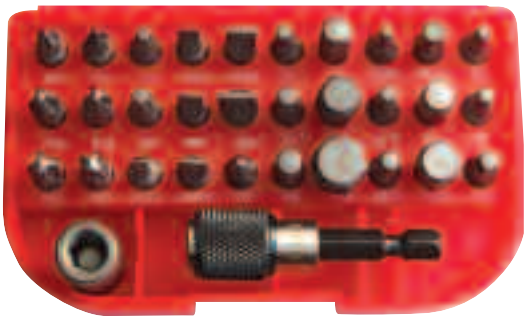
Number of Pieces	Case Type	Weight each	Order Code KEN-573
32	Moulded	260g	-6320K

Engineer's Screwdriver Bit Set

Crosspoint: No.1, No.2, No.3.
Pozidriv®: No.1, No.2, No.3.
Torx®: 15, 20.
Slotted: 3.5, 4.5, 5, 5.5, 6.5, 8mm.
Hexagon: 2, 3, 4, 5, 6, 8, 10mm, 3/32",1/8",5/32",3/16",1/4",5/16".
Square: 1, 2, 3.
¼" hex x 60mm quick release magnetic bit holder.
¼" square drive.
¼" hex magnetic bit holder.

Supplied in a moulded case with a belt clip.

32 PIECES



Number of Pieces	Case Type	Weight each	Order Code KEN-573
32	Moulded	270g	-6300K

Mechanic's Screwdriver Bit Set

Featuring Ken-Grip patented design sockets that grip up to 95% of a rounded fastener and will not damage fasteners. Manufactured from Chrome Vanadium, they will fit a range of non-metric hexagons and E-Torx drive sizes. The screwdriver bits are manufactured from Chrome Molybdenum.

Contents:
Metric sockets: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 10mm, 11mm, 12mm, 13mm. 14mm.
Screwdriver bits:
Crosspoint: No 1, No 2, No 3
Pozidriv: No 1, No 2, No 3
Torx: T5, T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.
Slotted: 3.5, 4.5, 5.5, 6.5, 8
Hexagon: 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8
Tri-Wing: No 3, No 4, No 5
Torq Set: TS.5, TS.6, TS.8, TS.10
SIT: No 10, No 20, No 25, No 30, No 40
Accessories: L" Square drive, !/4" hex magnetic bit holder, Y adaptor for cup hook, Spinner handle



60 PIECES

NEW

Number of Pieces	Case Type	Order Code KEN-573
60	Metal	-6370K

Master Screwdriver Bit Set

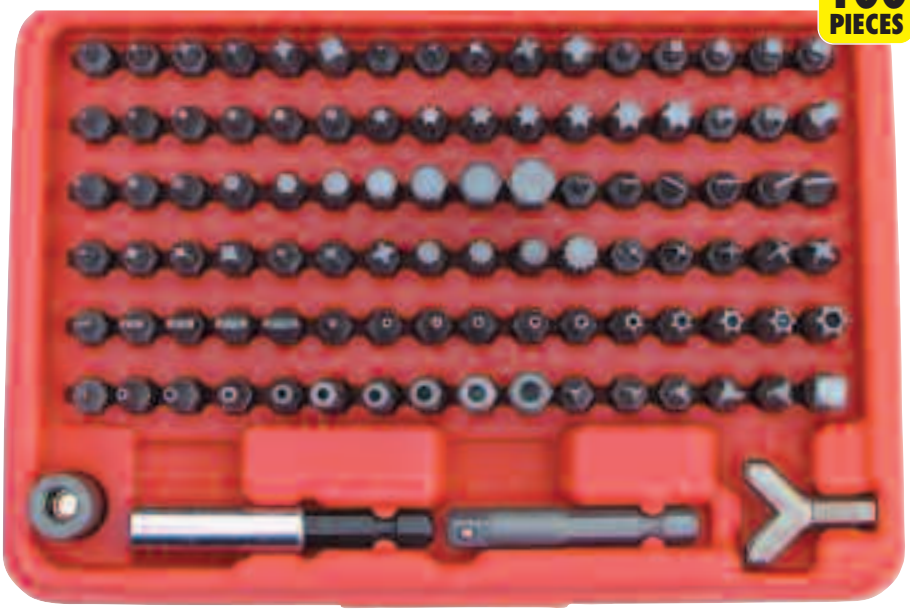
¼" hex x 25mm insert bits. Manufactured from chrome molybdenum. Bit holder made from chrome vanadium hardened steel, tempered and chrome plated. Uniquely packaged in a moulded plastic case for easy organisation and storage.

100 PIECES

Crosspoint: No.0, No.1, No.2R, No.2, No.3, No.4.
Pozidrive®: No.0, No.1, No.2, No.3, No.4.
Square: 0, 1, 2, 3, 4.
Torx®: T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50.
Clutch: 5/32, 3/16, 1/4.
Hex: 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10.
Slotted: 3, 3.5, 4.5 5, 5.5, 6.5.
Crosspoint ACR II: No.1, No.2R, No.2, No.3.
Pozidriv® ACR: No.1, No.2, No.3.
Spline: 4, 5, 6, 8.

Torq®Set: 4, 5, 8, 10, ¼".
Spanner: 4, 6, 8, 10, 12.
Torx® Tamper Resistant: T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.
Hex Tamper Resistant: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 7, 8.
Tri-Wing: No.1, No.2, No.3, No.4, No.5.
¼" square drive x ¼" hex magnetic bit holder - 25mm.
¼" hex x ¼" hex magnetic bit holder - 60mm.
¼" hex x ¼" square drive socket adaptor - 25mm.
¼" hex x ¼" square drive socket adaptor - 50mm.
"Y" Adaptor for cup hook or screw eye.

Dimensions (H x W x D): 123 x 177 x 35mm.



Number of Pieces	Case Type	Weight each	Order Code KEN-573
100	Moulded	690g	-6350K

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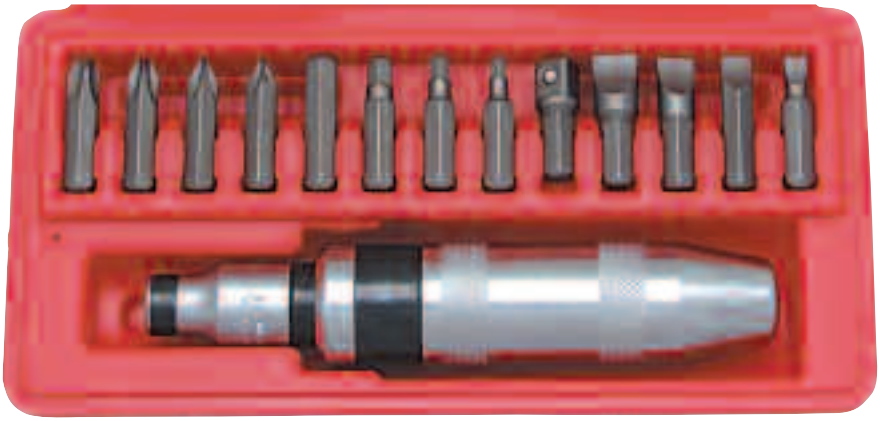
KENNEDY Impact Driver Sets

Industrial quality impact driver with switchable forward and reverse screwdriver rotation. When the impact resistant handle is struck with a hammer the downward force is converted by the impact driver's internal mechanism into a powerful high torque screwdriver rotation action. Ideal for ensuring fasteners are securely tightened and for freeing stuck fasteners.
Hex drive nose pieces can be removed to allow use with 1/2" square drive impact sockets.

14-Piece Set
To suit 5/16" hex, 3/8" and 1/2" square drives. **Complete with: Crosspoint:** No.1, 2, 3 and 4. **Flat Bits:** 6, 8, 10 and 12mm. **Hex Bits:** 4,5, 6 and 8mm.



14 PIECES

Number of Pieces	Case Type	Weight each	Order Code KEN-573
14	Moulded	1.20kg	-7100K

5-Piece Set
To suit 5/16" hex and 1/2" square drives.
Complete with:
Crosspoint: No.2 and 3.
Flat Bits: 8 and 10mm.

5 PIECES



Number of Pieces	Weight each	Order Code KEN-573
5	0.75kg	-7080K

40-Piece Set
1/2" square to 5/16" hexagon bit adaptor 1/2" square to 3/8" hexagon bit adaptor.
80mm x 3/8" Hexagon bits, Hexagon: 8mm, 6mm, **TX**: Tx40, Tx45, Tx50, **Crosspoint**: No.2, No.3, **Slotted**: 8mm and 10mm,
35mm x 3/8" Hexagon bits, Hexagon: 4mm, 5mm, 6mm, 7mm, 8mm, **TX**: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50,
Crosspoint: No.1, 2, 3 & 4, **Slotted**: 5mm, 6mm, 8mm, 10mm, 12mm,
30mm x 5/16" Hexagon bits, Hexagon: 10mm, 12mm, **TX**: Tx55, **Spline**: 5mm, 6mm, 8mm, 10mm, and 12mm.

40 PIECES



Number of Pieces	Case Type	Weight each	Order Code KEN-573
40	Moulded	1.20kg	-7140K

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KENNEDY PROFESSIONAL Spark-Resistant Safety Tools

EXTENDED RANGE

Spark-resistant tools are used to eliminate the chances of accidental fires or explosions in potentially combustible or explosive environments. They resist the sparks that a standard tool could potentially create when striking hard surfaces. The use of spark resistant tools is essential in many industrial applications such as petroleum and chemical manufacturing, spray booth operations, the marine industry, the mining industry, the paper industries, or any location where flammable vapours or combustible residues are present.

Spark-resistant tools must be maintained with special care. Frequent cleaning/re-dressing to remove ferrous particles or contaminants, which may impair the spark-resistant properties, is essential.

Safe for use in high risk hazardous locations, Ideal for chemical, pharmaceutical, power, oil and gas and fire rescue.

For gases, vapours and mists the zone classifications are:

Zone 0 Be-Cu — An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is present frequently, continuously or for long periods.

Zone 1 Be-Cu Al-Br — An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.

Zone 2 Be-Cu Al-Br — An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

For dusts the zone classifications are:

Zone 20 Be-Cu — An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.

Zone 21 Be-Cu Al-Br — An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.

Zone 22 Be-Cu Al-Br — An atmosphere where a cloud of combustible dust in the air is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

Al-Br Aluminium Bronze are manufactured to 20-30HRC and offer a breaking strain of **782 N/m - 989 N/m.**

Be-Cu Beryllium Copper are manufactured to 30-40HRC and offer a breaking strain of **1117 N/m - 1236 N/m.**

Screwdrivers



Al-Br

Aluminium Bronze

Tip Type	Tip Size	Blade Length	Weight each	Order Code KEN-575
CROSSPOINT	No.1	75	55g	-4520K
	No.2	100	60g	-4540K
	No.3	150	100g	-4560K
	No.4	200	120g	-4580K
PARALLEL	6.0mm	100	60g	-4020K
	6.0mm	150	80g	-4040K
	7.5mm	200	120g	-4060K
	9.0mm	250	180g	-4080K
	9.0mm	300	200g	-4100K

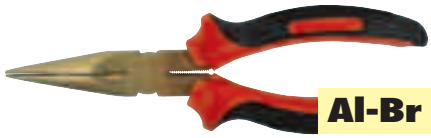
Be-Cu

Beryllium Copper

Tip Type	Tip Size	Blade Length	Weight each	Order Code KEN-575
CROSSPOINT	No.1	75	55g	-4420K
	No.2	100	60g	-4440K
	No.3	150	100g	-4460K
	No.4	200	120g	-4480K
PARALLEL	6.0mm	100	60g	-3960K
	6.0mm	150	80g	-3970K
	7.5mm	200	120g	-3980K
	9.0mm	250	180g	-3990K
	9.0mm	300	200g	-4000K

Long Nose Pliers

With side cutter, serrated jaws and safety grips.



Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
200mm (8")	155g	-3880K

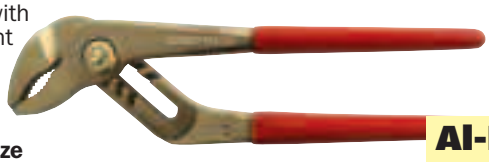
Be-Cu

Beryllium Copper

Overall Length	Weight each	Order Code KEN-575
200mm (8")	335g	-3870K

Groove Joint Pliers

Serrated jaws with sliding pivot joint which allows a wide range of jaw opening.



Al-Br

Aluminium Bronze

Overall Length	Maximum Capacity	Weight each	Order Code KEN-575
250mm	45mm	415g	-3900K

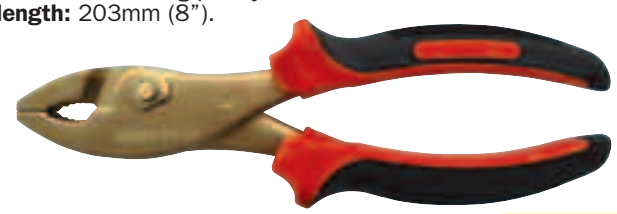
Be-Cu

Beryllium Copper

Overall Length	Maximum Capacity	Weight each	Order Code KEN-575
250mm	45mm	325g	-3890K

Adjustable Combination Pliers

Serrated teeth with sliding pivot joint.
Overall length: 203mm (8").



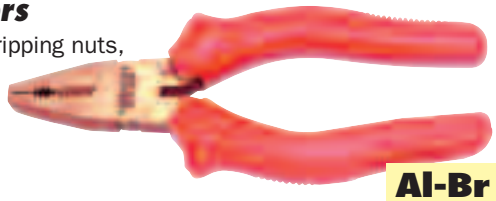
Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
200mm (8")	335g	-3940K

Linesman Pliers

Serrated jaws for gripping nuts, bolts, studs etc. with side cutter and slip guard safety handles.



Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
150mm (6")	165g	-3800K
180mm (7")	310g	-3810K
200mm (8")	370g	-3820K

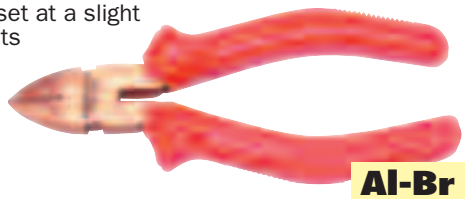
Be-Cu

Beryllium Copper

Overall Length	Weight each	Order Code KEN-575
150mm (6")	180g	-3420K
180mm (7")	355g	-3440K
200mm (8")	465g	-3460K

Diagonal Cutting Nippers

The cutting edge is offset at a slight angle to allow close cuts to a flat surface. Slip guard safety handles.



Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
150mm (6")	190g	-3850K
200mm (8")	285g	-3860K

Be-Cu

Beryllium Copper

Overall Length	Weight each	Order Code KEN-575
150mm (6")	245g	-3830K
200mm (8")	410g	-3840K

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KENNEDY PROFESSIONAL Open End Slogging Wrenches

With flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners.



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
24mm	165mm	275g	**-6400K**
27mm	175mm	350g	**-6410K**
30mm	185mm	470g	**-6420K**
32mm	195mm	535g	**-6430K**
36mm	210mm	780g	**-6440K**
41mm	225mm	965g	**-6450K**
46mm	240mm	1140g	**-6460K**
50mm	255mm	1445g	**-6470K**
55mm	270mm	1705g	**-6480K**
60mm	285mm	2015g	**-6490K**
65mm	305mm	3060g	**-6500K**
70mm	325mm	3620g	**-6510K**
75mm	345mm	3905g	**-6520K**

Be-Cu

Beryllium Copper

Size	Overall Length	Weight each	Order Code KEN-575
24mm	165mm	245g	**-6360K**
27mm	175mm	335g	**-6362K**
30mm	185mm	435g	**-6364K**
36mm	210mm	800g	**-6368K**
41mm	225mm	955g	**-6370K**
46mm	240mm	1225g	**-6372K**
50mm	255mm	1560g	**-6374K**
55mm	270mm	1850g	**-6376K**
60mm	285mm	2190g	**-6378K**
65mm	305mm	3060g	**-6380K**
70mm	325mm	4030g	**-6382K**

Single Open End Spanners



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
10mm	103mm		**-5020K**
14mm	125mm		**-5040K**
17mm	143mm		**-5060K**
19mm	157mm		**-5080K**
24mm	195mm		**-5100K**
27mm	221mm		**-5120K**
30mm	258mm		**-5140K**
32mm	272mm		**-5160K**
36mm	300mm		**-5180K**

Be-Cu

Beryllium Copper

Size	Overall Length	Weight each	Order Code KEN-575
27mm	221mm	285g	**-4720K**
30mm	258mm	320g	**-4740K**



For Industrial Spanners see Group 582

Ring End Slogging Wrenches

With flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners.



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
24mm	140mm	250g	**-6600K**
27mm	150mm	350g	**-6610K**
30mm	165mm	460g	**-6620K**
32mm	180mm	610g	**-6630K**
36mm	210mm	780g	**-6640K**
41mm	225mm	985g	**-6650K**
46mm	245mm	1275g	**-6660K**
50mm	255mm	1545g	**-6670K**
55mm	265mm	1720g	**-6680K**
60mm	275mm	2080g	**-6690K**
65mm	290mm	2440g	**-6700K**
70mm	300mm	2735g	**-6710K**
75mm	315mm	3190g	**-6720K**
80mm	342mm	3320g	**-6725K**

Be-Cu

Beryllium Copper

Size	Overall Length	Weight each	Order Code KEN-575
24mm	140mm	235g	**-6800K**
27mm	150mm	350g	**-6810K**
30mm	165mm	475g	**-6820K**
32mm	180mm	490g	**-6825K**
36mm	210mm	580g	**-6830K**
41mm	225mm	755g	**-6840K**
46mm	245mm	990g	**-6850K**
50mm	255mm	1145g	**-6860K**
55mm	265mm	1440g	**-6870K**
60mm	275mm	1620g	**-6880K**
65mm	290mm	1995g	**-6890K**

Combination Spanners



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
8mm	125mm	40g	**-6020K**
10mm	138mm	59g	**-6040K**
11mm	141mm	65g	**-6060K**
12mm	146mm	78g	**-6080K**
13mm	156mm	89g	**-6100K**
14mm	168mm	98g	**-6120K**
15mm	176mm	100g	**-6140K**
16mm	185mm	130g	**-6160K**
17mm	197mm	148g	**-6180K**
18mm	205mm	168g	**-6200K**
19mm	216mm	190g	**-6220K**
21mm	235mm	235g	**-6240K**
22mm	248mm	260g	**-6260K**
24mm	268mm	335g	**-6280K**
27mm	288mm	444g	**-6300K**
32mm	330mm	703g	**-6320K**
36mm	345mm	1002g	**-6340K**

Be-Cu

Beryllium Copper

Size	Overall Length	Weight each	Order Code KEN-575
8mm	125mm	37g	**-5620K**
10mm	138mm	55g	**-5640K**
11mm	141mm	75g	**-5660K**
12mm	146mm	75g	**-5680K**
13mm	156mm	122g	**-5700K**
14mm	168mm	122g	**-5720K**
15mm	176mm	160g	**-5740K**
16mm	185mm	160g	**-5760K**
17mm	197mm	160g	**-5780K**
18mm	205mm	210g	**-5800K**
19mm	216mm	210g	**-5820K**
21mm	235mm	225g	**-5840K**
22mm	248mm	250g	**-5860K**
24mm	268mm	260g	**-5880K**
27mm	288mm	420g	**-5900K**
32mm	330mm	670g	**-5920K**
36mm	345mm	890g	**-5940K**

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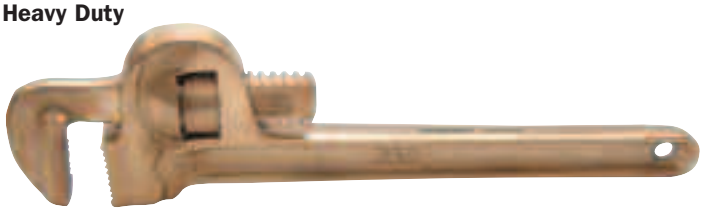
KENNEDY PROFESSIONAL Pipe Wrenches

Serrated jaws with knurled adjusting nut.

Heavy Duty



Aluminium Bronze — Al-Br

Overall Length	Jaw Capacity	Weight each	Order Code KEN-575
250mm	30mm	0.80kg	**-3580K**
300mm	40mm	1.20kg	**-3600K**
350mm	50mm	1.55kg	**-3620K**
450mm	60mm	2.45kg	**-3640K**
600mm	75mm	3.65kg	**-3660K**

Beryllium Copper — Be-Cu

Overall Length	Jaw Capacity	Weight each	Order Code KEN-575
250mm	30mm	0.73kg	**-3700K**
300mm	40mm	1.05kg	**-3720K**
350mm	50mm	1.31kg	**-3740K**
450mm	60mm	2.25kg	**-3760K**
600mm	75mm	3.46kg	**-3780K**

Adjustable Wrenches

Smooth jaw adjustment with self-locking design which prevents the jaws opening unintentionally under load.



Aluminium Bronze — Al-Br

Overall Length	Opening Capacity	Weight each	Order Code KEN-575
150mm	18mm	120g	**-1060K**
200mm	24mm	255g	**-1080K**
250mm	30mm	410g	**-1100K**
300mm	36mm	655g	**-1120K**

Beryllium Copper — Be-Cu

Overall Length	Opening Capacity	Weight each	Order Code KEN-575
150mm	18mm	135g	**-0860K**
200mm	24mm	281g	**-0880K**
250mm	30mm	440g	**-0900K**
300mm	36mm	720g	**-0920K**

Sliding T-Handles

The sliding bar gives many options for leverage within a given space. Fitted with a spring-loaded ball bearing socket retainer.

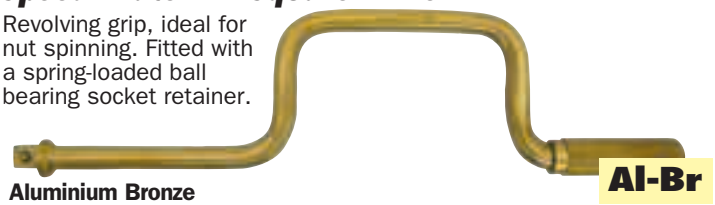


Aluminium Bronze — Al-Br

Square Drive	Overall Length	Weight each	Order Code KEN-575
1/2"	250mm	310g	**-7020K**
3/4"	400mm	980g	**-8020K**

Speed Brace 1/2" Square Drive

Revolving grip, ideal for nut spinning. Fitted with a spring-loaded ball bearing socket retainer.



Aluminium Bronze — Al-Br

Overall Length	Weight each	Order Code KEN-575
400mm	700g	**-7080K**

Sledge Hammers

Spark-resistant sledge hammers with wooden handles.



Aluminium Bronze — Al-Br

Head Size	Length Capacity	Weight each	Order Code KEN-575
1.0kg	400mm (16")	1.30kg	**-3200K**
2.5kg	900mm (35")	3.41kg	**-3240K**
3.0kg	900mm (35")	3.91kg	**-3260K**
8.0kg	900mm (35")	8.91kg	**-3300K**

Ball Pein Hammers

For use with cold chisels, punches, rivets and for shaping metal. Fine grain hardwood shaft.



Aluminium Bronze — Al-Br

Head Weight	Overall Length (mm)	Weight each	Order Code KEN-575
1lb	310	680g	**-3020K**
1 1/2lb	340	950g	**-3040K**
2lb	350	1205g	**-3060K**

Beryllium Copper — Be-Cu

Head Weight	Overall Length (mm)	Weight each	Order Code KEN-575
1lb	310	680g	**-2920K**
1 1/2lb	340	950g	**-2930K**
2lb	350	1205g	**-2940K**

Ratchet Handle

Disc type adjustment with knurled grip and spring loaded ball bearing socket retainer.



Aluminium Bronze — Al-Br

Square Drive	Overall Length	Weight each	Order Code KEN-575
1/2"	245mm	615g	**-7000K**
3/4"	320mm	1430g	**-8000K**

Beryllium Copper — Be-Cu

Square Drive	Overall Length	Weight each	Order Code KEN-575
1/2"	245mm	690g	**-6960K**

1/2" Square Drive Swivel Handle

The hinged link allows operation at varied angles to aid access in restricted areas. Fitted with a spring loaded ball bearing socket retainer.



Aluminium Bronze — Al-Br

Overall Length	Weight each	Order Code KEN-575
250mm	310g	**-7100K**

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KENNEDY PROFESSIONAL Safety Extensions

Fitted with a spring-loaded ball bearing socket retainer.



Aluminium Bronze Al-Br

Square Drive	Overall Length	Weight each	Order Code KEN-575
½"	125mm	230g	-7040K
½"	250mm	455g	-7060K
¾"	200mm	870g	-8040K

Sockets

12 point bi-hexagon.



Aluminium Bronze Al-Br

Size	Overall Length	Weight each	Order Code KEN-575
		½" Drive	
10mm	40mm	71g	-7220K
11mm	40mm	72g	-7200K
12mm	40mm	72g	-7230K
13mm	40mm	73g	-7240K
14mm	40mm	73g	-7260K
17mm	40mm	80g	-7280K
19mm	42mm	100g	-7300K
21mm	43mm	125g	-7320K
22mm	43mm	130g	-7330K
24mm	43mm	170g	-7340K
27mm	43mm	215g	-7380K
30mm	46mm	260g	-7400K
32mm	46mm	290g	-7420K
		¾" Drive	
21mm	55mm	245g	-8220K
24mm	55mm	280g	-8240K
27mm	55mm	285g	-8260K
30mm	60mm	370g	-8280K
32mm	60mm	410g	-8300K
34mm	60mm	440g	-8320K
36mm	60mm	465g	-8340K
38mm	60mm	510g	-8360K
41mm	65mm	640g	-8380K
46mm	65mm	705g	-8400K
50mm	70mm	840g	-8420K

Impact Sockets

12-point, for additional torque grip.



Aluminium Bronze Al-Br

Size	Overall Length	Weight each	Order Code KEN-575
		¾" Drive	
27mm	55mm	360g	-8530K
36mm	60mm	565g	-8560K
40mm	65mm	765g	-8580K
50mm	70mm	1003g	-8590K
		1" Drive	
24mm	60mm	663g	-8820K
27mm	60mm	672g	-8830K
29mm	60mm	690g	-8840K
34mm	70mm	772g	-8870K
35mm	70mm	825g	-8880K
36mm	70mm	835g	-8890K
38mm	70mm	855g	-8900K

Universal Joint ½" Square Drive

Hinged through 180° in both directions for operation at varying angles.
Fitted with a spring-loaded ball bearing socket retainer.



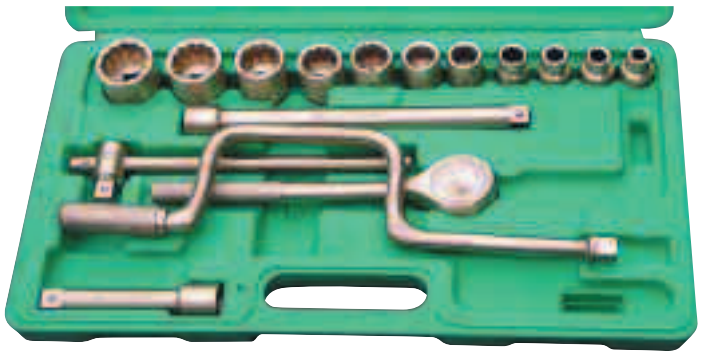
Aluminium Bronze Al-Br

Overall Length	Weight each	Order Code KEN-575
50mm	170g	-7120K

Socket Set ½" Square Drive

Sockets: 10, 11, 12, 14, 17, 19, 22, 24, 27, 30 and 32mm.

Accessories: 250mm ratchet wrench, 250mm sliding T-handle, 400mm speed brace, 125 and 250mm socket extensions.



Aluminium Bronze Al-Br

Number of Pieces	Weight each	Order Code KEN-575
16	4.50kg	-7500K

Beryllium Copper Be-Cu

Number of Pieces	Weight each	Order Code KEN-575
16	6.73kg	-7460K

Socket Set ¾" Square Drive

Sockets: 21, 24, 27, 30, 32, 34, 36, 38, 41, 46 and 50mm.

Accessories: 320mm ratchet wrench, 400mm sliding T-handle, 200mm socket extension.



Aluminium Bronze Al-Br

Number of Pieces	Weight each	Order Code KEN-575
14	9.10kg	-8500K

Beryllium Copper Be-Cu

Number of Pieces	Weight each	Order Code KEN-575
14	13.24kg	-8460K

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KENNEDY PROFESSIONAL Square Shovel

Spark resistant shovel with square mouth, polypropylene 'YD' handle and wooden shaft.

Blade size: 235 x 185mm.
Overall length: 950mm.



Al-Br

Aluminium Bronze

Head Size	Overall Length	Weight each	Order Code KEN-575
235 x 185mm	950mm (37")	1.80kg	**-9240K**

Wrecking Bars

For general dismantling and stripping applications. V-notch for use on nails.



Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
400mm	685g	**-2520K**

Be-Cu

Beryllium Copper

Overall Length	Weight each	Order Code KEN-575
400mm	752g	**-2400K**

Drift Punches

Tapered punch, used for the purpose of aligning holes between two structural members so that they can be fastened or bolted together.



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
3mm	160mm (6")	290g	**-1600K**

Be-Cu

Beryllium Copper

Size	Overall Length	Weight each	Order Code KEN-575
3mm	160mm (6")	280g	**-1560K**

Putty Knives

With a chisel point and bi-material handle.



Al-Br

Aluminium Bronze

Blade Length	Blade Width	Overall Length	Order Code KEN-575
100mm (4")	25mm (1")	200mm (8")	**-2740K**

Be-Cu

Beryllium Copper

Blade Length	Blade Width	Overall Length	Order Code KEN-575
100mm (4")	25mm (1")	200mm (8")	**-2760K**

Scrapers



Al-Br

Aluminium Bronze

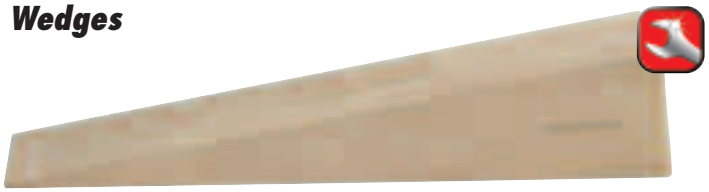
Blade Length	Blade Width	Overall Length	Order Code KEN-575
95mm (3¾")	75mm (3")	200mm (8")	**-2860K**

Be-Cu

Beryllium Copper

Blade Length	Blade Width	Overall Length	Order Code KEN-575
95mm (3¾")	75mm (3")	200mm (8")	**-2880K**

Wedges



Al-Br

Aluminium Bronze

Dimensions	Weight each	Order Code KEN-575
80 x 13 x 6mm	25g	**-0500K**
135 x 50 x 18mm	497g	**-0510K**
150 x 25 x 13mm	205g	**-0520K**
180 x 32 x 13mm	305g	**-0540K**
180 x 50 x 19mm	700g	**-0560K**
200 x 50 x 13mm	500g	**-0580K**
200 x 30 x 30mm	1315g	**-0600K**
200 x 40 x 40mm	1200g	**-0620K**

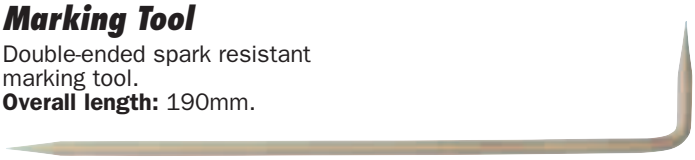
Be-Cu

Beryllium Copper

Dimensions	Weight each	Order Code KEN-575
80 x 13 x 6mm	25g	**-0320K**
135 x 50 x 18mm	497g	**-0340K**
150 x 25 x 13mm	205g	**-0360K**
180 x 32 x 13mm	305g	**-0380K**
180 x 50 x 19mm	700g	**-0400K**
200 x 50 x 13mm	540g	**-0420K**
200 x 30 x 30mm	740g	**-0440K**
200 x 40 x 40mm	1315g	**-0460K**

Marking Tool

Double-ended spark resistant marking tool.
Overall length: 190mm.



Al-Br

Aluminium Bronze

Overall Length	Weight each	Order Code KEN-575
190mm (7½")	20g	**-1800K**

Chisel Cross

4-point spark resistant chisel with 20mm wide hexagon shaft.
Length: 200mm.



Al-Br

Aluminium Bronze

Size	Overall Length	Weight each	Order Code KEN-575
7mm	200mm (8")	290g	**-2300K**

Flat Cold Chisels



Al-Br

Aluminium Bronze

Size (mm)	Overall Length (mm)	Weight each	Order Code KEN-575
14	160	160g	**-2020K**
16	160	210g	**-2040K**
18	200	345g	**-2060K**
20	200	430g	**-2080K**
20	300	645g	**-2100K**
25	240	800g	**-2120K**
25	300	1000g	**-2140K**
25	400	1360g	**-2160K**

Be-Cu

Beryllium Copper

Size (mm)	Overall Length (mm)	Weight each	Order Code KEN-575
14	160	175g	**-1860K**
16	160	231g	**-1880K**
18	200	382g	**-1900K**
20	200	473g	**-1920K**
20	300	710g	**-1940K**
25	240	1042g	**-1960K**

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KENNEDY Open Jaw Spanners

Made from forged and hardened steel. Black oxidised finish. Conform to **DIN 894**.

Single-Ended



Size (mm)	Overall Length	Weight each	Order Code KEN-580
6	77	10g	**-1060K**
7	78	10g	**-1070K**
8	95	20g	**-1080K**
9	100	20g	**-1090K**
10	105	25g	**-1100K**
11	125	34g	**-1110K**
12	125	36g	**-1120K**
13	135	44g	**-1130K**
14	140	52g	**-1140K**
15	140	49g	**-1150K**
17	160	57g	**-1170K**
18	160	65g	**-1180K**
19	170	86g	**-1190K**
22	195	118g	**-1220K**
24	205	145g	**-1240K**
27	235	225g	**-1270K**
30	260	285g	**-1300K**
32	265	330g	**-1320K**
36	300	428g	**-1360K**
38	300	424g	**-1380K**
41	345	545g	**-1410K**
46	375	800g	**-1460K**
50	410	980g	**-1500K**
55	455	1260g	**-1550K**
60	490	1650g	**-1600K**
65	575	1895g	**-1650K**
70	570	2340g	**-1700K**
75	610	2610g	**-1750K**
80	645	3330g	**-1800K**
85	690	3490g	**-1850K**
90	850	3455g	**-1900K**
95	900	3500g	**-1950K**

Double-Ended
Conform to **DIN 895**.



Size (mm)	Overall Length	Weight each	Order Code KEN-580
6x7	95	12g	**-3060K**
7x8	108	20g	**-3080K**
8x9	117	28g	**-3100K**
8x10	115	28g	**-3140K**
9x11	122	28g	**-3180K**
10x11	122	31g	**-3200K**
10x13	123	45g	**-3240K**
11x13	140	54g	**-3280K**
12x13	140	50g	**-3300K**
12x14	142	55g	**-3320K**
13x14	142	53g	**-3340K**
13x15	160	69g	**-3360K**
13x17	160	74g	**-3380K**
14x15	160	74g	**-3420K**
14x17	160	70g	**-3460K**
16x18	170	104g	**-3540K**
17x19	170	99g	**-3580K**
17x 21	193	143g	**-3620K**
19x22	195	119g	**-3700K**
19x24	205	191g	**-3740K**
22x24	220	216g	**-3820K**
24x27	244	257g	**-3900K**
24x30	265	283g	**-4000K**
30x32	273	450g	**-4100K**
30x36	305	528g	**-4150K**
32x36	305	534g	**-4200K**
36x41	340	705g	**-4250K**
41x46	380	985g	**-4300K**
46x50	420	1170g	**-4350K**
50x55	460	1530g	**-4400K**
55x60	500	1645g	**-4500K**

Reversible Ratchet Podger Spanners

Chrome vanadium steel. Suitable for heavy-duty construction applications. Ratchet action for use in confined spaces. Reversible head has two internal bi-hexagon sizes. Podger wrenches have tapered handle for alignment of fixing holes on jigs and fabrications.



Size	Order Code KEN-580
13 & 17mm	**-8430K**
17 & 19mm	**-8450K**
19 & 24mm	**-8460K**
24 & 27mm	**-8470K**
27 & 30mm	**-8480K**
30 & 32mm	**-8490K**

Open End Podger Spanners

Designed to engage the nut from the side. As it only engages on two faces of the fastener, care must be taken to ensure that the correct size spanner is always used. Tapered handle for assisting with alignment of fixing holes on jigs and fabrications.



Size	Overall Length	Order Code KEN-580
17mm	220	**-8510K**
19mm	240	**-8520K**
24mm	280	**-8530K**
27mm	300	**-8540K**
30mm	320	**-8550K**
32mm	340	**-8560K**
36mm	355	**-8570K**
46mm	390	**-8590K**

Ring End Podger Spanners

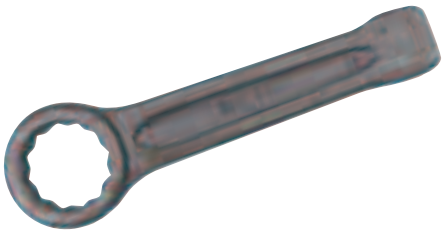
Cranked handle assists with location of spanner on to fixings within a recess.



Size	Overall Length	Order Code KEN-580
17mm	275	**-8710K**
19mm	305	**-8720K**
24mm	345	**-8730K**
27mm	365	**-8740K**
30mm	400	**-8750K**
32mm	425	**-8760K**
36mm	460	**-8770K**
46mm	505	**-8790K**

Ring Slogging Spanners

Manufactured from forged and hardened steel with machined drive faces to ensure good contact with the fastener.
With flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners.
Manufactured to **DIN 7444**.



Size (mm)	Overall Length	Weight each	Order Code KEN-580
		Metric	
24	165	0.40kg	**-7010K**
27	180	0.40kg	**-7020K**
30	190	0.50kg	**-7030K**
32	190	0.50kg	**-7040K**
36	205	0.50kg	**-7050K**
41	230	0.80kg	**-7060K**
46	240	1.00kg	**-7070K**
50	225	1.10kg	**-7080K**
55	270	1.50kg	**-7090K**
60	280	1.80kg	**-7100K**
65	300	2.20kg	**-7110K**
70	330	3.30kg	**-7120K**
75	330	3.30kg	**-7130K**
80	360	4.00kg	**-7140K**
85	360	4.00kg	**-7150K**
90	390	5.50kg	**-7160K**
95	420	5.30kg	**-7170K**
100	420	6.50kg	**-7180K**
105	420	6.50kg	**-7190K**
110	450	8.00kg	**-7200K**
115	450	7.80kg	**-7210K**
120	480	10.0kg	**-7220K**
125	480	9.70kg	**-7230K**
130	520	13.2kg	**-7240K**
135	520	13.0kg	**-7250K**
140	520	18.5kg	**-7260K**
145	580	18.5kg	**-7270K**
150	580	18.2kg	**-7280K**
		Inch	
1 1/16"	180	0.40kg	**-7500K**
1 1/8"	180	0.40kg	**-7510K**
1 3/16"	190	0.50kg	**-7520K**
1 1/4"	190	0.50kg	**-7530K**
1 5/16"	190	0.50kg	**-7540K**
1 3/8"	205	0.50kg	**-7550K**
1 7/16"	205	0.50kg	**-7560K**
1 1/2"	205	0.50kg	**-7570K**
1 9/16"	230	0.80kg	**-7580K**
1 5/8"	230	0.80kg	**-7590K**
1 11/16"	230	0.80kg	**-7600K**
1 3/4"	240	1.00kg	**-7610K**
1 13/16"	240	1.00kg	**-7620K**
1 7/8"	240	1.00kg	**-7630K**
1 15/16"	225	1.10kg	**-7640K**
2"	225	1.10kg	**-7650K**
2 1/16"	225	1.10kg	**-7660K**
2 1/8"	270	1.50kg	**-7670K**
2 3/16"	270	1.50kg	**-7680K**
2 1/4"	270	1.50kg	**-7690K**
2 5/16"	280	1.80kg	**-7700K**
2 3/8"	280	1.80kg	**-7710K**
2 7/16"	280	1.80kg	**-7720K**
2 1/2"	300	2.20kg	**-7730K**
2 9/16"	300	2.20kg	**-7740K**
2 5/8"	300	2.20kg	**-7750K**
2 3/4"	330	3.30kg	**-7760K**
2 13/16"	330	3.30kg	**-7770K**
2 7/8"	330	3.30kg	**-7780K**
2 15/16"	330	3.30kg	**-7790K**
3"	330	3.30kg	**-7800K**
3 1/8"	360	4.50kg	**-7810K**
3 1/4"	360	4.50kg	**-7820K**
3 1/2"	390	5.50kg	**-7840K**
3 5/8"	420	5.30kg	**-7850K**
3 7/8"	420	6.50kg	**-7870K**
4 1/4"	450	8.00kg	**-7900K**
4 5/8"	450	7.80kg	**-7920K**

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KENNEDY
QUALITY INDUSTRIAL TOOLING

Open Jaw Slogging Spanners

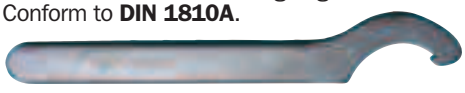
Forged and hardened steel. Flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners. To **DIN 133**.



Size (mm)	Overall Length	Weight each	Order Code KEN-580
Metric			
24	180	0.40kg	**-6010K**
27	180	0.40kg	**-6020K**
30	190	0.50kg	**-6030K**
32	190	0.50kg	**-6040K**
36	215	0.50kg	**-6050K**
41	235	0.90kg	**-6060K**
46	225	1.20kg	**-6070K**
50	275	1.20kg	**-6080K**
55	300	1.90kg	**-6090K**
60	320	2.60kg	**-6100K**
65	340	3.40kg	**-6110K**
70	375	4.40kg	**-6120K**
75	375	4.40kg	**-6130K**
80	410	6.30kg	**-6140K**
85	410	6.30kg	**-6150K**
90	445	7.30kg	**-6160K**
95	445	7.30kg	**-6170K**
100	485	12.2kg	**-6180K**
105	485	12.2kg	**-6190K**
110	510	13.5kg	**-6200K**
115	510	13.5kg	**-6210K**
Inch (AF Sizes)			
1 1/16"	180	0.40kg	**-6500K**
1 1/8"	180	0.40kg	**-6510K**
1 3/16"	190	0.40kg	**-6520K**
1 1/4"	190	0.50kg	**-6530K**
1 5/16"	215	0.50kg	**-6540K**
1 3/8"	215	0.50kg	**-6550K**
1 7/16"	215	0.55kg	**-6560K**
1 1/2"	235	0.55kg	**-6570K**
1 9/16"	235	0.55kg	**-6580K**
1 5/8"	235	0.90kg	**-6590K**
1 11/16"	255	0.90kg	**-6600K**
1 3/4"	225	0.90kg	**-6610K**
1 13/16"	225	1.20kg	**-6620K**
1 7/8"	225	1.20kg	**-6630K**
1 15/16"	275	1.50kg	**-6640K**
2"	275	1.50kg	**-6650K**
2 1/16"	275	1.50kg	**-6660K**
2 1/8"	300	1.70kg	**-6670K**
2 3/16"	300	1.90kg	**-6680K**
2 1/4"	300	1.90kg	**-6690K**
2 5/16"	320	2.60kg	**-6700K**
2 3/8"	320	2.60kg	**-6710K**
2 7/16"	320	2.60kg	**-6720K**
2 1/2"	340	3.40kg	**-6730K**
2 9/16"	340	3.40kg	**-6740K**
2 5/8"	340	3.40kg	**-6750K**
2 3/4"	375	4.40kg	**-6760K**
2 13/16"	375	4.40kg	**-6770K**
2 7/8"	375	4.40kg	**-6780K**
2 15/16"	375	4.40kg	**-6790K**
3"	375	4.40kg	**-6800K**
3 1/8"	410	6.30kg	**-6810K**
3 1/2"	445	7.30kg	**-6840K**
3 5/8"	445	7.30kg	**-6850K**
3 7/8"	485	12.20kg	**-6870K**
4 1/4"	510	13.50kg	**-6900K**

JC-Hook Spanners

Chrome vanadium steel. Specifically designed for use with slotted retaining rings. Conform to **DIN 1810A**.



Range (mm)	Overall Length	Weight each	Order Code KEN-580
16/20	108	20g	**-5160K**
25/28	135	45g	**-5250K**
34/36	170	90g	**-5340K**
40/42	170	95g	**-5400K**
45/50	205	160g	**-5450K**
52/55	205	165g	**-5520K**
58/62	240	270g	**-5580K**
68/75	240	270g	**-5680K**
80/90	280	410g	**-5800K**

Scaffolding Tools

Manufactured to surpass the performance test **BS2558: 1954**. The sockets locate directly onto the handle relieving stress on the rivet. All sockets are plated, hardened and stress relieved to ensure they retain their shape.

Double Ended Swing Over Spanner

Swingover handle spanner with a 7/16" Whitworth socket end and 1/2" socket end for use on fixings. Suitable for use with all popular scaffold fixings used in the UK.

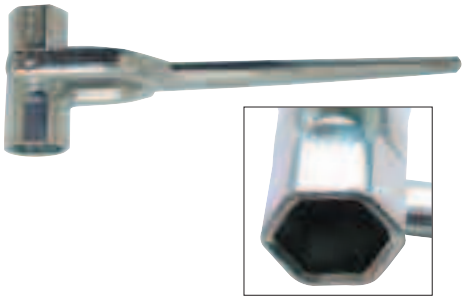


Overall length: 320mm.
Bar diameter: 15mm.
Socket size: 7/16"W x 1/2"W.

Socket Size	Weight each	Order Code KEN-580
7/16"W x 1/2"W	545g	**-9040K**

Spinner Head Spanner

The handle is produced from a one piece drop forging with a 7/16" and 1/2" Whitworth double ended socket for use on fixings. Features a taper podger end used to line up holes and manipulate fixings. Rotating socket offers a single tool for two fastener sizes.

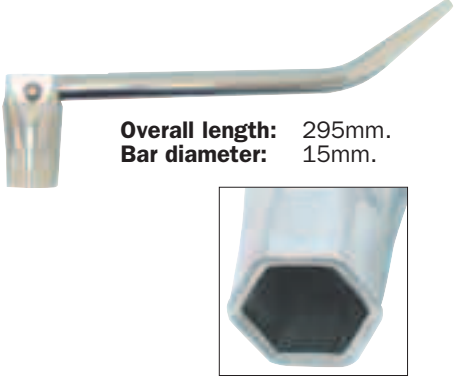


Overall length: 245mm.
Socket size: 7/16"W x 1/2"W.

Socket Size	Weight each	Order Code KEN-580
7/16"W x 1/2"W	490g	**-9080K**

Combination Podger Spanner

Swingover handle spanner with a 7/16" Whitworth socket end for use on fixings. Features a cranked taper square podger end for use on eyebolt and jacking collars.



Overall length: 295mm.
Bar diameter: 15mm.

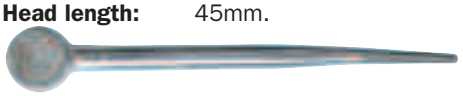
Socket Size	Weight each	Order Code KEN-580
7/16"W	430g	**-9060K**

Podger Hammer

Manufactured from a one piece forging. Features a hammer end and cranked round taper podger end used to line up holes and manipulate fixings.



Overall length: 275mm.
Bar diameter: 15mm.
Head diameter: 35mm.
Head length: 45mm.



Head Diameter	Weight each	Order Code KEN-580
35mm	660g	**-9100K**

Scaffold Key

Manufactured with a hook end and cranked taper square podger end for aligning and tightening eyebolts, jacking collars and loop fixings, both ends are hardened and tempered to improve tool life.



Overall length: 305mm.
Bar diameter: 15mm.
Head width: 20mm.



Head Width	Weight each	Order Code KEN-580
20mm	460g	**-9070K**

Single Ended Swing Over Spanners

Single ended swingover handle spanners. Available in 7/16" or 1/2" Whitworth socket end size for use on fixings.



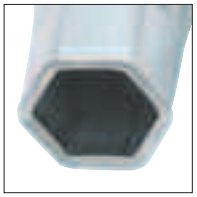
Standard



Heavy Duty



Chunky



Size	Bar Dia.	Type	Order Code KEN-580
7/16"	15mm	Standard	**-9020K**
7/16"	15mm	Heavy Duty	**-9010K**
7/16"	15mm	Chunky	**-9050K**
1/2"	20mm	Standard	**-9030K**

HAND TOOLS

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KENNEDY 16mm Spigot End Fittings

Open End

NEW

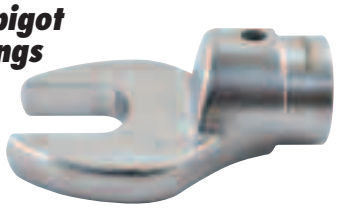


Size	Weight each	Order Code KEN-581
16mm Bore - Metric		
8mm	100g	**-2810K**
10mm	110g	**-2820K**
11mm	110g	**-2830K**
12mm	110g	**-2840K**
13mm	110g	**-2850K**
14mm	120g	**-2860K**
15mm	120g	**-2870K**
16mm	140g	**-2880K**
17mm	140g	**-2890K**
18mm	140g	**-2900K**
19mm	160g	**-2910K**
20mm	160g	**-2920K**
21mm	160g	**-2930K**
22mm	220g	**-2940K**
23mm	220g	**-2950K**
24mm	220g	**-2960K**
25mm	220g	**-2970K**
26mm	220g	**-2980K**
27mm	240g	**-2990K**
30mm	240g	**-3000K**
32mm	240g	**-3010K**
16mm Bore AF (Inch)		
3/8"	100g	**-3500K**
7/16"	110g	**-3510K**
1/2"	120g	**-3520K**
9/16"	120g	**-3530K**
5/8"	140g	**-3540K**
11/16"	140g	**-3550K**
3/4"	160g	**-3560K**
13/16"	220g	**-3570K**
7/8"	220g	**-3580K**
15/16"	220g	**-3590K**
1"	220g	**-3600K**
1 1/16"	240g	**-3610K**
1 1/8"	240g	**-3620K**
1 3/16"	240g	**-3630K**
1 1/4"	240g	**-3640K**

22mm Spigot End Fittings

Open End

NEW

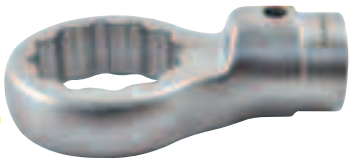


Size	Weight each	Order Code KEN-581
22mm Bore - Metric		
30mm	360g	**-4000K**
32mm	370g	**-4010K**
36mm	390g	**-4020K**
41mm	530g	**-4030K**
46mm	530g	**-4040K**

22mm Spigot End Fittings

Ring End

NEW



Size	Weight each	Order Code KEN-581
22mm Bore - Metric		
22mm	310g	**-5000K**
24mm	320g	**-5010K**
27mm	330g	**-5020K**
30mm	350g	**-5030K**
32mm	440g	**-5040K**
36mm	400g	**-5050K**
41mm	560g	**-5060K**
46mm	490g	**-5070K**

16mm Spigot End Fittings

Ring End

NEW



Size	Weight each	Order Code KEN-581
16mm Bore - Metric		
8mm	100g	**-4300K**
10mm	100g	**-4310K**
11mm	100g	**-4320K**
12mm	100g	**-4330K**
13mm	110g	**-4340K**
14mm	110g	**-4350K**
15mm	120g	**-4360K**
16mm	120g	**-4370K**
17mm	120g	**-4380K**
18mm	120g	**-4390K**
19mm	130g	**-4400K**
21mm	130g	**-4410K**
22mm	170g	**-4420K**
24mm	160g	**-4430K**
27mm	150g	**-4440K**
16mm Bore AF (Inch)		
3/8"	100g	**-4450K**
1/2"	100g	**-4460K**
9/16"	100g	**-4470K**

Flare End

NEW



Size	Weight each	Order Code KEN-581
16mm Bore - Metric		
10mm	100g	**-5200K**
11mm	100g	**-5210K**
13mm	110g	**-5220K**
14mm	110g	**-5230K**
16mm	120g	**-5240K**
17mm	110g	**-5250K**
18mm	120g	**-5260K**
19mm	120g	**-5270K**
21mm	120g	**-5280K**
22mm	120g	**-5290K**
24mm	120g	**-5300K**
27mm	130g	**-5310K**

16mm Spigot Drives

NEW



Reversible Ratchet Head

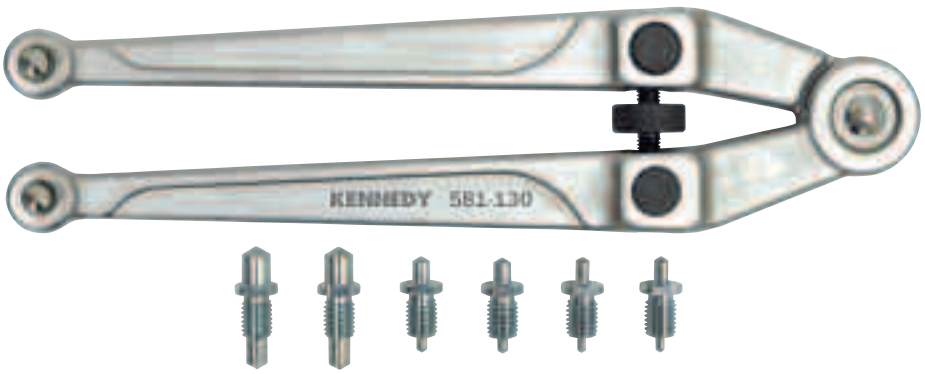


Push-Through Ratchet Head

Square Drive	Weight each	Order Code KEN-581
Reversible Ratchet Head		
3/8"	190g	**-5550K**
Push-Through Square Drive Head		
1/2"	290g	**-5900K**

Adjustable Pin Wrench

Forged in chrome vanadium steel, the wrench is adjusted by turning the centre screw. It can be used on nuts with bolts bored on the face and is supplied with 8 interchangeable pins which are double round ended for nuts with top holes.



Description	Capacity	Order Code KEN-581
Adjustable Pin Wrench	20-100mm	**-1300K**
Pins to Suit	2.5-4mm	**-1350K**
	6-8mm	**-1360K**
	3-5mm	**-1370K**
	7-9mm	**-1380K**

NEW



For Torque Wrenches see Group 555

HAND TOOLS

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KENNEDY Box Spanners

Manufactured from high quality steel tube. Zinc plated for corrosion resistance, each supplied with tommy bar.





Metric

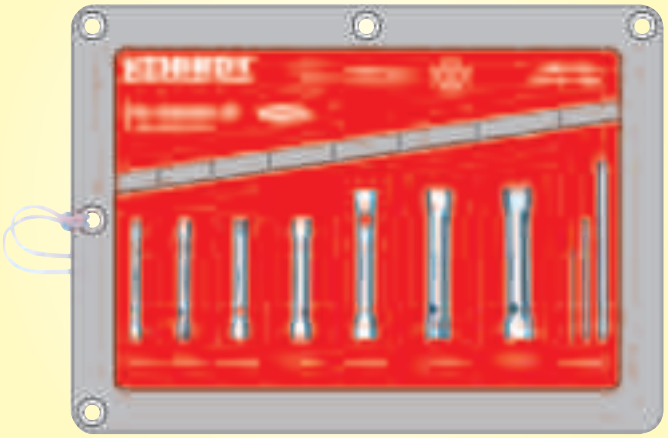
Size	Length (mm)	Weight each	Order Code KEN-581
6 x 7	102	40g	-1060K
8 x 9	105	60g	-1080K
10 x 11	103	70g	-1100K
12 x 13	102	80g	-1120K
14 x 15	125	140g	-1140K
16 x 17	127	175g	-1160K
18 x 19	130	190g	-1180K
20 x 21	127	190g	-1200K
22 x 23	150	415g	-1220K
24 x 25	150	420g	-1240K
26 x 27	150	425g	-1270K

AF

Size	Length (mm)	Weight each	Order Code KEN-581
1/4" x 5/16"	103	60g	-1530K
5/16" x 3/8"	100	60g	-1550K
3/8" x 7/16"	100	60g	-1560K
1/2" x 9/16"	125	145g	-1580K
9/16" x 5/8"	127	150g	-1600K
11/16" x 3/4"	125	185g	-1630K

Sets

7 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
6 Piece AF: 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 1/2" x 9/16", 9/16" x 5/8" and 11/16" x 3/4".
6 Piece BA: 0 x 1, 2 x 3, 4 x 5, 6 x 7, 8 x 9, 10BA.



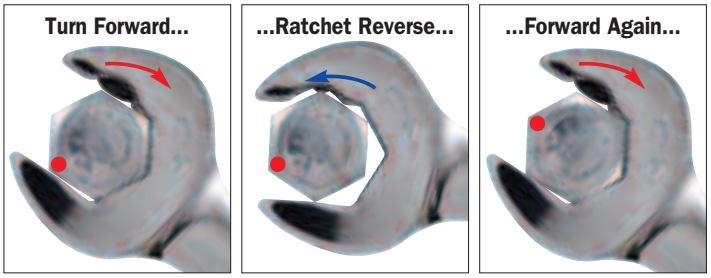
Number of Pieces	Weight each	Order Code KEN-581
7 Metric	600g	-1450K
6 Inch	475g	-1950K
6 BA	175g	-2350K

YAMOTO Double Ratchet Combination Spanners

Available in a range of sizes (8 - 19mm), these combination spanners are made of chrome vanadium steel and have an innovative ratcheting open-end design. The 72-teeth ratcheting system needs only 5° movement to operate ratchet and the spanners are ideal for use in confined spaces. The chrome plated mirror finish prevents oil and dirt from adhering to the tool, making for easier cleaning and preventing rust. Conform to **ASME B107.100-2010.**

NEW









Metric

Size (mm)	Overall Length	Weight each	Order Code YMT-582
8	140	36g	-0340K
9	150	50g	-0350K
10	160	57g	-0360K
11	165	64g	-0370K
12	170	76g	-0380K
13	180	101g	-0390K
14	190	119g	-0400K
15	200	125g	-0410K
16	205	170g	-0420K
17	230	188g	-0430K
18	235	200g	-0440K
19	250	228g	-0450K

Set

8 Piece Metric:
8, 10, 12, 13, 14, 15, 17 and 19mm.

NEW



Number of Pieces	Order Code YMT-582
8 Metric	-0490K

HAND TOOLS

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KENNEDY PROFESSIONAL Professional Ratchet Combination Spanners

Chrome vanadium steel with mirror polish finish, preventing oil and dirt from adhering to the spanner, making for easier cleaning and preventing rust. 72-teeth ratcheting system which needs only 5° movement to operate ratchet. Thin wall design for greater access. Conform to **ASME B107.6**.



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
8	135	38g	**-2158K**
10	155	65g	**-2160K**
11	160	75g	**-2162K**
12	172	85g	**-2164K**
13	180	95g	**-2166K**
14	190	115g	**-2168K**
15	200	135g	**-2170K**
16	215	155g	**-2172K**
17	230	200g	**-2174K**
18	240	210g	**-2175K**
19	245	235g	**-2176K**
21	285	350g	**-2177K**
22	285	340g	**-2178K**
24	325	475g	**-2179K**
25	325	480g	**-2252K**
26	325	465g	**-2253K**
27	355	600g	**-2254K**
28	360	600g	**-2255K**
30	420	918g	**-2257K**
32	425	880g	**-2259K**

AF

Size (AF)	Overall Length	Weight each	Order Code KEN-582
3/8"	160	60g	**-2144K**
7/16"	168	70g	**-2146K**
1/2"	179	90g	**-2148K**
9/16"	198	115g	**-2150K**
5/8"	214	150g	**-2152K**
11/16"	232	185g	**-2154K**
3/4"	250	225g	**-2156K**

Set

9 Piece Metric: 10, 11, 12, 13, 14, 15, 16, 17 and 19mm.

7 Piece AF: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".



Number of Pieces	Weight each	Order Code KEN-582
9 Metric	2560g	**-3990K**
7 AF	2150g	**-2230K**

Ratchet Combination Spanner Set with Sockets

RCS23M - 4 in 1: This wrench set for 10 to 19mm applications comprises open ended wrenches, ratchet ring wrenches, Go-Thru™ single hex ratchet wrenches and 1/4", 3/8" and 1/2" square drive ratchets. All are made from chrome vanadium and are fully plated with a mirror finish. Supplied in a heavy duty fitted metal storage case with locking lid and carry handle.



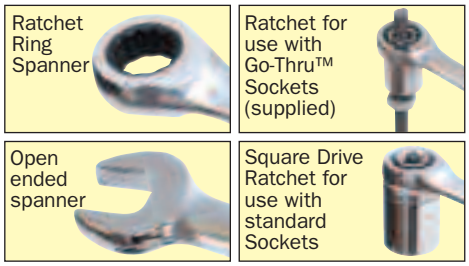
Ratchet Comination Spanner Set with Sockets

Number of Pieces	Weight each	Order Code KEN-582
23	3.00kg	**-3980K**

Square Drive Adaptors

Size	Order Code KEN-582
1/4" SD (x10mm hex)	**-4210K**
3/8" SD (x13mm hex)	**-5195K**
1/2" SD (x19mm hex)	**-6705K**

4-in-1 Spanner



Go-Thru™ Sockets

Size	Order Code KEN-582
10mm	**-3740K**
11mm	**-3741K**
12mm	**-3742K**
13mm	**-3743K**
14mm	**-3744K**
15mm	**-3745K**
16mm	**-3746K**
17mm	**-3747K**
18mm	**-3748K**
19mm	**-3749K**

HAND TOOLS

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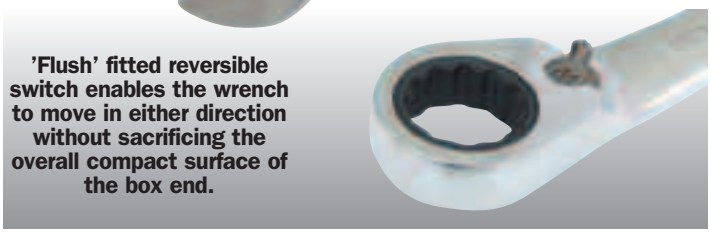
KENNEDY PROFESSIONAL *Professional Reversible Combination Spanners*

Bi-hexagonal 15° offset rings with a 72 teeth lever ratcheting system that requires only 5 degree movement to operate, making them ideal for use in tight areas. Made from high quality Chrome Vanadium Steel with mirror polish finish to prevent oil and dirt from adhering to the spanner. Conform to **ASME B107.6**.





'Flush' fitted reversible switch enables the wrench to move in either direction without sacrificing the overall compact surface of the box end.

Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
8	135	32g	**-6808K**
10	155	56g	**-6810K**
11	160	68g	**-6811K**
12	172	78g	**-6812K**
13	180	96g	**-6813K**
14	190	116g	**-6814K**
15	200	136g	**-6815K**
16	215	160g	**-6816K**
17	230	182g	**-6817K**
18	240	200g	**-6818K**
19	245	248g	**-6819K**
21	285	540g	**-6821K**
22	285	540g	**-6822K**
24	325	710g	**-6824K**

Set
9 Piece Metric: 10, 11, 12, 13, 14, 15, 16, 17 and 19mm.



9 PIECES

Number of Pieces	Weight each	Order Code KEN-582
9 Metric	1.2kg	**-6796K**

Professional Flex-Head Ratchet Combination Spanners

Chrome vanadium steel with mirror polish finish, preventing oil and dirt from adhering to the spanner, making for easier cleaning and preventing rust. 72-teeth ratcheting system which needs only 5° movement to operate ratchet. Thin wall design for greater access. Head flexes up to 90° in either direction. Conform to **ASME B107.6**.



Set (right) contains spanners and ratchet units which combine to make a set of square drive ratchets for use with standard sockets (supplied separately)



Metric Ratchet Combination Spanners

Size (mm)	Overall Length	Weight each	Order Code KEN-582
10	160mm	58g	**-2240K**
11	168mm	80g	**-2241K**
12	179mm	90g	**-2242K**
13	180mm	105g	**-2243K**
14	192mm	130g	**-2244K**
15	200mm	152g	**-2245K**
16	215mm	182g	**-2246K**
17	233mm	213g	**-2247K**
18	237mm	230g	**-2248K**
19	249mm	271g	**-2249K**

Flex-Head Ratchet Combination Spanner Set With Adaptors

Contains:
Flex head ratchet combination spanners: 10, 11, 12, 13, 14, 15, 16, 17 and 19mm. **Quick release square drive adaptors** - ¼" SD (x10mm hex); ⅜" SD (x13mm hex); ½" SD (x19mm hex). Supplied in a heavy duty fitted storage case.





13 PIECES

Number of Pieces	Weight each	Order Code KEN-582
10 Metric	2600g	**-2250K**

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KENNEDY PROFESSIONAL Short Arm Ratchet Combination Spanners

Manufactured from quality chrome vanadium steel with hardened jaws and high polish mirror finish, corrosion resistant and easy to clean. Conforms to **ANSI 8107.6**.





Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
10	95	40g	**-2188K**
11	100	50g	**-2189K**
12	103	55g	**-2190K**
13	106	60g	**-2191K**
14	114	75g	**-2192K**
15	117	90g	**-2193K**
16	120	100g	**-2194K**
17	127	120g	**-2195K**
19	138	155g	**-2197K**

AF

Size Inch	Overall Length	Weight each	Order Code KEN-582
3/8"	97	45g	**-2180K**
7/16"	113	85g	**-2181K**
1/2"	108	70g	**-2182K**
9/16"	114	85g	**-2183K**
5/8"	120	110g	**-2184K**
11/16"	127	120g	**-2185K**
3/4"	135	155g	**-2186K**

Sets
9 Piece Metric:
10, 11, 12, 13, 14, 15, 16, 17 and 19mm.
7 Piece AF:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".



Number of Pieces	Weight each	Order Code KEN-582
9 Metric	1880g	**-2236K**
7 AF	770g	**-2228K**

HAND TOOLS

Short Arm Combination Spanners

Manufactured from quality chrome vanadium steel with hardened jaws and high polish mirror finish, corrosion-resistant and easy to clean. The jaws and ring are offset at 15° for easier location and application of torque to the fastener. Suitable for use in areas of very restricted access. Conforms to **ASME B107.6**.

WALL DRIVE



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
10	97	30g	**-2200K**
11	100	40g	**-2202K**
12	105	43g	**-2204K**
13	110	51g	**-2206K**
14	114	65g	**-2208K**
15	119	75g	**-2210K**
16	124	85g	**-2212K**
17	130	95g	**-2214K**
18	133	110g	**-2216K**
19	140	130g	**-2218K**

Set
10 Piece Metric:
10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-582
10 Metric	840g	**-2225K**

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Wall Drive Ring End Feature
The wall drive ring end feature has no points on the internal bi-hexagon ring end. This is achieved by a series of radii that gives a wavy look to the internal bi-hexagon ring end.
The internal radii design promotes the use of higher torque loads to be applied to the fastener through increased surface contact areas.

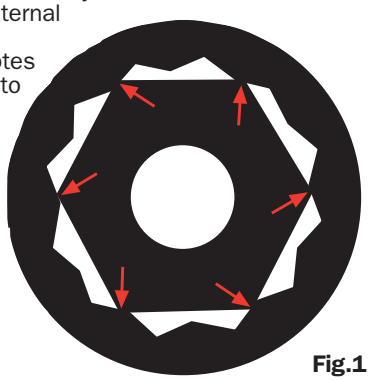


Fig.1

Fig.1 shows the point loads that occur with standard contact wrenches.

Fig.2 shows the increased surface contact area loads of wrenches with wall drive feature.
The increased contact surface area has three main advantages: Helps to reduce stress to the tool, prolonging tool life. Increases the tightening torque transmission force that can be applied to fasteners. Prevents fastener damage, e.g.' rounding off'.

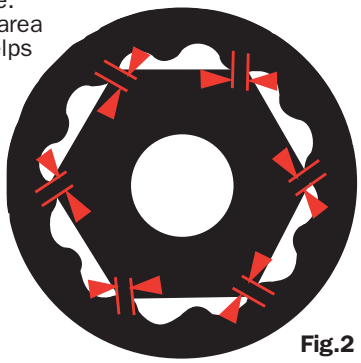


Fig.2

KENNEDY PROFESSIONAL *Professional Combination Spanners*

Manufactured from chrome vanadium steel with highly polished mirror finish. Mirror finish prevents oil and dirt from adhering to the spanner making for easier cleaning and preventing rust. Long reach, wall drive.
Conform with **ASME B107.6.**



HAND TOOLS

Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6	130	26g	**-3060K**
7	136	30g	**-3070K**
8	148	35g	**-3080K**
9	167	53g	**-3090K**
10	172	57g	**-3100K**
11	186	70g	**-3110K**
12	197	80g	**-3120K**
13	207	88g	**-3130K**
14	223	119g	**-3140K**
15	233	133g	**-3150K**
16	243	145g	**-3160K**
17	261	179g	**-3170K**
18	270	199g	**-3180K**
19	280	220g	**-3190K**
20	290	323g	**-3200K**
21	301	323g	**-3210K**
22	318	361g	**-3220K**
23	325	400g	**-3225K**
24	338	443g	**-3230K**
25	350	540g	**-3231K**
26	350	525g	**-3232K**
27	370	610g	**-3233K**
28	370	585g	**-3234K**
29	400	715g	**-3235K**
30	400	735g	**-3236K**
32	430	915g	**-3237K**

AF

Size (AF)	Overall Length	Weight each	Order Code KEN-582
11/32"	143	32g	**-3239K**
1/4"	130	26g	**-3240K**
5/16"	148	35g	**-3250K**
3/8"	167	53g	**-3260K**
7/16"	186	70g	**-3270K**
1/2"	207	88g	**-3280K**
9/16"	223	119g	**-3290K**
5/8"	243	145g	**-3300K**
11/16"	261	179g	**-3310K**
3/4"	280	220g	**-3320K**
13/16"	297	296g	**-3330K**
7/8"	320	350g	**-3340K**
15/16"	340	435g	**-3350K**
1"	355	510g	**-3360K**

Sets

14 Piece Metric: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

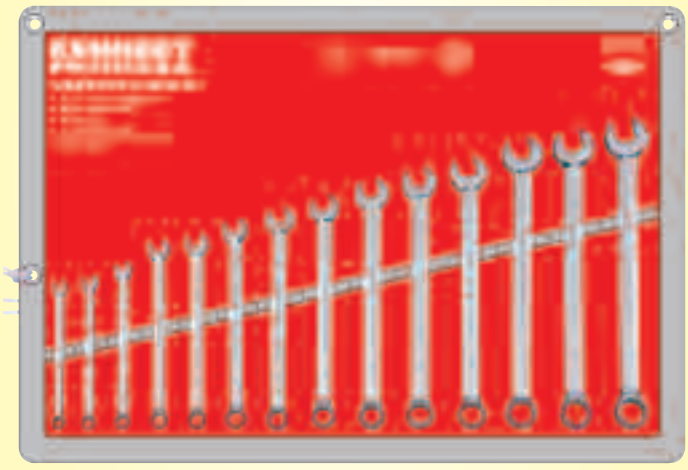
14* Piece Metric: 6, 8, 9, 10, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.

18 Piece Metric: 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17, 18, 19, 20, 21, 22, and 24mm.

26 Piece Metric: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32mm.

9 Piece AF: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".

13 Piece AF: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1".



Number of Pieces	Weight each	Order Code KEN-582
14 Metric	1.65kg	**-3960K**
14* Metric	4.60kg	**-3972K**
18 Metric	2.85kg	**-3970K**
26 Metric	8.90kg	**-3974K**
9 AF	1.00kg	**-3920K**
13 AF	1.95kg	**-3930K**

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KENNEDY Industrial Combination Spanners

Manufactured from chrome vanadium steel with a satin finish body and highly polished heads. 15° open jaw angle to shank and ring end offset. Conform to: 5.5mm - 25mm, 1/4" - 1" AF - **DIN 3113**. 26mm - 95mm, 1 1/16" - 2"AF - **ASME B107.6**. 1/8" - 1/2" Whitworth - **DIN 3113 & BS192:1982**. 9/16" - 7/8" Whitworth - **ASME B107.6 & BS192:1982**.

Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
5.5	93	10g	**-2560K**
6	100	14g	**-2570K**
7	110	18g	**-2580K**
8	120	27g	**-2590K**
9	130	33g	**-2600K**
10	140	36g	**-2610K**
11	150	47g	**-2630K**
12	160	55g	**-2640K**
13	170	66g	**-2660K**
14	180	82g	**-2670K**
15	190	90g	**-2680K**
16	200	107g	**-2690K**
17	210	130g	**-2700K**
18	220	138g	**-2710K**
19	230	159g	**-2720K**
20	240	185g	**-2730K**
21	250	193g	**-2740K**
22	260	225g	**-2750K**
23	260	265g	**-2760K**
24	280	294g	**-2770K**
25	295	330g	**-2780K**
26	295	435g	**-2790K**
27	310	387g	**-2800K**
28	340	675g	**-2810K**
29	340	1280g	**-2850K**
30	340	675g	**-2820K**
32	360	485g	**-2830K**
36	410	600g	**-2840K**
38	430	1280g	**-2860K**
41	460	1800g	**-2870K**
46	500	1900g	**-2880K**
50	540	2350g	**-2890K**
55	560	3085g	**-2891K**
60	600	3750g	**-2892K**
65	675	5700g	**-2893K**
70	675	5400g	**-2894K**
75	720	5700g	**-2895K**
80	720	6500g	**-2896K**
85	730	6800g	**-2897K**
90	730	7000g	**-2898K**
95	750	7200g	**-2899K**

Manufactured from chrome vanadium steel **(except * which is made from drop forged carbon steel)** with a satin finish body and highly polished heads.



AF

Size (AF)	Overall Length	Weight each	Order Code KEN-582
1/4"	100	14g	**-2260K**
5/16"	120	27g	**-2270K**
3/8"	140	33g	**-2280K**
7/16"	150	47g	**-2290K**
1/2"	170	66g	**-2300K**
9/16"	180	82g	**-2310K**
5/8"	200	107g	**-2320K**
11/16"	210	138g	**-2340K**
3/4"	230	159g	**-2350K**
7/8"	260	225g	**-2360K**
13/16"	250	268g	**-2370K**
15/16"	280	294g	**-2380K**
1"	295	330g	**-2390K**
1 1/16"*	358	540g	**-2400K**
1 1/8"*	380	675g	**-2410K**
1 1/4"*	418	820g	**-2420K**
1 5/16"*	461	972g	**-2430K**
1 3/8"*	461	972g	**-2440K**
1 7/16"*	486	1280g	**-2450K**
1 1/2"*	486	1280g	**-2460K**
1 5/8"*	540	1800g	**-2470K**
1 3/4"*	611	1900g	**-2480K**
1 7/8"*	611	2350g	**-2490K**
2"*	611	2350g	**-2500K**

Sets

Number of Pieces	Weight each	Order Code KEN-582
11 Metric	2.60kg	**-2980K**
14 Metric	3.10kg	**-2900K**
14* Metric	1.20kg	**-2960K**
18 Metric	2.20kg	**-2970K**
26 Metric	5.75kg	**-2910K**
9 AF	0.80kg	**-2920K**
11 AF	2.65kg	**-2940K**
12 AF	1.80kg	**-2930K**
7 Whitworth	0.95kg	**-2950K**

Whitworth

Size Whit	Overall Length	Weight each	Order Code KEN-582
1/8"	140	30g	**-3370K**
3/16"	160	50g	**-3380K**
1/4"	180	65g	**-3390K**
5/16"	200	97g	**-3400K**
3/8"	220	150g	**-3410K**
7/16"	250	200g	**-3420K**
1/2"	280	228g	**-3430K**
9/16"*	332	430g	**-3440K**
5/8"*	380	690g	**-3450K**
11/16"*	418	885g	**-3460K**
3/4"*	461	850g	**-3470K**
7/8"*	486	930g	**-3480K**

Sets:
11 Piece: 26, 27, 28, 29, 30, 32, 36, 38, 41, 46 and 50mm
14 Piece: 6, 8, 9, 10, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.
14* Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
18 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 and 24mm.
26 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32mm.
9 Piece AF:
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4"
11 Piece AF: *1 1/16", *1 1/8", *1 1/4", *1 5/16", *1 3/8", *1 7/16", *1 1/2", *1 5/8", *1 3/4", *1 7/8" and *2".
12 Piece: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16" and 1".
7 Piece Whitworth: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2".

HAND TOOLS

Industrial Offset Combination Spanners

Chrome vanadium steel. 15° cranked open end. Offset ring end. Up to 25% longer than conventional **DIN 3113** combination spanners. Conform to **DIN 3113B**.



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6	127	20g	**-3880K**
7	135	25g	**-3881K**
8	145	35g	**-3882K**
9	155	40g	**-3883K**
10	167	50g	**-3884K**
11	173	55g	**-3885K**
12	180	65g	**-3886K**
13	195	80g	**-3887K**
14	210	95g	**-3888K**
15	215	110g	**-3889K**
16	230	135g	**-3890K**
17	240	160g	**-3891K**

Size (mm)	Overall Length	Weight each	Order Code KEN-582
18	255	170g	**-3892K**
19	265	190g	**-3893K**
21	280	240g	**-3894K**
22	300	275g	**-3895K**
24	320	350g	**-3896K**
27	340	565g	**-3897K**
30	360	665g	**-3878K**
32	380	821g	**-3879K**

Set
14 Piece Metric: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19mm.



No. of Pieces	Weight each	Order Code KEN-582
14 Metric	1.50kg	**-3898K**

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YAMOTO Industrial Combination Spanners

NEW

Made from fully polished chrome vanadium steel with a 15° offset.
Conform to **DIN 3113.**



Size (mm)	Overall Length	Weight each	Order Code YMT-582
6	100	14g	**-3060K**
7	110	18g	**-3070K**
8	120	27g	**-3080K**
9	130	33g	**-3090K**
10	140	36g	**-3100K**
11	150	47g	**-3110K**
12	160	55g	**-3120K**
13	170	66g	**-3130K**
14	180	82g	**-3140K**
15	190	90g	**-3150K**
16	200	107g	**-3160K**
17	210	130g	**-3170K**
18	220	138g	**-3180K**

Size (mm)	Overall Length	Weight each	Order Code YMT-582
19	230	159g	**-3190K**
20	240	185g	**-3200K**
21	250	193g	**-3210K**
22	260	225g	**-3220K**
23	260	265g	**-3225K**
24	280	294g	**-3230K**
25	295	330g	**-3231K**
26	295	435g	**-3232K**
27	310	387g	**-3233K**
28	340	675g	**-3234K**
30	340	675g	**-3236K**
32	360	485g	**-3237K**

Sets
14 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
25 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30 and 32mm.



Number of Pieces	Weight each	Order Code YMT-582
14 Metric	3.10kg	**-3960K**
25 Metric	5.75kg	**-3974K**

SENATOR QUALITY TOOLING Combination Spanners

NEW

Manufactured from forged chrome vanadium steel with satin finish and 15° cranked heads.
Conform to **DIN 3113.**



Size (mm)	Overall Length	Weight each	Order Code SEN-582
6	100	14g	**-4100K**
7	110	18g	**-4110K**
8	120	27g	**-4120K**
9	130	33g	**-4130K**
10	140	36g	**-4140K**
11	150	47g	**-4150K**
12	160	55g	**-4160K**
13	170	66g	**-4170K**
14	180	82g	**-4180K**
15	190	90g	**-4190K**
16	200	107g	**-4200K**
17	210	130g	**-4210K**
18	220	138g	**-4220K**

Size (mm)	Overall Length	Weight each	Order Code SEN-582
19	230	159g	**-4230K**
20	240	185g	**-4240K**
21	250	193g	**-4250K**
22	260	225g	**-4260K**
23	260	265g	**-4270K**
24	280	294g	**-4280K**
25	295	330g	**-4290K**
26	295	435g	**-4300K**
27	310	387g	**-4310K**
28	340	675g	**-4320K**
30	340	675g	**-4330K**
32	360	485g	**-4340K**

Sets
14 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
25 Piece: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30 and 32mm.

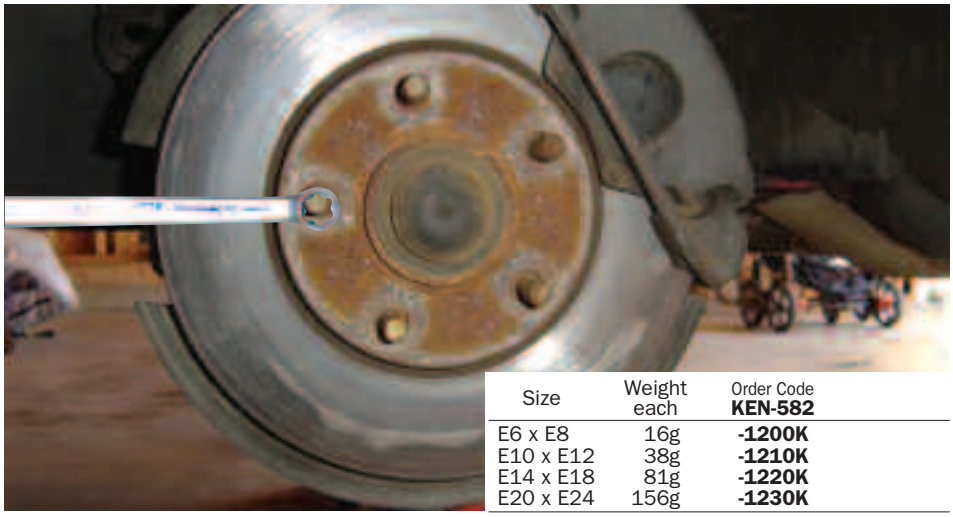


Number of Pieces	Weight each	Order Code SEN-582
14 Metric	3.10kg	**-4510K**
25 Metric	5.75kg	**-4600K**

KENNEDY PROFESSIONAL E-Torx® Ring Spanners

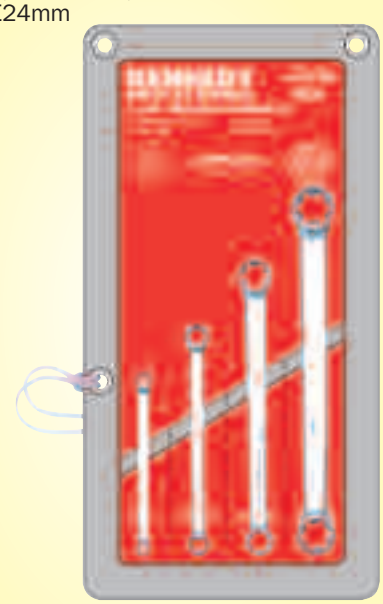
Manufactured from drop forged chrome vanadium steel. Polished finish. Set is supplied in wallet with hanging holes.





Size	Weight each	Order Code KEN-582
E6 x E8	16g	**-1200K**
E10 x E12	38g	**-1210K**
E14 x E18	81g	**-1220K**
E20 x E24	156g	**-1230K**

Sets
4 Piece E-Torx:
E6 x E8, E10 x E12, E14 x E18 and E20 x E24mm



Number of Pieces	Weight each	Order Code KEN-582
4	440g	**-1240K**

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KENNEDY PROFESSIONAL 12-In-1 Reversible Ratchet Spanners

Double ended ratchet spanners with 12 sizes each. These spanners fit mm, inch and E-TORX fasteners saving space and weight in the toolbox. The 72 teeth lever ratcheting system requires only 5 degree movement to operate making them ideal for use in tight areas. Made from high quality chrome vanadium steel with mirror polish finish to prevent oil and dirt from adhering to the spanner.

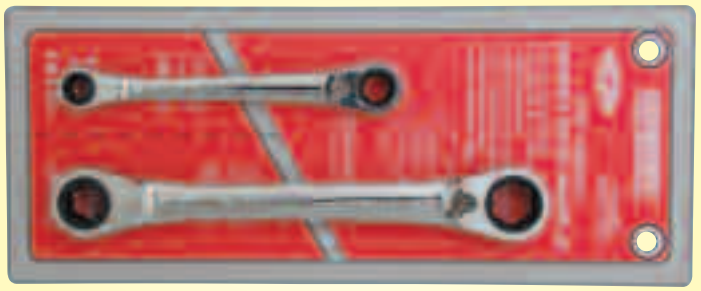


Sizes (Per Spanner):
8, 10, 11 & 13mm/5/16" 3/8" 7/16" & 1/2"/E10, E12, E14 & E16
14, 16, 17 & 19mm/9/16" 5/8" 11/16" 3/4"/E18, E20, E22 & E24

Metric

Size Range (mm)	Overall Length	Weight each	Order Code KEN-582
8 - 13	160	97g	**-6862K**
14 - 19	230	263g	**-6864K**

2 Piece Set: One of each as above



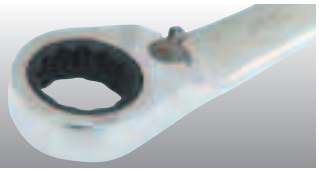
Number of Pieces	Weight each	Order Code KEN-582
2 Pieces	380g	**-6870K**

4-In-1 Reversible Ratchet Spanners

Double ended ratchet spanners with 4 sizes each, saving space and weight in the toolbox. 72 teeth lever ratcheting system that requires only 5° movement to operate, making them ideal for use in tight areas. Made from high quality chrome vanadium steel with mirror polish finish to prevent oil and dirt from adhering to the spanner.



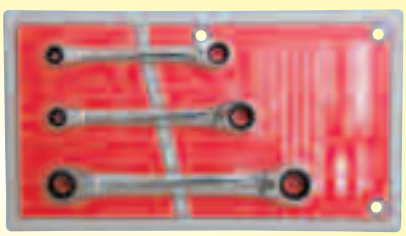
'Flush' fitted reversible switch enables the wrench to move in either direction without sacrificing the overall compact surface of the box end.



Metric

Size Range (mm)	Overall Length	Weight each	Order Code KEN-582
8 - 13	160	97g	**-6852K**
9 - 15	180	125g	**-6854K**
16 - 19	230	263g	**-6856K**

3 Piece Set
The most commonly used 12 sizes in just three spanners, 8 - 19mm. Supplied with storage roll.
Sizes (per spanner):
8, 10, 12 & 13mm.
9, 11, 14 & 15mm.
16, 17, 18 & 19mm.



Number of Pieces	Weight each	Order Code KEN-582
3 Metric	510g	**-6860K**

KENNEDY QUALITY INDUSTRIAL TOOLING Reversible Ratchet Ring Wrenches

For use where access is limited. With a built-in ratchet mechanism to provide speed and a reversible action which can be achieved by depressing the reversing lever or by simply turning the wrench over. All ratcheting ring wrenches are manufactured from chrome vanadium steel bi-hex rings.

Straight



Metric *Single hexagon

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6* x 7*	115	65g	**-9720K**
8 x 9	135	80g	**-9721K**
10 x 11	140	90g	**-9722K**
12 x 13	175	170g	**-9723K**
14 x 15	210	270g	**-9724K**
17 x 19	210	260g	**-9725K**
21 x 22	240	305g	**-9726K**

AF

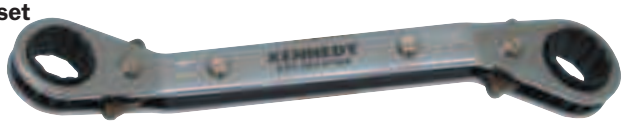
Size (AF)	Weight each	Order Code KEN-582
1/4"* x 5/16"	60g	**-9732K**
3/8" x 7/16"	90g	**-9733K**
1/2" x 9/16"	160g	**-9734K**
5/8" x 11/16"	270g	**-9735K**
3/4" x 7/8"	305g	**-9736K**

Sets
7 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 17 x 19 and 21 x 22mm
5 Piece AF: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8"



Number of Pieces	Weight each	Order Code KEN-582
7 Metric	1300g	**-9730K**
5 AF	930g	**-9740K**

25° Offset



Metric *Single hexagon

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6* x 7*	115	65g	**-9742K**
8 x 9	135	80g	**-9743K**
10 x 11	140	90g	**-9744K**
12 x 13	175	165g	**-9745K**
14 x 15	210	260g	**-9746K**
17 x 19	205	250g	**-9747K**
21 x 22	235	310g	**-9748K**

AF

Size (AF)	Weight each	Order Code KEN-582
1/4"* x 5/16"	60g	**-9752K**
3/8" x 7/16"	90g	**-9753K**
1/2" x 9/16"	170g	**-9754K**
5/8" x 11/16"	265g	**-9755K**
3/4" x 7/8"	300g	**-9756K**

Sets Contents:
7 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 17 x 19 and 21 x 22mm.
5 Piece AF:
1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".



Number of Pieces	Weight each	Order Code KEN-582
7 Metric	1280g	**-9750K**
5 AF	930g	**-9760K**

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KENNEDY Double Ended Ring Spanners

Made from chrome vanadium steel with a satin finish body and highly polished heads, with double ended closed jaw bi-hexagon offset. Conform to **DIN 838 Metric & AF, BS 192 : 1982 & BS 3555 : 1998 Whitworth**.



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6 x 7	180	40g	**-1570K**
8 x 9	190	60g	**-1590K**
8 x 10	200	60g	**-1600K**
10 x 11	205	87g	**-1610K**
10 x 13	220	120g	**-1620K**
12 x 13	220	120g	**-1640K**
13 x 17	270	190g	**-1660K**
14 x 15	235	152g	**-1670K**
16 x 17	250	186g	**-1680K**
17 x 19	270	240g	**-1690K**
18 x 19	270	240g	**-1700K**
19 x 22	290	350g	**-1710K**
19 x 24	330	380g	**-1720K**
20 x 22	290	320g	**-1730K**
21 x 23	315	400g	**-1740K**
22 x 24	330	368g	**-1750K**
24 x 26	335	465g	**-1760K**
24 x 27	340	465g	**-1770K**
24 x 30	362	495g	**-1780K**
25 x 28	360	545g	**-1790K**
27 x 30	380	638g	**-1800K**
30 x 32	380	638g	**-1810K**
30 x 36	420	820g	**-1820K**
32 x 36	420	900g	**-1830K**
36 x 41	430	1100g	**-1840K**
41 x 46	440	1300g	**-1850K**
46 x 50	505	1570g	**-1860K**

AF

Size AF	Weight each	Order Code KEN-582
1/4" x 5/16"	60g	**-1260K**
5/16" x 3/8"	75g	**-1270K**
3/8" x 7/16"	94g	**-1280K**
7/16" x 1/2"	124g	**-1290K**
1/2" x 9/16"	152g	**-1300K**
9/16" x 5/8"	157g	**-1310K**
5/8" x 11/16"	218g	**-1320K**
11/16" x 3/4"	250g	**-1340K**
3/4" x 7/8"	320g	**-1350K**
13/16" x 7/8"	335g	**-1360K**
15/16" x 1"	465g	**-1380K**
1 1/16" x 1 1/4"	618g	**-1410K**

Whitworth

Size Whitworth	Weight each	Order Code KEN-582
3/16" x 1/4"	110g	**-2010K**
1/4" x 5/16"	150g	**-2020K**
5/16" x 3/8"	200g	**-2030K**
7/16" x 1/2"	354g	**-2050K**
9/16" x 5/8"	490g	**-2070K**
11/16" x 3/4"	660g	**-2100K**

Sets

7 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
11 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 and 30 x 32mm.
5 Piece AF: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".
10 Piece AF: 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 3/4" x 7/8" and 15/16" x 1".
5 Piece BSW: 3/16" x 1/4", 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8" and 11/16" x 3/4" BSW.



No. of Pieces	Weight each	Order Code KEN-582
7 Metric	1.20kg	**-1960K**
11 Metric	1.90kg	**-1970K**
5 AF	0.92kg	**-1920K**
10 AF	2.00kg	**-1930K**
5 BSW	2.75kg	**-1950K**

Ring Crescent Wrenches

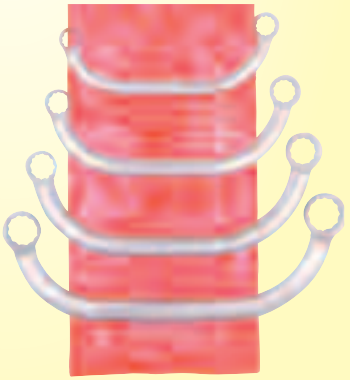
Chrome vanadium steel with satin chrome finish.
Heads conform to **DIN 838**.



Size (mm)	Overall Length	Weight each	Order Code KEN-582
10 x 11	142	71g	**-3766K**
12 x 13	164	100g	**-3768K**
14 x 15	189	157g	**-3770K**
17 x 19	219	172g	**-3772K**

Ring Crescent Wrench Sets

4 Piece Metric: - 10 - 19mm
10 x 11mm,
12 x 13mm,
14 x 15mm,
17 x 19mm.



Range (mm)	Weight each	Order Code KEN-582
10 - 19	540g	**-3776K**

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KENNEDY PROFESSIONAL *Professional Flared Nut Ring Spanners*

Conform to: **ASME B107.4**. Made from chrome vanadium steel with a highly polished mirror finish. Made to American Federal Standards, giving higher torque therefore improved performance. The wrench will fit over the pipe to give a positive location on the nut. Can be used on hydraulic pipes, brake pipes etc.



Metric Conform with **ANSI B107.9M**.

Size (mm)	Overall Length	Weight each	Order Code KEN-582
8 x 10	145	45g	**-1020K**
9 x 11	145	45g	**-1030K**
12 x 14	175	90g	**-1040K**
13 x 15	170	90g	**-1050K**
16 x 17	200	130g	**-1060K**



AF Conform with **ANSI B107.6**

Size (AF)	Overall Length	Weight each	Order Code KEN-582
5/16" x 3/8"	145	45g	**-1110K**
3/8" x 7/16"	155	60g	**-1120K**
1/2" x 9/16"	175	90g	**-1130K**
5/8" x 11/16"	198	130g	**-1140K**

Set
5 Piece Metric: 8 x 10, 9 x 11, 12 x 14, 13 x 15 and 16 x 17mm.
4 Piece AF: 5/16" x 3/8", 3/8" x 7/16", 1/2" x 9/16" and 5/8" x 11/16".



Number of Pieces	Weight each	Order Code KEN-582
5 Metric	420g	**-1090K**
4 AF	270g	**-1170K**

KENNEDY QUALITY INDUSTRIAL TOOLING *Industrial Flared Nut Ring Spanners*

Conform to **ASME B107.4**. Made from high quality chrome vanadium steel. Satin finish body with highly polished heads. Offset ends. The wrench will fit over the pipe to give a positive location on the nut. Can be used on hydraulic pipes, brake pipes etc.



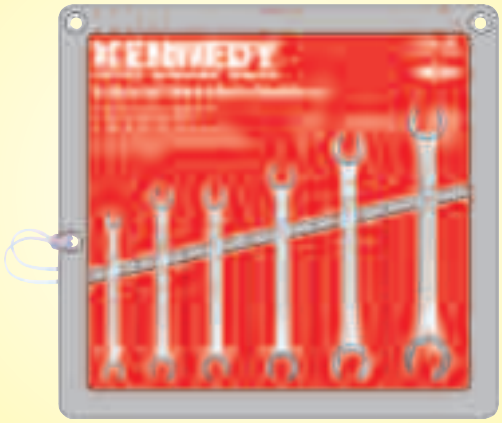
Metric Conform with **ANSI B107.9M**.

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6 x 8	135	38g	**-3490K**
8 x 10	135	38g	**-3500K**
9 x 11	155	54g	**-3510K**
10 x 11	155	54g	**-3520K**
10 x 12	155	54g	**-3530K**
12 x 14	175	95g	**-3540K**
13 x 14	175	95g	**-3550K**
14 x 17	200	130g	**-3590K**
17 x 19	200	130g	**-3600K**
19 x 22	225	220g	**-3610K**
22 x 24	230	270g	**-3620K**
24 x 27	250	340g	**-3630K**
30 x 32	275	450g	**-3640K**

AF Conform with **ANSI B107.9**.

Size (AF)	Weight each	Order Code KEN-582
1/4" x 5/16"	38g	**-3651K**
3/8" x 7/16"	54g	**-3652K**
1/2" x 9/16"	95g	**-3653K**
5/8" x 11/16"	130g	**-3654K**
3/4" x 7/8"	220g	**-3655K**

Set
6 Piece Metric:
6 x 8, 9 x 11, 10 x 12, 13 x 14, 14 x 17 and 19 x 22mm.
5 Piece AF:
1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".



Number of Pieces	Weight each	Order Code KEN-582
6 Metric	710g	**-3650K**
5 AF	620g	**-3659K**

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KENNEDY Industrial Open Ended Spanners

Chrome vanadium steel (except * which are made from drop forged carbon steel) with a satin finish body and highly polished heads, with a 15° offset.
DIN 3110: 4 x 5mm to 32 x 36mm, 1/4" x 5/16" to 1 5/16" x 1 5/8" AF.
ASME B107.39: 36 x 41mm to 46 x 50mm, 1 7/16" x 1 5/8" to 1 13/16" x 2" AF.
DIN 3110 & BS192:1982: 1/8" x 3/16" to 1" x 1 1/8" Whitworth.



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
4 x 5	103	12g	-0530K
5 x 5.5	103	15g	-0540K
5.5 x 7	122	25g	-0550K
6 x 7	122	25g	-0570K
7 x 8	122	25g	-0580K
8 x 9	140	32g	-0590K
8 x 10	140	32g	-0600K
10 x 11	156	48g	-0610K
10 x 12	156	48g	-0612K
10 x 13	172	63g	-0620K
11 x 13	172	63g	-0630K
12 x 13	172	63g	-0640K
12 x 14	172	63g	-0644K
13 x 15	186	100g	-0650K
13 x 17	188	96g	-0660K
14 x 15	188	96g	-0670K
14 x 17	188	96g	-0677K
16 x 17	204	120g	-0680K
17 x 19	220	171g	-0690K
18 x 19	220	171g	-0700K
19 x 21	234	198g	-0709K
19 x 22	234	198g	-0710K
19 x 24	234	198g	-0720K
20 x 22	234	198g	-0730K
21 x 23	247	200g	-0740K
22 x 24	247	200g	-0750K
24 x 26	266	311g	-0760K
24 x 27	266	311g	-0770K
24 x 30	285	405g	-0780K
25 x 28	285	405g	-0790K
30 x 32	302	460g	-0810K
27 x 30	302	460g	-0820K
27 x 32	302	460g	-0830K
30 x 36	319	692g	-0840K
32 x 36	319	692g	-0850K
*36 x 41	434	1340g	-0860K
*41 x 46	465	1782g	-0870K
*46 x 50	495	2368g	-0880K

AF

Size AF	Weight each	Order Code KEN-582
1/4" x 5/16"	25g	-0260K
5/16" x 3/8"	32g	-0270K
3/8" x 7/16"	48g	-0280K
7/16" x 1/2"	63g	-0290K
1/2" x 9/16"	80g	-0300K
9/16" x 5/8"	96g	-0310K
5/8" x 11/16"	120g	-0320K
5/8" x 3/4"	170g	-0330K
11/16" x 3/4"	171g	-0340K
3/4" x 7/8"	198g	-0350K
13/16" x 7/8"	220g	-0360K
7/8" x 15/16"	260g	-0370K
15/16" x 1"	311g	-0380K
1" x 1 1/8"	405g	-0400K
1 1/16" x 1 1/4"	460g	-0410K
1 1/8" x 1 5/16"	460g	-0420K
1 3/16" x 1 5/16"	460g	-0430K
1 1/4" x 1 3/8"	692g	-0450K
1 5/16" x 1 1/2"	692g	-0460K
*1 7/16" x 1 5/8"	1340g	-0470K
*1 1/2" x 1 5/8"	1340g	-0480K
*1 11/16" x 1 7/8"	1782g	-0490K
*1 13/16" x 2"	2368g	-0510K

Whitworth

Size Whitworth	Weight each	Order Code KEN-582
1/8" x 3/16"	55g	-0010K
3/16" x 1/4"	70g	-0020K
1/4" x 5/16"	90g	-0030K
5/16" x 3/8"	120g	-0040K
3/8" x 7/16"	225g	-0050K
7/16" x 1/2"	230g	-0060K
1/2" x 9/16"	325g	-0070K
9/16" x 5/8"	385g	-0090K
9/16" x 11/16"	435g	-0100K
5/8" x 11/16"	490g	-0110K
5/8" x 3/4"	495g	-0120K
11/16" x 3/4"	495g	-0130K
3/4" x 7/8"	740g	-0140K

Sets:

7 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.

8 Piece Metric: 24 x 26, 25 x 28, 27 x 30, 27 x 32, 32 x 36, *36 x 41, *41 x 46 and *46 x 50mm.

11 Piece Metric: 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 and 30 x 32mm.

5 Piece AF: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".

10 Piece AF: 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 3/4" x 7/8" and 15/16" x 1".

8 Piece Whitworth: 1/8" x 3/16", 3/16" x 1/4", 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16" and 9/16" x 5/8".



Number of Pieces	Weight each	Order Code KEN-582
7 Metric	0.64kg	-0960K
8 Metric	7.70kg	-0990K
11 Metric	1.90kg	-0970K
5 AF	0.55kg	-0920K
10 AF	1.20kg	-0930K
8 Whit	1.50kg	-0950K

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KENNEDY PROFESSIONAL *Professional Open Ended Spanners*

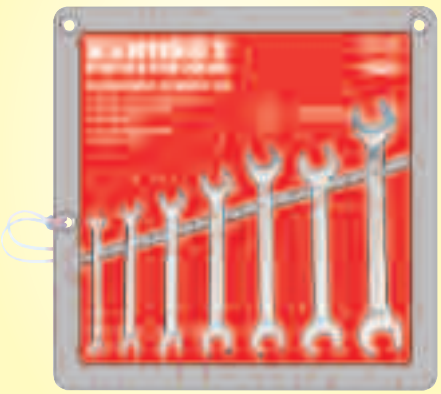
Chrome vanadium steel with a highly polished mirror finish preventing oil and dirt from adhering to the spanner. Made to American Federal Standards, extra thick heads offer higher torque forces to be applied therefore improved performance.
Conform to **ASME B107.39**



Metric

Size (mm)	Overall Length	Weight each	Order Code KEN-582
6 x 7	126	25g	**-2990K**
8 x 9	135	45g	**-3000K**
10 x 11	146	55g	**-3010K**
12 x 13	165	90g	**-3020K**
14 x 15	185	120g	**-3030K**
16 x 17	185	138g	**-3040K**
18 x 19	230	210g	**-3050K**
20 x 22	250	280g	**-3051K**
21 x 23	250	290g	**-3052K**
24 x 27	290	400g	**-3053K**
30 x 32	360	750g	**-3054K**

Sets
7 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
11 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 & 30 x 32mm.



Number of Pieces	Weight each	Order Code KEN-582
7 Metric	780g	**-3900K**
11 Metric	2730g	**-3910K**

YAMOTO *Industrial Open Ended Spanners*

NEW

Made from chrome vanadium steel with polished head and 15° offset.
Conform to **DIN 3110**



Metric

Size (mm)	Overall Length	Weight each	Order Code YMT-582
6 x 7	122	25g	**-2990K**
8 x 9	140	32g	**-3000K**
10 x 11	156	48g	**-3010K**
12 x 13	172	63g	**-3020K**
14 x 15	188	96g	**-3030K**
16 x 17	204	120g	**-3040K**
18 x 19	220	171g	**-3050K**
20 x 22	234	198g	**-3051K**
21 x 23	247	200g	**-3052K**
24 x 27	266	311g	**-3053K**
30 x 32	302	460g	**-3054K**

Sets
7 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
11 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 & 30 x 32mm.



Number of Pieces	Weight each	Order Code YMT-582
7 Metric	780g	**-3930K**
11 Metric	2730g	**-3910K**

SENATOR QUALITY TOOLING *Open Ended Spanners*

NEW

Drop forged steel with 15° cranked open ends. Satin finish heads.
Conform to **DIN 3110**



Metric

Size (mm)	Overall Length	Weight each	Order Code SEN-582
6 x 7	122	25g	**-4700K**
8 x 9	140	32g	**-4710K**
10 x 11	156	48g	**-4720K**
12 x 13	172	63g	**-4730K**
14 x 15	188	96g	**-4740K**
16 x 17	204	120g	**-4750K**
18 x 19	220	171g	**-4760K**
20 x 22	234	198g	**-4770K**
21 x 23	247	200g	**-4780K**
24 x 27	266	311g	**-4790K**
30 x 32	302	460g	**-4800K**

Sets
7 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
11 Piece Metric:
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 & 30 x 32mm.



Number of Pieces	Weight each	Order Code SEN-582
7 Metric	780g	**-4830K**
11 Metric	2730g	**-4850K**

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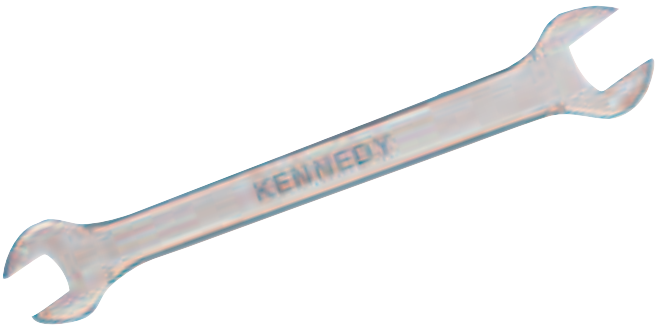
KENNEDY Miniature Open Ended Spanners



Metric. Conform to **BS 192 : 1982 & DIN 3110.**

Size (mm)	Overall Length	Weight each	Order Code KEN-582
3.2 x 4.0	70	6g	**-1001K**
0.4 x 5.0	70	6g	**-1002K**
0.5 x 5.5	80	11g	**-1003K**
5.5 x 6.0	80	11g	**-1004K**
0.6 x 7.0	80	10g	**-1005K**
0.7 x 8.0	90	15g	**-1006K**

BA. Conform to **BS 1842 : 1952.**

Size (BA)	Overall Length	Weight each	Order Code KEN-582
0 x 2	89	25g	**-0190K**
1 x 3	67	20g	**-0200K**
4 x 6	63	10g	**-0220K**
5 x 7	63	5g	**-0230K**
8 x 10	64	5g	**-0240K**
9 x 11	51	5g	**-0250K**

Set
6 Piece BA: 0 x 2, 1 x 3, 4 x 6, 5 x 7, 8 x 10, 9 x 11BA.
6 Piece Metric: 3.2 x 4, 4 x 5, 5 x 5.5, 5.5 x 6, 6 x 7, 7 x 8mm

6 PIECES

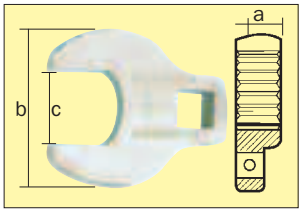


Number of Pieces	Weight each	Order Code KEN-582
6 BA	90g	**-0910K**
6 Metric	90g	**-1010K**

Crowfoot Wrenches

3/8 Chrome vanadium wrenches designed to be used for getting into tight spots and hard to reach areas, in particular around tubing such as hydraulic lines etc. For use with 3/8" square drive tools.

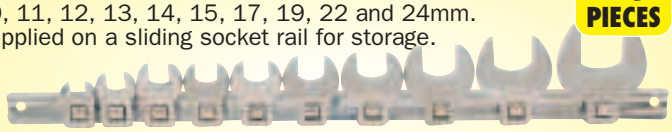




Size (mm) (c)	(b)	(a)	Weight each	Order Code KEN-582
10	22	9	20g	**-6280K**
11	25	9	25g	**-6281K**
12	28	9	33g	**-6282K**
13	28	9	33g	**-6283K**
14	33	9	37g	**-6284K**
15	33	9	46g	**-6285K**
17	38	9	60g	**-6287K**
19	43	10	72g	**-6289K**
22	47	10	94g	**-6292K**
24	53	10	117g	**-6294K**

Set
10 Piece Metric:
10, 11, 12, 13, 14, 15, 17, 19, 22 and 24mm.
Supplied on a sliding socket rail for storage.

10 PIECES

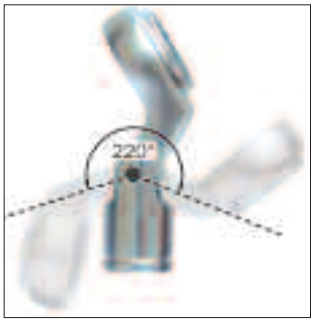


Number of Pieces	Weight each	Order Code KEN-582
10 Metric	610g	**-6300K**

Flexi-ring End Sockets

1/2 Made from polished chrome vanadium. These tough flexi-ring end sockets are designed to allow access over long studs and for awkwardly positioned nuts and bolts. Swivels through 220°.

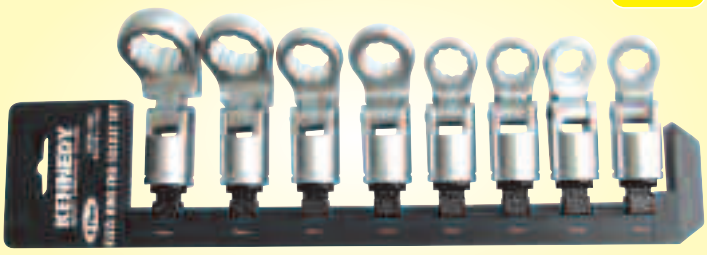




Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric 1/2	13mm	70mm	124g	**-1180K**
	14mm	70mm	123g	**-1181K**
	15mm	70mm	121g	**-1182K**
	16mm	70mm	119g	**-1183K**
	17mm	77mm	158g	**-1184K**
	19mm	77mm	152g	**-1185K**
	22mm	82mm	193g	**-1186K**
	24mm	86mm	213g	**-1187K**

8 Piece Metric Set Contents:
13, 14, 15, 16, 17, 19, 22, and 24mm.
Supplied with a sturdy hanging rail.

8 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-582
8	As above	1.3kg	**-1190K**

HAND TOOLS

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KENNEDY PROFESSIONAL Swivel End Socket Wrenches

Designed to give greater flexibility and improved access when working in difficult conditions. Bi-hexagon (12 point). Manufactured from fully polished chrome vanadium steel. Conform with **ANSI B107.5M**.



Size (mm)	Overall Length	Weight each	Order Code KEN-582
8 x 9	175	135g	**-3670K**
10 x 11	185	135g	**-3680K**
12 x 13	196	150g	**-3690K**
14 x 15	220	200g	**-3700K**
16 x 17	240	245g	**-3710K**
18 x 19	265	295g	**-3720K**

Set
6 Piece Bi-hexagon:
8 x 9,
10 x 11,
12 x 13,
14 x 15,
16 x 17 and
18 x 19mm.

6 PIECES



Number of Pieces	Weight each	Order Code KEN-582
6	1.40kg	**-3725K**

11 Piece Ignition Wrench Set

Contents:
8 open end spanners 4 - 7.5mm x 0.5mm increments, screwdriver, file, 0.40mm gap gauge.

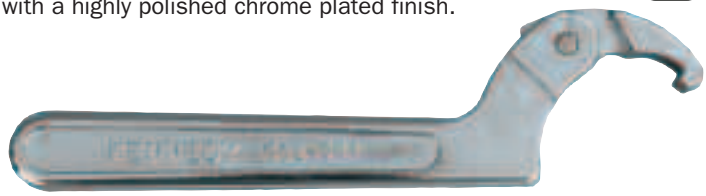
11 PIECES

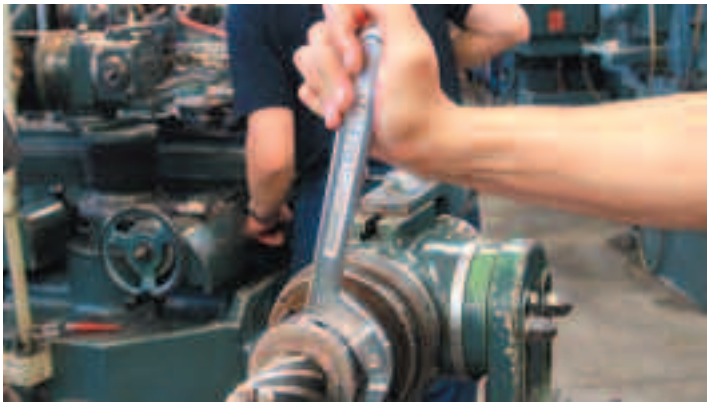


Number of Pieces	Contents	Weight each	Order Code KEN-582
11	As above	440g	**-3780K**

Adjustable 'C' Hook Spanners

Manufactured from chrome vanadium steel with a highly polished chrome plated finish.





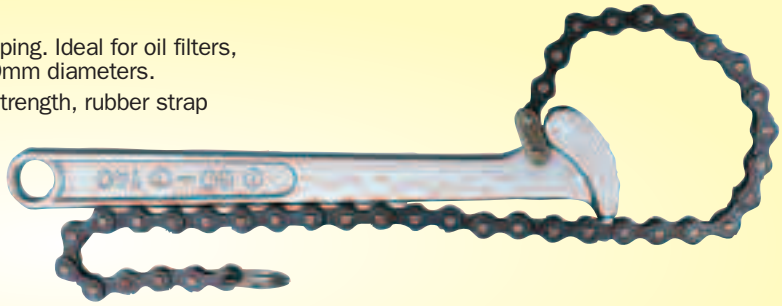
Diameter	Weight each	Order Code KEN-582
¾ - 2"	120g	**-9600K**
1¼ - 3"	250g	**-9610K**
2 - 4¾"	460g	**-9620K**

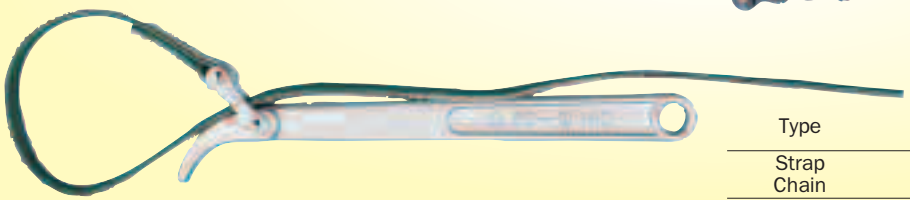
Strap & Chain Wrenches

Used for gripping round any irregular shaped items, tubes and piping. Ideal for oil filters, hot radiator caps and hub caps. Both types suitable for 60 - 140mm diameters.

Strap Type: Hardened chrome vanadium handle with industrial strength, rubber strap that will not mark or scratch workpieces.

Chain Type: Hardened chrome vanadium handle with heavy duty chain for a positive grip.





Type	Weight each	Order Code KEN-582
Strap	280g	**-9500K**
Chain	430g	**-9520K**

HAND TOOLS

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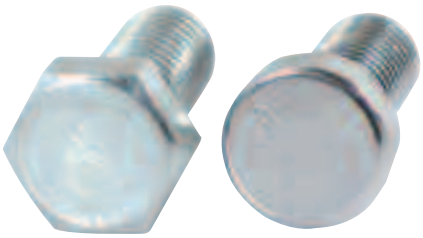
KENNEDY PROFESSIONAL Side Drive Sockets

The Ken-Grip® socket offers a new standard of performance with the ability to grip fasteners which are up to 95% rounded off. A unique patented socket design grips new, worn and rusted fasteners without damaging them further. Double knurl feature gives a high grip which is essential for quick tool change when hands are greasy or oily. Manufactured from chrome vanadium steel, the sockets and accessories are aluminium free, fully chrome plated for a corrosion resistant, easy clean finish. The set features an extensive selection of socket sizes for use across a wide range of fasteners.

KENGRIP®

Patented Design

Will grip new, worn and rusted fasteners without damaging them further

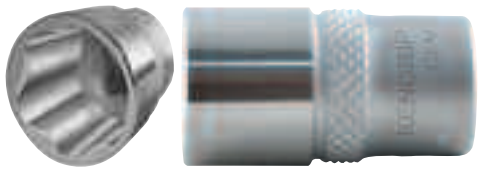


Will grip fasteners which are up to 95% rounded off

Will also fit a wide range of non-metric Hexagons, E-Torx® and Spline Drive Sizes.

Standard Length Sockets

1/4 Conform to **DIN3124**.

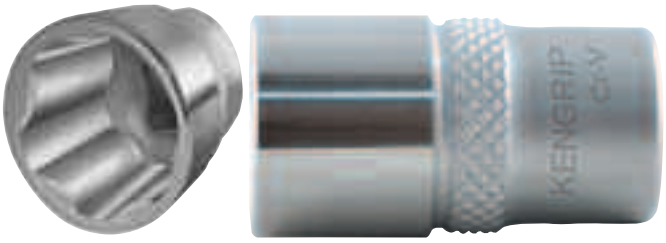


1/4" Square Drive

Size	Overall Length	Weight each	Order Code KEN-582
4.0mm	25.0	10g	**-4161K**
4.5mm	25.0	10g	**-4162K**
5.0mm	25.0	10g	**-4163K**
5.5mm	25.0	10g	**-4164K**
6.0mm	25.0	10g	**-4165K**
7.0mm	25.0	20g	**-4166K**
8.0mm	25.0	20g	**-4167K**
9.0mm	25.0	20g	**-4168K**
10.0mm	25.0	20g	**-4169K**
11.0mm	25.0	30g	**-4170K**
12.0mm	25.0	30g	**-4171K**
13.0mm	25.0	30g	**-4172K**
14.0mm	25.0	40g	**-4173K**

Standard Length Sockets

1/2 Conform to **DIN3124**.

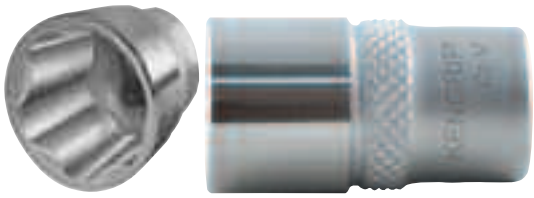


1/2" Square Drive

Size	Overall Length	Weight each	Order Code KEN-582
8.0mm	36.0	50g	**-6871K**
9.0mm	37.0	50g	**-6872K**
10.0mm	37.0	50g	**-6873K**
11.0mm	37.0	50g	**-6874K**
12.0mm	37.0	50g	**-6875K**
13.0mm	37.0	50g	**-6876K**
14.0mm	37.0	50g	**-6877K**
15.0mm	37.0	60g	**-6878K**
16.0mm	37.0	60g	**-6879K**
17.0mm	37.0	60g	**-6880K**
18.0mm	37.0	80g	**-6881K**
19.0mm	37.0	70g	**-6882K**
20.0mm	37.0	80g	**-6883K**
21.0mm	37.0	70g	**-6884K**
22.0mm	37.0	90g	**-6885K**
23.0mm	37.0	110g	**-6886K**
24.0mm	37.0	110g	**-6887K**
25.0mm	40.0	150g	**-6888K**
26.0mm	40.0	140g	**-6889K**
27.0mm	40.0	170g	**-6890K**
28.0mm	40.0	170g	**-6891K**
29.0mm	40.0	170g	**-6892K**
30.0mm	45.0	210g	**-6893K**
32.0mm	45.0	230g	**-6895K**
33.0mm	45.0	230g	**-6898K**
36.0mm	45.0	245g	**-6899K**

Standard Length Sockets

3/8 Conform to **DIN3124**.

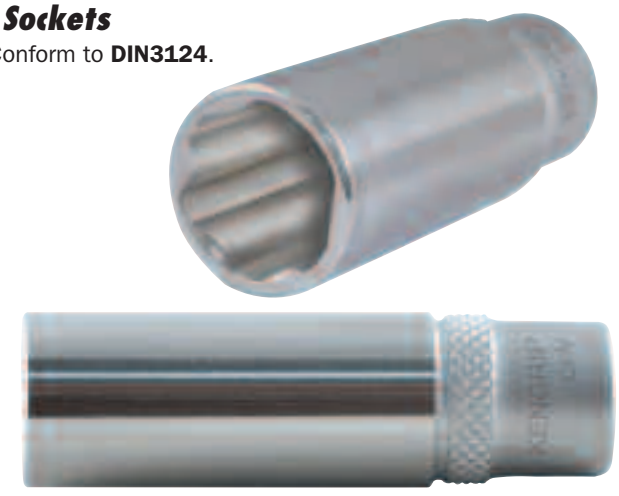


3/8" Square Drive

Size	Overall Length	Weight each	Order Code KEN-582
6.0mm	26.0	30g	**-5832K**
7.0mm	26.0	30g	**-5833K**
8.0mm	26.0	30g	**-5834K**
9.0mm	26.0	30g	**-5835K**
10.0mm	26.0	30g	**-5836K**
11.0mm	26.0	30g	**-5837K**
12.0mm	26.0	30g	**-5838K**
13.0mm	26.0	30g	**-5839K**
14.0mm	30.0	40g	**-5840K**
15.0mm	30.0	40g	**-5841K**
16.0mm	30.0	50g	**-5842K**
17.0mm	30.0	60g	**-5843K**
18.0mm	30.0	70g	**-5844K**
19.0mm	30.0	70g	**-5845K**
20.0mm	30.0	80g	**-5846K**
21.0mm	30.0	80g	**-5847K**
22.0mm	27.0	100g	**-5848K**

Deep Sockets

3/8 Conform to **DIN3124**.



3/8" Square Drive

Size	Overall Length	Weight each	Order Code KEN-582
8.0mm	62.0	40g	**-5849K**
9.0mm	62.0	40g	**-5850K**
10.0mm	62.0	50g	**-5851K**
11.0mm	62.0	50g	**-5852K**
12.0mm	62.0	60g	**-5853K**
13.0mm	62.0	60g	**-5854K**
14.0mm	62.0	70g	**-5855K**
15.0mm	62.0	100g	**-5856K**
16.0mm	62.0	115g	**-5857K**
17.0mm	62.0	130g	**-5858K**
18.0mm	64.0	120g	**-5859K**
19.0mm	64.0	140g	**-5860K**
21.0mm	64.0	155g	**-5861K**
22.0mm	64.0	200g	**-5862K**

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KENNEDY PROFESSIONAL

Side Drive Socket Sets

KENGRIP® Patented Design

1/4" Square Drive 19 Piece Metric Set

1/4

Metric Ken-Grip® Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Accessories: ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.



19 PIECES

Number of Pieces	Weight each	Order Code KEN-582
19	880g	-8800K

3/8" Square Drive 50 Piece Metric Set

3/8

Ken-Grip® Standard & Deep Sockets
Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Deep: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

Screwdriver Bits: Slotted 5, 5.5 and 6.5mm.
Crosspoint No.1, 2, 3, 4.
Sockets: 3, 4, 5, 6, 8 and 10mm.

Accessories: ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, 1/4" and 1/2" male adaptors, 1/4" socket bit coupler. Robust fitted case with security padlock hole and cushion grip handle.



50 PIECES

Number of Pieces	Weight each	Order Code KEN-582
50	3.00kg	-8810K

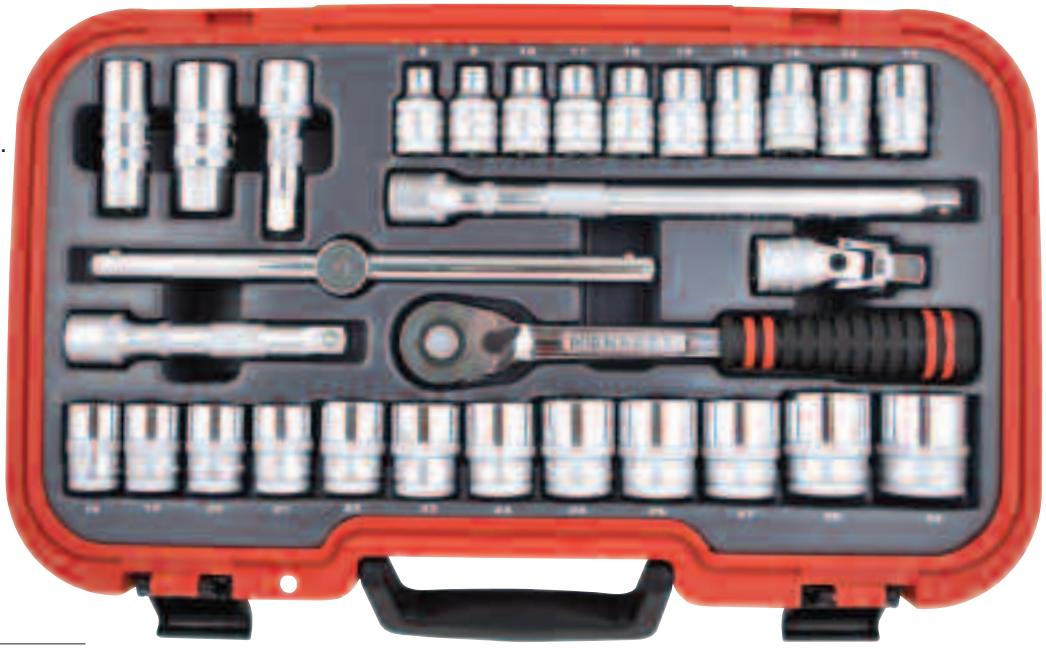
1/2" Square Drive 30 Piece Metric Set

1/2

Ken-Grip®: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 25, 26, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.



30 PIECES

Number of Pieces	Weight each	Order Code KEN-582
30	5.50kg	-8820K

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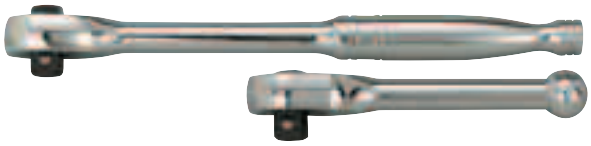
KENNEDY PROFESSIONAL Push Through Steel Handles

1/4 Chrome - molybdenum with mirror polished finish. Push through square drive, needs only 3% movement to operate ratchet.



Type	Overall Length	Weight each	Order Code KEN-582
Standard	125mm	120g	-4025K
Stubby	75mm	70g	-4028K

Disc Type Steel Handle

1/4 Standard wrench with high polished finish. Fitted with spring loaded ball bearing socket retainer. Manufactured from chrome vanadium steel.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
140	20	170g	-4020K

Lever Reversible Rubber Handle

1/4 Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing without having to remove the socket or accessory. With quick release. A high quality wrench for the professional user.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
140mm	72	90g	-4005K

Lever Reversible Steel Handle

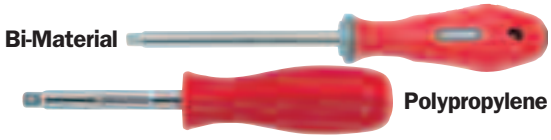
1/4 Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
143mm	72	120g	-4015K

Spinner Handles

1/4 **Fixed Type:** Chrome vanadium blade with spring loaded ball bearing socket retainer. **Overall length:** 150mm.



Handle Type	Weight each	Order Code KEN-582
Bi-Material	110g	-4190K
Polypropelene	110g	-4200K

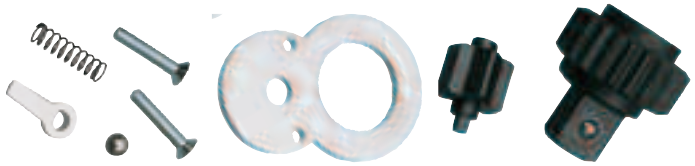
SENATOR QUALITY TOOLING Lever Reversible Rubber Handle

1/4 40 tooth chrome vanadium quick release ratchet with rubber grip, thumb lever for reversing without having to remove the socket or accessory.



Overall Length	Number of Teeth	Weight each	Order Code SEN-582
145	40	120g	-4000K

KENNEDY PROFESSIONAL Ratchet Repair Kits



To suit Ratchet Number	Weight each	Order Code KEN-582
KEN-582-4020K	30g	-4280K
KEN-582-4005K/4015K	30g	-4290K

Swivel Handle

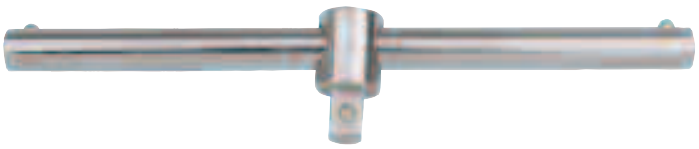
1/4 The hinged link allows operation at varied angles to aid access in restricted areas. Knurled grip.



Overall Length	Weight each	Order Code KEN-582
150mm	125g	-4180K

KENNEDY PROFESSIONAL Sliding 'T' Handle

1/4 Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.



Overall Length	Weight each	Order Code KEN-582
105mm	50g	-4040K

Extension Bars

1/4 Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

Standard



Overall Length	Weight each	Order Code KEN-582
50mm	25g	-4060K
100mm	50g	-4080K
150mm	70g	-4100K
250mm	115g	-4120K

Flexible
Steel wire braid allows access into obstructed areas.

Overall Length	Weight each	Order Code KEN-582
150mm	150g	-4140K

Wobble
In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.



Overall Length	Weight each	Order Code KEN-582
50mm	25g	-4070K
100mm	50g	-4090K
150mm	70g	-4110K
250mm	115g	-4130K

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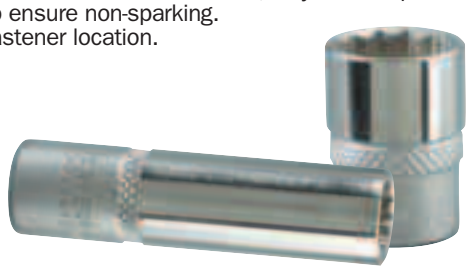
KENNEDY PROFESSIONAL Bi-Hexagon Sockets

1/4 Ideal for assembly and servicing of small precision mechanisms associated with electrical, electronic, ignition and refrigeration work. All bi-hexagon unless stated.

1/4 Double knurl feature gives a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets. Manufactured from chrome vanadium, fully chrome plated with a mirror finish and aluminium-free to ensure non-sparking.
Chamfered leading edge ensures easy fastener location.





Size (mm)	Overall Length	Weight each	Order Code KEN-582
Metric			
4.0	25mm	10g	**-4300K**
4.5	25mm	10g	**-4310K**
5.0	25mm	10g	**-4320K**
5.5	25mm	10g	**-4330K**
6.0	25mm	10g	**-4340K**
7.0	25mm	20g	**-4350K**
8.0	25mm	20g	**-4360K**
9.0	25mm	20g	**-4370K**
10.0	25mm	20g	**-4380K**
11.0	25mm	30g	**-4390K**
12.0	25mm	30g	**-4400K**
13.0	25mm	30g	**-4410K**
14.0	25mm	40g	**-4420K**
Metric (Single Hex)			
4.0	25mm	10g	**-4540K**
5.0	25mm	10g	**-4542K**
5.5	25mm	10g	**-4543K**
6.0	25mm	10g	**-4544K**
7.0	25mm	20g	**-4545K**
8.0	25mm	20g	**-4546K**
9.0	25mm	20g	**-4547K**
10.0	25mm	20g	**-4548K**
11.0	25mm	30g	**-4549K**
12.0	25mm	30g	**-4550K**
13.0	25mm	30g	**-4551K**
14.0	25mm	40g	**-4552K**
Metric (Deep)			
4.0	50mm	10g	**-4670K**
4.5	50mm	10g	**-4671K**
5.0	50mm	10g	**-4672K**
5.5	50mm	10g	**-4673K**
6.0	50mm	10g	**-4674K**
7.0	50mm	20g	**-4675K**
8.0	50mm	20g	**-4676K**
9.0	50mm	20g	**-4677K**
10.0	50mm	20g	**-4678K**
11.0	50mm	30g	**-4679K**
12.0	50mm	30g	**-4680K**
13.0	50mm	30g	**-4681K**
14.0	50mm	40g	**-4682K**
Metric (Single Hex Deep)			
6.0	50mm	10g	**-4566K**
7.0	50mm	10g	**-4567K**
8.0	50mm	10g	**-4568K**
9.5	50mm	10g	**-4569K**
10.0	50mm	10g	**-4570K**
11.0	50mm	20g	**-4571K**
12.0	50mm	20g	**-4572K**
13.0	50mm	20g	**-4573K**
14.0	50mm	40g	**-4574K**

Size (mm)	Overall Length	Weight each	Order Code KEN-582
AF			
3/16"	25mm	10g	**-4450K**
7/32"	25mm	10g	**-4460K**
1/4"	25mm	10g	**-4470K**
9/32"	25mm	20g	**-4480K**
5/16"	25mm	20g	**-4490K**
11/32"	25mm	20g	**-4500K**
3/8"	25mm	30g	**-4510K**
7/16"	25mm	30g	**-4520K**
1/2"	25mm	30g	**-4530K**
9/16"	25mm	30g	**-4532K**
AF (Single Hex)			
3/16"	25mm	10g	**-4430K**
7/32"	25mm	10g	**-4431K**
1/4"	25mm	10g	**-4432K**
9/32"	25mm	20g	**-4433K**
5/16"	25mm	20g	**-4434K**
11/32"	25mm	20g	**-4435K**
3/8"	25mm	30g	**-4436K**
7/16"	25mm	30g	**-4437K**
1/2"	25mm	30g	**-4438K**
9/16"	25mm	30g	**-4439K**
AF (Deep)			
3/16"	50mm	10g	**-4580K**
7/32"	50mm	10g	**-4581K**
1/4"	50mm	10g	**-4582K**
9/32"	50mm	10g	**-4583K**
5/16"	50mm	10g	**-4584K**
11/32"	50mm	20g	**-4585K**
3/8"	50mm	20g	**-4586K**
7/16"	50mm	30g	**-4588K**
1/2"	50mm	50g	**-4590K**
9/16"	50mm	40g	**-4592K**
AF (Single Hex Deep)			
3/16"	50mm	10g	**-4555K**
7/32"	50mm	10g	**-4556K**
1/4"	50mm	10g	**-4557K**
9/32"	50mm	10g	**-4558K**
5/16"	50mm	10g	**-4559K**
11/32"	50mm	20g	**-4560K**
3/8"	50mm	20g	**-4561K**
7/16"	50mm	30g	**-4562K**
1/2"	50mm	50g	**-4563K**
9/16"	50mm	40g	**-4564K**
*Single Hex		**BA**	
0	25mm	30g	**-4600K**
*1	25mm	30g	**-4610K**
2	25mm	20g	**-4620K**
3	25mm	20g	**-4630K**
4	25mm	20g	**-4640K**
*5	25mm	10g	**-4650K**
*6	25mm	10g	**-4660K**

Universal Joint

1/4 Hinged through 180° in both directions. Knurled for extra grip.

Drive male x female: 1/4" x 1/4".



Overall Length	Weight each	Order Code KEN-582
40mm	30g	**-4160K**

Adaptors/Converters

1/4 Chrome vanadium.

Hex Bit Adaptor
Converts square drive tooling to use hexagon bits.



Square Drive x Hex	Overall Length	Weight each	Order Code KEN-582
1/4" x 1/4"	25mm		**-4230K**

Screwdriver Bits

1/4 Manufactured from high quality chrome vanadium, fully polished finish.
Conform to **DIN**.

Overall length: 37mm.

Bit length: 19mm.



Type	Size (mm)	Order Code KEN-582
Slotted	4.0mm	**-4700K**
	5.5mm	**-4710K**
	7.0mm	**-4730K**
Cross Point	No.1	**-4750K**
	No.2	**-4760K**
	No.3	**-4770K**
	No.4	**-4780K**
Hexagon	3.0mm	**-4790K**
	4.0mm	**-4800K**
	5.0mm	**-4810K**
	6.0mm	**-4820K**
	8.0mm	**-4830K**
	1/8"	**-4840K**
	5/32"	**-4850K**
	3/16"	**-4860K**
	7/32"	**-4870K**
	1/4"	**-4880K**
	5/16"	**-4890K**
Torx	T6	**-4685K**
	T7	**-4686K**
	T8	**-4687K**
	T9	**-4688K**
	T10	**-4689K**
	T15	**-4690K**
	T20	**-4691K**
	T25	**-4692K**
	T27	**-4693K**
	T30	**-4694K**
	T40	**-4695K**

Double Ended Lug
For connecting two female square drives



Drive Female x Male	Overall Length	Weight each	Order Code KEN-582
1/4" x 1/4"	25mm		**-4240K**

Drive Converter
For using a combination of square drive sockets in one application.



Drive Female x Male	Overall Length	Weight each	Order Code KEN-582
1/4" x 3/8"	27mm		**-4220K**
3/8" x 1/4"	37mm		**-5180K**

HAND TOOLS

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SENATOR QUALITY TOOLING Lever Reversible Rubber Handle

3/8 With thumb lever for reversing without having to remove the socket or accessory. Highly polished chrome vanadium with rubber grip.



Overall Length	Number of Teeth	Weight each	Order Code SEN-582
200mm	40	345g	**-4940K**

KENNEDY PROFESSIONAL Disc Type Steel Handle

3/8 Basic wrench with high polished finish. Fitted with spring loaded ball bearing socket retainer.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
200mm	42	380g	**-4900K**

Lever Reversible Rubber Handle

3/8 Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing without having to remove the socket or accessory. With quick release. A high quality wrench for the professional user.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
200mm	72	215g	**-4942K**

KENNEDY PROFESSIONAL Swivel Handles

3/8 The hinged link allows operation at varied angles to aid access in restricted areas.



-5060K

-5160K



Grip	Overall Length	Weight each	Order Code KEN-582
Steel	225mm	310g	**-5060K**
Rubber	225mm	225g	**-5160K**

Heavy Duty American Pattern



Grip	Overall Length	Weight each	Order Code KEN-582
American	225mm	310g	**-5065K**
		Components	
Replacement Knuckle			**-5068K**

YAMOTO INDUSTRIAL SOCKET SETS Quick Release Ratchet Handle

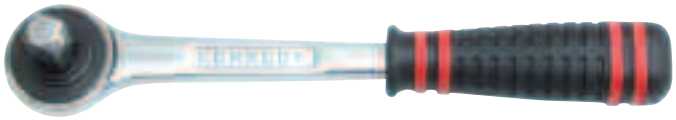
3/8 With thumb lever for reversing without having to remove the socket or accessory. Highly polished chrome vanadium with rubber grip.



Overall Length	Number of Teeth	Weight each	Order Code YMT-582
200mm	72	345g	**-4942K**

Push Through Rubber Handle

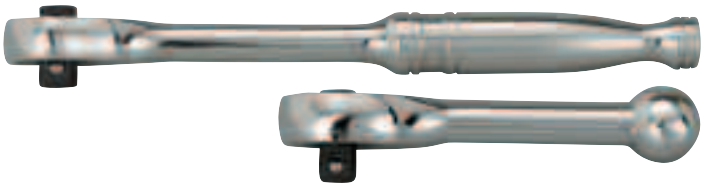
3/8 A very economic wrench with a one way ratchet. Push through square drive allows left and right hand operation.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
200mm	41	205g	**-4930K**

Clutch Type Drive Push Through Steel Handles

3/8 Chrome - molybdenum with mirror polished finish. Clutch type drive action Push through square drive, needs only 3% movement to operate ratchet.



Type	Overall Length	Weight each	Order Code KEN-582
Standard	180mm	220g	**-4945K**
Stubby	105mm	120g	**-4948K**

Lever Reversible Steel Handle

3/8 Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
200mm	72	205g	**-4932K**

Ratchet Repair Kits



To suit Ratchet Number	Weight each	Order Code KEN-582
KEN-582-4900K	70g	**-5220K**
KEN-582-4932/4942K	70g	**-5215K**
KEN-582-4940K	70g	**-5235K**

YAMOTO INDUSTRIAL SOCKET SETS Swivel Handle

3/8 Chrome finish. American style handle.



Overall Length	Weight each	Order Code YMT-582
225mm	310g	**-5060K**

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KENNEDY PROFESSIONAL Extension Bars

3/8 Extensions
Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

Standard



Wobble





Locking

Standard

Overall Length	Weight each	Order Code KEN-582
75mm	80g	-4960K
125mm	130g	-4980K
150mm	150g	-5000K
250mm	280g	-5020K
300mm	340g	-5050K
450mm	430g	-5070K

Locking
A lever at the ratchet end of the extension pushes down a rod inside the bar which locks out the socket retaining ball, securing the socket to the bar. Ideal for use where there is a risk of leaving a socket in a recess.

Overall Length	Weight each	Order Code KEN-582
300mm	15g	-5150K

Wobble
In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.

Overall Length	Weight each	Order Code KEN-582
75mm	65g	-5110K
150mm	120g	-5120K
250mm	260g	-5140K

YAMOTO INDUSTRIAL SOCKET SETS Composite Ratchet Handle

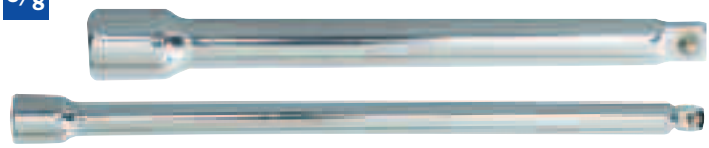
3/8 With reverse lever, push button quick release. Offset handle to help eliminate knuckle scrapes. 72-tooth gear drive for maximum power and chrome vanadium core for strength.



Overall Length	Number of Teeth	Weight each	Order Code YMT-582
200mm	72	235g	-7510K

Extensions

3/8 Chrome finish.



Type	Overall Length (mm)	Weight each	Order Code YMT-582
Standard	75	75g	-4960K
Standard	150	145g	-5000K
Wobble	250	235g	-5140K

Spinner Handle Fixed Type

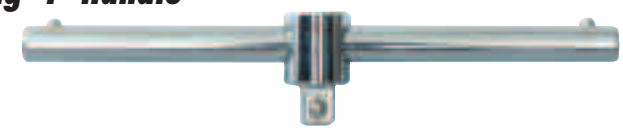
3/8



Overall Length	Weight each	Order Code YMT-582
150mm	240g	-5100K

Sliding 'T' Handle

3/8



Overall Length	Weight each	Order Code YMT-582
165mm	185g	-4920K

Universal Joint

3/8 High polished chrome finish. Hinged through 180° in both directions.



Drive Male x Female	Overall Length	Weight each	Order Code YMT-582
3/8" x 3/8"	50mm	60g	-5040K

Spinner Handle Fixed Type

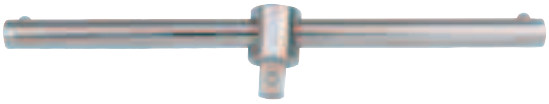
3/8 Chrome vanadium steel blade, polypropylene handle and spring loaded bearing socket retainer.



Overall Length	Weight each	Order Code KEN-582
210mm	240g	-5100K

Sliding 'T' Handle

3/8 Made from high quality chrome vanadium with a fully polished finish. The sliding bar gives many options for leverage within any space.



Overall Length	Weight each	Order Code KEN-582
165mm	185g	-4920K

Speed Braces

3/8 Manufactured from high quality chrome vanadium, fully polished finish. Ideal for nut spinning.

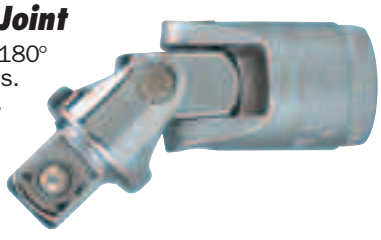
Rubber Grip
KEN -582-5080K



Grip	Overall Length	Weight each	Order Code KEN-582
American Pattern	425mm	500g	-5090K
	470mm	410g	-5030K
Rubber Grip	400mm	470g	-5080K

KENNEDY PROFESSIONAL Universal Joint

3/8 Hinged through 180° in both directions. Knurled for extra grip.



Drive Male x Female	Overall Length	Weight each	Order Code KEN-582
3/8" x 3/8"	50mm	60g	-5040K

HAND TOOLS

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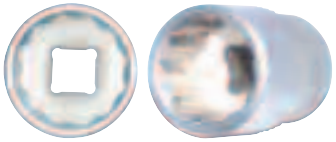
Socket Styles

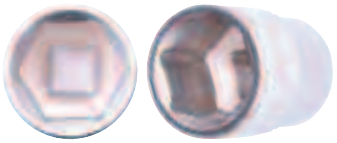
Used in automotive and aerospace. The weight to strength ratio ensures the reliability and accessibility that is so important in this type of production environment.



Bi-Hexagon Sockets
12 point – side drive design gives a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. All have a ball-retaining groove on each face of the square drive, which ensures a positive fit with accessories. Require only a one-twelfth turn to engage the next point of the socket.



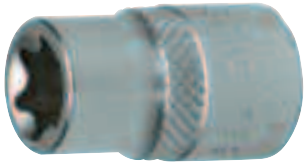
Single-Hexagon Sockets
6 point - Offer a more positive location, particularly on worn or rounded nuts, but require a one-sixth turn to engage the next point of the socket.



KENNEDY PROFESSIONAL

TX Sockets

Chrome vanadium.
For use with male headed TX fasteners commonly found in the automotive industry.
29mm overall length and each weighing 45g.



Size	Order Code KEN-582
E6	-5960K
E8	-5962K
E10	-5964K
E12	-5966K
E14	-5968K
E16	-5970K

Bi-Hexagon Standard Length Sockets





KENNEDY PROFESSIONAL — YAMOTO INDUSTRIAL SOCKET SETS

Type	Size	Overall Length	Weight each	Order Code KEN-582	Order Code YMT-582
Metric 3/8	6mm	26	30g	-5240K	-5240K
	7mm	26	30g	-5250K	-5250K
	8mm	26	30g	-5260K	-5260K
	9mm	26	30g	-5270K	-5270K
	10mm	26	30g	-5280K	-5280K
	11mm	26	30g	-5290K	-5290K
	12mm	26	30g	-5300K	-5300K
	13mm	26	30g	-5310K	-5310K
	14mm	30	40g	-5320K	-5320K
	15mm	30	40g	-5330K	-5330K
	16mm	30	50g	-5340K	-5340K
	17mm	30	60g	-5350K	-5350K
	18mm	30	70g	-5360K	-5360K
	19mm	30	70g	-5370K	-5370K
	20mm	30	80g	-5380K	-5380K
	21mm	30	80g	-5390K	-5390K
	22mm	27	100g	-5400K	-5400K
AF 3/8	1/4"	27	30g	-5430K	-5430K
	5/16"	27	30g	-5440K	-5440K
	11/32"	27	30g	-5450K	-5450K
	3/8"	27	30g	-5460K	-5460K
	7/16"	27	30g	-5470K	-5470K
	1/2"	27	30g	-5480K	-5480K
	9/16"	27	40g	-5490K	-5490K
	5/8"	27	50g	-5500K	-5500K
	11/16"	30	60g	-5510K	-5510K
	3/4"	25	70g	-5520K	-5520K
	13/16"	27	80g	-5530K	-5530K
	7/8"	27	10g	-5540K	-5540K
Whit 3/8	1/8"	27	35g	-5580K	-
	3/16"	27	45g	-5590K	-
	1/4"	30	45g	-5600K	-
	5/16"	30	45g	-5610K	-
	3/8"	30	45g	-5620K	-
	7/16"	30	85g	-5630K	-
	1/2"	30	120g	-5640K	-

Deep Sockets





Type	Size	Overall Length	Weight each	Order Code KEN-582	Order Code YMT-582
Metric 3/8	8mm	62	40g	-5700K	-
	9mm	62	40g	-5710K	-
	10mm	62	50g	-5720K	-5720K
	11mm	62	50g	-5730K	-5730K
	12mm	62	60g	-5740K	-5740K
	13mm	62	60g	-5750K	-5750K
	14mm	62	70g	-5760K	-5760K
	15mm	62	100g	-5770K	-5770K
	16mm	62	115g	-5780K	-
	17mm	62	130g	-5790K	-5790K
	18mm	64	120g	-5800K	-
	19mm	64	140g	-5810K	-5810K
	21mm	64	155g	-5820K	-
	22mm	64	200g	-5830K	-5830K
AF 3/8	3/8"	63	45g	-5870K	-5870K
	7/16"	63	50g	-5880K	-5880K
	1/2"	63	60g	-5890K	-5890K
	9/16"	63	60g	-5900K	-5900K
	5/8"	65	110g	-5910K	-5910K
	11/16"	65	120g	-5920K	-5920K
	3/4"	65	135g	-5930K	-5930K
	13/16"	65	160g	-5940K	-5940K

Single-Hexagon Standard Length



Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric Single Hex 3/8	6mm	26	30g	-5554K
	7mm	26	30g	-5555K
	8mm	26	30g	-5556K
	9mm	26	30g	-5557K
	10mm	26	30g	-5558K
	11mm	26	30g	-5559K
	12mm	26	30g	-5560K
	13mm	26	30g	-5561K
	14mm	30	40g	-5562K
	15mm	30	40g	-5563K
	16mm	30	50g	-5564K
	17mm	30	60g	-5565K
	18mm	30	70g	-5566K
	19mm	30	70g	-5567K

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KENNEDY PROFESSIONAL Double Lug

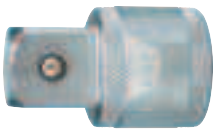
3/8 Chrome vanadium. For connecting two female square drives. 25mm long.



Drive Male x Male	Weight each	Order Code KEN-582
3/8" x 3/8"	10g	-5170K

Female/Male Converters

3/8 Chrome vanadium. For using a combination of square drive socketry in the same application.



Drive Female x Male	Weight each	Order Code KEN-582
3/8" x 1/4"	20g	-5180K
3/8" x 1/2"	40g	-5190K
1/2" x 3/8"	50g	-6700K

Hex Bit Adaptor

3/8 Chrome vanadium. For converting square drive tooling to use hexagon bits.



Drive x Hex	Overall Length	Weight each	Order Code KEN-582
3/8"x1/4"	30mm	30g	-5200K

Spark Plug Sockets

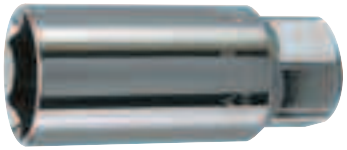
3/8 Designed for insertion and removal of the spark plug. The neoprene insert helps retain and protect the insulation from accidental damage.



Size (Plug)	Overall Length	Weight each	Order Code KEN-582
M10	65mm	110g	-5670K
M12	65mm	110g	-5680K
M14	68mm	140g	-5660K

YAMOTO INDUSTRIAL SOCKET SETS Spark Plug Sockets

3/8 For insertion and removal of spark plugs. Neoprene insert helps retain the spark plug and protect the insulation material from damage.



Size (Plug)	Overall Length	Weight each	Order Code YMT-582
M10	65mm	110g	-5670K
M14	68mm	140g	-5660K

Hex Bit Adaptor

3/8 Chrome vanadium. For converting square drive tooling to use hexagon bits.



Drive x Hex	Overall Length	Weight each	Order Code YMT-582
3/8"x1/4"	30mm	15g	-5200K

Screwdriver Bit Sockets

Often used in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is important in this type of environment. Made from chrome vanadium steel, fully chrome plated with an aluminium free mirror finish. All have ball retaining grooves. Conform to **DIN standards**.





Size	Bit Lgth (mm)	Overall Lgth (mm)	Weight each	KENNEDY PROFESSIONAL Order Code KEN-582	YAMOTO INDUSTRIAL SOCKET SETS Order Code YMT-582
Hexagon					
3mm	20	50	25g	-6000K	-6000K
4mm	20	50	30g	-6010K	-6010K
5mm	20	50	30g	-6020K	-6020K
6mm	20	50	35g	-6030K	-6030K
8mm	20	50	45g	-6040K	-6040K
10mm	20	50	55g	-6050K	-6050K
1/8"	20	50	25g	-6080K	-
5/32"	20	50	30g	-6090K	-
3/16"	20	50	30g	-6100K	-
7/32"	20	50	35g	-6110K	-
1/4"	20	50	40g	-6120K	-
5/16"	20	50	45g	-6130K	-
3/8"	20	50	55g	-6140K	-
Crosspoint					
No 1	20	50	50g	-6201K	-6201K
No 2	20	50	50g	-6202K	-6202K
No 3	20	50	55g	-6203K	-6203K
No 4	20	50	55g	-6204K	-
PZ					
No 1	20	50	50g	-6211K	-
No 2	20	50	50g	-6212K	-
No 3	20	50	55g	-6213K	-
Slotted					
3/16"	20	50	50g	-6222K	-6222K
7/32"	20	50	50g	-6223K	-
1/4"	20	50	55g	-6224K	-6224K
TX					
T6	20	50	50g	-6231K	-
T7	20	50	50g	-6232K	-
T8	20	50	50g	-6233K	-
T9	20	50	50g	-6234K	-
T10	20	50	50g	-6235K	-6235K
T15	20	50	50g	-6236K	-6236K
T20	20	50	55g	-6237K	-6237K
T25	20	50	50g	-6238K	-6238K
T27	20	50	55g	-6239K	-
T30	20	50	55g	-6241K	-6241K
T40	20	50	55g	-6242K	-6242K
T45	20	50	55g	-6243K	-
T50	20	50	55g	-6244K	-6244K

KENNEDY PROFESSIONAL Long Screwdriver Bit Sockets & Socket Bit Sets

Ideal for accessing deep seated bolts that have been fitted knurled bodies for extra grip. Made from S2 chrome vanadium. Supplied on storage rail.

Hexagon



6 Piece Set Contents:
4, 5, 6, 7, 8, 10mm.

6 PIECES

TX



6 Piece Set Contents:
T20, T25, T30, T40 T45 and T50

Bit Sets

Description	Weight each	Order Code KEN-582
Hexagon 6 Piece Set	310g	-6324K
TX 6 Piece Set	410g	-6340K

Individual Bits - Hexagon

Size	Overall Length	Weight each	Order Code KEN-582
4mm	100mm	40g	-6314K
5mm	100mm	40g	-6315K
6mm	100mm	45g	-6316K
7mm	100mm	45g	-6317K
8mm	100mm	55g	-6318K
10mm	100mm	65g	-6320K

Individual Bits - TX

Size	Overall Length	Weight each	Order Code KEN-582
T20	95mm	65g	-6330K
T25	95mm	65g	-6331K
T30	95mm	65g	-6332K
T40	95mm	65g	-6334K
T45	95mm	65g	-6335K
T50	95mm	65g	-6336K

HAND TOOLS

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1/2 **1/2" DRIVE:** The most popular drive size used in the service and maintenance industries. This popularity is due to its strength and robust nature.

KENNEDY PROFESSIONAL Lever Reversible Rubber Handle

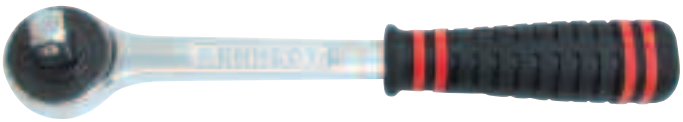
1/2 Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing without having to remove the socket or accessory. With quick release. A high quality wrench for the professional user.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
240mm	72	430	**-6422K**

Push Through Rubber Handle

1/2 A very economic wrench with a one way ratchet. Push through square drive allows left and right hand operation.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
270mm	30	500g	**-6430K**

Lever Reversible Steel Handle

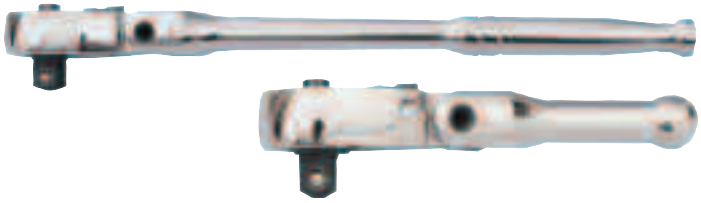
1/2 Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
250mm	72	510g	**-6412K**

Lever Reversible Steel Handle Flexi-Joint

1/2 Fully chromed lever type. All steel handle. The hinged joint gives additional capability in areas of restricted access.



Type	Overall Length	Weight each	Order Code KEN-582
Standard	420	860g	**-6370K**
Stubby	198	110g	**-6375K**

Push Through Steel Handle - Gearless

1/2 Chrome - molybdenum with mirror polished finish. Push through square drive, needs only 3% movement to operate gearless ratchet.



Overall Length	Weight each	Order Code KEN-582
250mm	470g	**-6435K**

Disc Type Steel Handle

1/2 Basic wrench with high polished finish. Fitted with spring loaded ball bearing socket retainer.



Product Number	Number of Teeth	Weight each	Order Code KEN-582
245mm	44	655g	**-6400K**

YAMOTO INDUSTRIAL SOCKET SETS Quick Release Ratchet Handle

1/2 With thumb lever for reversing without having to remove the socket or accessory. Highly polished chrome vanadium with rubber grip.



Overall Length	Number of Teeth	Weight each	Order Code YMT-582
250mm	72	510g	**-6412K**

Composite Ratchet Handle

1/2 Quality composite reversible ratchet handle with reverse lever, push button quick release and an offset handle to help eliminate knuckle scrapes. Manufactured from composite material making it very light yet still very hard wearing. 72-tooth gear drive for maximum power and chrome vanadium core for strength.



Overall Length	Number of Teeth	Weight each	Order Code YMT-582
250mm	72	435g	**-7512K**

SENATOR QUALITY TOOLING Lever Reversible Rubber Handle

1/2 With thumb lever for reversing without having to remove the socket or accessory. Highly polished chrome vanadium with rubber grip.



Overall Length	Number of Teeth	Weight each	Order Code SEN-582
245mm	44	640g	**-6400K**

YAMOTO INDUSTRIAL SOCKET SETS Universal Joint

1/2 Hinged through 180° in both directions. Knurled for extra grip.



Drive M x F	Overall Length	Weight each	Order Code YMT-582
1/2"x 1/2"	75mm	155g	**-6580K**

KENNEDY QUALITY INDUSTRIAL TOOLING Ratchet Repair Kits



To suit Ratchet Number	Order Code KEN-582
KEN-582-6400K	**-6740K**
KEN-582-6412K/-6422K	**-6725K**
KEN-582-6380K/-6390K	**-6745K**

Universal Joint

1/2 Hinged through 180° in both directions. Knurled for extra grip.



Drive M x F	Overall Length	Weight each	Order Code KEN-582
1/2"x 1/2"	75mm	155g	**-6580K**

HAND TOOLS

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KENNEDY PROFESSIONAL Speed Braces

½ Rubber grip, for fast nut spinning. Manufactured from high quality chrome vanadium, fully polished finish. Ideal for nut spinning.



Handle Type	Overall Length	Weight each	Order Code KEN-582
Rubber Grip	400mm	470g	-6560K
Steel Grip	425mm	510g	-6600K

Extension Bars

½ Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

Standard



Overall Length	Weight each	Order Code KEN-582
75mm	140g	-6460K
125mm	225g	-6480K
250mm	440g	-6500K
375mm	630g	-6520K
450mm	735g	-6530K

Wobble

In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.



Overall Length	Weight each	Order Code KEN-582
75mm	65g	-6630K
125mm	120g	-6640K
250mm	260g	-6660K

Locking

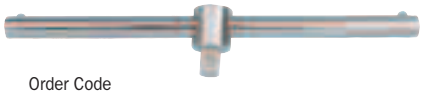
A lever at the ratchet end of the extension pushes down a rod inside the bar which locks out the socket retaining ball, securing the socket to the bar. Ideal for use where there is a risk of leaving a socket in a recess.



Overall Length	Weight each	Order Code KEN-582
375mm	65g	-6670K

Sliding 'T' Handle

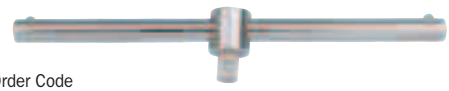
½ Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.



Overall Length	Weight each	Order Code KEN-582
250mm	360g	-6440K

YAMOTO INDUSTRIAL SOCKET SETS Sliding 'T' Handle

½ Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.



Overall Length	Order Code YMT-582
250mm	-6370K

Extension Bars

½ Chrome finish.

Standard



Overall Length	Weight each	Order Code YMT-582
75mm	125g	-6460K
125mm	195g	-6480K
250mm	385g	-6500K

KENNEDY PROFESSIONAL Swivel Handles

½ The hinged link allows operation at varied angles to aid access in restricted areas.

American Grip



American Grip - Heavy Duty



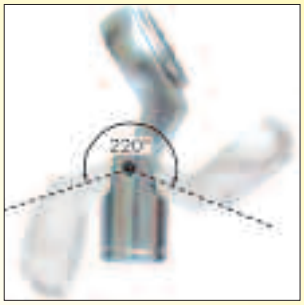
Grip	Overall Length	Weight each	Order Code KEN-582
Rubber	300mm	645g	-6570K
American	375mm	540g	-6540K
American	450mm	830g	-6550K

Grip	Overall Length	Weight each	Order Code KEN-582
Heavy Duty			
American	450mm	1099g	-6545K
American	600mm	1376g	-6555K
Service Parts			
Replacement Knuckle			-6548K

½ Flexi-Ring End Sockets

Made from polished chrome vanadium. These tough flexi-ring end sockets are designed to allow access over long studs and for awkwardly positioned nuts and bolts. Swivels through 220°.

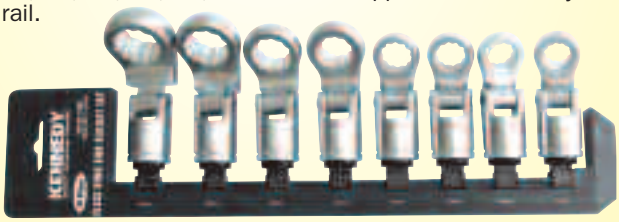




Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric ½	13mm	70mm	124g	-1180K
	14mm	70mm	123g	-1181K
	15mm	70mm	121g	-1182K
	16mm	70mm	119g	-1183K
	17mm	77mm	158g	-1184K
	19mm	77mm	152g	-1185K
	22mm	82mm	193g	-1186K
	24mm	86mm	213g	-1187K

8 Piece Metric Set Contents:

13, 14, 15, 16, 17, 19, 22, and 24mm. Supplied with a sturdy hanging rail.



Number of Pieces	Contents	Weight each	Order Code KEN-582
8	As above	1.3kg	-1190K

Offset Fixed Handle

½ Knurled grip. Chrome vanadium. Fixed wrench for applications requiring rigid set up.



Overall Length	Weight each	Order Code KEN-582
200mm	255g	-6590K

YAMOTO INDUSTRIAL SOCKET SETS Swivel Handles

½ With hinged link and rubber grip.



Overall Length	Weight each	Order Code YMT-582
300mm	645g	-6570K
380mm	770g	-6575K

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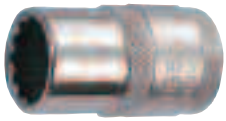
Bi-Hexagon Standard Length Sockets





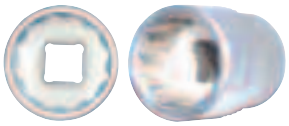
Type	Size	Overall Length	Weight each	Order Code KEN-582	Order Code YMT-582
Metric ½	8mm	36	50g	-6900K	-6900K
	9mm	37	50g	-6910K	-6910K
	10mm	37	50g	-6920K	-6920K
	11mm	37	50g	-6930K	-6930K
	12mm	37	50g	-6940K	-6940K
	13mm	37	50g	-6950K	-6950K
	14mm	37	50g	-6960K	-6960K
	15mm	37	60g	-6970K	-6970K
	16mm	37	60g	-6980K	-6980K
	17mm	37	60g	-6990K	-6990K
	18mm	37	80g	-7000K	-7000K
	19mm	37	70g	-7010K	-7010K
	20mm	37	80g	-7020K	-7020K
	21mm	37	70g	-7030K	-7030K
	22mm	37	90g	-7040K	-7040K
	23mm	37	110g	-7050K	-7050K
	24mm	37	110g	-7060K	-7060K
	25mm	40	150g	-7070K	-7070K
	26mm	40	140g	-7080K	-7080K
	27mm	40	170g	-7090K	-7090K
	28mm	40	170g	-7100K	-7100K
	29mm	40	170g	-7110K	-7110K
	30mm	45	210g	-7120K	-7120K
	32mm	45	230g	-7130K	-7130K
	33mm	45	230g	-7140K	-7140K
	36mm	45	245g	-7150K	-7150K
AF ½	5/16"	37	50g	-7160K	-7160K
	3/8"	37	50g	-7170K	-7170K
	7/16"	37	50g	-7180K	-7180K
	1/2"	37	50g	-7190K	-7190K
	9/16"	37	50g	-7200K	-7200K
	19/32"	37	60g	-7210K	-
	5/8"	37	60g	-7220K	-7220K
	11/16"	37	60g	-7230K	-7230K
	3/4"	37	70g	-7240K	-7240K
	13/16"	37	80g	-7250K	-7250K
	7/8"	40	90g	-7260K	-7260K
	15/16"	40	110g	-7270K	-7270K
	1"	40	130g	-7280K	-7280K
	1 1/16"	40	160g	-7290K	-7290K
	1 1/8"	40	170g	-7300K	-7300K
	1 3/16"	45	200g	-7310K	-
	1 1/4"	45	230g	-7320K	-7320K
Whit ½	1/8"	37	50g	-7380K	-
	3/16"	37	50g	-7390K	-7390K
	1/4"	37	50g	-7400K	-7400K
	5/16"	37	60g	-7410K	-7410K
	3/8"	37	50g	-7420K	-7420K
	7/16"	37	70g	-7430K	-7430K
	1/2"	40	90g	-7440K	-7440K
	9/16"	40	140g	-7450K	-7450K
	5/8"	40	170g	-7460K	-7460K
	11/16"	45	220g	-7470K	-
	3/4"	45	220g	-7480K	-

Socket Styles

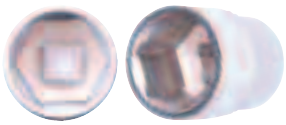
Used in automotive and aerospace. The weight to strength ratio ensures the reliability and accessibility that is so important in this type of production environment.



Bi-Hexagon Sockets
12 point - side drive design gives a higher torque than normal sockets, grip worn nuts and will not round off existing nuts.
All have a ball-retaining groove on each face of the square drive, which ensures a positive fit with accessories. Require only a one-twelfth turn to engage the next point of the socket.



Single Hexagon Sockets
Six point - offer a more positive location, particularly on worn or rounded nuts, but require a one-sixth turn to engage the next point of the socket.



Single Hexagon Standard Length Sockets

Six point - offer a more positive location, particularly on worn or rounded nuts, but require a one-sixth turn to engage the next point of the socket.



Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric ½	8mm	36	50g	-7346K
	9mm	37	50g	-7347K
	10mm	37	50g	-7348K
	11mm	37	50g	-7349K
	12mm	37	50g	-7350K
	13mm	37	50g	-7351K
	14mm	37	50g	-7352K
	15mm	37	60g	-7353K
	16mm	37	60g	-7354K
	17mm	37	60g	-7355K
	18mm	37	80g	-7356K
	19mm	37	70g	-7357K
	20mm	37	80g	-7358K
	21mm	37	70g	-7359K
	22mm	37	90g	-7360K
	23mm	37	110g	-7361K
	24mm	37	110g	-7362K
	26mm	40	140g	-7364K
	27mm	40	170g	-7365K
	28mm	40	170g	-7366K
	30mm	45	210g	-7368K
	32mm	45	230g	-7370K
	36mm	45	245g	-7374K

Bi-Hexagon Deep Sockets



Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric ½	10mm	77	100g	-7530K
	11mm	77	110g	-7540K
	12mm	77	110g	-7550K
	13mm	77	110g	-7560K
	14mm	77	110g	-7570K
	15mm	77	130g	-7580K
	16mm	77	120g	-7590K
	17mm	77	120g	-7600K
	18mm	77	150g	-7610K
	19mm	77	150g	-7620K
	21mm	77	160g	-7630K
	22mm	77	200g	-7640K
	24mm	77	220g	-7650K
	26mm	77	210g	-7660K
	27mm	77	250g	-7670K
	30mm	77	320g	-7680K
	32mm	77	340g	-7690K
AF ½	1/2"	77	110g	-7700K
	9/16"	77	100g	-7710K
	5/8"	77	120g	-7720K
	11/16"	77	110g	-7730K
	3/4"	77	140g	-7740K
	13/16"	77	160g	-7750K
	7/8"	77	190g	-7760K
	15/16"	77	220g	-7770K
	1"	77	200g	-7780K
	1 1/8"	77	270g	-7790K
	1 1/4"	77	390g	-7800K

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KENNEDY PROFESSIONAL E-TX S Sockets

½ Chrome vanadium. For use with male headed TX fasteners commonly found in the automotive industry.



Size (Plug)	Overall Length	Weight each	Order Code KEN-582
E10	37mm	50g	-7485K
E12	37mm	55g	-7487K
E14	37mm	55g	-7489K
E16	37mm	55g	-7491K
E18	37mm	70g	-7493K
E20	37mm	90g	-7495K

Double Ended Lug

½ Chrome vanadium. For connecting two female square drives.



Drive Male x Male	Weight each	Order Code KEN-582
½" x ½"	35g	-6750K

Hex Bit Adaptors

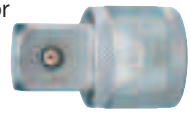
½ Chrome vanadium. For converting square drive tooling to use hexagon bits.



Drive x Hex	Overall Length	Weight each	Order Code KEN-582
½"x¼"	35mm	40g	-6710K
½"x5/16"	75mm	45g	-6720K

Female/Male Converters

½ Chrome vanadium. For using a combination of square drive socketry in the same application.



Drive Female x Male	Weight each	Order Code KEN-582
⅜" x ½"	40g	-5190K
½" x ¾"	40g	-6680K
½" x ⅜"	50g	-6700K
¾" x ½"	55g	-8120K

Spark Plug Sockets

½ Designed for insertion/ removal of spark plugs. The neoprene insert helps retain the spark plug and protect the insulation material from accidental damage. A unique double knurl gives a high grip essential for a quick tool change when hands are greasy.



Size (Plug)	Overall Length	Weight each	Order Code KEN-582
M10	65mm	85g	-7520K
M14	67mm	150g	-7500K

YAMOTO INDUSTRIAL SOCKET SETS Spark Plug Sockets

½ A neoprene insert helps retain the spark plug and protect the insulation material from accidental damage. A ball-retaining groove on each face ensures a positive fit with all accessories. Chamfered leading edge gives easy location.



Size (Plug)	Overall Length	Weight each	Order Code YMT-582
M10	65mm	85g	-7520K
M14	67mm	150g	-7500K

Screwdriver Bits

For insertion and removal of fasteners and fixings using ½" square drive tooling. Made from chrome vanadium steel, fully chrome plated with a mirror finish and aluminium-free to ensure non-sparking. All have ball retaining groove on each face of the square drive. Conform to **DIN standards**.





Size	Bit Lgth (mm)	Overall Lgth (mm)	Weight each	KENNEDY PROFESSIONAL Order Code KEN-582	YAMOTO INDUSTRIAL SOCKET SETS Order Code YMT-582
		Slotted			
8mm	20	55	80g	-7832K	-
9mm	20	55	80g	-7834K	-7809K
10mm	20	55	90g	-	-7810K
12mm	20	55	100g	-7836K	-
14mm	20	55	130g	-7838K	-
16mm	20	55	140g	-7839K	
		Hexagon			
4mm	20	55	80g	-7840K	-7840K
5mm	20	55	70g	-7841K	-7841K
6mm	20	55	70g	-7842K	-7842K
7mm	20	55	70g	-7843K	-
7mm	20	100	110g	-7807K	-
8mm	20	55	70g	-7844K	-7844K
10mm	20	55	80g	-7845K	-7845K
12mm	20	55	100g	-7846K	-7846K
14mm	20	65	160g	-7847K	-7847K
17mm	20	70	205g	-7848K	-7848K
19mm	20	70	245g	-7849K	-7849K
3/16"	20	55	58g	-7851K	-
¼"	20	55	59g	-7853K	-
5/16"	20	55	65g	-7854K	-
⅜"	20	55	76g	-7855K	-
½"	20	55	107g	-7856K	-
9/16"	20	55	144g	-7857K	-
¾"	20	70	144g	-7859K	-
		Crosspoint			
No.2	20	55	55g	-7861K	-7861K
No.3	20	55	65g	-7862K	-7862K
No.4	20	55	70g	-7863K	-7863K
		PZ			
No.2	17	55	70g	-7865K	-
No.3	17	55	75g	-7866K	-
No.4	17	55	80g	-7867K	-
		TX			
T20	20	58	60	-7870K	-
T25	17	55	70	-7871K	-
T27	17	55	70	-7872K	-
T30	17	55	70	-7873K	-
T40	17	55	70	-7874K	-
T45	17	55	70	-7875K	-
T50	17	55	70	-7876K	-
T55	17	55	80	-7877K	-
T60	17	55	105	-7878K	-
T70	17	55	115	-7879K	-

KENNEDY PROFESSIONAL Spline Screwdriver Bit Set

6 Piece set containing short bits for bolts in tight areas and long bits for accessing deep seated, tight fitted spline bolts. Handy storage rail supplied.



6 PIECES

Description	Weight each	Order Code KEN-582
6 Piece Set (M6-M14)	665g	-7340K

Individual Bits

Size	Overall Length	Weight each	Order Code KEN-582
M6	55mm	58g	-7322K
M8	55mm	65g	-7324K
M8	100mm	84g	-7326K
M10	100mm	103g	-7328K
M12	100mm	136g	-7330K
M14	100mm	181g	-7332K

HAND TOOLS

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KENNEDY PROFESSIONAL Screwdriver Bit Socket Sets

½ Used most often in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is so important in this type of production environment. For insertion and removal of fasteners and fixings using ½"square drive tooling. Unique knurled body gives extra grip which is essential for a quick tool change when your hands are greasy/oily. **Registered Design No. 2053516UK.** Manufactured from chrome vanadium steel and are fully chrome plated with an aluminium free mirror finish. All have ball retaining groove on each face of the square drive. Conform to **DIN standards**.

Overall length: 55mm. **Bit length:** 20mm.

Engineers' 20 Piece Set Contents:

Crosspoint
No.2, 3 and 4.

Hexagon
4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm, 3/16", 1/4", 5/16", 3/8", 1/2", 9/16" and 3/4".

20 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-582
20	As above	1.90kg	-7880K

Mechanic's 20 Piece Set Contents:

Slotted:
8, 9, 12, 14, and 16mm.

TX:
T20, T25, T27, T30, T40, T45, T50, T55 and T60.

Crosspoint:
No.2, 3 and 4.

PZ
No.2, 3 and 4.

20 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-582
20	As above	2.50kg	-7890K

Hexagon Bit and Adaptor Set

½ ½" square drive bit adaptor set contains a 10mm hex, ½" drive hand socket. Supplied in robust storage case.

Set Contents:

Hexagon
4, 5, 6, 8, 10 and 12mm.

7 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-582
7	As above	2.55kg	-7900K

Stud Puller Set

½ Chrome vanadium clamping rollers grip worn or rounded fixings by compressing onto the fixing as the socket is turned, applying pressure to grip, turn and remove. Unscrews left and right hand threads.

Set Contents:
6mm, 8mm, 10mm, 12mm.

4 PIECES



Number of Pieces	Contents	Weight each	Order Code KEN-582
4	As above	835g	-9480K

Stud Extractor

½ Manufactured from chrome alloy steel with a bright nickel and chrome finish. The locking wheel has a black oxidised finish. To use, place the extractor over the stud, then fit any ½" square drive handle and turn. The locking wheel moves into place to grip the stud and then remove it. 58mm outside diameter x 65mm high.



Range (mm)	Weight each	Order Code KEN-582
6 - 19	585g	-6760K

KENNEDY QUALITY INDUSTRIAL TOOLING Oil Filter Cap Wrench Set

Cap type filter wrenches manufactured from chrome vanadium with a satin finish. Use with 3/8" or 1/2" sq drive wrenches to remove paper cartridge style oil filters.

Contents: 24, 27, 30, 32, 36, 38mm & ½" - 3/8" adaptor.

7 PIECES



Diameter (mm)	Weight each	Order Code KEN-503
60 - 140	430g	-1790K

HAND TOOLS

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3/4 3/4" DRIVE: A heavy duty range designed to cope with the demands of industrial, agricultural machinery and heavy plant, static or mobile.

KENNEDY PROFESSIONAL Swivel Handle

3/4 The hinged link allows operation at varied angles to aid access in restricted areas.



Grip	Overall Length	Weight each	Order Code KEN-582
Knurled	475mm	1.90kg	**-8100K**

Sliding 'T' Handle

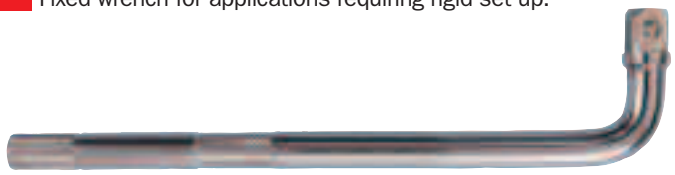
3/4 Manufactured from high quality chrome vanadium with a fully polished finish. Sliding bar gives many options for leverage within a given space.



Overall Length	Weight each	Order Code KEN-582
450mm	1.35kg	**-8040K**

Offset Fixed Handle

3/4 Knurled grip. Chrome vanadium. Fixed wrench for applications requiring rigid set up.



Overall Length	Weight each	Order Code KEN-582
300mm	255g	**-8090K**

Universal Joint

3/4 Knurled for extra grip.

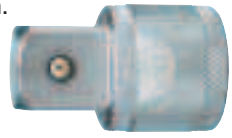


Male x female: 3/4" x 3/4".

Overall Length	Order Code KEN-582
110mm	**-8020K**

Drive Converters

3/4 For using a combination of square sockets in one application.



Drive F x M	Order Code KEN-582
3/4" x 1"	**-8140K**
1" x 3/4"	**-9140K**

Lever Reversible Steel Handle

3/4 Spring loaded ball bearing socket retainer. A high quality wrench for the professional user.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
500mm	24	2.40kg	**-8000K**

Disc Type Steel Handle

3/4 50 tooth reversible ratchet.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
500mm	50	3.00kg	**-8045K**

Non-Reversible Rubber Grip Quick Release

3/4 36 tooth ratchet.



Overall Length	Number of Teeth	Weight each	Order Code KEN-582
480mm	36	1.50kg	**-8050K**

Extension Bars

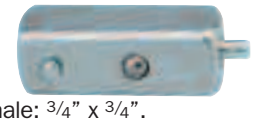
3/4 Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.



Description	Overall Length	Weight each	Order Code KEN-582
Standard	100mm	432g	**-8070K**
	200mm	800g	**-8060K**
	400mm	1900g	**-8080K**

Double Ended Lug

3/4 Chrome vanadium. For use in push through ratchets and similar.

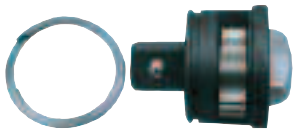


Male x male: 3/4" x 3/4".

Overall Length	Order Code KEN-582
60mm	**-8130K**

Ratchet Repair Kit

To suit ratchet number KEN-582- 8000K.



Weight each	Order Code KEN-582
550g	**-8010K**

Bi-Hexagon Sockets

3/4 A heavy duty range designed to cope with the demands of industrial agricultural machinery and heavy plant, static or mobile. All Kennedy Professional sockets have a unique double knurl to give a high grip essential for a quick tool change when hands are greasy. Manufactured from chrome vanadium and fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. **Registered Design No. 2053516UK.**



Size	Overall Length	Weight each	Order Code KEN-582
			Metric
22	50mm	210g	**-8150K**
24	50mm	210g	**-8170K**
26	50mm	210g	**-8190K**
27	50mm	210g	**-8200K**
29	50mm	240g	**-8220K**
30	53mm	280g	**-8230K**
32	55mm	280g	**-8240K**
33	55mm	310g	**-8250K**
36	55mm	400g	**-8260K**
38	60mm	450g	**-8280K**
41	60mm	540g	**-8300K**
46	60mm	650g	**-8320K**
50	70mm	800g	**-8340K**
55	70mm	880g	**-8360K**
60	70mm	950g	**-8380K**

Size	Overall Length	Weight each	Order Code KEN-582
			AF
7/8"	50mm	140g	**-8400K**
15/16"	50mm	160g	**-8410K**
1"	50mm	180g	**-8420K**
1 1/16"	50mm	200g	**-8430K**
1 1/8"	50mm	240g	**-8440K**
1 3/16"	54mm	250g	**-8450K**
1 1/4"	54mm	260g	**-8460K**
1 5/16"	54mm	260g	**-8470K**
1 3/8"	57mm	280g	**-8480K**
1 7/16"	57mm	280g	**-8490K**
1 1/2"	60mm	290g	**-8500K**
1 5/8"	62mm	320g	**-8520K**
1 11/16"	65mm	320g	**-8530K**
1 3/4"	65mm	330g	**-8540K**
1 13/16"	65mm	350g	**-8550K**
1 7/8"	69mm	360g	**-8560K**
2"	71mm	380g	**-8580K**

HAND TOOLS

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KENNEDY PROFESSIONAL **1" Drive** The ultimate for high torque hand applications. Designed to give strength and reliability under heavy loads. Used extensively in heavy plant, rail, shipyard and oil rig industries.



Lever Type Steel Handle with Extension



Sliding 'T'-Handle with Extension

Lever Type Steel Handle

1 Basic wrench with satin finish. Fitted with spring loaded ball bearing socket retainer.



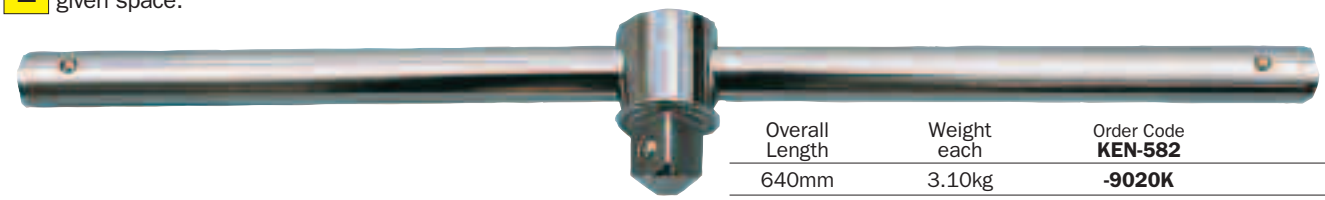
Overall Length	Number of Teeth	Weight each	Order Code KEN-582
740mm	40	5.40kg	**-8980K**

Spares

Description	Order Code KEN-582
Ratchet Repair Kit	**-8990K**

Sliding 'T' Handle

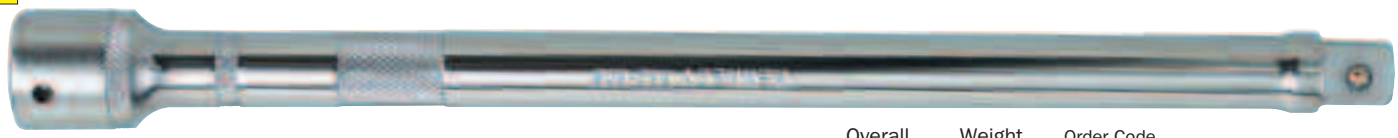
1 Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.



Overall Length	Weight each	Order Code KEN-582
640mm	3.10kg	**-9020K**

Extensions

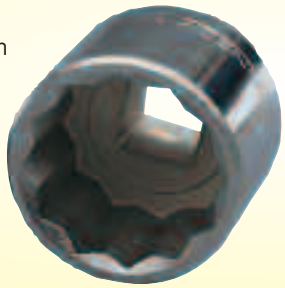
1 Manufactured from high quality chrome vanadium with a fully polished finish. Knurled 'finger grip'.



Description	Overall Length	Weight each	Order Code KEN-582
Standard	200mm	1.00kg	**-9040K**
	400mm	1.80kg	**-9060K**

Bi-Hexagon Standard Sockets

1 Bi-hexagon. (12 point). This range of 1" (25mm) series sockets is the ultimate for high torque hand applications. The Bi-hexagon design gives strength and reliability under heavy loads. Used extensively in heavy plant, rail, shipyard and oil rig industries. The 12 point bi-hexagon side drive design gives a higher torque than normal sockets. Made from chrome vanadium and fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location.



Type	Size	Overall Length	Weight each	Order Code KEN-582
Metric 1	36mm	65	280g	**-9200K**
	41mm	65	330g	**-9210K**
	46mm	70	360g	**-9220K**
	50mm	75	360g	**-9230K**
	55mm	80	400g	**-9240K**
	60mm	85	420g	**-9250K**
	65mm	90	450g	**-9260K**
	70mm	100	480g	**-9270K**
	75mm	100	520g	**-9280K**
	80mm	110	550g	**-9290K**
AF 1	1½"	70	300g	**-9360K**
	2"	70	360g	**-9400K**
	2¼"	85	400g	**-9420K**
	2⅜"	85	400g	**-9430K**

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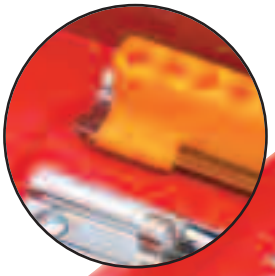
KENNEDY PROFESSIONAL Socket Rail Trays

Steel trays that comprise of 430mm rails with clips for retaining 1/4", 3/8" and 1/2" sq. drive sockets.
Trays are fitted with carry handles and hanging holes for workshop storage.



1/4" Hexagon screwdriver bit holders

SRT080

SRT110

SRT080
Contents:
Powder coated tray with carrying handle.
30x 1/2" sq. drive socket clips,
30x 3/8" sq. drive socket clips,
20x 1/4" sq. drive socket clips.

SRT110
Contents:
Powder coated tray with integral hanging slots.
30x 1/2" sq. drive socket clips,
30x 3/8" sq. drive socket clips,
30x 1/4" sq. drive socket clips,
20x 1/4" hexagon screwdriver bit holders.

Product Number	Capacity	Weight each	Order Code KEN-582
SRT080	80 Piece	880g	-9850K
SRT110	110 Piece	1.80kg	-9860K

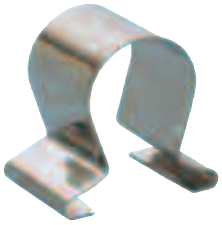
KENNEDY QUALITY INDUSTRIAL TOOLING Socket Rails & Clips

Made from steel, bright chrome plated and can be fixed or loose in a toolbox, or fitted to a bench or wall.
Can be used with any size square drive socket.



Socket Rails

Overall Length	Weight per 10	Order Code KEN-582
220mm	290g	-9820K
420mm	430g	-9840K



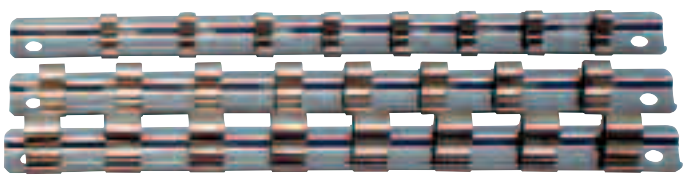
Socket Clips

Sq.Drive Size	Weight per 100	Order Code KEN-582
1/4"	60g	-9880K
3/8"	90g	-9890K
1/2"	150g	-9900K

Socket Racks

Socket rails and socket clips combined together.

Sq.Drive Size	Overall Length	No of Clips	Weight each	Order Code KEN-582
1/4"	420mm	15	70g	-9920K
	220mm	8	30g	-9930K
3/8"	420mm	15	70g	-9950K
	220mm	8	30g	-9960K
1/2"	420mm	15	70g	-9980K
	220mm	8	30g	-9990K





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SOCKET SETS - MIXED DRIVE

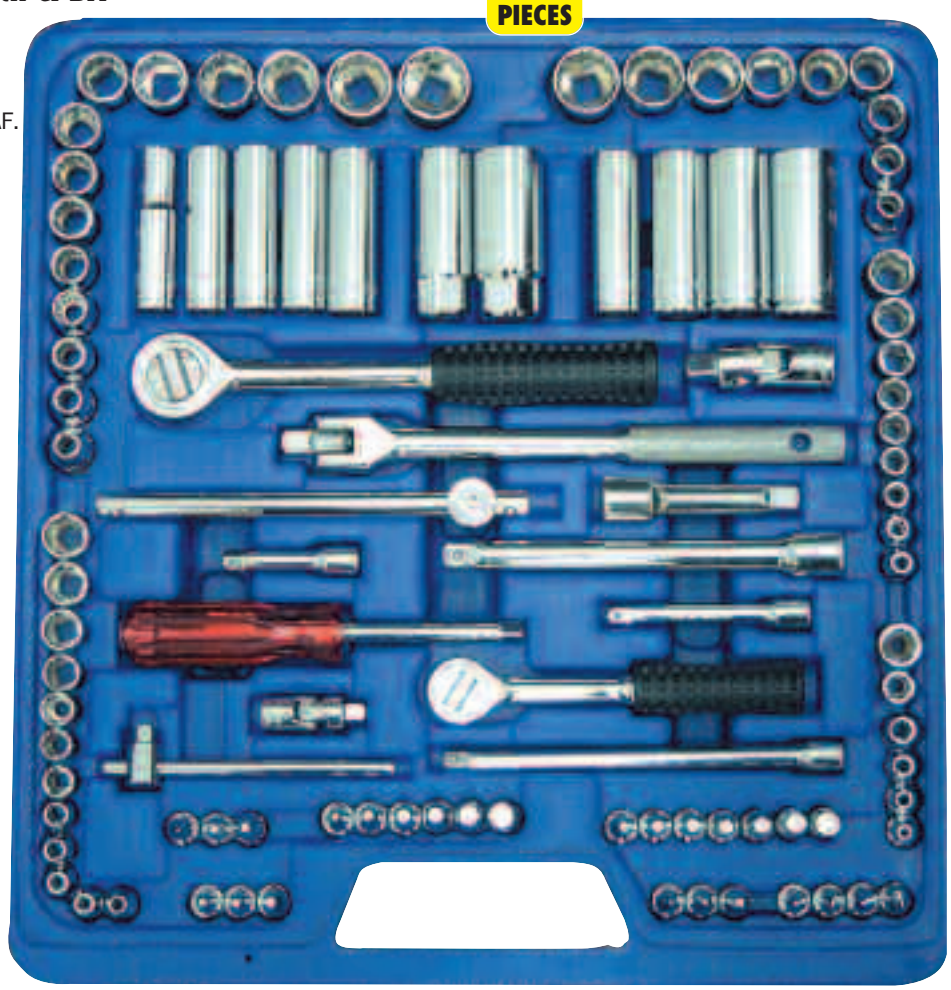
SENATOR QUALITY TOOLING

¼" Drive Ideal for assembly and servicing of small precision mechanisms associated with electrical, electronic, ignition and refrigeration work.

⅜" Drive Used in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is so important on this type of production. Sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006 : 1992**.
Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

SDA100MAB - 100 Piece Metric, Inch & BA

100 PIECES



¼" Drive Bi-Hex Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13mm.
3/16", 7/32", ¼", 9/32", 5/16", 11/32", ⅜", 7/16", ½" AF.
0, 2, 4, 6, 8 and 10BA.

Screwdriver Bits:
Slotted 3.5, 4.5, 5.5, 6mm.
Crosspoint No.1, No.2, No.3.
PZ No.1, No.2, No.3.
TX T15, T20, T25.
Hex 3, 4, 5, 6, 8, 10mm,
⅛", 5/32", 3/16", 7/32", ¼", 5/16", ⅜" AF.

Accessories: 50, 75 and 150mm extension bars, ratchet handle, sliding T-handle, spinner handle, universal joint.

⅜" Drive Bi-Hex Sockets:
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19 and 21mm.
¼", 5/16", ⅜", 7/16", ½", 9/16", 5/8", 11/16" and ¾" AF.

Deep Sockets: 10, 11, 12, 13 and 14mm
9/16", 5/8", 11/16" and ¾" AF.

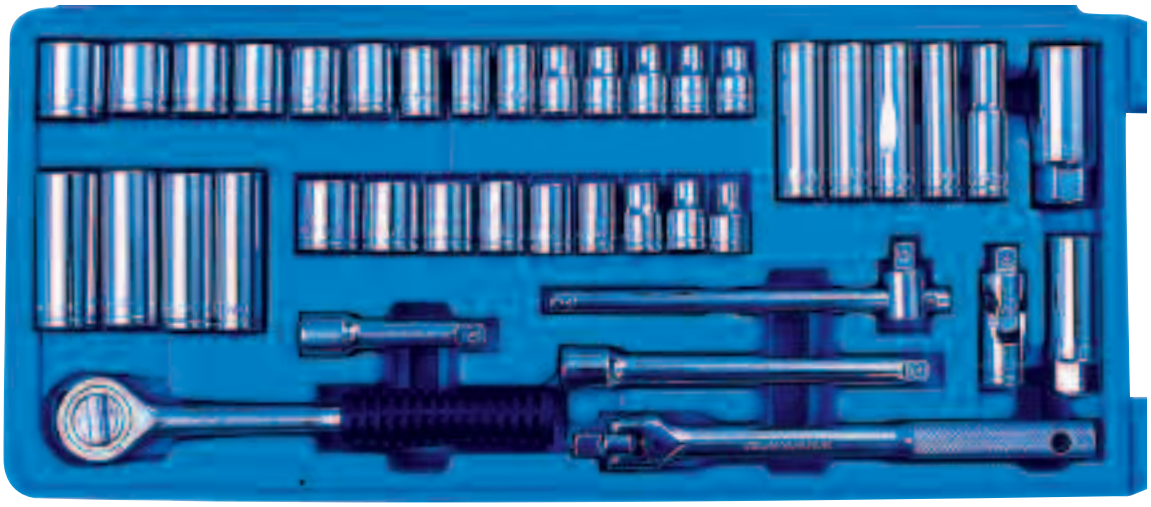
Spark Plug Sockets: M10 (16mm) and M14 (21mm).

Accessories: 75 and 150mm extension bars, flexible handle, ratchet handle, universal joint, sliding T-handle

Number of Pieces	Weight each	Order Code SEN-582
100	5.00kg	-0080K

SA40MA 40 Piece - Metric & Inch

40 PIECES



⅜" Drive Bi-Hex Sockets:
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19 and 21mm. ¼", 5/16", ⅜", ½", 9/16", 5/8", 7/16", 11/16" and ¾" AF.

Deep Sockets:
10, 11, 12, 13 & 14mm.
9/16", 5/8", 11/16" and ¾" AF.

Spark Plug Sockets:
M10 (16mm) and M14 (21mm).

Accessories:
Ratchet handle, sliding T-handle, swivel handle, universal joint. 75mm and 150mm extension bars.

Number of Pieces	Weight each	Order Code SEN-582
40	3.90kg	-0100K

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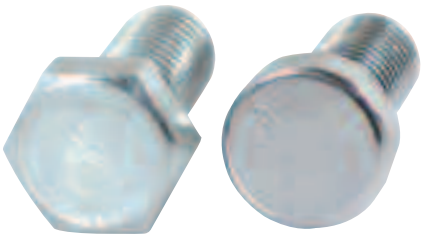
KENNEDY PROFESSIONAL Side Drive Socket Sets

The Ken-Grip® socket offers a new standard of performance with the ability to grip fasteners which are up to 95% rounded off. A unique patented socket design grips new, worn and rusted fasteners without damaging them further. Double knurl feature gives a high grip which is essential for quick tool change when hands are greasy or oily. Manufactured from chrome vanadium steel, the sockets and accessories are aluminium free, fully chrome plated for a corrosion resistant, easy clean finish. The set features an extensive selection of socket sizes for use across a wide range of fasteners.

KEN-GRIP®

Patented Design

Will grip new, worn and rusted fasteners without damaging them further



Will grip fasteners which are up to 95% rounded off

Will also fit a wide range of non-metric Hexagons, E-Torx® and Spline Drive Sizes.

1/4" Square Drive 19 Piece Metric Set

Metric Ken-Grip® Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Accessories: ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.

19 PIECES



Number of Pieces	Weight each	Order Code KEN-582
19	880g	-8800K

3/8" Square Drive 50 Piece Metric Set

Ken-Grip® Standard & Deep Sockets
Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Deep: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.
Screwdriver Bits: Slotted 5, 5.5 and 6.5mm.
Crosspoint No.1, 2, 3, 4.
Sockets: 3, 4, 5, 6, 8 and 10mm.

Accessories: ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, 1/4" and 1/2" male adaptors, 1/4" socket bit coupler. Robust fitted case with security padlock hole and cushion grip handle.

50 PIECES



Number of Pieces	Weight each	Order Code KEN-582
50	3.00kg	-8810K

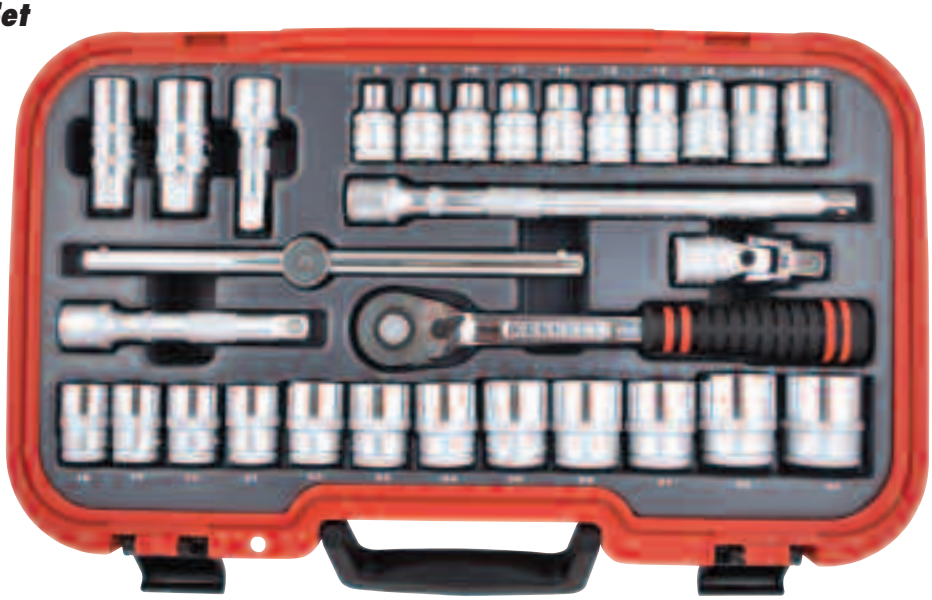
1/2" Square Drive 30 Piece Metric Set

Ken-Grip®: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 25, 26, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

30 PIECES



Number of Pieces	Weight each	Order Code KEN-582
30	5.50kg	-8820K

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SOCKET SETS - 1/4" SQUARE DRIVE

KENNEDY PROFESSIONAL

1/4" Drive Ideal for assembly and servicing of small precision mechanisms associated with electrical, electronic, ignition and refrigeration work. Sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The six point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets made to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992.** Accessories made to: **ANSI B107.10M : 1982 & BS 4006 : 1992.**

TS19M - 19 Piece Metric Socket Set

Metric Hex Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Accessories: ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.

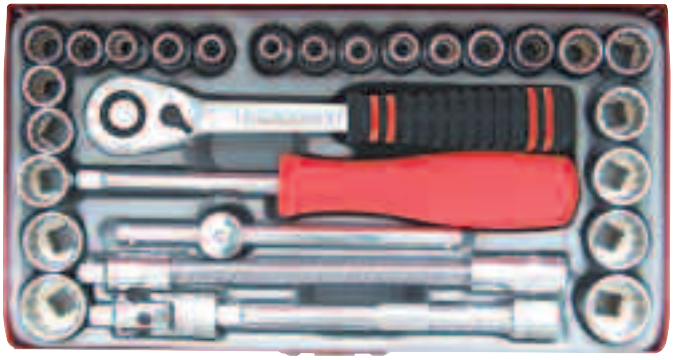


Number of Pieces	Weight each	Order Code KEN-582
19	880g	-4893K

TS29MA - 29 Piece Metric & Inch Socket Set

Metric Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm. **AF Sockets:** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32",3/8", 7/16", 1/2", 9/16".

Accessories: ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.



Number of Pieces	Weight each	Order Code KEN-582
29	1.2kg	-4895K

51 Piece Metric/AF

TSD51MA

Standard & Deep Sockets

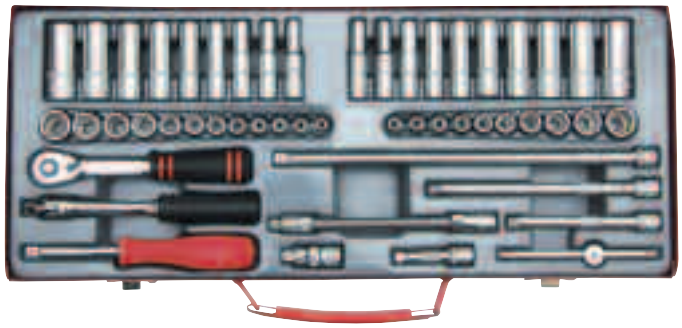
Standard Sockets (Metric): 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Deep Sockets (Metric): 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Standard Sockets (AF): 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".

Deep Sockets (AF): 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".

Accessories: ratchet handle (rubber grip), 100mm sliding T-handle, 100 and 250mm extension bars, 50 and 150mm wobble extensions, universal joint, spinner handle, 150mm flexible extension, swivel handle rubber grip.



Number of Pieces	Weight each	Order Code KEN-582
51	3.2kg	-4902K

SENATOR QUALITY TOOLING

RSD43 - 43 Piece Metric & Inch

High quality chrome vanadium for garage, workshop and home maintenance.

Sockets: 6, 7, 8, 9, 10, 11, 12mm. 3/16", 1/4", 5/16", 11/32", 3/8", 7/16" and 1/2" AF.

Long Series (50mm) Bits: Slotted 4, 5, 6mm. **Crosspoint** No.1, No.2, No.3. **TX** T10, T15, T20, T25, T27, T30, T40, T45.

Short Series (25mm) Bits:
PZ No.1, No.2. **Hex** 1.5, 2, 2.5, 3, 4, 5, 5.5 and 6mm.

Accessories: ratchet spinner handle, 150mm flexible extension bar, 100mm hex bit extension bar, 1/4" coupler, 50mm socket coupler.

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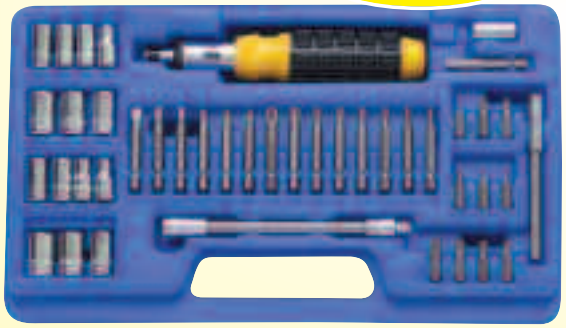


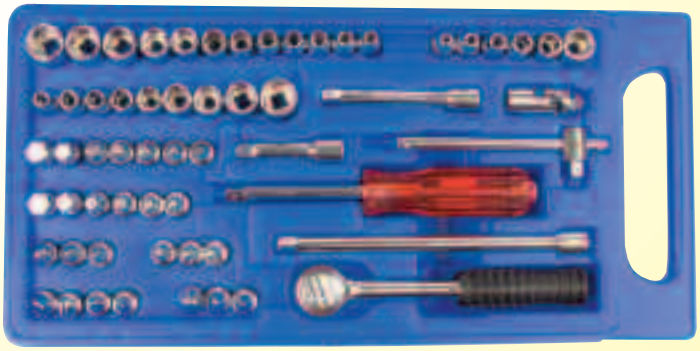
Number of Pieces	Weight each	Order Code SEN-582
43	1.10kg	-0040K

SD60MAB - 60 Piece Metric, Inch & BA

Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12 and 13mm. 3/16", 7/32, 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" and 1/2" AF. 0, 2, 4, 6, 8 and 10BA.

Screwdriver Bits: Slotted 3.5, 4.5, 5.5, 6mm.
Crosspoint No.1, No.2 No.3. **PZ** No.1, No.2, No.3.
TX T15, T20 and T25. **Hex** 3, 4, 5, 6, 8 and 10mm. 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" AF.

Accessories: ratchet handle, sliding T-handle, spinner handle, universal joint. 50, 75 and 150mm extension bars,



Number of Pieces	Weight each	Order Code SEN-582
60	1.50kg	-0060K

HAND TOOLS

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SOCKET SETS - 1/4" SQUARE DRIVE

KENNEDY PROFESSIONAL

1/4" Drive Ideal for assembly and servicing of small precision mechanisms associated with electrical, electronic, ignition and refrigeration work. Sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006 : 1992**. Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

TSD46M - 46 Piece Metric Set

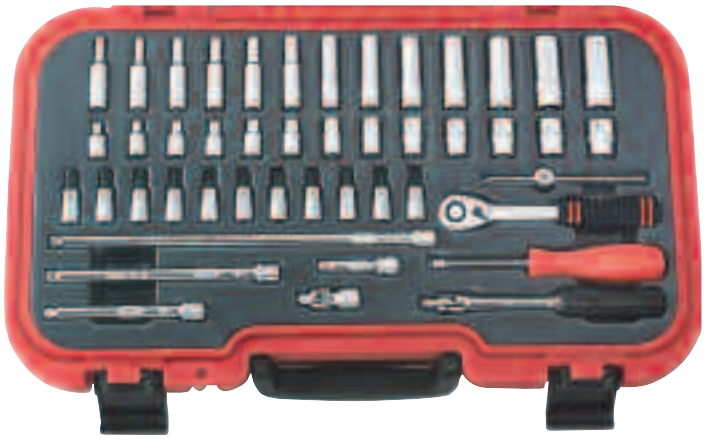
1/4 **Standard & Deep Sockets with Screwdriver Bits**

Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Deep Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Screwdriver Bits: Slotted 4, 5.5, 7mm. **Crosspoint** No.1, No.2, No.3. **Hex** 3, 4, 5, 6, 8mm.

Accessories: sliding T-handle, ratchet handle, extension bar 50 and 150mm, wobble extension 100 and 250mm, universal joint, jointed swivel handle 150mm, spinner handle.



Number of Pieces	Weight each	Order Code KEN-582
46	3.20kg	-4897K

TS46MA - 46 Piece Metric & Inch

1/4 **Standard Sockets with Screwdriver Bits**

Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

AF Sockets: 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2".

Screwdriver Bits: Slotted 4, 5.5mm. **Crosspoint** No.2, No.3. **Hex** 3, 4, 5, 6, 8mm. **Hex** 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" AF.

Accessories: sliding T-handle, ratchet handle, wobble extension 50 and 150mm, extension bars 100 and 250mm, universal joint, jointed swivel handle 150mm, flexible extension 150mm, spinner handle.



Number of Pieces	Weight each	Order Code KEN-582
46	3.00kg	-4898K

TSD82MA - 82 Piece Metric & Inch

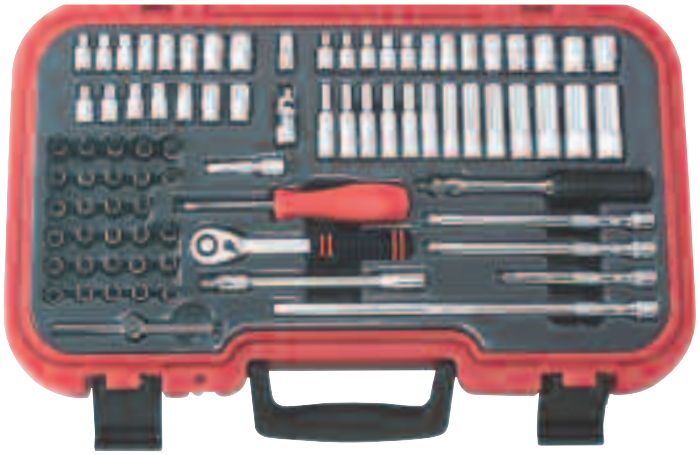
1/4 **Standard & Deep Sockets with Screwdriver Bits**

Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm. 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2" AF. 0, 1, 2, 3, 4, 5, 6BA.

Deep Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

Screwdriver Bits: Slotted 4, 5.5, 7mm. **Crosspoint** No.1, No.2, No.3, No.4. **Hex** 3, 4, 5, 6, 8mm. 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" AF. **TZ** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.

Accessories: sliding T-handle, ratchet handle, 100, 150 and 250mm extension bars, 50 and 150mm wobble extension, 150mm flexible extension, square male adaptor 3/8", 150mm jointed swivel handle, spinner handle, universal joint.



Number of Pieces	Weight each	Order Code KEN-582
82	3.80kg	-4896K

MT50M - 50 Piece Metric

1/4 **Standard Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13mm.

Accessories: ratchet handle, sliding T-handle, 50, 150 and 250mm extension bars, 100mm wobble extension, 150mm flexible extension, universal joint, 150mm jointed swivel handle, spinner handle.

1/2 **Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32, 36mm.

Accessories: quick release ratchet handle, universal joint, sliding T-handle, 375mm swivel handle, 75 and 250mm extension bars, 150mm wobble extensions.



Number of Pieces	Weight each	Order Code KEN-582
50	8.10kg	-4899K

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SOCKETS SETS - 3/8" SQUARE DRIVE

KENNEDY PROFESSIONAL

3/8" Drive Used in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is so important on this type of production. All Kennedy professional sockets have a double knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006 : 1992**. Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

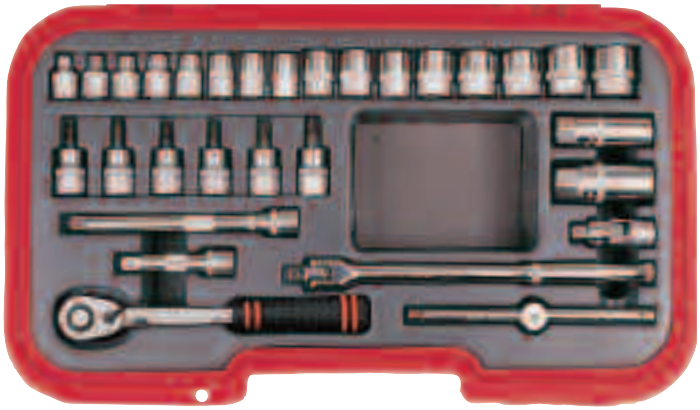
S30M - 30 Piece Metric with Screwdriver Bits

3/8 **Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21 and 22mm.

Spark Plug Sockets: M10 and M14.

Screwdriver Bits: Slotted 5mm, 6mm. **Crosspoint** No.1, 2, 3, 4.

Accessories: ratchet handle,sliding T-handle, swivel handle, universal joint, 75mm extension bar, 150mm wobble extension, parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code KEN-582
30	3.50kg	**-6170K**

Accessories

Description	Order Code KEN-567
Locking Clasps (Pair)	**-6000K**

S40MA - 40 Piece Metric & Inch

3/8 **Metric & Inch Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm. 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8" AF.

Spark Plug Sockets: M10 and M14.

Accessories: ratchet handle, sliding T-handle, universal joint, 75 and 150mm extension bars, 150mm wobble extension, 1/4" and 1/2" male adaptors, 1/4" hexagon coupler. Robust fitted case with security padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code KEN-582
40	3.60kg	**-6175K**

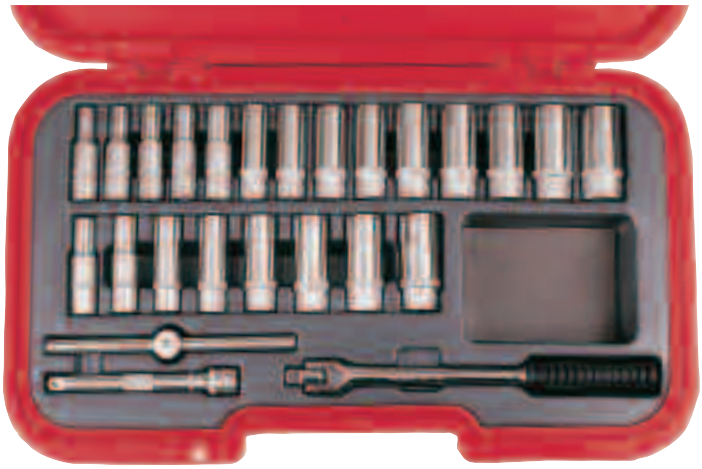
Accessories

Description	Order Code KEN-567
Locking Clasps (Pair)	**-6000K**

SD25MA - 25 Piece Metric & Inch

3/8 **Bi-Hex Sockets Deep Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22mm. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16" AF.

Accessories: swivel handle, sliding T-bar, 125mm extension. Parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code KEN-582
25	5.50kg	**-6190K**

Accessories

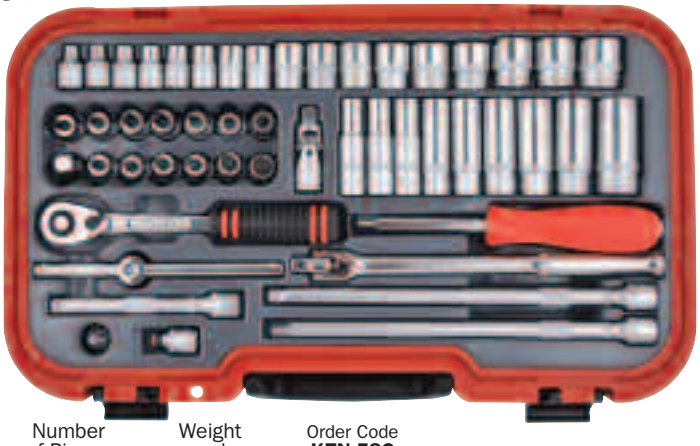
Description	Order Code KEN-567
Locking Clasps (Pair)	**-6000K**

SSD50M - 50 Piece Metric with Screwdriver Bits

3/8 **Standard & Deep Sockets**
Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Deep: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

Screwdriver Bits: Slotted 5, 5.5 and 6.5mm.
Crosspoint No.1, 2, 3, 4. **Hex** 3, 4, 5, 6, 8 and 10mm.

Accessories: ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, 1/4" and 1/2" male adaptors, 1/4" hex bit coupler. Robust fitted case with security padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code KEN-582
50	4.75kg	**-6180K**

Accessories

Description	Order Code KEN-567
Locking Clasps (Pair)	**-6000K**

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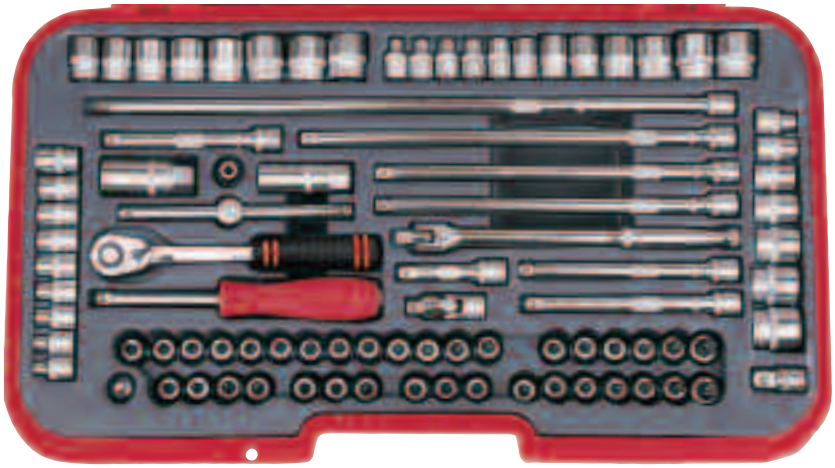
KENNEDY PROFESSIONAL SS90MAW - 90 Piece Metric, Inch & Whitworth with Screwdriver Bits

Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm.
1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8" AF. 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" Whit.
Screwdriver Bits:
Slotted 3/16", 7/32" and 1/4". **Crosspoint** No.1, 2, 3, 4.
PZ No.1, No.2, No.3. **TX** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50. **Hex** 3, 4, 5, 6, 8, 10mm. 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8" AF.

Spark Plug Sockets: M10 and M14.

Accessories: ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint. 75, 125, 150, 250, 300 and 450mm extensions, 150 and 250mm wobble extensions, 1/4" and 1/2" male adaptors, 1/4" hexagon coupler. Robust fitted case with security padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code KEN-582
90	8.70kg	-6185K

Accessories	Order Code KEN-567
Locking Clasps (pr)	-6000K

YAMOTO INDUSTRIAL SOCKET SETS

3/8" Square Drive Manufactured from industrial quality chrome vanadium steel with high polished corrosion resistant finish. The high strength to weight ratio ensures the reliability and accessibility that is necessary for use in the automotive, assembly, service and maintenance industries.
The bi-hexagonal design allows a higher torque to be applied and will not round off existing nuts.
Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

55 Piece Metric Standard & Deep Socket Set with Screwdriver Bits

3/8" Drive Bi-Hex Sockets Standard & Deep Sockets:

Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, and 22mm.

Deep Sockets: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

Spark Plug Sockets: M10 and M14.

Screwdriver Bits: Phillips No.1, 2, 3.
Slotted 5, 6mm.
TX T10, T15, T20, T30, T40, T50.
Hex 3, 4, 5, 6, 8, 10mm. Hex bit coupler.

Accessories: Lever type ratchet, sliding T-handle, swivel handle, spinner handle, universal joint, 150 and 300mm extension bars, 250mm wobble extension. Fitted case with cushioned handle, snap shut clasp and padlock hole.



Number of Pieces	Weight each	Order Code YMT-582
55	6.00kg	-6180K

Accessories	Order Code YMT-593
Replacement Case	-2870K

55 Piece Metric & Inch

3/8" Drive Bi-Hex Sockets Standard & Deep Sockets

Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", and 7/8" AF.

Deep Sockets: 10, 11, 12, 13, 14, 15, 17, 19, 22mm. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"and 13/16" AF.

Spark Plug Sockets: M10 and M14.

Accessories: lever type ratchet, sliding T-handle, universal joint, 150 and 300mm extension bars, 250mm wobble extension, 1/4" hex bit coupler. Fitted case with cushioned handle, snap shut clasp and padlock hole.



Number of Pieces	Weight each	Order Code YMT-582
55	5.70kg	-6200K

Accessories	Order Code YMT-593
Replacement Case	-2880K

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SOCKET SETS - 3/8" & 1/2" SQUARE DRIVE

YAMOTO INDUSTRIAL SOCKET SETS

1/2" Square Drive Manufactured from industrial quality chrome vanadium steel with corrosion resistant high polish aluminium free mirror finish. The 12 point bi-hexagonal side drive sockets allow higher torques to be applied to nuts without damage and grip worn nuts. The strength and robust design of 1/2" drive make them suitable for the heavy use encountered in agriculture, service and maintenance industries. Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

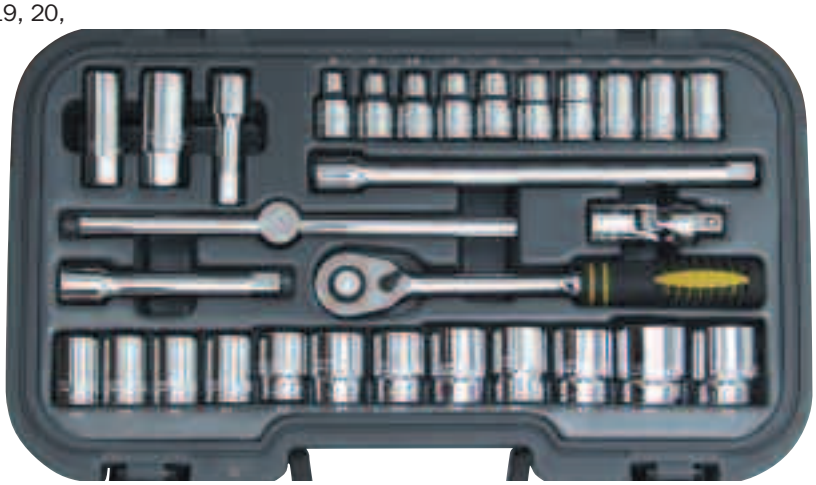
30 Piece Metric

1/2

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32mm.

Spark Plug Sockets: M14 and M10.

Accessories: quick release flick lever ratchet with rubber grip,
T-handle uni-joint, 75, 125 and 250mm extension bars, robust fitted case with padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code YMT-582
30	6.00kg	**-7992K**

Accessories	Order Code YMT-593
Replacement Case	**-2910K**

50 Piece Metric

1/2

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36mm.

Screwdriver Bits: Hex 4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm.
Phillips No.2, No.3, No.4.

Chrome Molybdenum Screwdriver Bits:
9 and 14mm chemically blacked.

Spark Plug Sockets: M14 and M10.

Accessories: black rubber ratchet handle, T-handle, swivel handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with magnetic parts tray, padlock hole and cushion grip handle.



Number of Pieces	Weight each	Order Code YMT-582
50	10.3kg	**-7994K**

Accessories	Order Code YMT-593
Replacement Case	**-2920K**

KENNEDY QUALITY INDUSTRIAL TOOLING

Oil Drain Plug Key Set

DPK017
A comprehensive set of quality 3/8" sq. drive oil drain plug keys with tommy bar. Made from satin finished chrome vanadium.
Contents: Male Square: 7mm, 8mm (5/16"), 9mm, (3/8"), 10mm, 11mm, 12mm and 13mm. Female Square: 10mm.
Male Hex: 8, 9, 10, 12, 14 and 17mm.
Male Triangular 10mm.
Tommy bar.

17 PIECES



Product Number	Number of Pieces	Order Code KEN-503
DPK017	17	**-1720K**

Glow Plug Socket Set

GPS060
A comprehensive set of quality glow plug sockets with universal joints for use in awkward areas. Made from satin finished chrome vanadium with a neoprene insert to grip and protect the plug.

Contents: 8, 9, 10, 12, 14 and 16mm.

6 PIECES



Product Number	Number of Pieces	Order Code KEN-503
GPS060	6	**-1740K**

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SENATOR QUALITY TOOLING Combined Socket & Wrench Tool Kit

The Senator 208 Piece Combined Socket and Wrench Tool Kit comes with a plastic storage case. **Contents: 1/2" drive sockets:** 13 - 32mm. **Drive deep sockets:** 16 to 22mm. **E-Sockets:** 20, 22, 24mm. **Screwdriver bits:** Hex 14mm, TX 70. **Converters:** 1/2" sq. male x 3/8" sq. female. **Accessories:** 125, 250mm extensions bars, 1/2" drive universal joint, T-bar, quick release offset bi-material ratchet handle. **3/8" drive sockets:** 10 - 19mm. **Deep sockets:** 10 - 15mm. **Spark plug sockets:** 16, 18, 21mm. **E-Sockets:** 10 - 18mm. **Screwdriver bits:** Slotted 6 - 12. PZ No. 1, 2, 3. Crosspoint No.1, 2, 3, 4. Hex 6 - 12mm. TX 40 - 60. Tamper proof TX 40 - 60. Spline 5, 6, 8. **Converters:** 3/8" sq. female x 5/16" hex drive, 3/8" sq. female x 1/4" sq. male. **Accessories:** 75mm extension bar, universal joint, quick release offset bi-material ratchet handle. **1/4" drive sockets:** 4 - 14mm. **Deep sockets:** 4 - 10mm. **E-Sockets:** 4 - 8mm. **Screwdriver bits:** Slotted 4 - 7mm. PZ No.0, 1, 2. Crosspoint No.0, 1, 2, TX 8 - 30. Tamper-proof TX 8 - 30. Hex 3 - 6mm. **Converters:** 1/4" sq. female x 1/4" hex drive. **Accessories:** 50, 100mm extension bars, universal joint, T-bar, nut spinner handle, quick release offset bi-material ratchet handle. **Combination spanners:** 8 - 19mm. **Hex key wrenches:** 1.5, 2.0, 2.5mm. **Magnetic bit:** 1/4" hex driver. **Screwdriver bits:** 1/4" hex driver. **Converter:** 2x 1/4" sq. male, **Slotted** 2x 3.5, 4mm 1x 5.5, 6.5, 8mm, **PZ** No.1, 2, 3, **Crosspoint** 2x No.0, 1, 2, 3, TX 10, 15, 20, 25, 27, 30, 40, **Tri-Wing** No.1, 2, 3, 4, **Square** 1, 2 ,3, hex 2, 3, 4, 5, 6, 7mm.



Number of Pieces	Weight each	Order Code SEN-582
208	10.7kg	-9000K

SE24M - 24 Piece Metric

24 PIECES

1/2 **Sockets:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, and 32mm.

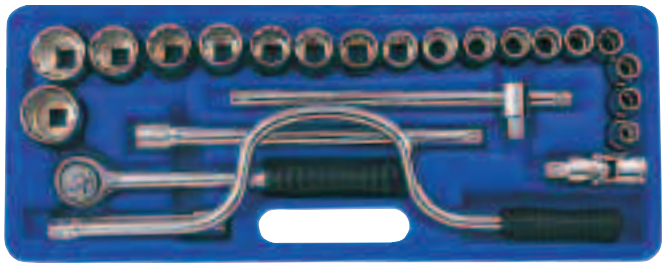
Accessories: ratchet handle, T-handle, speed brace, universal joint, 125 and 250mm extension bars.

SE24MA - 24 Piece Metric & Inch

HOME IMPROVER

As for SE24M except for:

1/2 **Sockets:** 10, 11, 12, 13, 14, 16, 17, 19, 20 and 22mm. 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8" and 15/16" AF.



Model Number	Number of Pieces	Weight each	Order Code SEN-582
SE24M	24	4.00kg	-0120K
SE24MA	24	4.00kg	-0160K

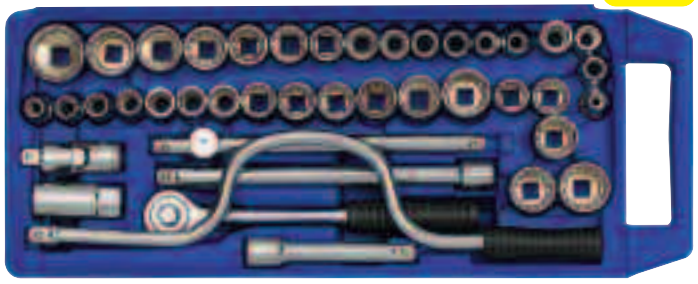
SE42MAW - 42 Piece Metric, Inch & Whitworth

1/2 **Sockets:** 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22, 24 and 27mm. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/4" AF. 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8" BSW.

Spark Plug Socket: M14 (21mm).

Accessories: ratchet, T-handle, brace, universal joint, 125 and 250mm extension bars.

42 PIECES



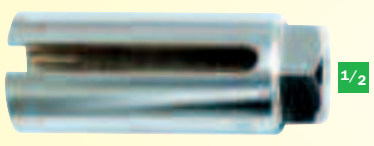
Number of Pieces	Weight each	Order Code SEN-582
42	6.15kg	-0180K

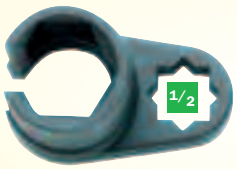
HAND TOOLS

KENNEDY QUALITY INDUSTRIAL TOOLING Oxygen 'EGO', '02', 'Lambda' Sensor Socket Set

3 PIECES

Three piece universal set. Essential for servicing today's computer-controlled vehicle systems. Easily removes exhaust gas oxygen sensors (known as 'EGO', '02' or 'Lambda' sensors), vacuum switches and pressure switches. Also suitable for diesel injectors found on Mitsubishi, Nissan, Opel, Vauxhall and VW vehicles.
Made from heat treated cast steel.







Set contains:
22mm (7/8") hex, 1/2" square drive socket with 7.5mm side slot for sensor wire clearance. Socket has 22mm hex for use with a spanner. **Overall length:** 80mm.
22mm (7/8") hex, crow's foot style wrench, 1/2" square drive (double square for easy access). With full length 11mm slot for total clearance of switch/sensor wire.
22mm (7/8") hex, crow's foot style wrench, 3/8" square drive. With full length 8.6mm slot for total clearance of switch/sensor wire.

Description	Order Code KEN-503
Sensor Socket Set	-8020K

Oil Filter Cap Wrench Set

Cap type filter wrenches made from chrome vanadium with a satin finish. Use with 3/8" or 1/2" square drive wrenches to remove paper cartridge style oil filters.

Contents: 24, 27, 30, 32, 36, 38mm and 1/2" - 3/8" adaptor.

7 PIECES



Diameter (mm)	Weight each	Order Code KEN-503
60 - 140	430g	-1790K

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SOCKETS SETS - ½" SQUARE DRIVE

KENNEDY PROFESSIONAL

½" Square Drive The most popular drive size used in the service and maintenance industries. This popularity is due to the strength and robust nature of ½" drive. All Kennedy Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992**. Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

M20M - 20 Piece Metric

Sockets: 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.



20 PIECES

Number of Pieces	Weight each	Order Code KEN-582
20	4.90kg	-7983K

Accessories

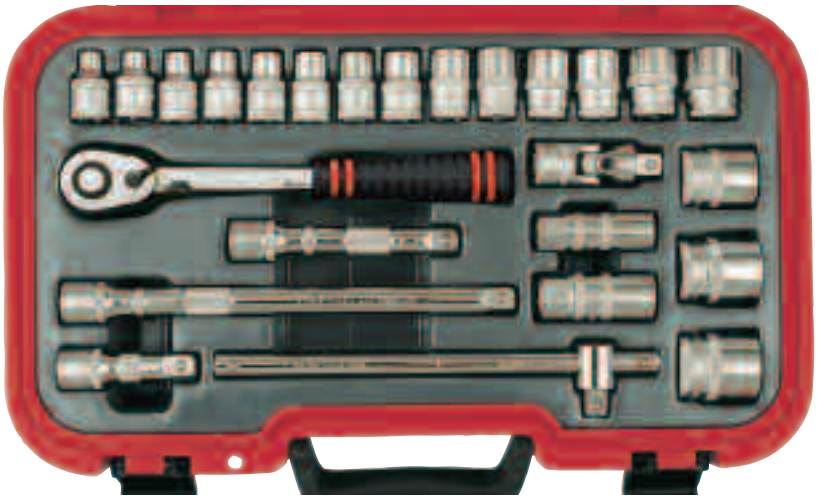
Description	Order Code KEN-567
Locking Clasps (Pair)	-6000K

M25M - 25 Piece Metric

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.



25 PIECES

Number of Pieces	Weight each	Order Code KEN-582
25	4.90kg	-7985K

Accessories

Description	Order Code KEN-567
Locking Clasps (Pair)	-6000K

M30MSH - 30 Piece Metric - Single Hexagon

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, universal joint, sliding T-handle, 75, 125 and 250mm extension bars. Supplied in a fitted impact-resistant plastic carry case with a cushioned handle, snap-shut clasps and padlock hasp hole.



30 PIECES

Number of Pieces	Weight each	Order Code KEN-582
30	5.55kg	-7940K

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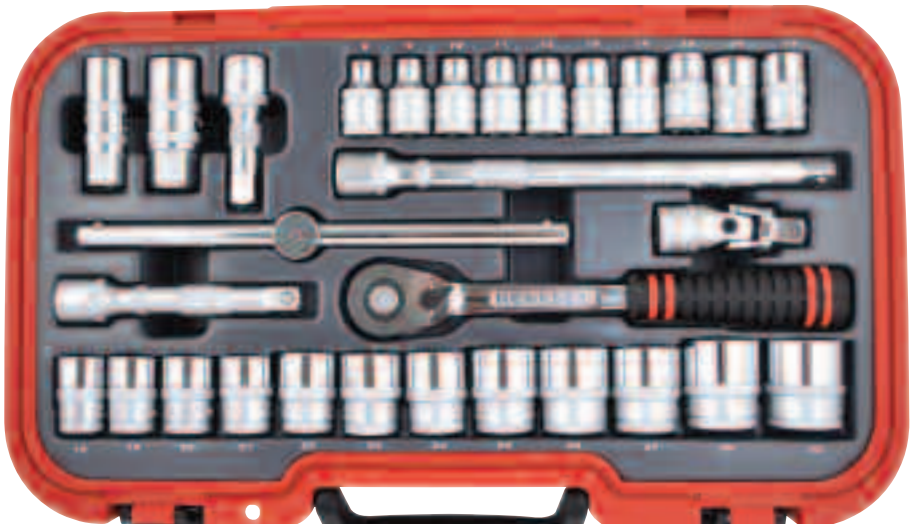
SOCKET SETS - ½" SQUARE DRIVE

KENNEDY PROFESSIONAL

½" Square Drive The most popular drive size used in the service and maintenance industries. This popularity is due to the strength and robust nature of ½" drive. All Kennedy Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992**. Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

M30M - 30 Piece Metric



½

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 25, 26, 27, 30 and 32mm.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

30 PIECES

Number of Pieces	Weight each	Order Code KEN-582
30	5.50kg	-7991K

Accessories	Order Code KEN-567
Locking Clasps (Pr)	-6000K

M30MA - 30 Piece Metric & Inch



½

Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22 and 24mm. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 7/8" AF.

Spark Plug Sockets: M10 and M14.

Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

30 PIECES

Number of Pieces	Weight each	Order Code KEN-582
30	5.30kg	-7987K

Accessories	Order Code KEN-567
Locking Clasps (Pr)	-6000K

MD30MA - 30 Piece Deep Metric & Inch



½

Sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 26, 27, 30 and 32mm. 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8" and 1 1/4" AF.

Accessories: offset handle, swivel handle. Parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.

30 PIECES

Number of Pieces	Weight each	Order Code KEN-582
30	12.2kg	-7997K

Accessories	Order Code KEN-567
Locking Clasps (Pr)	-6000K

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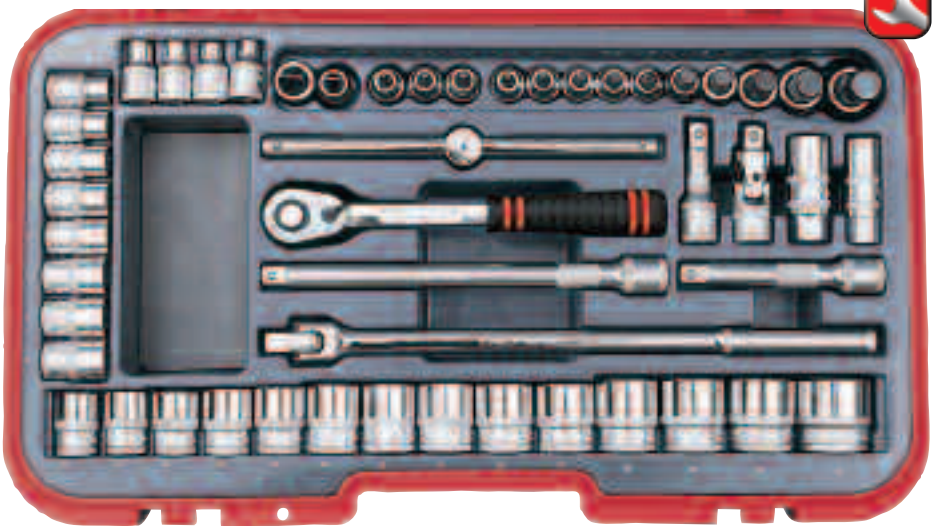
KENNEDY PROFESSIONAL MS50M - 50 Piece Metric with Driver Bits



Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36mm.

Screwdriver Bits: Crosspoint No.2, No.3, No.4. **Hex** 4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm. **Screwdriver Bits:** 9 and 14mm

Spark Plug Sockets: M10 and M14.

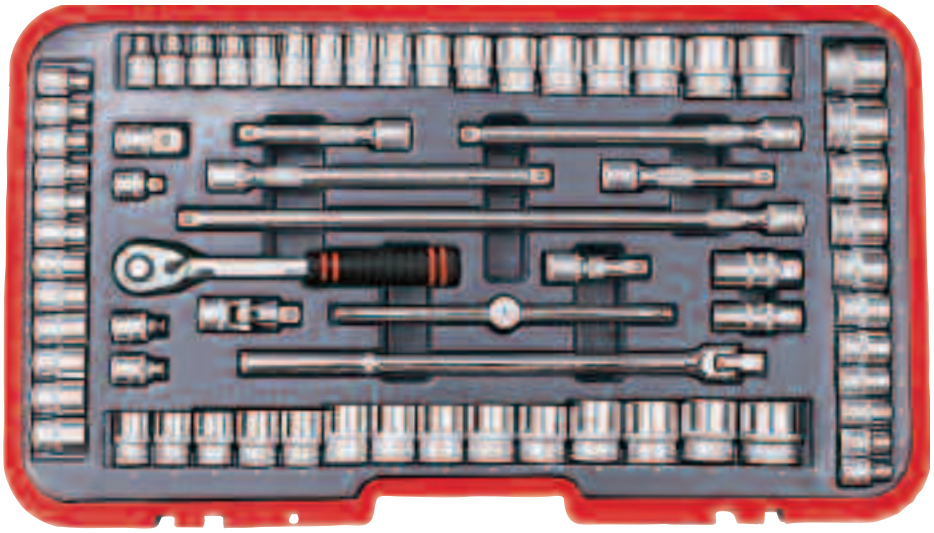
Accessories: Quick release ratchet handle, sliding T-handle, swivel handle, universal joint 75, 125 and 250mm extension bars. Parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.

50 PIECES

Number of Pieces	Weight each	Order Code KEN-582
50	9.85kg	-7993K

Accessories	Order Code KEN-567
Locking Clasps (Pr)	-6000K

M70MAW - 70 Piece Metric, Inch & Whitworth



Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36mm. 5/16", 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" and 1 1/4"AF. 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" Whit.

Hex Bit Adaptors: 1/4" and 5/16".

Spark Plug Sockets: M10 and M14.

Convertors: 1/2" sq. female x 3/4" sq. male, 1/2" sq. female x 3/8" sq. male.

Accessories: quick release ratchet handle, sliding T-handle, swivel handle, universal joint, 75, 125, 250, and 450mm extension bars, 125 and 250mm wobble extensions. Robust fitted case with security padlock hole and cushion grip handle.

70 PIECES

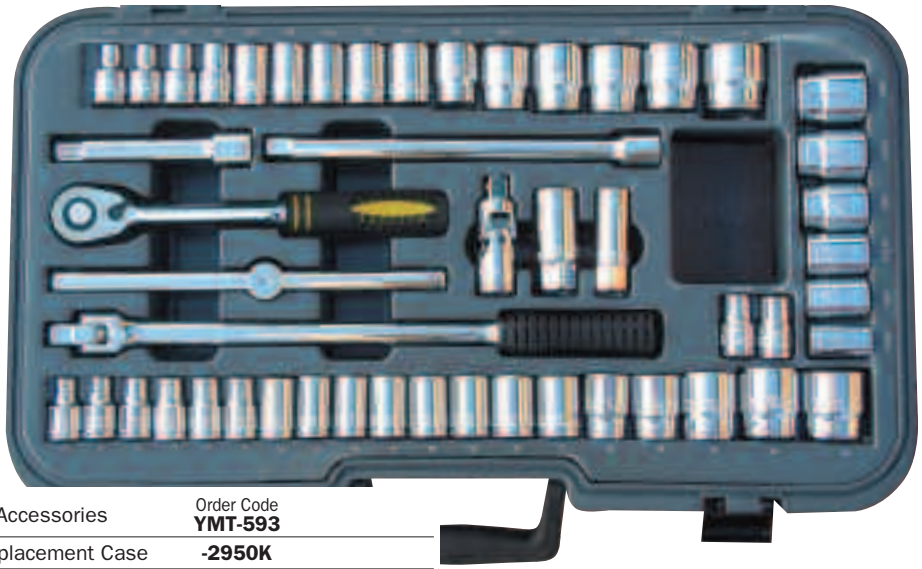
Number of Pieces	Weight each	Order Code KEN-582
70	12.2kg	-7995K

Accessories	Order Code KEN-567
Locking Clasps (Pr)	-6000K

YAMOTO INDUSTRIAL SOCKET SETS

1/2" Square Drive Manufactured from industrial quality chrome vanadium steel with corrosion resistant high polish mirror finish, aluminium-free to ensure non-sparking. The 12 point bi-hexagonal side drive sockets allow higher torques to be applied to nuts without damage and to grip worn nuts. The strength and robust design of 1/2" drive make them suitable for the heavy use encountered in agriculture, service and maintenance industries. Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

50 Piece Metric, Inch & Whitworth



Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30 and 32mm. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4" A/F. 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8" Whit.

Spark Plug Sockets: M14 and M10.

Accessories: quick release flick lever ratchet with rubber grip, T-handle, swivel handle with rubber grip, universal joint, extension bars 125 and 250mm. Robust fitted case with magnetic parts tray, padlock hole and cushion grip handle.

50 PIECES

Number of Pieces	Weight each	Order Code YMT-582
50	9.40kg	-7996K

Accessories	Order Code YMT-593
Replacement Case	-2950K

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SENATOR QUALITY TOOLING SH 26MA - 26 Piece Metric & Inch



Sockets: 22, 24, 27, 30, 32, 36, 38, 41, 46 and 50mm. 7/8", 15/16", 1", 1 1/8", 1 3/16", 1 5/16", 1 3/8", 1 7/16", 1 5/8", 1 3/4", 1 7/8" and 2" AF.

Accessories: 100 and 200mm extension bars, ratchet handle and T-handle.

26 PIECES

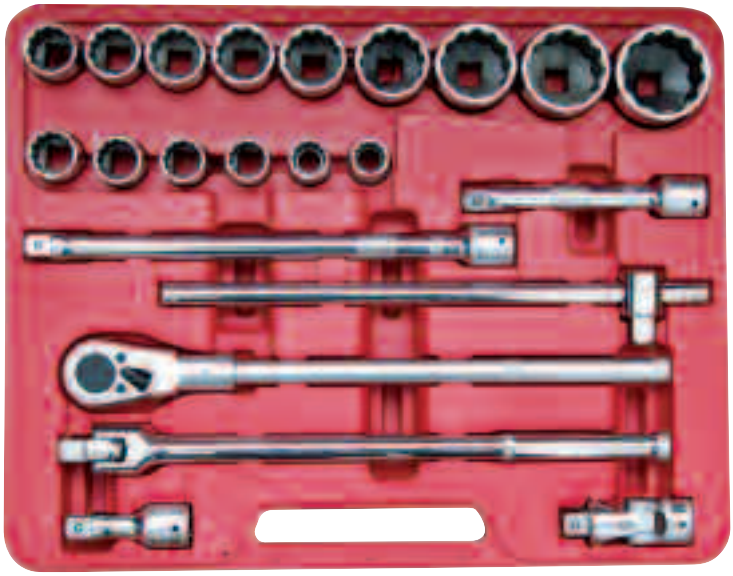
HOME IMPROVER

Number of Pieces	Weight each	Order Code KEN-582
26	18.0kg	-0200K

KENNEDY PROFESSIONAL

3/4" Drive A heavy duty range designed to cope with the demands of industrial agriculture machinery and heavy plant, static or mobile. All Kennedy Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with an aluminium free mirror finish. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006: 1992**. Accessories manufactured to: **ANSI B107.10M: 1982 & BS 4006: 1992**.

L22M - 22 Piece Metric



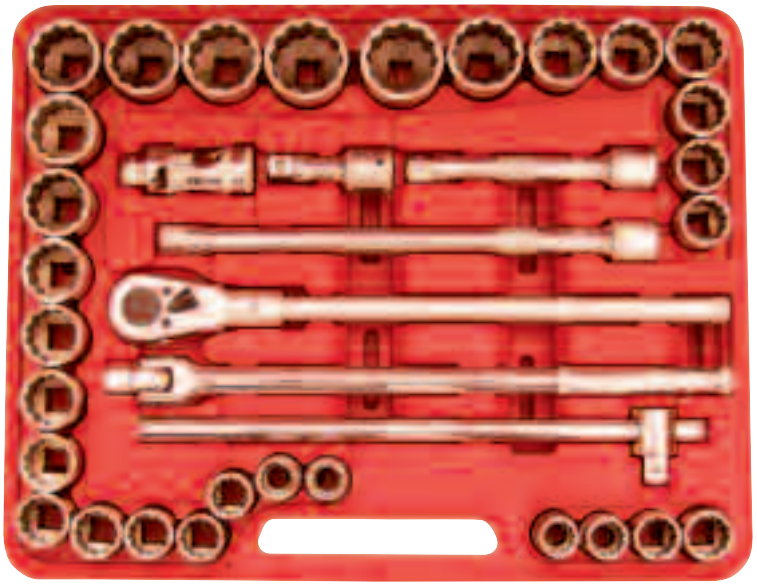
Bi-Hexagon Sockets: 22, 24, 26, 27, 29, 30, 32, 33, 36, 38, 41, 46, 50, 55 and 60mm.

Accessories: lever type ratchet, sliding T-handle, swivel handle, universal joint, 100, 200 and 410mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

22 PIECES

Number of Pieces	Weight each	Order Code KEN-582
22	23.8kg	-8720K

L36MA - 36 Piece Metric & Inch



Bi-Hexagon Sockets: 22, 24, 27, 29, 30, 32, 33, 36, 38, 41, 46, and 50mm. 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 5/8", 1 11/16", 1 3/4", 1 13/16", 1 7/8" and 2" AF.

Accessories: ratcheting head with 550mm universal handle, sliding T-handle, 1" to 3/4" converter, 200 and 400mm extension bars.

36 PIECES

Number of Pieces	Weight each	Order Code KEN-582
36	29.3kg	-8740K

15 Piece Metric Socket Set



Sockets: 36, 41, 46, 50, 55, 60, 65, 70, 75 and 80mm.

Accessories: ratchet and sliding T-handle, 550mm universal handle, 200 and 400mm extension bars.

15 PIECES

Number of Pieces	Weight each	Order Code KEN-582
15	18.0kg	-9470K

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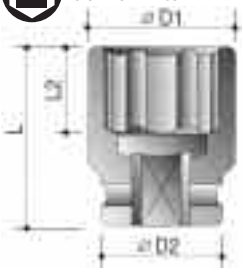
IMPACT SOCKETS - 1/4" & 3/8" SQUARE DRIVE

KENNEDY Chrome Molybdenum Impact Sockets & Accessories

Manufactured from high quality chrome molybdenum steel.
Black oxidised finish with permanent laser etched markings.

1/4" Drive Metric, Standard Length, 6-Point

Conform to: **DIN 3129**.





Style A Style B

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
6	A	13.0	10.0	6.0	23.0	15g	-0640K
7	A	13.0	11.3	6.0	23.0	15g	-0650K
8	A	13.0	12.5	7.0	23.0	15g	-0660K
9	A	13.0	13.8	7.0	23.0	15g	-0670K
10	A	13.0	15.0	7.0	23.0	17g	-0680K
11	A	13.0	16.3	8.0	23.0	20g	-0690K
12	B	13.0	17.0	8.0	23.0	17g	-0700K
13	B	13.0	18.8	8.0	23.0	22g	-0710K
14	B	13.0	20.0	8.0	23.0	20g	-0720K

1/4" Drive Reducers & Adaptors

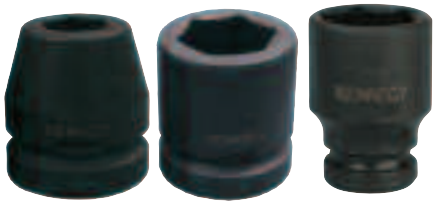


Male Drive x Female Drive	Weight each	Order Code KEN-583
3/8" x 1/4"	40g	-7380K
1/4" x 3/8"	40g	-7400K

3/8" Drive Metric, Standard Length, 6-Point

Conform to: **DIN 3129**.





Style A Style B Style C

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
6	A	19.0	11.0	4.0	30.0	35g	-1240K
7	A	19.0	12.5	8.0	30.0	40g	-1250K
8	A	19.0	13.8	8.0	30.0	40g	-1260K
9	A	19.0	15.0	8.0	30.0	40g	-1270K
10	A	19.0	16.0	8.0	30.0	40g	-1280K
11	A	19.0	17.5	9.0	30.0	40g	-1290K
12	B	19.0	19.0	9.0	30.0	40g	-1300K
13	A	22.0	20.0	9.0	30.0	55g	-1310K
14	A	22.0	21.0	9.0	30.0	55g	-1320K
15	B	22.0	22.0	11.0	30.0	55g	-1330K
16	C	22.0	24.0	11.0	30.0	60g	-1340K
17	C	22.0	25.0	11.0	30.0	60g	-1350K
18	C	22.0	26.0	11.0	30.0	60g	-1360K
19	C	22.0	27.5	11.0	30.0	70g	-1370K
20	C	22.0	28.0	12.0	30.0	70g	-1380K
21	C	22.0	30.0	13.0	30.0	70g	-1390K
22	C	24.0	32.0	13.0	30.0	85g	-1400K

3/8" Drive Reducers & Adaptors



Male Drive x Female Drive	Weight each	Order Code KEN-583
3/8" x 1/4"	40g	-7380K
1/4" x 3/8"	40g	-7400K
1/2" x 3/8"	70g	-7410K
3/8" x 1/2"	70g	-7420K

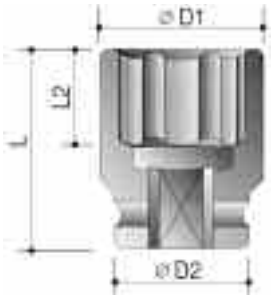
1/4" Drive Extension Bars



Length (mm)	Weight each	Order Code KEN-583
50 (2")	24g	-7490K
100 (4")	43g	-7495K

3/8" Drive Inch Size, Standard Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A.**





Style A Style B

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
1/4"	A	19.0	11.0	4.0	30.0	30g	-1430K
5/16"	A	19.0	12.5	8.0	30.0	30g	-1440K
3/8"	A	19.0	14.5	8.0	30.0	35g	-1460K
7/16"	A	19.0	17.0	9.0	30.0	35g	-1470K
1/2"	B	19.0	19.0	9.0	30.0	35g	-1480K
9/16"	B	20.0	20.0	9.0	30.0	40g	-1490K
5/8"	B	24.0	24.0	11.0	30.0	70g	-1500K
11/16"	B	24.0	24.0	11.0	30.0	70g	-1510K
3/4"	B	26.0	26.0	11.0	30.0	80g	-1520K

3/8" Drive Extension Bars



Length (mm)	Weight each	Order Code KEN-583
50 (2")	24g	-7500K
100 (4")	43g	-7510K



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KENNEDY Impact Sockets

Manufactured from high quality chrome molybdenum steel.
Black oxidised finish with permanent laser etched markings.

3/8" Drive Metric, Deep Length, 6-Point
Conform to: **DIN 3129**.




Style A


Style B


Style C

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
7	A	19.0	12.5	12.0	65.0	75g	**-1700K**
8	A	19.0	13.8	12.0	65.0	80g	**-1710K**
10	A	19.0	16.0	12.0	65.0	80g	**-1720K**
11	A	19.0	17.5	25.0	65.0	80g	**-1730K**
12	B	19.0	19.0	25.0	65.0	90g	**-1740K**
13	A	22.0	20.0	25.0	65.0	120g	**-1750K**
14	A	22.0	21.0	25.0	65.0	120g	**-1650K**
15	B	22.0	22.0	25.0	65.0	120g	**-1760K**
16	C	22.0	24.0	25.0	65.0	140g	**-1770K**
17	C	22.0	25.0	25.0	65.0	140g	**-1780K**
18	C	22.0	26.0	25.0	65.0	150g	**-1790K**
19	C	22.0	27.5	25.0	65.0	170g	**-1800K**
21	C	22.0	30.0	25.0	65.0	185g	**-1820K**

3/8" Drive Inch Size, Deep Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A**.




Style A


Style B

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
3/8"	A	19.0	14.5	12.0	65.0	80g	**-1840K**
7/16"	A	19.0	17.0	25.0	65.0	80g	**-1850K**
1/2"	B	19.0	19.0	25.0	65.0	90g	**-1860K**
9/16"	B	20.0	20.0	25.0	65.0	100g	**-1870K**
3/4"	B	26.0	26.0	25.0	65.0	100g	**-1880K**

Hex Driver Impact Sockets 3/8" Sq. Dr.

3/8 Hexagon sizes: 4, 5, 6, 7, 8, 10 and 12mm.
Conforms to **DIN 3129**.



Size (mm)	Overall Length	Weight each	Order Code KEN-583
4	50mm	40g	**-1960K**
5	50mm	45g	**-1962K**
6	50mm	45g	**-1964K**
7	50mm	45g	**-1966K**
8	50mm	50g	**-1968K**
10	50mm	60g	**-1970K**
12	50mm	70g	**-1972K**

7 Piece Set
Contents as above.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-583
7	550g	**-9820K**

Impact Socket Set

3/8 Standard length: metric 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Standard length: A/F 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".
Deep metric: 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 21mm.

39 PIECES



Number of Pieces	Weight each	Order Code KEN-583
39	3.50kg	**-9810K**

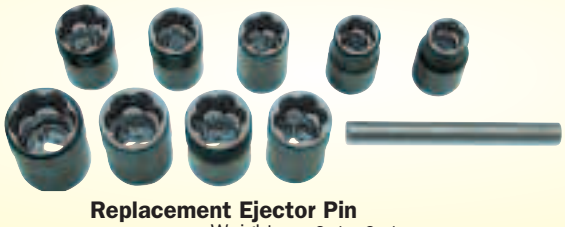
HAND TOOLS

KENNEDY Square Drive Impact Extractor Sockets

3/8 Extracts rounded, seized or painted right hand threaded fasteners, the reverse spiral flutes are designed to bite into seized nuts and bolts providing greater grip for extraction. The ejector pin is to drive out the fasteners from sockets, once removed.

Contents: 10, 11, 12, 13, 14, 15, 16, 17 and 19mm extractor sockets plus ejector pin.

10 PIECES



Product Number	Sizes (mm)	Weight each	Order Code KEN-583
SSE10M	10 - 19	660g	**-9800K**

Replacement Ejector Pin

To Suit	Weight each	Order Code KEN-583
SSE10M	11g	**-7960K**

Individual Extractor Sockets



Size (mm)	Weight each	Order Code KEN-583
10	33g	**-1980K**
11	34g	**-1981K**
12	35g	**-1982K**
13	36g	**-1983K**
14	37g	**-1984K**
15	51g	**-1985K**
16	57g	**-1986K**
17	68g	**-1987K**
19	85g	**-1989K**

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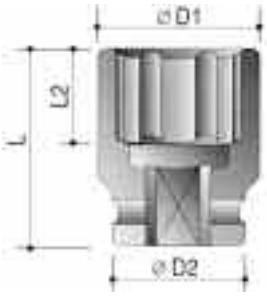
IMPACT SOCKETS - ½" SQUARE DRIVE

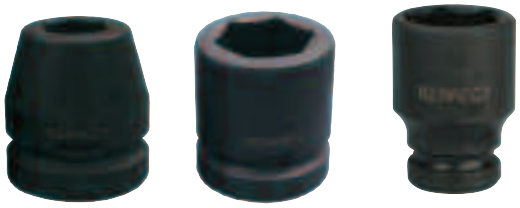
KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

½" Drive Metric, Standard Length, 6-Point
Conform to: **DIN 3129**.







Style A **Style B** **Style C**

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
9	A	25.0	12.0	12.0	38.0	90g	**-2010K**
10	A	25.0	17.5	12.0	38.0	90g	**-2020K**
11	A	25.0	18.7	12.0	38.0	95g	**-2030K**
12	A	25.0	20.0	12.0	38.0	100g	**-2040K**
13	A	25.0	21.0	12.0	38.0	100g	**-2050K**
14	A	25.0	22.5	12.0	38.0	100g	**-2060K**
15	A	30.0	23.7	12.0	38.0	140g	**-2070K**
16	A	30.0	25.0	12.0	38.0	140g	**-2080K**
17	A	30.0	26.0	13.0	38.0	140g	**-2090K**
18	A	30.0	27.5	13.0	38.0	140g	**-2100K**
19	A	30.0	28.7	13.0	38.0	140g	**-2110K**
20	B	30.0	30.0	13.0	38.0	140g	**-2120K**
21	B	30.0	30.0	13.0	38.0	130g	**-2130K**
22	C	30.0	32.0	13.0	38.0	140g	**-2140K**
23	C	30.0	32.0	13.0	38.0	140g	**-2150K**
24	C	30.0	35.0	20.0	45.0	180g	**-2160K**
26	C	30.0	38.0	22.0	50.0	200g	**-2180K**
27	C	30.0	38.7	22.0	50.0	310g	**-2190K**
28	C	30.0	40.0	22.0	50.0	230g	**-2200K**
30	C	30.0	42.0	22.0	50.0	230g	**-2220K**
32	C	30.0	44.0	28.0	50.0	250g	**-2230K**
36	C	30.0	49.0	28.0	50.0	250g	**-2250K**

½" Drive Inch Size, Standard Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A.**

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
3/8"	A	22.0	16.0	12.0	38.0	70g	**-2270K**
7/16"	A	22.0	18.0	12.0	38.0	70g	**-2280K**
1/2"	A	22.0	20.0	12.0	38.0	70g	**-2290K**
9/16"	A	24.0	22.0	12.0	38.0	80g	**-2300K**
5/8"	B	25.0	25.0	12.0	38.0	85g	**-2320K**
11/16"	B	26.0	26.0	13.0	38.0	90g	**-2330K**
3/4"	B	28.0	28.0	13.0	38.0	100g	**-2340K**
13/16"	B	30.0	30.0	13.0	38.0	125g	**-2350K**
7/8"	B	32.0	32.0	13.0	38.0	150g	**-2360K**
15/16"	B	34.0	34.0	13.0	38.0	170g	**-2370K**
1"	B	36.0	36.0	14.0	38.0	190g	**-2380K**
1 1/16"	B	38.0	38.0	16.0	40.0	205g	**-2390K**
1 1/8"	C	38.0	40.0	16.0	40.0	235g	**-2400K**
1 3/16"	C	38.0	42.0	16.0	40.0	255g	**-2410K**
1 1/4"	C	38.0	44.0	18.0	40.0	270g	**-2420K**

½" Drive BSW Size, Standard Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A.**

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
5/16"	A	30.0	25.0	12.0	38	140g	**-2510K**
3/8"	A	30.0	27.5	13.0	38	140g	**-2520K**
7/16"	B	30.0	30.0	13.0	38	140g	**-2530K**
1/2"	C	30.0	35.0	20.0	45	190g	**-2540K**
9/16"	C	30.0	38.0	22.0	50	210g	**-2550K**
5/8"	C	30.0	40.0	22.0	50	305g	**-2560K**
11/16"	C	30.0	44.0	28.0	50	305g	**-2570K**
3/4"	C	30.0	44.0	28.0	50	305g	**-2580K**

Impact Socket Sets

The sockets are manufactured from the highest quality chrome molybdenum steel which is clearly laser etched with the size for easy and rapid identification. Tough, impact-resistant carry case. Conforms to: **Metric DIN 3129, Inch SAE USA Federal Standard GGG-W-660A**.

9 Piece Set - Metric
Standard length: 10, 12, 13, 14, 17, 19, 24, 27 and 30mm.

9 PIECES



Number of Pieces	Weight each	Order Code KEN-583
9	1.70kg	**-9870K**

18 Piece Set - Metric
Standard length: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 26, 27, 30 and 32mm.

18 PIECES



Number of Pieces	Weight each	Order Code KEN-583
18	3.40kg	**-9860K**

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KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

½" Drive Reducers & Adaptors



Male Drive x Female Drive	Weight each	Order Code KEN-583
½" x ⅜"	70g	-7410K
⅜" x ½"	70g	-7420K
¾" x ½"	175g	-7430K
½" x ¾"	335g	-7440K

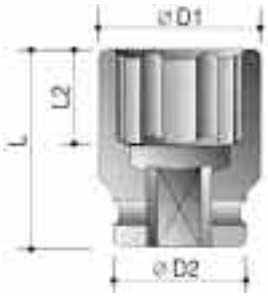
Universal Ball Joint



Male Drive x Female Drive	Weight each	Order Code KEN-583
½" x ½"	140g	-7840K

½" Drive Metric, Deep Length, 6-Point

Conform to: **DIN 3129**.





Style A **Style B** **Style C**

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
10	A	25.0	17.5	14.0	78.0	170g	-2600K
11	A	25.0	18.7	14.0	78.0	170g	-2610K
12	A	25.0	20.0	14.0	78.0	175g	-2620K
13	A	25.0	21.0	14.0	78.0	180g	-2630K
14	A	25.0	22.5	17.0	78.0	210g	-2640K
15	A	30.0	23.7	17.0	78.0	200g	-2650K
16	A	30.0	25.0	17.0	78.0	200g	-2660K
17	A	30.0	26.0	17.0	78.0	260g	-2670K
18	A	30.0	27.5	17.0	78.0	270g	-2680K
19	A	30.0	28.7	19.0	78.0	260g	-2690K
21	B	30.0	30.0	24.0	78.0	260g	-2700K
22	C	30.0	32.0	24.0	78.0	290g	-2710K
23	C	30.0	32.0	24.0	78.0	290g	-2720K
24	C	30.0	35.0	24.0	78.0	290g	-2730K
27	C	30.0	38.7	54.0	78.0	330g	-2740K
28	C	30.0	40.0	54.0	78.0	350g	-2750K
30	C	30.0	42.0	54.0	78.0	450g	-2760K
32	C	30.0	44.0	54.0	78.0	370g	-2770K

½" Drive Extension Bars



Length (mm)	Weight each	Order Code KEN-583
125 (5")	230g	-7520K
150 (6")	270g	-7530K
250 (10")	445g	-7540K
300 (12")	620g	-7550K
380 (15")	740g	-7560K

Hub Nut Impact Socket Set - 7 Piece

These extra deep sockets are six point single hexagon with a black oxidised finish and conform to **DIN 3129, Inch SAE and USA Federal Standard GGG-W-660A**.

Impact resistant storage case.

7 PIECES

Socket sizes:
29, 30, 32, 34, 35, 36 and 38mm.



Number of Pieces	Weight each	Order Code KEN-583
7	5.3kg	-9888K

½" Drive Inch Size, Deep Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
⅜"	A	22.0	16.0	14.0	78.0	140g	-2780K
7/16"	A	22.0	18.0	14.0	78.0	160g	-2790K
½"	A	22.0	20.0	14.0	78.0	200g	-2800K
9/16"	A	24.0	22.0	17.0	78.0	180g	-2810K
⅝"	B	24.0	24.0	17.0	78.0	210g	-2820K
11/16"	B	26.0	26.0	17.0	78.0	190g	-2830K
¾"	B	28.0	28.0	19.0	78.0	235g	-2840K
13/16"	B	30.0	30.0	24.0	78.0	260g	-2850K
⅞"	B	32.0	32.0	24.0	78.0	290g	-2860K
15/16"	B	34.0	34.0	24.0	78.0	340g	-2870K
1"	B	36.0	36.0	24.0	78.0	340g	-2880K
1 1/16"	B	38.0	38.0	24.0	78.0	440g	-2890K
1⅛"	C	38.0	40.0	24.0	78.0	410g	-2900K

½" Drive BSW Size, Deep Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
5/16"	A	30.0	25.0	17.0	78	200g	-2910K
⅜"	A	30.0	27.5	17.0	78	250g	-2920K
7/16"	B	30.0	30.0	24.0	78	300g	-2930K
½"	C	30.0	35.0	24.0	78	360g	-2940K
9/16"	C	30.0	38.7	24.0	78	440g	-2950K
⅝"	C	30.0	40.0	24.0	78	480g	-2960K
11/16"	C	30.0	44.0	24.0	78	500g	-2970K
¾"	C	30.0	44.0	24.0	78	450g	-2980K

7 Piece Set - Deep Metric

10, 13, 14, 17, 19, 24 and 30mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-583
7	2.20kg	-9880K

HAND TOOLS

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IMPACT SOCKETS - ½" SQUARE DRIVE

KENNEDY QUALITY INDUSTRIAL TOOLING

Impact Wheel Nut Sockets

½ **Socket sizes:** 17, 19 and 21mm.
Colour coded for easy identification.
Can be used with retainer rings or pins.



Size (mm)	Overall Length	Weight each	Order Code KEN-583
17	85mm	225g	**-3080K**
19	85mm	225g	**-3082K**
21	85mm	255g	**-3084K**

3 Piece Set

½ Contains one of each size 17, 19 and 21mm.

3 PIECES



Number of Pieces	Weight each	Order Code KEN-583
3	895g	**-9886K**

Impact Hexagon Bit Drivers



½ **Hexagon sizes:** 6, 7, 8, 10, 12, 14, 15, 17, 18 and 19mm.

Size (mm)	Overall Length	Weight each	Order Code KEN-583
6	75mm	95g	**-3010K**
7	75mm	95g	**-3012K**
8	75mm	105g	**-3014K**
10	75mm	120g	**-3016K**
12	75mm	130g	**-3018K**
14	75mm	150g	**-3020K**
15	75mm	155g	**-3022K**
17	75mm	175g	**-3024K**
18	75mm	195g	**-3026K**
19	75mm	200g	**-3028K**

10 Piece Set

½ Contains one of each size 6mm to 19mm as shown left.

10 PIECES



Number of Pieces	Weight each	Order Code KEN-583
10	1.76kg	**-9882K**

Impact TX Bit Driver Sockets



½ **TX drivers:** T40, T45, T47, T50, T55, T60 and T70.

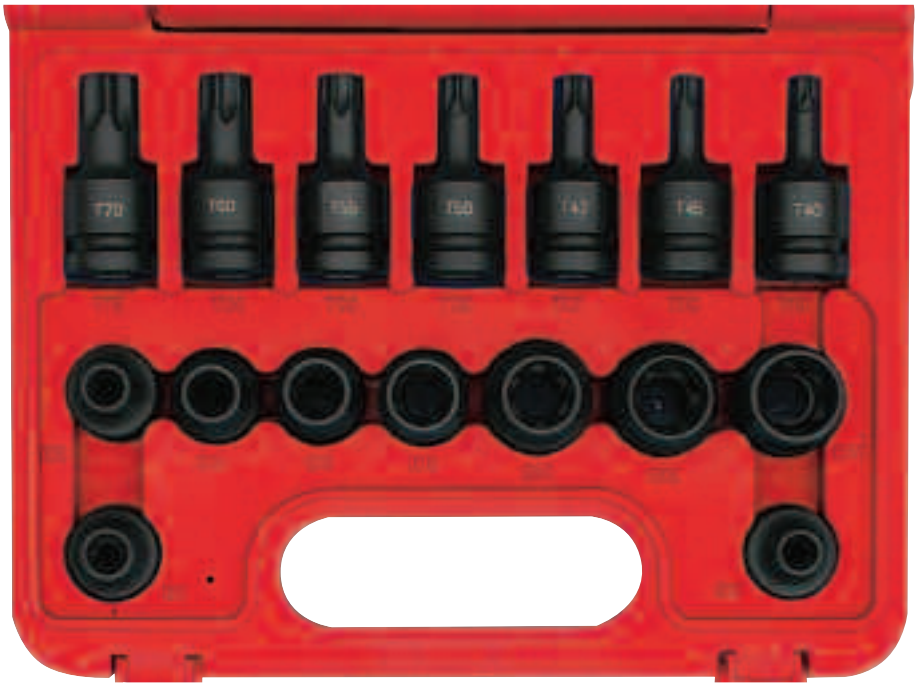
Size	Overall Length	Weight each	Order Code KEN-583
T40	55mm	80g	**-3060K**
T45	55mm	80g	**-3062K**
T47	55mm	85g	**-3064K**
T50	55mm	85g	**-3066K**
T55	55mm	90g	**-3068K**
T60	55mm	95g	**-3070K**
T70	55mm	105g	**-3072K**

16 Piece Set Contents:

½ **TX drivers (length 55mm):** T40, T45, T47, T50, T55, T60, T70.

TX sockets: E10, E11, E12, E14, E16, E18, E20, E22, E24.
Conform to **DIN 3129**. Supplied in tough, impact-resistant plastic storage case.

16 PIECES



Number of Pieces	Weight each	Order Code KEN-583
16	1.91kg	**-9884K**

Impact TX Sockets

½



Size	Overall Length	Weight each	Order Code KEN-583
E10	40mm	70g	**-3040K**
E11	40mm	70g	**-3042K**
E12	40mm	70g	**-3044K**
E14	45mm	75g	**-3046K**
E16	45mm	75g	**-3048K**
E18	45mm	75g	**-3050K**
E20	45mm	115g	**-3052K**
E22	45mm	140g	**-3054K**
E24	45mm	145g	**-3056K**

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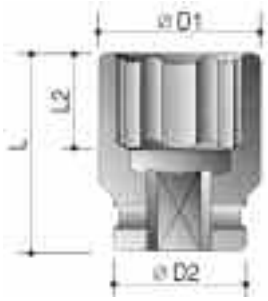
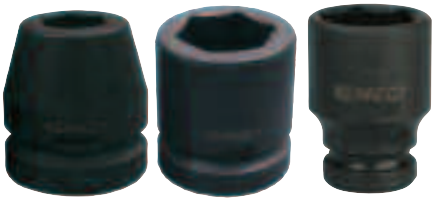
KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

¾" Drive Metric, Standard Length, 6-Point
Conform to: **DIN 3129**.





Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
16	A	44.0	27.0	11.0	50.0	367g	-3090K
17	A	44.0	31.0	12.0	50.0	400g	-3100K
18	A	44.0	32.0	13.0	50.0	433g	-3110K
19	A	44.0	33.0	13.0	50.0	433g	-3120K
20	A	44.0	34.0	14.0	50.0	433g	-3130K
21	A	44.0	35.0	15.0	50.0	400g	-3140K
22	A	44.0	37.0	15.0	50.0	400g	-3150K
23	A	44.0	38.0	16.0	50.0	400g	-3160K
24	A	44.0	39.0	16.0	50.0	433g	-3170K
25	A	44.0	40.0	16.0	50.0	433g	-3180K
26	A	44.0	41.0	16.0	50.0	433g	-3190K
27	A	44.0	43.0	19.0	54.0	433g	-3200K
28	B	44.0	44.0	19.0	54.0	433g	-3210K
29	C	44.0	45.0	21.0	54.0	450g	-3220K
30	C	44.0	47.0	21.0	54.0	500g	-3230K
32	C	44.0	49.0	22.0	56.0	500g	-3240K
33	C	44.0	51.0	22.0	56.0	500g	-3250K
34	C	44.0	52.0	22.0	56.0	550g	-3260K
35	C	44.0	53.0	22.0	56.0	550g	-3270K
36	C	44.0	54.0	25.0	56.0	600g	-3280K
38	C	44.0	57.0	25.0	58.0	600g	-3300K
41	C	44.0	60.0	27.0	58.0	700g	-3310K
42	C	44.0	62.0	27.0	58.0	700g	-3320K
46	C	44.0	67.0	30.0	63.0	800g	-3330K
47	C	44.0	68.0	30.0	68.0	900g	-3340K
50	C	54.0	71.0	32.0	72.0	1200g	-3350K

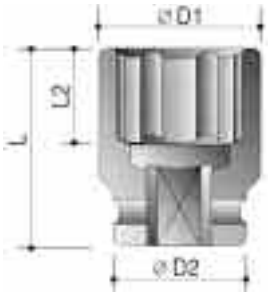
¾" Drive Inch Size, Standard Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
5/8"	A	38.0	27.5	11.0	50	267g	-3360K
11/16"	A	38.0	29.0	12.0	50	267g	-3370K
3/4"	A	38.0	30.0	13.0	50	267g	-3380K
13/16"	A	38.0	32.0	15.0	52	300g	-3390K
7/8"	A	38.0	34.0	15.0	52	300g	-3400K
15/16"	A	38.0	36.0	16.0	52	300g	-3410K
1"	C	38.0	40.0	16.0	52	333g	-3420K
1 1/16"	C	38.0	40.0	19.0	52	333g	-3430K
1 1/8"	B	42.0	42.0	21.0	52	333g	-3440K
1 3/16"	B	44.0	44.0	21.0	52	367g	-3450K
1 1/4"	B	44.0	44.0	22.0	52	367g	-3460K
1 5/16"	C	44.0	47.0	22.0	56	450g	-3470K
1 3/8"	C	44.0	50.0	22.0	56	450g	-3480K
1 7/16"	C	44.0	51.0	25.0	56	500g	-3490K
1 1/2"	C	44.0	53.0	25.0	56	500g	-3500K
1 5/8"	C	44.0	58.0	27.0	62	700g	-3520K
1 11/16"	C	44.0	63.5	27.0	62	800g	-3530K
1 3/4"	C	44.0	65.0	27.0	62	800g	-3540K
1 13/16"	C	44.0	67.0	30.0	68	900g	-3550K
1 7/8"	C	44.0	68.0	30.0	68	900g	-3560K

¾" Drive BSW Size, Standard Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
9/16"	A	44.0	41.0	16.0	50	433g	-3620K
11/16"	C	44.0	48.0	21.0	56	450g	-3640K
3/4"	C	44.0	51.0	22.0	56	500g	-3650K
7/8"	C	44.0	57.0	25.0	58	600g	-3670K
1"	C	44.0	63.0	27.0	63	800g	-3690K
1 1/8"	C	44.0	68.0	30.0	68	900g	-3710K
1 1/4"	C	44.0	74.0	32.0	72	1100g	-3720K

¾" Drive Metric, Deep Length, 6-Point
Conform to: **DIN 3129**.





Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
17	A	44.0	31.0	17.0	95.0	600g	-3810K
18	A	44.0	32.0	18.0	95.0	600g	-3820K
19	A	44.0	33.0	19.0	95.0	600g	-3830K
21	A	44.0	35.0	21.0	95.0	650g	-3850K
22	A	44.0	37.0	22.0	95.0	700g	-3860K
24	A	44.0	39.0	24.0	95.0	700g	-3880K
25	A	44.0	40.0	25.0	95.0	700g	-3890K
26	A	44.0	41.0	26.0	95.0	700g	-3900K
27	A	44.0	43.0	27.0	95.0	700g	-3910K
28	B	44.0	44.0	28.0	95.0	750g	-3920K
30	C	44.0	47.0	30.0	95.0	800g	-3940K
32	C	44.0	49.0	32.0	95.0	900g	-3960K
33	C	44.0	51.0	33.0	95.0	1000g	-3970K
34	C	44.0	52.0	34.0	95.0	1000g	-3980K
36	C	44.0	54.0	36.0	95.0	1000g	-4000K
38	C	44.0	57.0	38.0	95.0	1100g	-4020K
41	C	44.0	60.0	38.0	95.0	900g	-4050K
42	C	44.0	62.0	38.0	95.0	1100g	-4060K
46	C	44.0	67.0	38.0	95.0	1300g	-4100K
47	C	44.0	68.0	38.0	95.0	1300g	-4110K

¾" Drive Inch Size, Deep Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
3/4"	A	38.0	30.0	19.0	85.0	433g	-4160K
7/8"	A	38.0	34.0	22.0	85.0	467g	-4180K
15/16"	A	38.0	36.0	24.0	85.0	467g	-4190K
1"	C	38.0	40.0	25.0	85.0	550g	-4200K
1 1/16"	C	38.0	40.0	27.0	85.0	550g	-4210K
1 1/8"	B	42.0	42.0	29.0	85.0	550g	-4220K
1 3/16"	B	44.0	44.0	30.0	85.0	600g	-4230K
1 1/4"	C	44.0	49.0	32.0	85.0	800g	-4240K
1 5/16"	C	44.0	50.0	34.0	85.0	800g	-4250K
1 7/16"	C	44.0	51.0	37.0	85.0	800g	-4270K
1 1/2"	C	44.0	57.0	38.0	95.0	1100g	-4280K
1 7/8"	C	44.0	68.0	38.0	95.0	1100g	-4340K

¾" Drive BSW Size, Deep Length, 6-Point
Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
3/4"	C	44.0	51.0	33.0	95	1000g	-4450K
13/16"	C	44.0	53.0	35.0	95	1000g	-4460K
7/8"	C	44.0	57.0	38.0	95	1100g	-4470K

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IMPACT SOCKETS - ¾" & 1" SQUARE DRIVE

KENNEDY QUALITY INDUSTRIAL TOOLING

Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

¾" Drive Reducers & Adaptors



Male Drive x Female Drive	Weight each	Order Code KEN-583
¾" x ½"	175g	-7430K
½" x ¾"	335g	-7440K
1" x ¾"	175g	-7450K

Universal Ball Joint



Male Drive x Female Drive	Weight each	Order Code KEN-583
¾" x ¾"	640g	-7860K

Retaining Rings

Supplied with pins



To Suit Outside Dia.	Square Drive	Weight each	Order Code KEN-583
38 - 44mm	¾"	8g	-8200K
48 - 54mm	¾"	16g	-8210K
46 - 58mm	1"	16g	-8300K
62mm	1"	18g	-8310K
78 - 86mm	1"	31g	-8320K

7 Piece Set - Metric

Standard length: 19, 24, 27, 30, 32, 36 and 46mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-583
7	4.20kg	-9890K

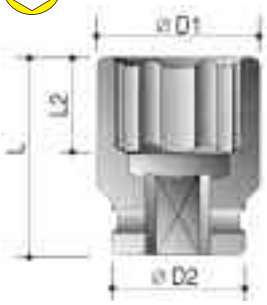
¾" Drive Extension Bars

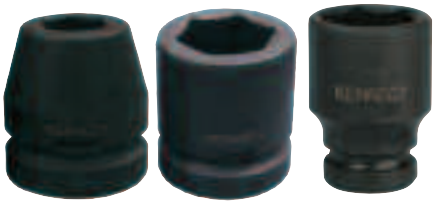


Length (mm)	Weight each	Order Code KEN-583
100 (4")	470g	-7570K
150 (6")	810g	-7580K
230 (9")	900g	-7600K
250 (10")	1350g	-7610K
300 (12")	1500g	-7620K
400 (15 ¾")	1900g	-7640K

1" Drive Metric, Standard Length, 6-Point

Conform to: **DIN 3129**.





Style A Style B Style C

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
21	A	54.0	38.0	15.0	60.0	700g	-5050K
22	A	54.0	40.0	15.0	60.0	700g	-5060K
24	A	54.0	42.0	18.0	60.0	800g	-5080K
25	A	54.0	43.0	18.0	60.0	800g	-5090K
26	A	54.0	44.5	18.0	60.0	800g	-5100K
27	A	54.0	46.0	19.0	60.0	800g	-5110K
28	A	54.0	47.0	19.0	62.0	800g	-5120K
29	A	54.0	48.0	19.0	62.0	800g	-5130K
30	A	54.0	50.0	21.0	62.0	700g	-5140K
32	A	54.0	52.0	22.0	62.0	800g	-5160K
33	A	54.0	53.0	22.0	62.0	800g	-5170K
34	B	54.0	55.0	22.0	62.0	800g	-5180K
35	B	54.0	55.0	22.0	62.0	800g	-5190K
36	B	54.0	57.0	25.0	67.0	900g	-5200K
37	B	54.0	59.0	25.0	67.0	900g	-5210K
38	B	54.0	60.0	25.0	67.0	900g	-5220K
41	B	54.0	63.0	27.0	70.0	1000g	-5250K
42	B	54.0	65.0	27.0	74.0	1200g	-5260K
46	B	54.0	70.0	30.0	76.0	1200g	-5290K
47	B	54.0	71.5	32.0	76.0	1200g	-5300K
48	B	54.0	72.5	32.0	76.0	1200g	-5310K
50	B	54.0	75.0	35.0	80.0	1500g	-5330K
52	B	54.0	77.0	35.0	84.0	1500g	-5350K
55	B	54.0	81.0	35.0	84.0	1750g	-5380K
56	B	54.0	82.0	40.0	84.0	1750g	-5390K
60	B	54.0	87.0	42.0	87.0	1750g	-5430K
65	B	54.0	93.0	42.0	90.0	2000g	-5460K
70	B	54.0	100.0	42.0	96.0	3000g	-5480K
75	B	86.0	106.0	45.0	98.0	4000g	-5500K
80	B	86.0	112.0	48.0	100.0	4000g	-5520K
85	B	86.0	118.0	52.0	105.0	5000g	-5530K
90	B	86.0	125.0	52.0	105.0	5000g	-5550K
95	B	86.0	131.0	52.0	115.0	6000g	-5570K
100	B	95.0	137.0	58.0	115.0	7000g	-5580K

1" Drive Inch Size, Standard Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
7/8"	A	51.0	39.0	15.0	58.0	550g	-5610K
15/16"	A	51.0	40.0	18.0	58.0	550g	-5620K
1"	A	51.0	42.0	18.0	58.0	550g	-5630K
1 1/16"	A	51.0	44.0	19.0	58.0	600g	-5640K
1 1/8"	A	51.0	46.0	19.0	58.0	600g	-5650K
1 3/16"	A	51.0	48.0	21.0	60.0	650g	-5660K
1 1/4"	B	51.0	51.0	22.0	60.0	650g	-5670K
1 5/16"	C	52.0	53.0	22.0	62.0	733g	-5680K
1 7/16"	C	52.0	56.0	25.0	62.0	700g	-5700K
1 1/2"	C	52.0	58.0	25.0	62.0	800g	-5710K
1 9/16"	C	52.0	60.0	25.0	62.0	800g	-5720K
1 5/8"	C	52.0	61.5	27.0	62.0	800g	-5730K
1 11/16"	C	52.0	65.0	27.0	64.0	900g	-5740K
1 3/4"	C	58.0	66.0	27.0	64.0	1000g	-5750K
1 13/16"	C	58.0	68.0	30.0	64.0	1100g	-5760K
1 7/8"	C	58.0	70.0	32.0	66.0	1100g	-5770K
2"	C	58.0	74.0	35.0	70.0	1250g	-5790K
2 1/16"	C	58.0	75.0	35.0	70.0	1250g	-5800K
2 1/8"	C	58.0	78.0	35.0	70.0	1250g	-5810K
2 3/16"	C	62.0	80.0	35.0	72.0	1500g	-5820K
2 1/4"	C	62.0	84.0	40.0	75.0	1500g	-5830K
2 3/8"	C	62.0	87.0	42.0	78.0	1500g	-5850K
2 1/2"	C	62.0	91.0	42.0	80.0	2500g	-5870K
2 9/16"	C	62.0	93.0	42.0	80.0	2500g	-5880K
2 5/8"	C	62.0	95.0	42.0	82.0	2500g	-5890K
2 3/4"	C	62.0	100.0	42.0	96.0	3000g	-5910K
2 13/16"	C	62.0	102.0	45.0	96.0	4000g	-5920K
3"	C	86.0	107.0	48.0	100.0	4000g	-5950K
3 1/8"	C	86.0	111.0	48.0	100.0	5000g	-5970K
3 1/2"	C	86.0	124.0	52.0	105.0	5000g	-6000K

1" Drive BSW Size, Standard Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A**.

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
11/16"	A	54.0	51.0	21.0	62	800g	-6080K
3/4"	B	54.0	53.0	22.0	62	800g	-6090K
13/16"	B	54.0	56.0	22.0	65	800g	-6100K
1"	B	54.0	66.0	27.0	74	1200g	-6130K
1 1/8"	B	56.0	70.0	32.0	66	1100g	-6140K
1 1/4"	B	54.0	77.0	36.0	84	1500g	-6150K
1 1/2"	B	62.0	89.0	42.0	78	1500g	-6170K

HAND TOOLS

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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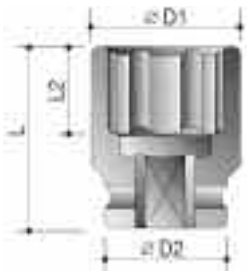
KENNEDY QUALITY INDUSTRIAL TOOLING

Chrome Molybdenum Impact Sockets & Accessories

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

1" Drive Metric, Deep Length, 6-Point

Conform to: **DIN 3129**.





Style A Style B Style C

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
23	A	54.0	41.0	23.0	100.0	1200g	**-6250K**
24	A	54.0	42.0	24.0	100.0	1200g	**-6260K**
27	A	54.0	46.0	27.0	100.0	1200g	**-6290K**
28	A	54.0	47.0	28.0	100.0	1200g	**-6300K**
30	A	54.0	50.0	30.0	100.0	1200g	**-6320K**
32	A	54.0	52.0	32.0	100.0	1400g	**-6340K**
33	A	54.0	53.0	33.0	100.0	1400g	**-6350K**
34	B	54.0	55.0	34.0	100.0	1400g	**-6360K**
36	B	54.0	57.0	35.0	100.0	1400g	**-6380K**
37	B	54.0	59.0	37.0	100.0	1400g	**-6390K**
38	B	54.0	60.0	38.0	100.0	1400g	**-6400K**
41	B	54.0	63.0	38.0	100.0	1400g	**-6430K**
42	B	54.0	65.0	38.0	100.0	1400g	**-6440K**
46	B	54.0	70.0	38.0	100.0	1600g	**-6480K**
50	B	54.0	75.0	38.0	100.0	2000g	**-6520K**
52	B	54.0	77.0	40.0	100.0	1750g	**-6540K**
55	B	54.0	81.0	40.0	100.0	2000g	**-6570K**
56	B	54.0	82.0	40.0	105.0	2000g	**-6580K**
60	B	54.0	87.0	42.0	120.0	2500g	**-6630K**
65	B	54.0	93.0	42.0	125.0	3500g	**-6660K**
70	B	54.0	100.0	42.0	125.0	5000g	**-6680K**
75	B	86.0	106.0	45.0	135.0	6000g	**-6700K**
80	B	86.0	112.0	48.0	135.0	6000g	**-6720K**

Universal Ball Joint



Male Drive x Female Drive	Weight each	Order Code KEN-583
1" x 1"	640g	**-7880K**

1" Drive Reducers & Adaptors



Male Drive x Female Drive	Weight each	Order Code KEN-583
¾" x 1"	335g	**-7460K**
1½" x 1"	670g	**-7480K**

1" Drive Extension Bars



Length (mm)	Weight each	Order Code KEN-583
100 (4")	590g	**-7650K**
150 (6")	610g	**-7660K**
200 (8")	1000g	**-7680K**
250 (10")	2100g	**-7690K**
300 (12")	2500g	**-7700K**
380 (15")	2600g	**-7720K**

1" Drive Inch Size, Deep Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A.**

Socket (inch)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
1"	A	51.0	42.0	25.0	90.0	900g	**-6760K**
1 1/16"	A	51.0	44.0	27.0	90.0	1000g	**-6770K**
1 1/8"	A	51.0	46.0	29.0	90.0	1000g	**-6780K**
1 3/16"	A	51.0	48.0	30.0	90.0	1000g	**-6790K**
1 1/4"	B	51.0	51.0	32.0	90.0	1000g	**-6800K**
1 5/16"	C	52.0	53.0	34.0	90.0	1200g	**-6810K**
1 3/8"	C	52.0	54.0	35.0	90.0	1200g	**-6820K**
1 1/2"	C	52.0	58.0	38.0	92.0	1200g	**-6840K**
1 9/16"	C	52.0	60.0	38.0	92.0	1200g	**-6850K**
1 5/8"	C	52.0	61.5	38.0	92.0	1200g	**-6860K**
1 11/16"	C	52.0	65.0	38.0	92.0	1200g	**-6870K**
1 3/4"	C	58.0	66.0	38.0	92.0	1400g	**-6880K**
1 13/16"	C	58.0	68.0	38.0	92.0	1400g	**-6890K**
1 7/8"	C	58.0	70.0	38.0	92.0	1600g	**-6900K**
1 15/16"	B	58.0	72.0	38.0	100.0	1500g	**-6910K**
2"	C	58.0	74.0	40.0	95.0	1750g	**-6920K**
2 1/16"	C	58.0	75.0	40.0	95.0	1750g	**-6930K**
2 1/8"	C	58.0	78.0	40.0	100.0	2000g	**-6940K**
2 3/16"	C	62.0	80.0	40.0	100.0	2250g	**-6950K**
2 1/4"	C	62.0	84.0	40.0	100.0	2500g	**-6960K**
2 5/16"	C	62.0	86.0	40.0	105.0	2500g	**-6970K**
2 3/8"	C	62.0	87.0	42.0	105.0	3000g	**-6980K**
2 7/16"	C	62.0	89.0	42.0	110.0	3000g	**-6990K**
2 1/2"	C	62.0	91.0	42.0	110.0	4000g	**-7000K**
2 5/8"	C	62.0	95.0	42.0	125.0	4000g	**-7020K**
2 3/4"	C	62.0	100.0	42.0	125.0	4000g	**-7040K**
2 7/8"	C	86.0	104.0	42.0	125.0	5000g	**-7060K**
2 15/16"	C	86.0	105.0	45.0	135.0	6000g	**-7070K**
3"	C	86.0	107.0	48.0	135.0	6000g	**-7080K**
3 1/8"	B	86.0	111.0	48.0	135.0	6000g	**-7100K**

1" Drive BSW Size, Deep Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A.**

Socket (BSW)	Style	Dimensions (mm) D2	D1	L2	L	Weight each	Order Code KEN-583
¾"	A	54.0	53.0	33.0	100	1400g	**-7150K**
1 3/8"	B	54.0	82.0	40.0	105	2000g	**-7220K**
1 1/2"	B	62.0	89.0	42.0	110	3000g	**-7230K**
1 3/4"	B	60.0	102.0	45.0	125	4000g	**-7250K**

7 Piece Impact Socket Set

Socket sizes:
27, 30, 32, 33, 36, 41 and 46mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-583
7	5.95kg	**-9920K**

1½" Drive Metric Size, Standard Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A.**

Socket (mm)	Style	Dimensions (mm) D2	D1	L2	L	Order Code KEN-583
30		54.0	56.0	21.0	78.0	**-8430K**
32		86.0	58.0	22.0	78.0	**-8432K**
33		86.0	60.0	22.0	78.0	**-8433K**
36		86.0	64.0	24.0	78.0	**-8436K**
38		86.0	66.0	26.0	80.0	**-8438K**
41		86.0	70.0	28.0	80.0	**-8441K**
46		86.0	76.0	30.0	84.0	**-8446K**
48		86.0	79.0	32.0	87.0	**-8448K**
50		86.0	81.0	32.0	87.0	**-8450K**
52		86.0	83.0	34.0	87.0	**-8452K**
55		86.0	87.0	37.0	90.0	**-8455K**
56		86.0	88.0	37.0	92.0	**-8456K**
60		86.0	94.0	39.0	95.0	**-8460K**
65		86.0	100.0	42.0	100.0	**-8465K**
70		86.0	106.0	46.0	105.0	**-8470K**
75		86.0	112.0	49.0	108.0	**-8475K**
80		86.0	119.0	53.0	115.0	**-8480K**
85		86.0	125.0	56.0	118.0	**-8485K**
95		95.0	137.0	61.0	123.0	**-8495K**

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KENNEDY Spring Loaded Pipe Cutter

Designed to cut copper, brass, aluminium, plastic and thin wall conduit, this pipe cutter has a 3-30mm capacity and spring loaded mechanism. It also features an internal pipe deburrer.





NEW

Capacity (mm)	Weight each	Order Code KEN-588
3 - 30		-4720K

2-in-1 Automatic Ratcheting Pipe Cutter

Designed to cut copper, brass, aluminium, plastic and thin wall conduit, this pipe cutter has a 6 - 28mm capacity and spring loaded mechanism. It features a detachable ratchet handle for use in tight work areas and has a hanging hole for storage.



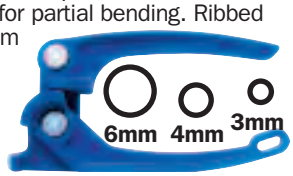


NEW

Capacity (mm)	Weight each	Order Code KEN-588
6 - 28		-4700K
Spare Cutter	5g	-4690K

3-in-1 Bender

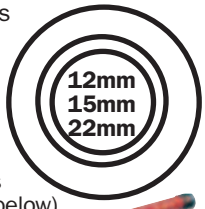
For bending 3, 4 and 6mm diameter copper and aluminium tubes up to 90°. With a graduated scale for partial bending. Ribbed die-cast aluminium construction for lightness and strength.
Length: 140mm.

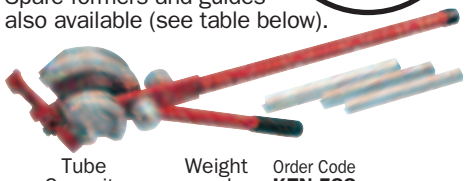


Capacity (mm)	Weight each	Order Code KEN-588
3, 4 & 6	150g	-6080K

Multibender Pipe Bender

Precision bending up to 180°. Bends tube without distortion. Formers and guides will accept 12, 15 and 22mm O/D tube. For use in the plumbing, heating, refrigeration and air conditioning industries. Spare formers and guides also available (see table below).





Tube Capacity	Weight each	Order Code KEN-588
12, 15 & 22mm	4.10kg	-6200K

Accessories

Tube Capacity	Weight each	Order Code KEN-588
12/15mm Former Only	172g	-6810K
12/22mm Former Only	321g	-6820K
12mm Guide Only	123g	-6920K
15mm Guide Only	104g	-6940K
22mm Guide Only	287g	-6960K

3-in-1 Mini Bender

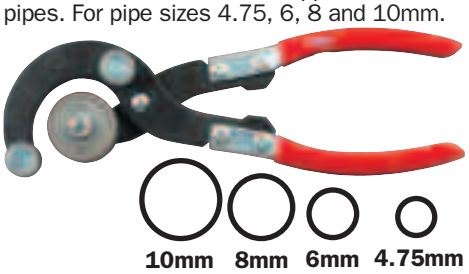
For bending 6, 8 and 10mm diameter copper and aluminium tubes up to 90°. Calibrated for left hand, right hand or offset ends in copper, brass, aluminium or steel. With a graduated scale for partial bending. Ribbed die-cast aluminium construction for lightness and strength.



Capacity (mm)	Angle Range	Weight each	Order Code KEN-588
6, 8 & 10	0 - 90°	430g	-6100K

4-in-1 Micro Pipe Bender

High tensile steel with rivetted carbon steel. PVC grips. Carbon steel guides. Quick change aluminium formers. Bends copper and steel pipes. For pipe sizes 4.75, 6, 8 and 10mm.



Capacity	Weight each	Order Code KEN-588
4.75-10mm	565g	-6300K

Midget Pipe Cutter

For use on copper, brass, aluminium and thin wall conduit. Supplied with spare blade.
Width: 25mm.
Overall length: 95mm.



Capacity (mm)	Weight each	Order Code KEN-588
3 - 28	270g	-5490K
Spare Cutter	5g	-5800K

Mini Pipe Cutter

Compact and robust construction ideal for use in confined spaces. Grooved rollers allow close-to-flare cuts. Large feed screw for accurate cutting of aluminium, brass, copper and steel tubing.
Length: 66mm.



For Aluminium, Brass, Copper & Steel

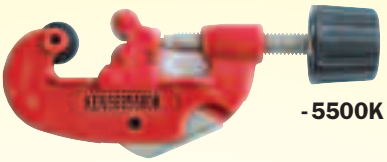
Capacity (mm)	Weight each	Order Code KEN-588
3 - 22	140g	-5450K
Spare Cutter	5g	-5800K

For Stainless Steel

Capacity (mm)	Weight each	Order Code KEN-588
3 - 22	140g	-5700K
Spare Cutter	5g	-5790K

Pipe Cutters

With high strength cast bodies and single cutting wheels with two rollers. Suitable for stainless steel, brass and copper tubes. All fitted with deburring blades.



-5500K



-5720K

For Aluminium, Brass, Copper & Steel

Capacity (mm)	Weight each	Order Code KEN-588
3 - 30	195g	-5500K
Spare Cutter	5g	-5590K

For Stainless Steel

Capacity (mm)	Weight each	Order Code KEN-588
3 - 32	310g	-5720K
Spare Cutter	5g	-5790K

Heavy Duty Pipe Cutters

With high strength cast bodies and single cutting wheels with four rollers for straighter cuts. Spring-loaded release mechanism allows quick diameter adjustment and release Suitable for aluminium, brass and copper tubes. Fitted with deburring blades.



-5550K

Replacement Cutting Wheels



-5690K

For Aluminium, Brass, Copper & Steel

Capacity (mm)	Weight each	Order Code KEN-588
5 - 64	625g	-5550K
Spare Cutter	5g	-5690K

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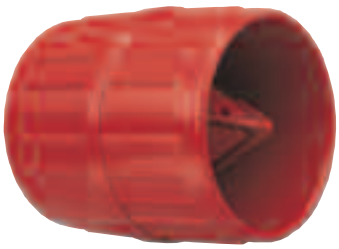
KENNEDY Pipe Deburrer

For internal and external edges.



Capacity (mm)	Weight each	Order Code KEN-588
3-40 (⅛"-1⅝")	250g	-5900K

Automatic Pipe Cutters

These robust pipe cutters will cut copper, brass, aluminium, PVC and thin-wall conduit. They automatically tighten and cut when turned around the pipe. The compact design makes them ideal for working in confined spaces.



Capacity	Weight each	Order Code KEN-588
15mm	186g	-4800K
22mm	192g	-4820K
Spare Cutter	5g	-4840K

Automotive Chain Pipe Cutter

Cuts thin wall pipe (stainless steel, copper, PVC etc.) up to 2.6mm thickness. The grip action eliminates hand gripping effort to ensure perfect tracking. Can be used for efficient cutting of exhaust pipes.



Capacity	Overall Length	Weight each	Order Code KEN-588
15 - 75mm	250mm	800g	-5100K

Industrial Chain Pipe Cutter

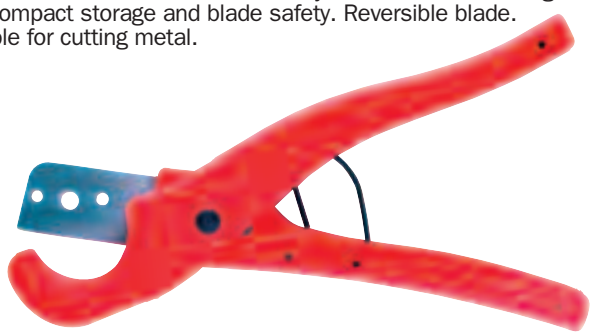
Cuts wall pipe (welded and seamless) up to 6mm thick. The grip action eliminates hand gripping effort to ensure perfect tracking.



Capacity	Overall Length	Weight each	Order Code KEN-588
20 - 115mm	250mm	800g	-5120K

Rubber Hose Cutter

6 - 37mm cutting capacity. Spring opening. Lightweight moulded polypropylene body. Stainless steel blade. Guillotine action ensures a clean cut every time. Handle retaining hook for compact storage and blade safety. Reversible blade. Not suitable for cutting metal.



Capacity (mm)	Weight each	Order Code KEN-588
6 - 37	270g	-5000K

Plastic Pipe Cutter - Mini Hose Type

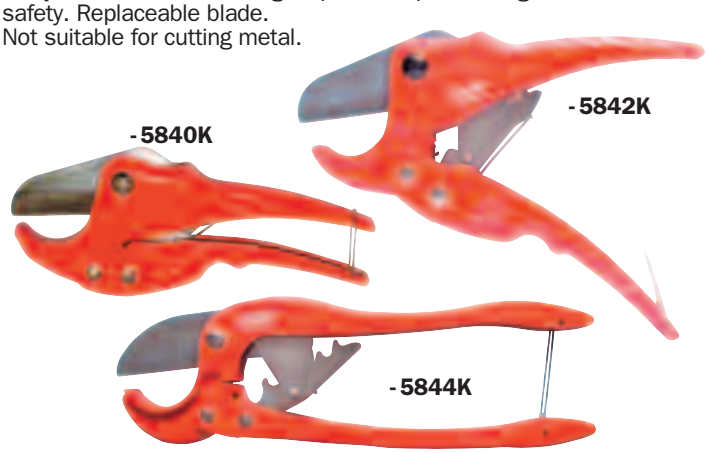
Manufactured from tough hard wearing ABS plastic. Spring loaded with a heat-treated steel blade.



Capacity	Weight each	Order Code KEN-588
12.7mm	35g	-5400K

Plastic Pipe Cutters

Stainless steel blade. Diecast alloy body. Extra wide lower jaws for easy production of 90° cuts. Guillotine action ensures a clean cut every time. Handle retaining loop for compact storage and blade safety. Replaceable blade. Not suitable for cutting metal.



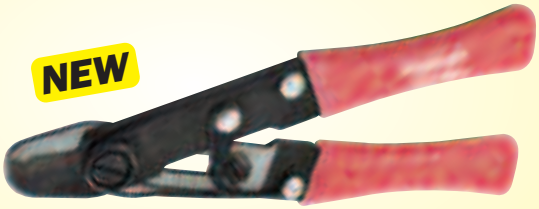
Capacity	Ratchet stages	Order Code KEN-588
6 - 36mm	4	-5840K
Spare blade - Stainless Steel		-5880K
12 - 42mm	7	-5842K
Spare blade - Stainless Steel		-5882K
25 - 63mm	5	-5844K
Spare blade - Carbon Steel		-5870K
Spare blade - Stainless Steel		-5884K

Capillary Tube Cutter

CTP1

These cutters are designed to cut annealed capillary tubing cleanly and easily without flattening or constricting the tubing.





Overall Length	Weight each	Order Code KEN-588
130mm (5")	65g	-4660K

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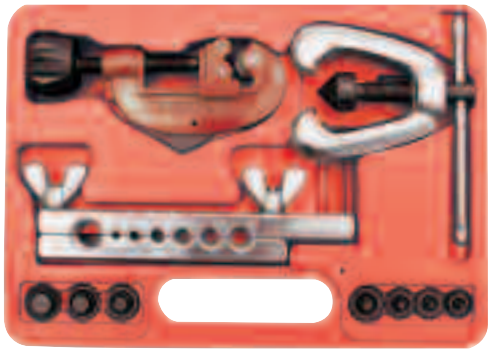
PIPE FLARING TOOLS/PRESSURE TESTERS

Double Flaring Tool & Pipe Cutting Set

Flaring tool for 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" steel, aluminium and copper pipes. Cutter for 1/8" to 1 1/4" outside diameter pipe. Robust moulded case.



Capacity	Weight each	Order Code KEN-588
3/16" - 5/8"	1.5kg	-9570K

Double Flaring Tool Set

Manufactured to double flare soft steel, aluminium and copper tubing up to .040" wall thickness producing **SAE** 45° flares. Heat treated alloy steel swivel is precision ground and chromed to reduce friction. Heat treated drop forged yoke. Each adaptor is clearly stamped with the size for easy identification. Bright lustre plate finish with contrasting black oxide. Will also produce a single flare.

Sizes: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", and 5/8".



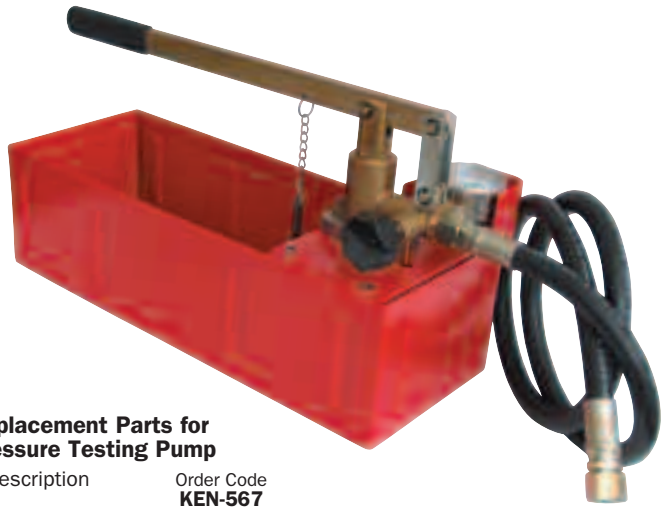
Capacity	Weight each	Order Code KEN-588
3/16" - 5/8"	1.03kg	-9550K

Pressure Testing Pump - 860psi

HEAVY DUTY

10 LTR

This robust piece of equipment has a 10ltr powder coated tank and comes with a 1.5m 1/2" reinforced hose and a pressure gauge graduated in Bar and PSI.



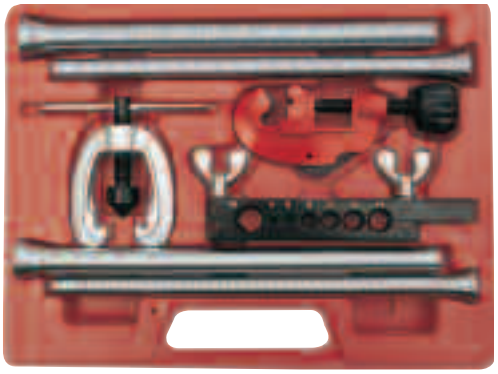
Replacement Parts for Pressure Testing Pump

Description	Order Code KEN-567
Gauge 60 Bar	-9000K
Hose 60 Bar	-9020K
Seal Kit 60 Bar	-9040K

Product Number	Tank Cap.	Test Bar	Capacity Psi	Hose Con	Weight each	Order Code KEN-588
zPTP060	10ltr	60	860	1/2 BSP	9kg	-8700K

Tube Cutting & Bending Set

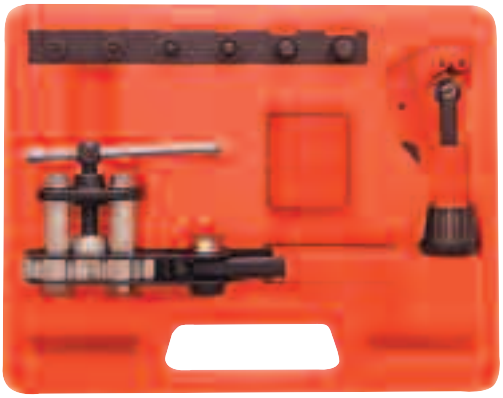
Contains flaring press, 45° spreader, 30mm capacity tube cutter, tube springs 14, 18, 16 and 20mm dia. Robust moulded case.



Capacity	Weight each	Order Code KEN-588
3/16" - 5/8"	2.3kg	-9600K

Folding Double Flaring Tool Set

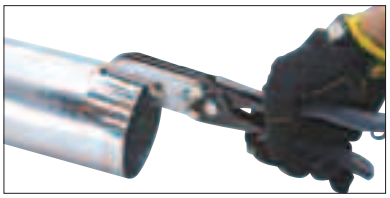
Suitable for use on copper pipe. Compact folding design. Robust moulded case. Single 45° flares: 3/16" to 5/8". Double flares: 3/16" to 1/2". Cutter: 1/8" to 1 1/4". Deburrer: 1/8" to 1 1/8" internal and external.

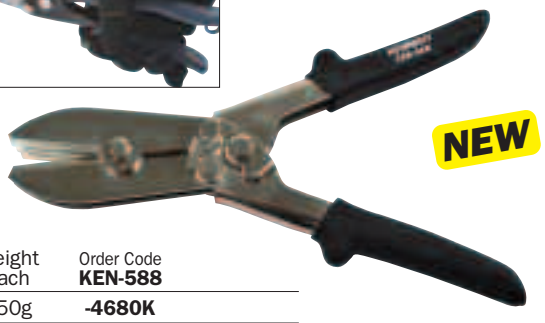


Capacity	Weight each	Order Code KEN-588
3/16" - 5/8"	2.5kg	-9620K

5-Blade Pipe Crimper

With compound action and self-opening jaws, this 5-blade pipe crimper provides accurate indentations in round duct and stove pipe. It has soft grip handles for comfort and rust resistant blades.





NEW

Overall Length	Weight each	Order Code KEN-588
250mm	550g	-4680K

All-in-1 Swaging Punch

Designed to make a tube connection without a fitting, this all-in-one swaging punch gives you one solder to join, reducing solder time by half. It has a nickel-chrome finish and is heat treated for durability.

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8"



Sizes	Order Code KEN-588
As above	-9840K

NEW

HAND TOOLS

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KENNEDY Drop Head Threader

Strong-arm ratchet threading set complete with ½", ¾" and 1" quick change dies. Manufactured to the highest quality with comfortable 2-part handle to give greater leverage. Complete with tough moulded carry case.





Capacity	Weight each	Order Code KEN-588
½" - 1"	4.5kg	**-8800K**

Accessories

Description	Weight each	Order Code KEN-588
Head ½" BSPT	660g	**-8820K**
¾" BSPT	584g	**-8830K**
1" BSPT	839g	**-8840K**
Die ½" BSPT	69g	**-8920K**
¾" BSPT	72g	**-8930K**
1" BSPT	132g	**-8940K**
Ratchet	1.5kg	**-8980K**

Pipe Vices

Used for repetitive tasks on pipework. The frame of the pipe vice is made from cast iron with jaws made from hardened tool grade alloy steel with a corrosion resistant coating. The top jaw of the pipe vice is held in position with a hook which automatically engages when the vice is closed. The stand is fitted with an integral tool tray, wide angled legs give greater stability and the folding design provides easy storage and transportation.







Pipe Vice Only

Product Number	Capacity (mm)	Weight each	Order Code KEN-588
VP055	8-55	4.50kg	**-8020K**
VP085	10-85	6.70kg	**-8040K**
VP100	15-100	10.3kg	**-8060K**

Pipe Vice & Stand

Product Number	Capacity (mm)	Weight each	Order Code KEN-588
VPS055	8-55	24.6kg	**-8220K**
VPS085	10-85	31.6kg	**-8240K**

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KENNEDY Pipe Wrenches

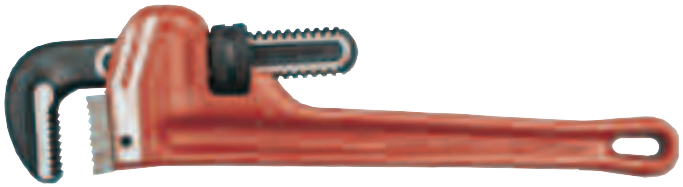
Jaws are serrated in the opposite direction to ensure a secure grip. Used mainly in the plumbing industry for gripping pipes and nuts. Cast iron frame, drop forged handles and jaws. All moving parts are heat treated. Used mainly in the plumbing industry for gripping pipes and nuts. Conform with **BS 3594 : Part 1**.

Standard Duty - For most general purpose applications.



Length (mm)	Capacity (mm)	Weight per 6	Order Code KEN-588
205 (8”)	27	1.70kg	**-2080K**
255 (10”)	35	3.30kg	**-2100K**
305 (12”)	43	4.40kg	**-2120K**
355 (14”)	50	6.50kg	**-2140K**
455 (18”)	60	10.10kg	**-2180K**
600 (24”)	76	24.00kg	**-2240K**
900 (36”)	102	29.20kg	**-2360K**

Heavy Duty - For more industrial applications.



Length (mm)	Capacity (mm)	Weight per 6	Order Code KEN-588
205 (8”)	27	2.60kg	**-3080K**
255 (10”)	35	5.00kg	**-3100K**
305 (12”)	43	7.50kg	**-3120K**
355 (14”)	50	10.00kg	**-3140K**
455 (18”)	60	16.10kg	**-3180K**
600 (24”)	76	25.70kg	**-3240K**
900 (36”)	102	30.70kg	**-3360K**
1200 (48”)	140	94.80kg	**-3480K**

Aluminium Pipe Wrenches

Lightweight aluminium alloy handles. As robust as heavy duty cast iron wrenches.



Length (mm)	Capacity (mm)	Weight per 6	Order Code KEN-588
200 (8”)	27	1.65kg	**-3680K**
255 (10”)	35	3.20kg	**-3700K**
305 (12”)	43	4.70kg	**-3720K**
355 (14”)	50	6.25kg	**-3740K**
455 (18”)	60	9.90kg	**-3780K**
600 (24”)	80	11.20kg	**-3840K**
900 (36”)	102	14.00kg	**-3860K**
1200 (48”)	140	35.00kg	**-3880K**

SENATOR QUALITY TOOLING Heavy Duty Wrenches

Heavy duty pattern. Drop forged, single piece body.

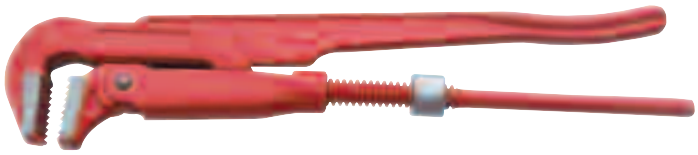


Length (mm)	Weight each	Order Code SEN-588
200 (8”)	0.40kg	**-5080K**
250 (10”)	0.67kg	**-5100K**
300 (12”)	1.00kg	**-5120K**
350 (14”)	1.30kg	**-5140K**
450 (18”)	2.00kg	**-5180K**
600 (24”)	3.50kg	**-5240K**
900 (36”)	5.90kg	**-5360K**
1200 (48”)	16.00kg	**-5480K**

Swedish Pattern Pipe Wrenches

Narrow design for confined areas, used for gripping pipe and nuts. Forged chrome vanadium heat treated steel. Knurled adjusting nut with guiding reinforcement on handle. Conform to **DIN 5234**.

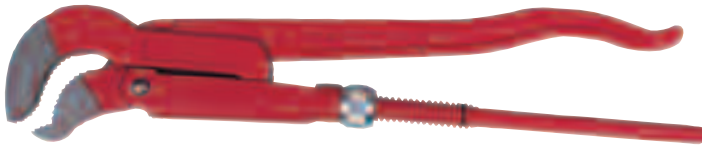
90° Type



Length (mm)	Max. Jaw Opening	Weight each	Order Code KEN-588
300 (12”)	38mm	0.76kg	**-4120K**
400 (16”)	46mm	1.40kg	**-4160K**
560 (22”)	65mm	2.50kg	**-4220K**

‘S’ Type

‘S’ shaped jaws grip at three points to ensure a maximum grip.



Length (mm)	Max. Jaw Opening	Weight each	Order Code KEN-588
225 (9”)	22mm	0.40kg	**-4290K**
300 (12”)	38mm	0.85kg	**-4320K**
405 (16”)	46mm	1.45kg	**-4360K**
530 (21”)	65mm	2.45kg	**-4410K**

Adjustable Pipe Wrenches

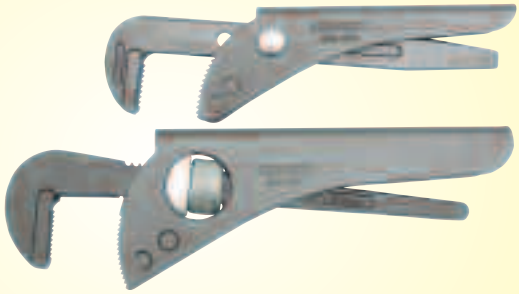
All-purpose wrenches with precision milled and hardened teeth which grips the workpiece tighter the more pressure is applied. Pressed steel handles with high carbon steel profiled jaws.

Jaw Adjustment:

(7”) 175mm:
1.5 - 38mm
(1/16” - 1 1/2”).

(9”) 225mm:
3.0 - 64mm
(1/8” - 2 1/2”).

(12”) 300mm:
6.0 - 75mm
(1/4” - 3”).

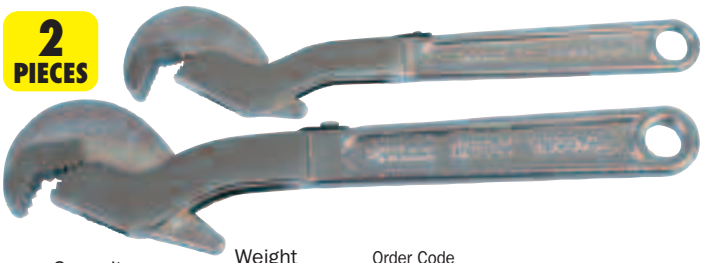


Thumb Adjustment	Length (mm)	Weight each	Order Code KEN-588
No	175 (7”)	300g	**-2710K**
	225 (9”)	600g	**-2720K**
	300 (12”)	1000g	**-2730K**
Yes	175 (7”)	300g	**-2760K**
	225 (9”)	600g	**-2770K**
	300 (12”)	1000g	**-2780K**

SENATOR QUALITY TOOLING Speed Wrench Set

Contains two multi-purpose self-adjusting wrenches 200mm (8”), maximum capacity 25mm and 300mm (12”), maximum capacity 35mm. Can be used on pipes, nuts and bolts and will also grip rounded nuts. Manufactured from fully chrome-plated drop forged steel.

2 PIECES



Capacity	Weight each	Order Code SEN-588
25mm & 35mm	925g	**-9010K**

HAND TOOLS

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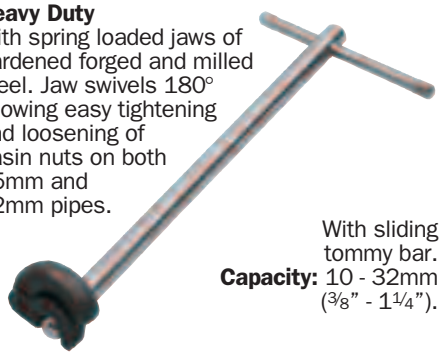
KENNEDY Self Adjusting Basin Wrenches

Heavy Duty
With spring loaded jaws of hardened forged and milled steel. Jaw swivels 180° allowing easy tightening and loosening of basin nuts on both 15mm and 22mm pipes.

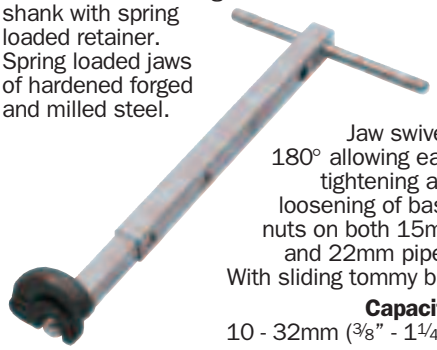


With sliding tommy bar.
Capacity: 10 - 32mm (⅜" - 1¼").

Overall Length	Weight each	Order Code KEN-588
265mm	520g	**-6020K**

Telescopic Type Basin Wrench

Box section extending shank with spring loaded retainer. Spring loaded jaws of hardened forged and milled steel.

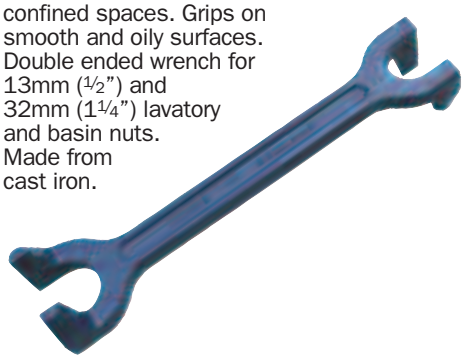


Jaw swivels 180° allowing easy tightening and loosening of basin nuts on both 15mm and 22mm pipes. With sliding tommy bar.
Capacity: 10 - 32mm (⅜" - 1¼").

Overall Length	Weight each	Order Code KEN-588
245mm	840g	**-6030K**

Back Spanner Basin Wrenches

For use in vertical or horizontal confined spaces. Grips on smooth and oily surfaces. Double ended wrench for 13mm (½") and 32mm (1¼") lavatory and basin nuts. Made from cast iron.



Overall Length	Weight each	Order Code KEN-588
350mm	590g	**-6000K**

Radiator Key

Square opening brass key for use on domestic radiator bleed screws with easy to turn clock key type handle for releasing air from water filled radiators.



Type	Weight each	Order Code KEN-588
Radiator Key	10g	**-6070K**

Multi Key - 4-Way

For gas, water and electric meter boxes, air conditioning units, stop valves, mains consoles etc., central heating pump cocks, some radiator valves and drain off valves.

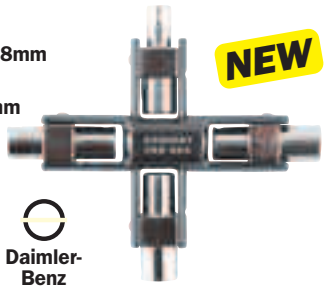


Type	Weight each	Order Code KEN-588
4-Way Key	75g	**-6060K**

9-in-1 Universal Key Wrench

Can be used on most technical locking systems in electrical engineering, supply of gas, water, air conditioning and ventilation systems.

5, 6, 7, 8mm
7, 8, 9mm



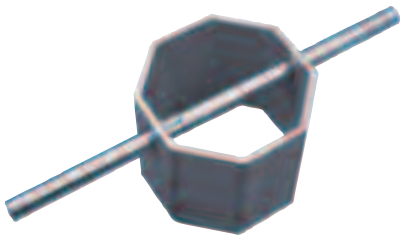
NEW

6mm **3-5mm** **Daimler-Benz**

Description	Order Code KEN-588	Offer
9-in-1 Key Wrench	**-4640K**	

Immersion Heater Box Spanner

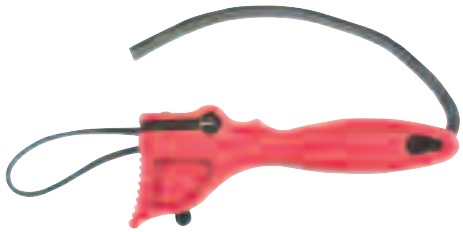
This heavy duty box spanner complete with tommy bar will reach recessed elements on most hot water tanks.



Capacity	Weight each	Order Code KEN-588
86mm	520g	**-6050K**

Adjustable Strap

Industrial strength rubber strap. Strap can be easily adjusted and used on irregular shapes.



Capacity (mm)	Weight each	Order Code KEN-588
15 to 150	600g	**-1500K**

Chain Pipe Wrenches

For gripping tubes, piping and irregular shaped objects. The chain is looped around the object and locked on the head. The head will automatically grip in the direction of the turn and the object can be rotated. The head is double ended and fully reversible for longer tool life. Manufactured from hardened and tempered carbon steel to US specification **GG-W-651.**

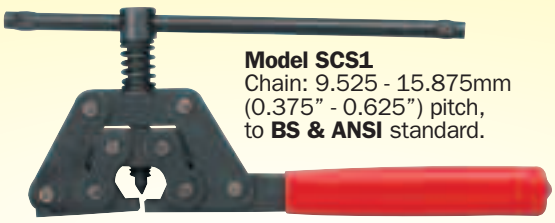


EXTENDED RANGE

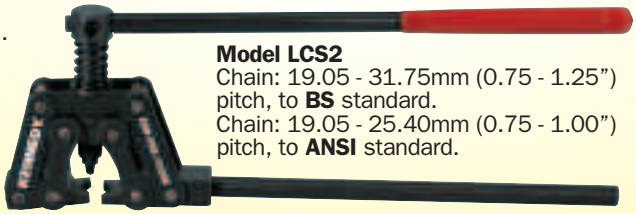
Diameter (mm)	Length (mm)	Order Code KEN-588
63 (2½")	525 (21")	**-4500K**
100 (4")	900 (36")	**-4560K**

Chain Separators

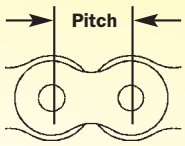
All steel construction, industry quality roller and bush chain separator. Designed for separating roller and bush chains that have end softened pins, to remove hardened pins the ends must first be removed by grinding. Simple to operate grip the chain in the self-closing jaws that also supports the chain to prevent twisting as the link pins are driven out. Then turn the T-handle to drive the pins out. Always ensure that the machine is switched off before disconnecting or connecting a chain.



Model SCS1
Chain: 9.525 - 15.875mm (0.375" - 0.625") pitch, to **BS & ANSI** standard.



Model LCS2
Chain: 19.05 - 31.75mm (0.75 - 1.25") pitch, to **BS** standard.
Chain: 19.05 - 25.40mm (0.75 - 1.00") pitch, to **ANSI** standard.



Roller Chain
Pin, roller and bush assembly.

Bush Chain
Identical to roller chain, but with the omission of the roller.

Product Number	Weight each	Order Code KEN-588
SCS1	445g	**-1010K**
LCS2	765g	**-1020K**

HAND TOOLS

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KENNEDY Drain Rods

Use for cleaning and unblocking drains, pipes and sewers. A range of accessories are also available including drop scrapers, double worm screws and plungers. Manufactured from polypropylene fitted with solid brass joints securely fitted with brass rivets. Rods are strong, durable and rigid with the right amount of drain rod flexibility.

Available with two different types of joint:

Universal: rods fitted with this type of joint should only be rotated in a clockwise direction.



Lockfast: rods fitted with this type of joint can be rotated in either direction and will remain secure in the most demanding conditions.





Type	Weight each	Order Code KEN-588
Universal	190g	**-7240K**

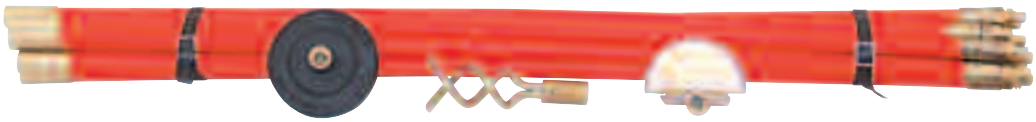
Type	Weight each	Order Code KEN-588
Lockfast	245g	**-7250K**

Drain Rod Sets

Use for cleaning and unblocking drains, pipes and sewers. Manufactured from polypropylene fitted with solid brass joints securely fitted with brass rivets. Rods are strong, durable and rigid with the right amount of drain rod flexibility.

13 PIECES

Contents:
10x 20 x 900mm rods,
1x 100mm double worm screw,
1x 100mm plunger,
1x 100mm drop scraper,
Also supplied with two rod ties.

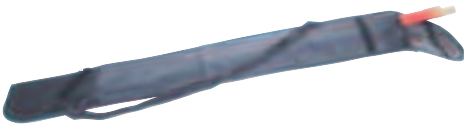


Type	Weight each	Order Code KEN-588
Universal	2.37kg	**-7200K**

Type	Weight each	Order Code KEN-588
Lockfast	2.60kg	**-7210K**

Drain Rod Bag

Used for carrying up to 10x 36" rods.



Capacity	Weight each	Order Code KEN-588
10 Rods	160g	**-7280K**

Drain Testing Dye

Used to locate the direction of water flow in pipes, drains etc. soluble in water. 200g jars.



Colour	Weight each	Order Code KEN-588
Green	200g	**-7700K**
Red	200g	**-7710K**
Blue	200g	**-7720K**

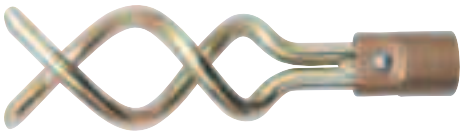
Accessories

Available with two different type of joints:

Universal: rods fitted with this type of joint should only be rotated in a clockwise direction.

Lockfast: rods fitted with this type of joint can be rotated in either direction and will remain secure in the most demanding conditions.

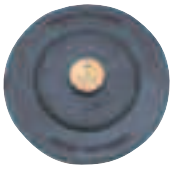
Double Worm Screw
Pierces blockages such as paper or rags and the obstruction is drawn back to clear the pipe.



Size	Type	Order Code KEN-588
100mm (4")	Universal	**-7340K**
100mm (4")	Lockfast	**-7350K**

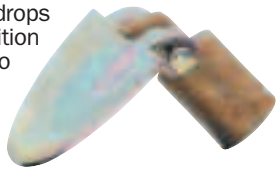
Accessories Continued

Rubber Plunger
Builds up pressure of water to force obstruction clear. One piece rubber.



Size	Type	Order Code KEN-588
100mm (4")	Universal	**-7300K**
100mm (4")	Lockfast	**-7310K**
150mm (6")	Universal	**-7420K**
150mm (6")	Lockfast	**-7430K**

Drop Scraper
Glides over small obstructions and drops into a vertical position to allow material to be dragged back.



Size	Type	Order Code KEN-588
100mm (4")	Universal	**-7380K**
100mm (4")	Lockfast	**-7390K**
150mm (6")	Universal	**-7460K**
150mm (6")	Lockfast	**-7470K**

Pipe Unblocker

This pipe unblocker is easy to use and comes with a corrosion-resistant body. Its 4.6m coil length makes it ideal for unblocking domestic waste/drain pipes.



Description	Order Code KEN-588
Pipe Cleaner 4.6m	**-6700K**

Drain Test Bungs

Used to pressure test or temporarily seal the end of an open pipe which is newly laid or decommissioned, preventing the ingress of water, gases, rodents.



Pipe Size Metric	Pipe Size Inch	Capacity Min/Max Operating Range	BSP Outlet	Order Code KEN-588
100	4"	94-110mm	½"	**-7500K**
150	6"	146-163mm	½"	**-7510K**
200	8"	191-211mm	1"	**-7520K**
225	9"	216-235mm	1"	**-7530K**
300	12"	296-314mm	1"	**-7540K**

HAND TOOLS

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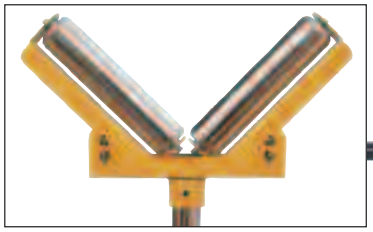
Heavy Duty Adjustable Twin Roller Stand

Ideal for supporting long and heavy duty pipe and timber.
Adjustable feet. Lock-knob to securely lock-in height settings.
Cast iron base with levelling pads for stability.
Adjustable height 29" (736mm) to 43" (1092mm),
1⅜" (35mm) diameter x 6" (150mm) width with spring-loaded axle.
Adjustable roller stands with double rollers forming vee groove for added stability allowing easy rotation and feed of up to 7" (180mm) diameter pipe or timber.





Type	Weight each	Order Code KEN-588
Adjustable Twin	6.20kg	-9030K

Heavy Duty Self-Levelling Single Roller Stand

HRS020
Heavy duty all-steel welded construction. Unique levelling pads for uneven floors.
Adequately supports up to 100kg.
Legs fold flat for easy storage and transportation. Pre-assembled and ready to use.
Height adjustment from 758 to 1197mm.
Bearing roller: 51mm x 284mm.

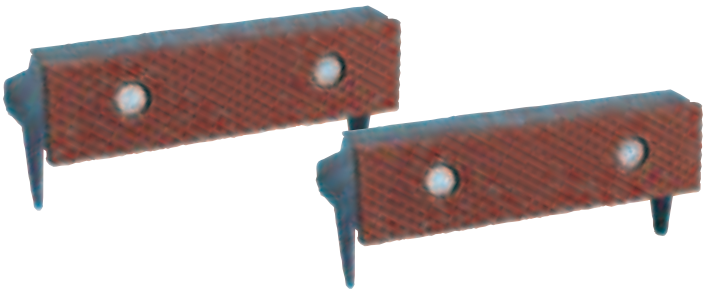




Type	Weight each	Order Code KEN-588
Self-Levelling	8.00kg	-9020K

Fibre Grips

Fibre-faced aluminium vice jaws for use with copper, aluminium, brass and wooden workpieces to prevent marking of work surface. Supplied in pairs.

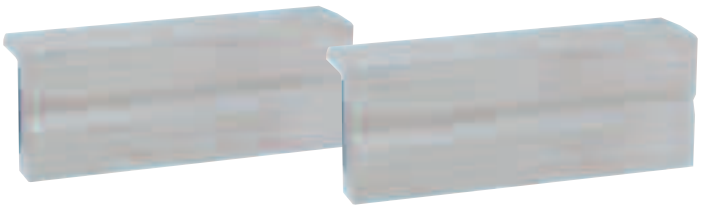


Width (mm)	Weight each	Order Code KEN-589
76 (3")	165g	-0300K
90 (3½")	180g	-0350K
100 (4")	180g	-0400K
110 (4½")	230g	-0420K
115 (4½")	245g	-0450K
127 (5")	245g	-0500K
133 (5¼")	260g	-0520K
150 (6")	280g	-0600K

Magnetic Vice Jaws

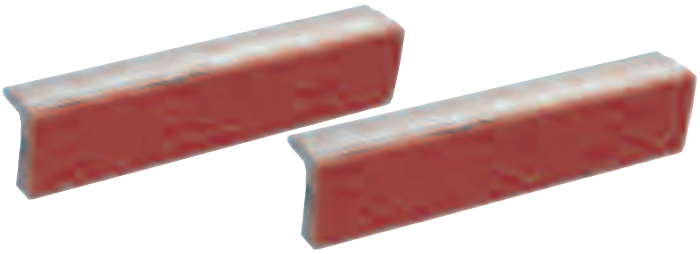
Suitable for all steel and iron vices - engineers, fitters, machine.
Quick and easy to fit and remove.

Profiled Aluminium



Width (mm)	Weight each	Order Code KEN-589
75 (3")	125g	-1300K
100 (4")	165g	-1400K
125 (5")	210g	-1500K
150 (6")	250g	-1600K

Aluminium Jaw with a Fibre Face



Width (mm)	Weight each	Order Code KEN-589
75 (3")	115g	-2300K
100 (4")	160g	-2400K
125 (5")	195g	-2500K
150 (6")	235g	-2600K

Aluminium Jaw with a Rubber Face



Width (mm)	Weight each	Order Code KEN-589
75 (3")	120g	-3300K
100 (4")	160g	-3400K
125 (5")	210g	-3500K
150 (6")	250g	-3600K

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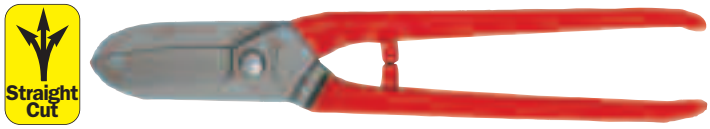
KENNEDY General-Purpose Tinsnips

Manufactured from drop forged carbon steel with hardened and precision ground blades which can be re-sharpened.

Standard Type
A traditional design, suitable for the general-purpose cutting of sheet metal in a wide range of materials such as copper, aluminium and mild steel.

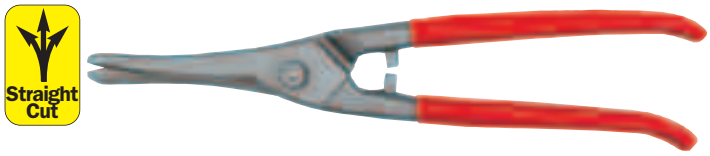


Length (mm)	Weight per 6	Order Code KEN-591
200 (8”)	1.90kg	**-1080K**
250 (10”)	2.90kg	**-1100K**
300 (12”)	4.00kg	**-1120K**
360 (14”)	5.10kg	**-1140K**

Heavy Duty Right Hand Universal Snips

The cranked design allows for extra leverage to be safely applied. Ideal for the more demanding cutting application.
PVC dipped handle.

Straight Blade
Universal cutting.

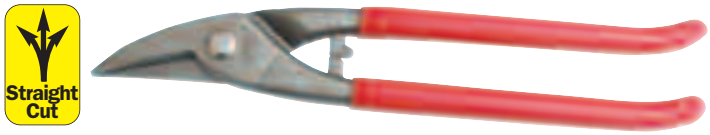


Length (mm)	Weight per 6	Order Code KEN-591
250 (10”)	3.95kg	**-1950K**

Cranked Blade Heavy-Duty Snips

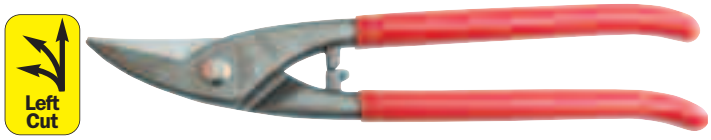
The cranked design allows for extra leverage to be safely applied. Ideal for the more demanding cutting application. PVC dipped handle.

Right Hand
Designed to cut straight or to the right, leaving waste material to the left of the blade.



Length (mm)	Weight per 6	Order Code KEN-591
280 (11”)	3.40kg	**-1690K**
360 (14”)	5.60kg	**-1700K**

Left Hand
Designed to cut straight or to the left leaving waste material to the right of the blade.



Length (mm)	Weight per 6	Order Code KEN-591
280 (11”)	3.40kg	**-1670K**

SENATOR QUALITY TOOLING General Purpose Straight Blade Tinsnips

A traditional drop forged carbon steel design with induction hardened and ground blades. Suitable for the general purpose cutting of sheet metal in a wide range of materials such as copper, aluminum and mild steel.



Length (mm)	Weight each	Order Code SEN-591
250 (10”)	330g	**-1100K**

Jeweller’s Snips

Short bladed tinsnip giving precise control on intricate workpieces, ideal for jewellers, silversmiths and model makers.

Straight Cutting



Curved Cutting

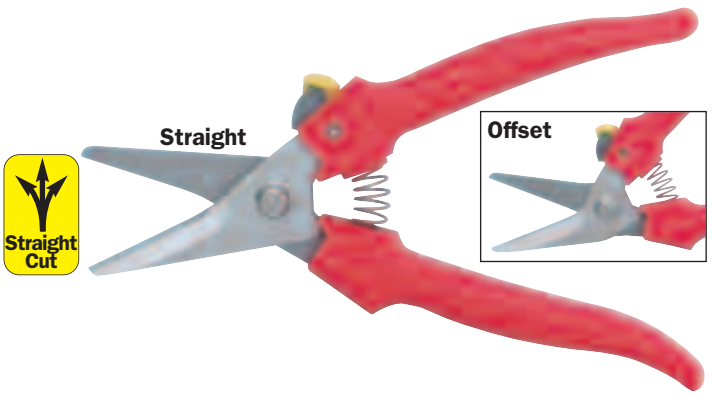


Type	Length (mm)	Weight per 6	Order Code KEN-591
Straight	180 (7”)	1.30kg	**-1550K**
Curved	180 (7”)	1.30kg	**-1560K**

Multi-Purpose Cutters

For cutting cardboard, leather, rope, cord, wire, paper and many other materials. Precision ground and hardened stainless steel blades HRC 50~54 with one serrated cutting edge to reduce slipping. Lightweight polypropylene handles with spring-loaded action with an easy reach thumb catch convenient for right and left hand users.

Cutting length: 42mm (1⅝”).



Type	Length (mm)	Weight each	Order Code KEN-591
Straight	190 (7½”)	180g	**-2340K**
Offset	185 (7¼”)	150g	**-3100K**

HAND TOOLS

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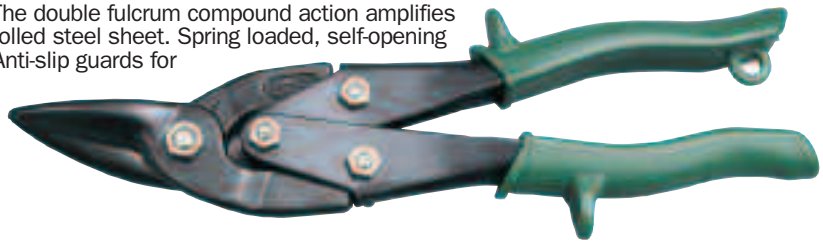
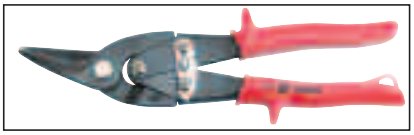
KENNEDY Compound Action Aviation Snips

Drop forged chrome vanadium ground blades (54 - 58HRc). The double fulcrum compound action amplifies the pressure applied for easier cutting of up to 1.2mm cold rolled steel sheet. Spring loaded, self-opening action for fast, effortless feed and single-handed operation. Anti-slip guards for extra safety. Thumb lock ensures the jaws stay closed when not in use. For use on mild steel and other non-ferrous materials.



Left Hand or Right Hand Cut
Cut from tight curve to straight.



Type	Length (mm)	Weight per 6	Order Code KEN-591
Right Hand	270 (10½")	2.40kg	-2170K
Left Hand	270 (10½")	2.40kg	-2160K

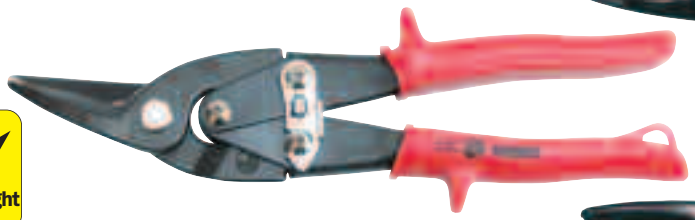
Straight Cut
Cuts straight, left or right. Self-opening action for fast, effortless feed, with a built-in convenient, protective safety latch.



Length (mm)	Weight per 6	Order Code KEN-591
270 (10½")	2.50kg	-2180K

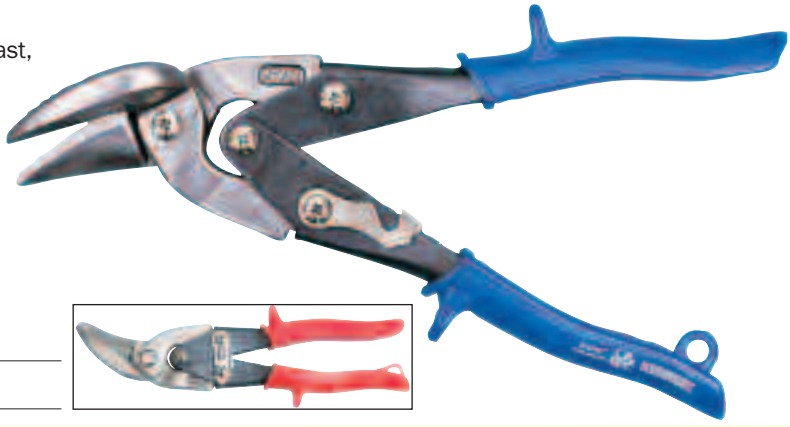
3 Piece Set Contents:
1x pair 250mm (10") right hand aviation snips 591-217,
1x pair 250mm (10") left hand aviation snips 591-216,
1x pair 250mm (10") straight aviation snips 591-218.





Number of Pieces	Weight each	Order Code KEN-591
3	1.22kg	-2240K

Offset Cut (Heavy Duty)
The offset blades keep hands clear of metal. Spring-action for fast, effortless feed. Non-slip, textured grips and safety latch for superior control and a handy hang-up hole.

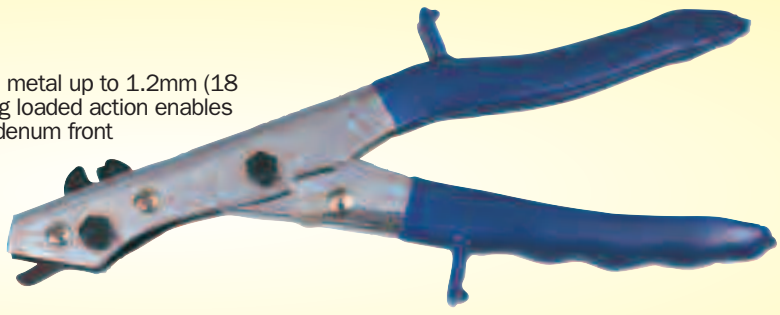


Type	Length (mm)	Weight per 6	Order Code KEN-591
Right Hand	250 (9¾")	2.40kg	-2150K
Left Hand	250 (9¾")	2.40kg	-2140K

SENATOR QUALITY TOOLING Sheet Metal Nibbler

For cutting sheet materials without bending or distorting, metal up to 1.2mm (18 gauge) and plastic up to 2mm (14 gauge). Positive spring loaded action enables the cutter to be used single-handed. Replaceable molybdenum front blade. Side jaws for wire cutting. Safety jaw lock.

Overall length: 250mm.



Length (mm)	Weight each	Order Code SEN-591
250 (10")	505g	-8090K
Replacement Blade	25g	-8095K

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KENNEDY Low Tensile Bolt Cutters - Centre Cut

Drop forged hardened carbon steel suitable for round and flat sections. With adjustable arms. With cushion grips. 300mm model has cast handles - all other sizes have tubular handles for maximum strength combined with low weight. Conform to **JIS B4643**.



Centre Cut

Cut Type	Overall Length (mm)	Cutting Capacity 15°HRC	Cutting Capacity 40°HRC	Weight each	Order Code KEN-592
Centre	300 (12”)	5mm	4mm	0.80kg	**-3520K**
	350 (14”)	7mm	5mm	1.00kg	**-3540K**
	460 (18”)	8mm	6mm	1.60kg	**-3560K**
	600 (24”)	10mm	8mm	2.60kg	**-3580K**
	760 (30”)	13mm	10mm	3.90kg	**-3600K**
	900 (36”)	14mm	12mm	5.40kg	**-3620K**

High Tensile Bolt Cutters

Drop forged hardened chrome vanadium steel. Ideal for cutting both flat and round section steels. Hardened carbon steel jaws. Tubular steel handles with cushion grip for maximum operator comfort. Conform to **DIN 2076**.



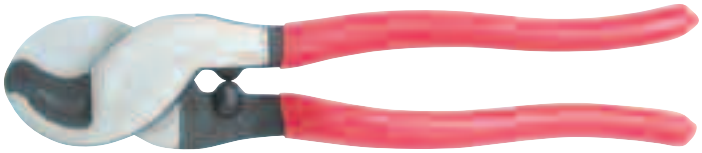
Centre Cut

Cut Type	Overall Length (mm)	Cutting Capacity 15°HRC	Cutting Capacity 48°HRC	Weight each	Order Code KEN-592
Centre	300 (12”)	13mm	8mm	4.00kg	**-4200K**
	350 (14”)	14mm	9mm	5.20kg	**-4220K**
	1070 (42”)	15mm	10mm	8.30kg	**-2420K**

Heavy Duty Cable Cutters

For use when cutting aluminium and copper cable, using a slicing action. Manufactured from forged steel with PVC dipped handles.

Capacity: 60mm².

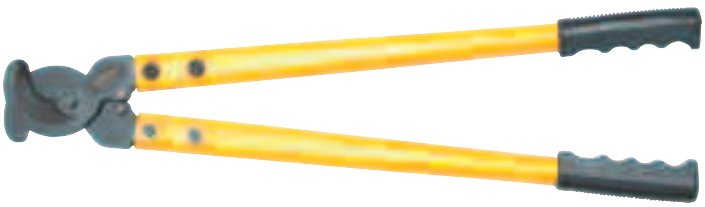


Length (mm)	Weight each	Order Code KEN-558
250 (10”)	516g	**-8220K**

Lever-Type Cable Cutter

These cable cutters have heat treated cutting edges and are designed to cut copper/ aluminium cables with minimal distortion. The soft grip handles are designed for user comfort whilst exerting force.





Cutting Capacity	Length (mm)	Weight each	Order Code KEN-558
18mm	380 (15”)	3.4kg	**-9400K**
25mm	550 (22”)	3.4kg	**-9410K**
40mm	820 (32”)	3.4kg	**-9420K**

Replacement Jaws

Centre Cut Jaws

To efficiently cut high tensile materials by directing the force being applied into a small area. For use on non-ferrous rods and bars, mild steel bolts etc.



To Suit (mm)	Weight each	Order Code KEN-567
To Suit Low Tensile Cutters		
300 (12”)	260g	**-2920K**
360 (14”)	380g	**-2940K**
460 (18”)	590g	**-2960K**
600 (24”)	850g	**-2980K**
760 (30”)	1100g	**-2990K**
900 (36”)	2300g	**-3000K**

Mini Bolt Cutters

Mini Cutters - Clipper Cut

Manufactured from forged hardened steel, with spring return, allowing single-handed use. Compound action magnifies the pressure applied to the handle. Ensures a concentration of force between the jaws. Non-slip moulded plastic grip. Available with straight and bent jaws. For low tensile materials.

Overall length: 200mm (8”).

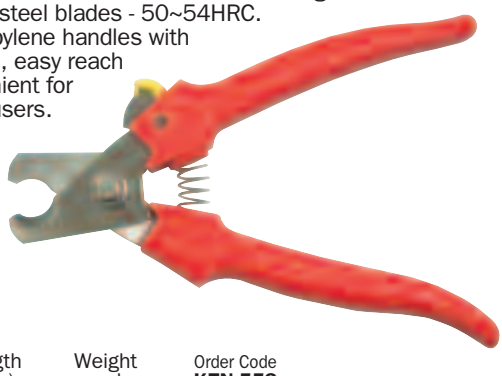


Jaw Type	Cutting Capacity 735N/mm² (45 tons/in²)	Order Code KEN-592
Straight	3mm (⅛”)	**-0080K**
Bent	3mm (⅛”)	**-0090K**

Light Duty Cable Cutters

For cutting copper cable, plastic pipe, wooden dowels, rope cord and similar materials up to 10mm di5 meter. Precision ground and hardened stainless steel blades - 50~54HRC. Lightweight polypropylene handles with spring-loaded action, easy reach thumb catch convenient for right and left hand users.

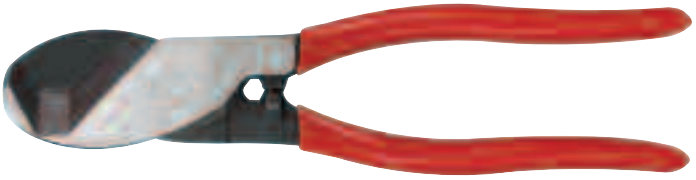
Overall length: 165mm (6½”).
Cutting capacity: 10mm (⅜”).



Cutting Capacity	Length (mm)	Weight each	Order Code KEN-558
10mm	165 (6½”)	130g	**-5640K**

Cable Cutters

Drop forged from high carbon micro alloyed steel induction hardened blades. Tough double tempered handles. For cutting copper cable up to 10mm diameter.



Length (mm)	Weight each	Order Code KEN-558
200 (8”)	425g	**-5680K**

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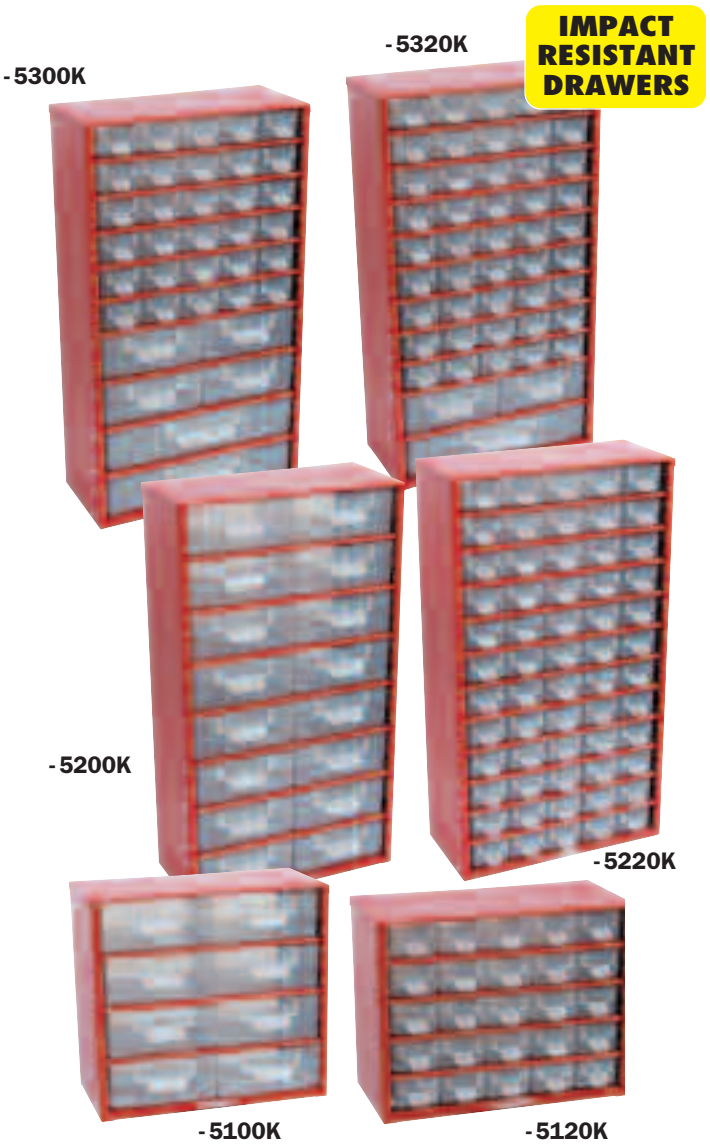
KENNEDY Small Parts Storage Cabinets

Manufactured from heavy gauge steel, painted finish with impact resistant transparent polypropylene drawers, allowing contents to be viewed when the drawer is closed. The lip on the rear of the drawer allows it to be opened fully without falling out. The cabinets can be stacked or mounted to the wall to maximise use of storage space.



Product Number	Cabinet/ Drawers	Height (mm)	Width (mm)	Depth (mm)	Weight each	Order Code KEN-593
SCS008	Cabinet size 8 Drawers @	282 59	306 140	155 140	1.50kg	**-5100K**
SCS025	Cabinet size 25 Drawers @	238 36.5	306 54	155 140	2.00kg	**-5120K**
SCM016	Cabinet size 16 Drawers @	551 59	306 140	155 140	2.80kg	**-5200K**
SCS060	Cabinet size 60 Drawers @	551 36.5	306 54	155 140	4.50kg	**-5220K**
SCC036	Cabinet size 30 Drawers @ 4 Drawers @ 2 Drawers @	551 36.5 59 59	306 54 140 280	155 140 140 140	4.50kg	**-5300K**
SCC048	Cabinet size 45 Drawers @ 2 Drawers @ 1 Drawers @	551 36.5 59 59	306 54 140 280	155 140 140 140	4.20kg	**-5320K**

Drawers to Suit

Drawer Size	Height (mm)	Width (mm)	Depth (mm)	Weight each	Order Code KEN-593
Small	36.5	54	140	24g	**-9600K**
Medium	59	140	140	65g	**-9620K**
Large	59	280	140	154g	**-9640K**

Dividers to Suit

Drawer Size	Weight each	Order Code KEN-593
Small 50 x 29mm	19g	**-9700K**
Medium/Large 50 x 133mm	85g	**-9720K**

SENATOR QUALITY TOOLING Small Parts Storage Cabinets

Manufactured from heavy gauge steel, painted finish with transparent plastic drawers, allows contents to be viewed when the drawer is closed. The lip on the rear of the drawer allows it to be opened fully without falling out. The cabinets can be stacked or mounted to the wall to maximise use of storage space.



Product Number	Cabinet/ Drawers	Height (mm)	Width (mm)	Depth (mm)	Weight each	Order Code SEN-593
SCM008	Cabinet size 8 Drawers @	282 59	306 140	155 140	1.50kg	**-5100K**
SCS025	Cabinet size 25 Drawers @	238 36.5	306 54	155 140	2.00kg	**-5120K**
SCM016	Cabinet size 16 Drawers @	551 59	306 140	155 140	2.80kg	**-5200K**
SCS060	Cabinet size 60 Drawers @	551 36.5	306 54	155 140	4.50kg	**-5220K**
SCC036	Cabinet size 30 Drawers @ 4 Drawers @ 2 Drawers @	551 36.5 59 59	306 54 140 280	155 140 140 140	4.50kg	**-5300K**
SCC048	Cabinet size 45 Drawers @ 2 Drawers @ 1 Drawers @	551 36.5 59 59	306 54 140 280	155 140 140 140	4.20kg	**-5320K**

Drawers to Suit

Drawer Size	Height (mm)	Width (mm)	Depth (mm)	Weight each	Order Code SEN-593
Small	36.5	54	140	13g	**-9600K**
Medium	59	140	140	80g	**-9620K**
Large	59	280	140	192g	**-9640K**

Dividers to Suit

Drawer Size	Weight each	Order Code SEN-593
Small 50 x 29mm	21g	**-9700K**
Medium/Large 50 x 133mm	104g	**-9720K**

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KENNEDY Nail Pouches - Leather

Leather, two pockets and one loop.
Double stitched seams with riveted corners for extra strength.
Webbed nylon belt.





Size (mm)	Weight each	Order Code KEN-593
370 x 220	290g	-3240K

Leather, two pockets, one loop, deep pocket. Double stitched seams with riveted corners for extra strength.



Size (mm)	Weight each	Order Code KEN-593
360 x 250	370g	-3340K

Leather Belts - Heavy Duty

Heavy duty natural split leather with heavy buckle and retaining loop.



Size (mm)	Weight each	Order Code KEN-593
1170 x 50	260g	-3000K
1170 x 40	210g	-3020K

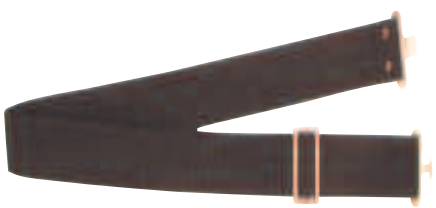
Heavy duty oil tan belt with brass buckle and rivets for use with Kennedy tool pouches.



Size (mm)	Weight each	Order Code KEN-593
1170 x 50	309g	-3080K

Polyester & Nylon Belts

Adjustable webbing. Riveted for added strength and support.



Colour	Size (mm)	Weight each	Order Code KEN-593
Black	1200 x 50	120g	-3060K

Combination Pouches

Leather, made with one pocket, two loops and nail pouch. Belt not included.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
280 x 270	310g	-3600K

Leather, made with five pockets and one loop. Belt not included.





Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
250 x 280	360g	-3460K

Manufactured from leather with a fully riveted double stitched construction.
Chrome leather, five pockets and one loop.
Belt not included.



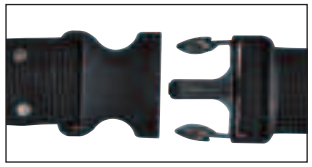
Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
210 x 250	340g	-3450K

Leather, made with five pockets, two loops, webbing belt and tape holder.







Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
220 x 210	300g	-3470K

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KENNEDY PROFESSIONAL Nail Bag - Nylon

Heavy duty polyester allows exceptional resistance to punctures or tears. Heavily stitched webbing belt complete with heavy duty double capped riveted clasp for added strength and support.



Size (mm)	Weight each	Order Code KEN-593
525 x 290	0.31kg	-3540K

Combination Tool Pouch

Double Nail Bag & Combination Tool Pouch

Heavy duty polyester allows exceptional resistance to punctures or tears. Heavily stitched webbing on belt loop and edges, and double capped riveted for added strength and support.



Size (mm)	Order Code KEN-593
270 x 200 x 50 (x2) 130 x 120 x 80 (x2) 140 x 100 x 50 (x1)	-3400K

KENNEDY QUALITY INDUSTRIAL TOOLING Double Tool Pouch

10 Pocket 2 Loop Double Tool Pouch - Oil Tan

Manufactured from butt split leather. Fully riveted construction. 10 pockets with T-bar chain and spring clips. Belt supplied separately.



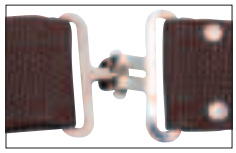
Size (mm)	Weight each	Order Code KEN-593
280 x 300	1.2kg	-3260K

KENNEDY QUALITY INDUSTRIAL TOOLING Combination Tool Pouches

Leather, made with ten pockets, two loops, webbing belt and tape holder.







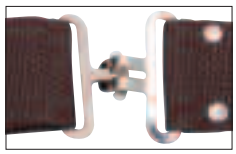
Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
550 x 220	330g	-3500K

Leather, made with eight deep pockets, two nail pouches, two loops, webbing belt and tape holder.







Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
550 x 220	670g	-3510K

Tool Pouches

Manufactured from leather. Fully riveted double titched construction. Chrome leather, two pockets and five loops. Belt not included.





Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
290 x 200	300g	-3640K

Electrician's Tool Pouch

Manufactured from natural split leather, four pockets, seven tool loops, T-bar and chain, spring clip, tape pocket. Fully riveted construction. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
200 x 260	410g	-3770K

Tool Pouch - Large

4 Pocket 2 Loop Tool Pouch - Oil Tan

Large tool pouch with four pockets and two tool loops. Fully brass riveted construction. Manufactured from oil tanned leather.



Size (mm)	Weight each	Order Code KEN-593
300 x 230	965g	-3270K

Nail & Tool Pouch - Large

3 Pocket 2 Loop Nail & Tool Pouch - Oil Tan

Large nail and tool pouch with three pockets and two tool loops. Fully brass riveted construction. Manufactured from oil tanned leather.



Size (mm)	Weight each	Order Code KEN-593
300 x 230	695g	-3280K

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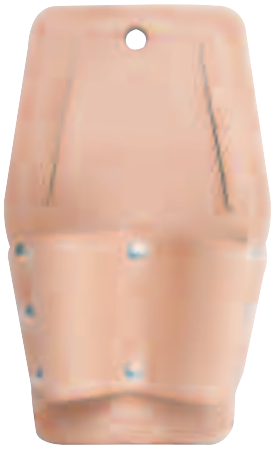
KENNEDY Spanner/Tool Holster

Manufactured from natural split leather. Two spanner, tan leather. Reinforced joints. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
170 x 110	90g	-3710K

Drill Holster

Manufactured from natural split leather, fitted with two additional tool loops and an adjustable drill safety strap, four slits for belt attachment, riveted construction. Tan leather with chuck key holder, adjustable retaining strap and one tool loop. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
300 x 200	250g	-3160K

Plier/Wrench Holster

Leather-made with a 100 x 45 x 30mm pocket fully stitched and riveted at corners - double riveted at base. Two slots for belt attachment. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
75 x 230	90g	-3740K

Plier/Wrench Holster

Manufactured from natural split leather. 90mm tapered pouch with a 40 x 25mm opening. Fully riveted construction. Two slots for belt attachment. Belt not included.

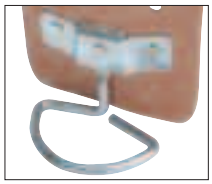




Size (mm)	Weight each	Order Code KEN-593
85 x 90	100g	-3800K

Hammer Holster

With pivoting metal hammer loop, riveted onto natural split leather, with two slits for belt attachment. Belt not included.







Size (mm)	Weight each	Order Code KEN-593
100 x 150	130g	-3100K

Carpenter's Full Bib Apron

100% cotton drill, with cotton neck loop and ties. Two single stitched pockets.





Size (mm)	Weight each	Order Code KEN-593
850 x 620	200g	-4010K

Trimming Knife Holster

Manufactured from natural split leather. 100mm tapered pocket with a 40 x 20mm opening. Fully riveted construction. Two slits for belt attachment. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
60 x 190	80g	-3750K

Hammer & Tool Holster

Manufactured from natural split leather with four medium and one large leather tool loops. Riveted metal tool clip with metal T-bar and chain. Six slits for attaching to belt. Fully riveted construction. Belt not included.





Size (mm)	Weight each	Order Code KEN-593
240 x 75	150g	-3140K

KENNEDY PROFESSIONAL Mobile Phone Case

Polyester

Heavy duty nylon with stitched webbing trim. Front flap opening secured with velcro with optional webbing belt loop or stainless steel double capped riveted clip. 600 denier durable fabric hook and loop secured front flap. Complete with belt loop and clip.



Size (mm)	Weight each	Order Code KEN-593
125 x 65 x 25	0.45g	-5010K

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KENNEDY PVC-Coated Fibre Board Tool Case

Waterproof, puncture resistant and rot proof PVC outer encasing rigid fibre board. Grained finish with 36 elasticated tool loops. Full zip around fastener. Black finish.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
315 x 30	350g	-0310K

PVC Double-Coated Nylon Multi-Tool Roll

Puncture resistant and rot proof PVC outer encasing heavy-duty nylon weave. 100% waterproof, easy to clean. With 12 flat, and two pleated pockets, one large end pouch divided into two with a press stud containing flap. Tools secured with flap cover. Leather tie with metal buckle.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
700 x 315	340g	-0520K

PVC Multi-Tool Rolls

Waterproof, puncture resistant and rot proof PVC outer with heavy-duty nylon weave providing a high strength, abrasion resistant inner lining. With 8 flat tool pockets, webbed ties. Tools secured with flap cover.

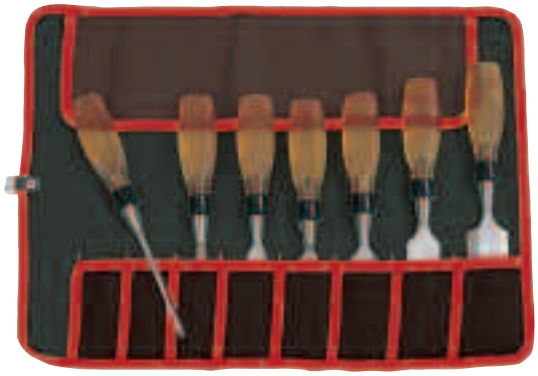


Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
390 x 330	190g	-0370K

Chisel Roll

Waterproof chisel roll with 8 flat pockets. PVC coated cotton, with securing leather strap and metal buckle fastening. Tools secured with flap cover.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
370 x 490		-0490K

Tear Resistant Tool Roll

Manufactured from heavy-duty tear resistant material with reinforced stitched edging. Two metal rings for hanging on to a wall when opened. 20 pockets, 18 elasticated tool loops are stitched on the inside. A velcro fastening secures the roll when shut.

Fitted with a riveted carry handle on the outside.





Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
600 x 540	502g	-0500K

PVC-Coated Rayon Tool Rolls

Waterproof, puncture-resistant and rot proof PVC outer with soft non-scratch rayon inner to protect tools.

Multi - With 14 pockets. Tools secured by flap cover with two webbed ties.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
650 x 270	270g	-0870K

Multi - With 12 pockets and two pouches. Tools secured by flap cover with two webbed ties.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
750 x 310	420g	-0880K

PVC-Coated Cotton Multi-Tool Rolls

Waterproof, puncture-resistant and rot proof PVC outer with medium duty, non-scratch cotton inner. With 15 pleated pockets, two webbed ties. Tools secured with flap cover.



Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
660 x 320	390g	-0440K

Bench Stone Holder

To suit stone size 200 x 50 x 25mm.



Weight each	Order Code KEN-593
120g	-7020K

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SENATOR QUALITY TOOLING Canvas Holdall

Manufactured from heavy duty water resistant canvas. Handles wrap underneath the bag for added strength, fitted with a heavy-duty zip.



Length (mm)	Weight each	Order Code SEN-593
460 (18”)	250g	-0560K
610 (24”)	335g	-0580K
760 (30”)	360g	-0600K

KENNEDY QUALITY INDUSTRIAL TOOLING Medium Weight Holdalls

Reinforced board base with four riveted plastic feet. Plastic zip fastening, webbing covered rope handles.



Length (mm)	Weight each	Order Code KEN-593
455 (18”)	390g	-0110K
610 (24”)	500g	-0120K

Jumbo Tool Bag

Heavy-duty double thickness canvas. Five internal pockets and a fibre board base with six rivetted metal feet. Webbing handles and straps with plastic buckles.



Length (mm)	Weight each	Order Code KEN-593
610 (24”)	1.50kg	-0060K

PVC Tool Bag

The PVC makes the tool bag puncture resistant, waterproof and rot resistant. PVC holdall riveted leather handle and straps with metal buckles, fibre board base and top.



Length (mm)	Weight each	Order Code KEN-593
300 (12”)	230g	-0100K

Heavy Duty PVC Nylon Coated Canvas Holdalls

Reinforced fibre board base with four riveted metal feet and zip fastening. Webbing covered rope handles and welded D-rings at either end.



Length (mm)	Weight each	Order Code KEN-593
455 (8”)	670g	-0180K
610 (24”)	810g	-0240K
760 (30”)	590g	-0300K

Canvas Holdall

Heavy-duty water resistant. Canvas covered rope handles, fully stitched, wrap underneath bag for extra support. Three webbed straps with metal buckles for closing, two of which fully wrap around the bag to give extra support.



Length (mm)	Weight each	Order Code KEN-593
760 (30”)	810g	-0080K

KENNEDY PROFESSIONAL Tool Bumbag with Shoulder Strap

Made of 600 dernier durable fabric with adjustable shoulder and waist straps. It has a large internal compartment with 7 internal and 1 external pockets. Heavy duty zip and padded handles.



Size L x D x H (mm)	Order Code KEN-593
320 x 120 x 160	-0990K

Barn-Type Holdalls

Manufactured from butt split leather with wrap around leather handles. Leather fastening straps with metal buckles. Fully rivetted construction. Reinforced on corners. Black finish.



Length (mm)	Weight each	Order Code KEN-593
400 (16”)	1.40kg	-0620K
535 (21”)	1.80kg	-0630K

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KENNEDY PROFESSIONAL Heavy Duty Tool Caddy

600 denier durable fabric. Adjustable shoulder strap. Locking telescopic handle. 26 internal pockets. 12 external pockets. Large internal compartment. Padded handles and strap. Heavy duty zip.





Size (H x W x D)	Weight each	Order Code KEN-593
370 x 480 x 260mm	2kg	-0960K

Heavy Duty Tool Bag

600 denier durable fabric. Adjustable shoulder strap. 13 external pockets. One large internal compartment. Main compartment can be divided into five pockets using removable divider. Heavy duty water-resistant base for extra strength. Padded handles and strap. Business-card holder and key strap. Heavy duty zip.





Tools Not Included

Size (H x W x D)	Weight each	Order Code KEN-593
280 x 340 x 200mm	1.8kg	-0980K

Tool Trolley Rucksack

For technicians on the go; it can be pulled behind on wheels **OR** used as a backpack **OR** hand held.

Features include:
Extractable rear straps transform tool trolley into a functional backpack. Two internal double-sided reversible pallets, one with pouches for tools and the other with a soft padded area for computer notebook. Two front pouches for documents, accessories, measuring tape, spares etc. Large wheels for a stable carry-on. Telescopic handle. Fold down wheel cover when being used as a rucksack.



Tools Not Included

Size L x D x H (mm)	Weight each	Order Code KEN-593
340 x 150 x 440	4.3kg	-2530K

Multi-Purpose Tool & Laptop Bag

Ideal for service engineers. Manufactured from a 600 denier fabric that is exceptionally durable and hard wearing. With large internal compartments (one padded for a laptop), pockets and elasticated tool holders it will help to ensure you have the right tool on site when you require it.

Features include:
Padded laptop holder.
Business card holder.
Adjustable shoulder strap.
Padded handles and strap.
Heavy duty zips and rubber feet.



Tools Not Included



- 3x large internal compartments.
- 15x internal pockets.
- 2x external pockets.
- 46x elasticated tool holders.

Size (H x W x D)	Weight each	Order Code KEN-593
335 x 530 x 190mm	1.5kg	-5050K

Heavy Duty-Tool Bag

600 denier durable fabric. Adjustable shoulder strap. 11 internal pockets. 17 external pockets. Large internal compartment. Padded handles and strap. Heavy duty zip.



Tools Not Included

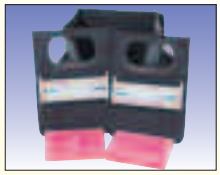


Size (H x W x D)	Weight each	Order Code KEN-593
250 x 470 x 270mm	1.3kg	-0940K

Electrician's Tool Bag

Manufactured from heavy duty tear resistant material with reinforced stitched edging. Velcro fastening flap with soft touch carry handle and double webbed shoulder strap fixed with metal release clasps. Supplied with two small organiser cases which are stored in two outer pockets, two removable tool boards (one velcro fastened) are kept inside which have a unique tool storage securing system built-in.







Size L x D x H (mm)	Order Code KEN-593
320 x 340 x 125	-0560K

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KENNEDY Heavy Duty Aluminium Case

High strength, impact resistant case. Reinforced edges and hinges. Rubber padded handle for comfort. Two fitted and hinged tool boards with elasticated tool retaining loops, two expandable document pockets and divided storage compartment. Double locking with two keys.



Size (mm)	Weight each	Order Code KEN-593
480 x 360 x 185	2.60kg	**-2650K**

Spares	Order Code KEN-567
Locks & Keys to suit	**-7605K**
'D' Shape Case Handle to suit	**-7610K**
Upper Tool Board to suit	**-7660K**
Lower Tool Board to suit	**-7662K**



Impact Resistant Plastic Case

High strength ribbed double-wall constructed case. Two fitted hinged tool boards with elasticated tool retaining loops, four repositionable dividers in the bottom compartment, expandable document pocket in the lid and two removable small parts trays. Double locking with two keys.



Size (mm)	Weight each	Order Code KEN-593
465 x 350 x 200	2.85kg	**-2500K**

Spares	Order Code KEN-567
Locks & Keys to suit	**-7602K**
'D' Shape Case Handle to suit	**-7601K**
Dividers to suit	**-7603K**
Tool Board to suit	**-7654K**



KENNEDY PROFESSIONAL Professional Service Case

Hard wearing cordura with nylon reinforced webbing handles. Two tool boards and unique repositionable tool retaining system, ceramic sheath for hot soldering irons and three press stud pockets. Zippable.



Size (mm)	Weight each	Order Code KEN-593
450 x 330 x 80	2.10kg	**-2850K**



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KENNEDY Aluminium Reinforced Case

Impact resistant case. Two removable tool boards with elasticated tool retaining loops, one with document pocket, divided storage compartment.
Double locking with two keys.





Size (mm)	Weight each	Order Code KEN-593
445 x 340 x 190	2.85kg	**-2550K**

Spares	Order Code KEN-567
'D' Shape Case Handle to suit	**-7604K**
Locks & Keys to suit	**-7605K**
Upper Tool Board to suit	**-7656K**
Lower Tool Board to suit	**-7658K**

Impact Resistant Service Case

Ribbed high strength plastic case with aluminium reinforced trim.
Two fitted and hinged tool boards with elasticated tool retaining loops.
Lockable with two keys.
Padded carry handle.





Size (mm)	Weight each	Order Code KEN-593
430 x 340 x 160	2.95kg	**-2450K**

Spares	Order Code KEN-567
Plastic Catch to suit	**-7606K**
Locks with Keys to suit	**-7609K**
'D' Shape Case Handle to suit	**-7612K**
Upper Tool Board to suit	**-7664K**
Lower Tool Board to suit	**-7666K**

Polypropylene Moulded Tool Case

The polypropylene moulded case material makes the case extremely resistant against chemical corrosion, shock, high and low temperature. The injection technique ensures constant material thickness, even in the corners. Large and thick aluminium trim, makes the case ideal for daily, heavy duty use. The case can accommodate up to three tool pallets.

Features include:
2x metal lid safety support stays.
2x metal locks with keys.
3x metal hinges for maximum strength.
Ergonomic handle, rubber coated grip.
Address label.





Size L x D x H (mm)	Weight each	Order Code KEN-593
430 x 340 x 156	5.5kg	**-2510K**

HAND TOOLS

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KENNEDY Heavy Duty Aluminium Tool Case

Manufactured from composite aluminium and rubber resin which is normally used in the automotive industry. Chromed steel hinges with lid support mechanism, two chromed steel locks with keys, a heavy duty plastic handle and four rubber feet. Inside are two secured hinged tool boards, each with 31 elasticated tool loops, an expandable document compartment, two small organisers and a customisable storage compartment with repositional dividers.





Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
466 x 340 x 190	5.5kg	-2740K

Spares	Order Code KEN-567
'D' Shape Case Handle to suit	-7601K
Locks with Keys to suit	-7607K
Upper/Lower Tool Board to suit	-7668K

Service Engineer's Flight Case

Manufactured from high impact double walled polyethylene shell, corrosion-resistant and aluminium reinforced. Full length heavy duty piano hinges and trim. Two expandable document pockets, two hinged and fitted tool boards with elasticated tool retaining loops. Shockproof, bottom storage tray with fixed compartments and four small component boxes. The two 38mm wide rubber wheels and retractable telescopic aluminium handle allows the case to be moved when fully loaded with the minimum of effort. Double locking with two keys. Strong enough to be used to transport tools when travelling by aircraft.





Tools Not Included

Size (mm)	Weight each	Order Code KEN-593
485 x 370 x 190	5.7kg	-2700K

Spares	Order Code KEN-567
Telescopic Handle & Wheel Set to suit	-7600K
'D' Shape Case Handle to suit	-7601K
Locks & Keys to suit	-7602K
Upper Tool Board to suit	-7650K
Lower Tool Board to suit	-7652K

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KENNEDY High Impact Resistant Tool Case

Manufactured from composite aluminium and rubber resin which is normally used in the automotive industry. Chromed steel hinges with lid support mechanism, two chromed steel locks with keys, a heavy duty plastic handle and four rubber feet. Inside are two secured hinged tool boards, each with 31 elasticated tool loops, an expandable document compartment, two small organisers and a customisable storage compartment with repositional dividers.



Tools Not Included



Size (mm)	Weight each	Order Code KEN-593
470 x 390 x 347	6.5kg	-2780K

Spares	Order Code KEN-567
'D' Shape Case Handle to suit	-7601K
Locks with Keys to suit	-7608K
Upper Tool Board to suit	-7670K
Lower Tool Board to suit	-7672K
Telescopic Handle & Wheel Set to suit	-7700K

Technical Service Tool Case

Constructed from impact and temperature resistant injection moulded high thickness polypropylene. The case has a large thick aluminium trim with a strength maximising triple metal hinge, it is highly functional with a significant load carrying capability but has a classy appearance to suit the technicians image.

Features include:
Injection moulded high thickness polypropylene. Telescopic handle and heavy duty rubber wheels. Two removable tool trays. Storage area with removable dividers. Two clasps with key locks.







Size L x D x H (mm)	Weight each	Order Code KEN-593
465 x 352 x 215	7.00kg	-2520K

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Service Engineer's Aluminium Tool Case

Heavy duty case for tool storage, ideal for the mobile service-engineer. Offers the storage of many tools with the professional look of a briefcase. Silver aluminium with reinforced edges and corners. Internal base compartment is fitted with adjustable dividers to offer choice of sizes. Removable rigid tool board stored in the lid with 17 pockets of various sizes.
Supplied with fixed handle and two security locks and keys.



Size (mm)	Weight each	Order Code SEN-593
457 x 330 x 150	3.00kg	-4400K

Executive Engineer's Aluminium Tool Case

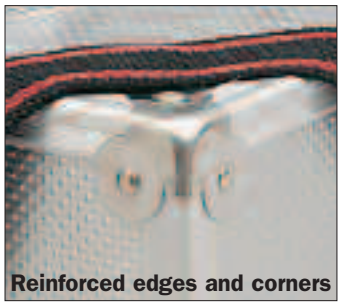
Large, lightweight case for tool storage, ideal for the mobile engineer. Offers the storage and portability of a large amount of tooling with the professional look of a briefcase. Black aluminium case with silver reinforced edges and corners. Internal base compartment is fitted with adjustable dividers to offer choice of sizes. Removable rigid tool board stored in the lid with 17 pockets of various sizes. 1" wide, length adjustable lightweight nylon shoulder strap with rubber shoulder protector for added comfort.
Supplied with fixed handle and two security locks and keys.



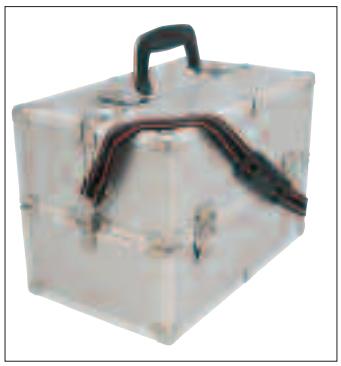
Size (mm)	Weight each	Order Code SEN-593
457 x 330 x 150	5.70kg	-4360K

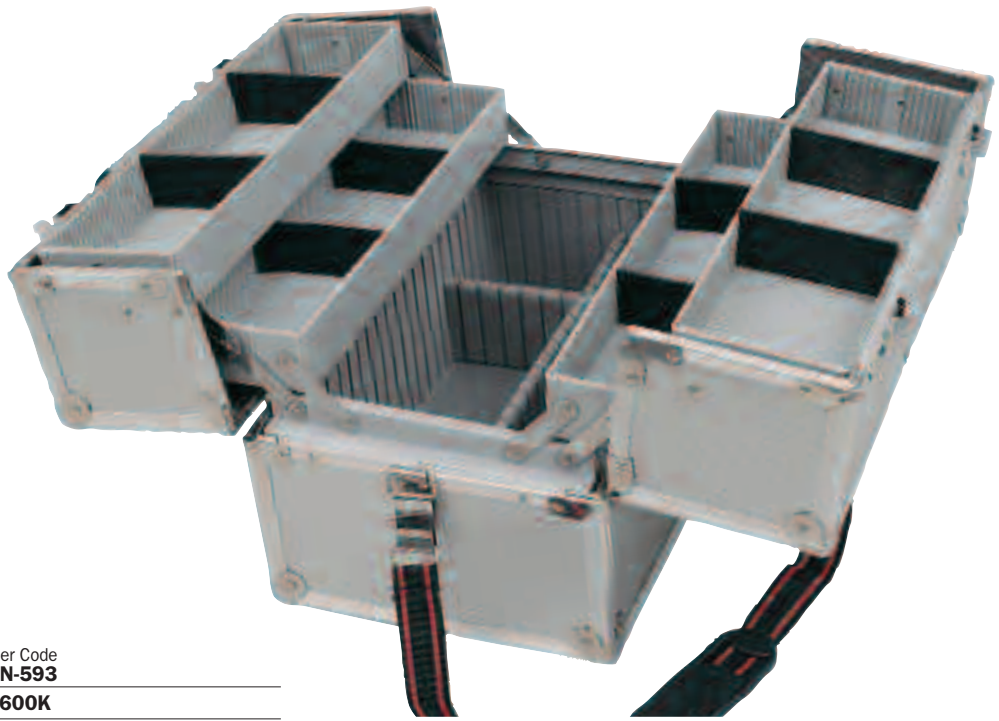
Cantilever Aluminium Tool Case

Heavy duty case for tool storage, ideal for the mobile technician. Offers the storage and portability of many tools with the professional look of a briefcase. Silver aluminium with reinforced edges and corners. Concealed cantilever mechanism. Large base compartment with four cantilever trays to make all contents instantly available. Compartment dividers are adjustable to offer choice of sizes.
1" wide, length adjustable lightweight nylon shoulder strap, with rubber shoulder protector for added comfort.
Supplied with fixed handle and two security locks and keys.



Reinforced edges and corners





Size (mm)	Weight each	Order Code SEN-593
360 x 220 x 245	3.10kg	-4600K

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KENNEDY Power Tool Case

Sturdy plastic case, suitable for a variety of tools, such as angle grinders, honing machines, drills, planes, sanders, etc.



Size (mm)	Order Code KEN-593
420 x 260 x 160	-1020K

Tote Tool Organisers

Multi-purpose tote tray organisers are an ideal way to store and transport tools. The tote provides two deep trays for storage, built-in tool holders and a ribbed handle for extra grip.

Small: 392 x 281 x 110mm.
Large: 520 x 340 x 200mm.

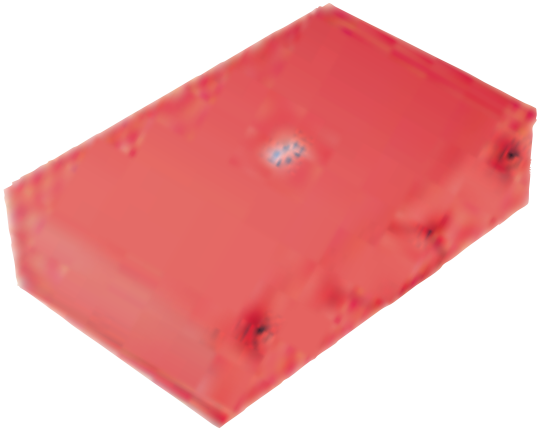


Tools Not Included

Size	Weight each	Order Code KEN-593
Small	410g	-2050K
Large	870g	-2070K

Steel Tool Tidy

Made from heavy gauge steel with double folded seams. For storing and transporting portable power tools and other items that require an industrial case for protection.



Size (mm)	Weight each	Order Code KEN-593
270 x 115 x 400	1.40kg	-1000K

Tool Box with Tote

Manufactured from impact resistant high-density plastic. Internal eight compartment tote tray. Features moulded metric rule on the lid, lid locking clasps and sturdy plastic handle that also locks lid shut when lifting. Padlock hole and piano hinges.



Size (mm)	Order Code KEN-593
445 x 240 x 220	-2300K

Tool Box With Tote & Organiser

Made from impact resistant high-density plastic. Internal eight compartment tote tray with retractable carry handle and stacking 16-compartment organiser, moulded metric scale on the lid, lid locking clasps and sturdy plastic handle that also locks lid shut when lifting. With lock hasp and piano hinge.



Size (mm)	Order Code KEN-593
480 x 240 x 260	-2320K

YAMOTO Heavy Duty Site Tool Boxes

Powder coated. Soft grip carrying handle and lightweight design. The black plastic overriders add to the overall ruggedness helping to prevent damage to the box or items around it. The lid has 'V' section to allow measuring and cutting short lengths of pipe. There is a tote tray for smaller items. Fitted with heavy-duty metal latches designed to stay closed even when in transit.





Width (mm)	Depth (mm)	Height (mm)	Order Code YMT-593
470	238	178	-1420K
582	298	255	-1440K
2 Piece Set - (1 of each above)			-1400K

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KENNEDY Multi-Utility Storage Box

A lightweight high capacity injection moulded polypropylene box for tough, heavy duty use. Water-resistant design and integral lifting grips on both sides. The lid features a full length steel pin hinge with 'positive pressure' cam style clasping mechanism that seals the case to create a water-resistant closure. Also features integral trolley suit-case style wheels and a pull-out handle, a robust fold flat carry handle and a slide out clear ID/nameplate holder. Shock-resistant and corrosion-proof. Moulded padlocking hasp and stacking locators.







Tools Not Included



Size (mm)	Order Code KEN-593
780 x 410 x 330mm	-1600K

Mobile Tool Box

Sturdy mobile tool box with a large lower storage area for power tools, etc. The tool box has an integral handle slides out for ease of transport, two nested tote trays for smaller tools. The lockable lid has two storage compartments for fixings.

Tools Not Included



Size (mm)	Order Code KEN-593
580 x 370 x 480mm	-2000K

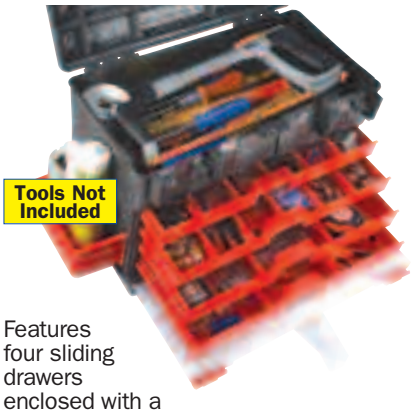
4-Drawer Tool Chest

Manufactured from high impact co-polymer polypropylene.



Metric graduated V-groove in the lid securely holds workpiece while being cut.

Tools Not Included



Features four sliding drawers enclosed with a slide clasp front panel to prevent opening whilst in transit. Top carry handle with soft touch grip zone and large locking clasps. Front cover panel and lid have aligning padlock hole for added security.

Size (mm)	Order Code KEN-593
450 x 250 x 325	-1500K

Tool Box with Tote & Wheels

Recessed rigid handle for tilting box onto wheels for easy transportation. Large clasps to lock lid when in transit/storage and padlock hole for security. Recessed carrying handle allows stacking. Five-compartment tote tray also features opaque lids on the two end compartments with moulded snap clasps to prevent accidental opening.



Weight: 3.30kg.



Size (mm)	Order Code KEN-593
645 x 280 x 300	-2340K

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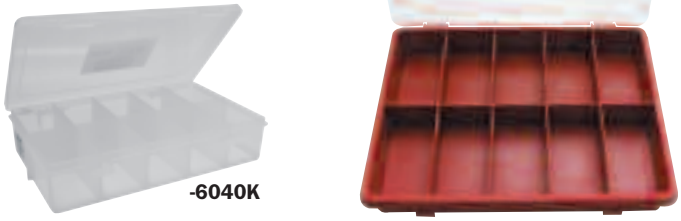
KENNEDY 10-Compartment Storage Trays

Made from tough polypropylene. Service cases have 10 equal compartments. Lids have positive catches and are semi-transparent to view their contents.



-6040K

Overall Length	Overall Width	Overall Depth	Weight each	Order Code KEN-593
240mm	178mm	36mm	0.2kg	-6000K
200mm	130mm	45mm	180g	-6040K

Professional Service Case

Suitable for transporting and storing smaller items. Manufactured from hi-density industrial strength plastic with opaque lid for viewing contents. Slide clasp-locking mechanism to prevent opening while in transit/storage. Lid and base feature two aligning padlock holes to accept padlocks with shackle diameters up to 5.8mm. The lids have three hinges for strength and durability. Eight fixed compartments supplied with dividers to make up to 16 sections.

Dimensions (W x D x H):
380 x 60 x 335mm.



Height (mm)	Width (mm)	Depth (mm)	Order Code KEN-593
380	60	335	-2400K

Service Case Organiser

Robust stacking unit for containing four lockable organiser cases, which lift and slide out. The expandable system allows units to be attached on top or side by side. Cases have translucent lid for selecting contents and multi-positional compartment separators. Used for storing up to four service cases.

Dimensions (L x W x H): 425 x 350 x 375mm.
Maximum load: 6kg.
It is recommended that no more than three organisers should be stacked at one time.

SERVICE CASES AVAILABLE SEPARATELY (See above)



Height (mm)	Width (mm)	Depth (mm)	Order Code KEN-593
425	350	375	-2380K

KENNEDY 2-in-1 Rolling Tool Box

Mobile storage solution manufactured from impact resistant plastic, making it ideal for heavy duty use. Features include - soft bi-material handles, padlock eyes, heavy-duty steel catches, side handles for dual lifting, high strength wheels with rubber tyres, integrated footplate to aid tilting, reinforced corners, and lock-in latches to secure the two tool boxes together.



Retractable telescopic handle & removable lid and tote tray



Boxes stack and lock together when transporting

Description	Weight	Order Code KEN-593
2-in-1 Rolling Toolbox	11.3kg	-9810K

Mobile Tool Cabinet

Manufactured from high impact co-polymer polypropylene. Large tilt opening parts bin. Sliding drawers with locking mechanism to prevent the drawer opening whilst in transit. Top carry handle with soft touch grip zone and large locking clasps. Internal four compartment tote tray. Top box and parts bin both feature aligning holes to suit padlocks with shackle diameters of up to 7.4mm. Metric graduated V-groove in the lid securely holds work piece while being cut. Trolley handle is height adjustable. Rear 'H' hooks for storing extension leads and large wheels for easy movement.

Size (W x D x H):
490 x 330 x 720mm.



Size (mm)	Order Code KEN-593
490 x 330 x 720	-1800K

4-Drawer Parts Cabinet

Manufactured from hi-impact co-polymer polypropylene with opaque drawers for viewing contents. Three section top compartment with opaque lid and moulded snap clasps to prevent accidental opening. Each internal sliding transparent drawer features three removable dividers and locking mechanism to prevent the drawer opening whilst in transit. Recessed top carry handle and locating lugs allows stacking of multiple cabinets.

Dimensions (W x D x H):
390 x 200 x 340mm.



Height (mm)	Width (mm)	Depth (mm)	Order Code KEN-593
390	200	340	-1760K

HAND TOOLS

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KENNEDY PROFESSIONAL Professional Cantilever

Heavy gauge steel with all-welded construction for continuous industrial use. Durable corrosion-resistant two part epoxy powder coat finish. Fully enclosed cantilever mechanism for added security. Quick release lid clasps with padlock hole for security. Two- piece cantilever lids that can be padlocked for additional security (padlock not included). Full width piano hinges provide rigidity and strength. Large base compartment (450 x 260 x 170mm) with four cantilever trays for additional storage. The cantilever action of the top trays makes tray contents instantly available. Supplied with fixed carry handle on the lid.



Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
459	255	333	9.10kg	**-0140K**

Heavy Duty Tool Boxes

Heavy gauge steel, all welded construction. Durable and corrosion resistant two-part epoxy powder paint finish. With quick release lid clasps, padlock hasps and textured carry handles. Full width piano hinges provide rigidity and strength, ensuring smooth operation and additional security. Removable tote tray for smaller tools and components. Can be padlocked for additional security (padlock not included). Supplied with fixed carry handle on the lid.



Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
483	180	180	3.65kg	**-0040K**
508	218	243	6.35kg	**-0060K**

KENNEDY QUALITY INDUSTRIAL TOOLING Industrial Cantilever Tool Boxes

Manufactured from industrial quality steel with all welded construction. Durable corrosion-resistant two-part epoxy powder coat finish. Two piece cantilever lids with padlock hole for additional security. Large base compartment with four partitioned, instant access cantilever trays for additional storage. Full width carry handle also automatically closes trays when lifting.



Overall Length	Overall Width	Overall Depth	Weight each	Order Code KEN-593
430mm	205mm	205mm	5.30kg	**-1170K**
560mm	205mm	205mm	6.10kg	**-1210K**

Barn-Type Tool Boxes

Manufactured from heavy gauge steel of rigid construction for continuous industrial use. Large base compartment for larger items and removable tote tray for smaller and most used items. Hard wearing cellulose paint finish. Two piece lid doors that overlap with padlock hole for added security. Full width piano hinges provide rigidity and strength. Supplied with fixed carry handle on the lid.

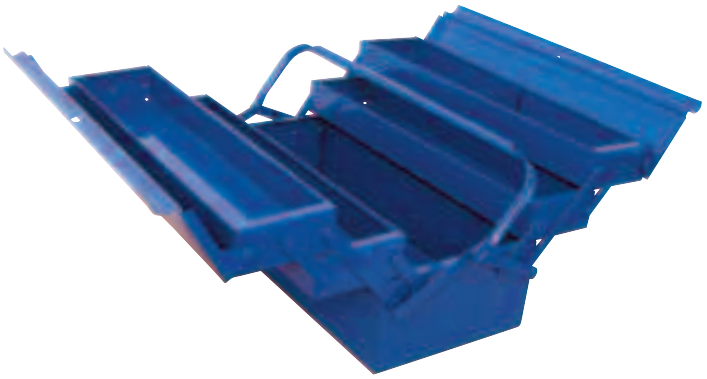


Overall Length	Overall Width	Overall Depth	Weight each	Order Code KEN-593
355mm	205mm	185mm	3.00kg	**-2140K**
480mm	205mm	185mm	4.40kg	**-2190K**
610mm	205mm	185mm	5.10kg	**-2240K**

SENATOR QUALITY TOOLING Cantilever Tool Boxes

Steel construction with two piece cantilever lids with padlock hole for additional security. Large base compartment with four easy access cantilever trays for additional storage. The full width carry handle automatically closes the trays when lifting.





Size (mm)	Order Code SEN-593
430 (17”)	**-1370K**
530 (21”)	**-1410K**

Barn-Type Tool Box

Steel construction with base compartment for larger items and removable upper tray for smaller, most used items.



Size (mm)	Order Code SEN-593
355 (14”)	**-1540K**

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KENNEDY PROFESSIONAL Portable Tool Chests

Manufactured from heavy gauge steel with all welded construction. Durable and corrosion-resistant two part epoxy powder paint finish. With quick release lid clasps, padlock hasps and textured carry handles. Full width piano hinges provide rigidity and strength, ensuring smooth operation and additional security.

2 Drawer
Two full-length drawers with rigid aluminium lipped handles. Automatically locks the drawers when the lid is closed, to prevent accidental opening.

Drawer size: 508 x 190 x 76mm.

3 Drawer
Three full-length drawers with rigid aluminium edged handles. Fully lockable unit with a handle on the top and a carry handle on each end. The lid automatically locks all of the closed drawers when lowered to prevent opening.

Overall dimensions (W x H x D): 520 x 340 x 215mm.
Drawer sizes: 2@ 460 x 180 x 55mm. 1@ 460 x 180 x 75mm.





Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
534	218	288	10.4kg	**-0100K**

Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
520	215	340	10.4kg	**-0120K**

Stainless Steel Tool Chest & Roller Cabinets

Manufactured from heavy gauge stainless steel with double wall construction side panels and welded joints for added rigidity. Quick release smooth running ball bearing drawer slides. Fully locking. 125 x 50mm heavy-duty extra strong castors, fitted with two brakes. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed.
Available in Grade 430 or Grade 304 stainless steel.

4 Drawer Cabinets
Drawer sizes (W x D x H): 4@ 597 x 428 x 90mm.
Overall dimensions: 673 x 470 x 513mm.

7 Drawer Roller Cabinets
Drawer sizes (W x D x H):
5@ 597 x 428 x 90mm.
1@ 597 x 428 x 135mm.
1@ 597 x 428 x 180mm.
Overall dimensions:
683 x 480 x 887mm.

NEW







Grade 430

Description	Order Code PRO-594
Tool Chest	**-0003A**
Roller Cabinet	**-0004A**

Grade 304

Description	Order Code KEN-594
Tool Chest	**-1540K**
Roller Cabinet	**-6020K**

Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castors	SPR-567-6920K
Top Mat	SPR-567-7540K
Draw Liner	SPR-567-6610K

For Prices see Page 583

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KENNEDY PROFESSIONAL Roller Cabinets & Tool Chests

NEW

Our Ultimate Range of Tool Storage – Combines Maximum Capacity with a Superior Finish
Robust and heardwearing, this range is made from a two part construction with strong steel inner walls and reinforced back panels for added security. The angled corners protect against mobility strains or cracks and preserve product shape for longer. These items feature anti-rust and solvent resistant powder coat finish. Fully opening drawers with classic design pulls to allow easy access with a drawer weight capacity of 40-45kg. The increased drawer load capacities allows storage of most tools and can be fully loaded.

Security
Top lid fitted with gas struts for safe and easy access.
Full height rear locking mechanism for greater security.

Mobility
Strong ergonomic side handles, can fit to either side of unit. 125mm diameter castors with brakes, absorbs shock and can support heavy loads.

Design
Anti - rust and solvent resistant powder coat finish, maintains paintwork and protects against scratches. Perforated sides optimise space with easy to install accessories and tool holders.
45° angled corners protects against mobility strains and cracks, plus preserves unit shape. Plastic bumpers on each corner protects against impact. Non-slip 10mm EVA top mat prevents damage and protects tools. ABS top tray available.

Drawers
Fully opening allowing greater access. Auto return magnets secure drawers into place. Full width individual catches only allows one drawer to open at a time, prevents cabinet from tipping. 3.0mm EVA liners maintains paintwork and protects tools. 45mm ball bearing slides give good drawer stability and smooth action - even under load.

Top Chest
6 Drawer Size (WxDxH):
3@ 170x400x75mm
3@ 570x400x75mm

Roller Cabinets
5 Drawer Size (WxDxH):
1@ 570x400x75mm
4@ 570x400x155mm

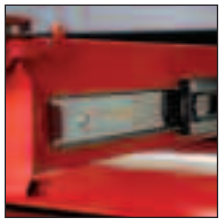
7 Drawer Size (WxDxH):
5@ 570x400x75mm
2@ 570x400x155mm

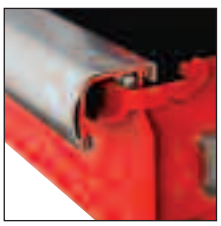
Total drawer load capacity:
Tool Chests: 255kg.
Roller Cabinets: 290kg.

550kg Load Capacity (Static)

Roller Cabinet only





Accessories Page 574

Top Chest

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-594
6	710	465	455	**-2240K**

Roller Cabinets

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-594
5	710	465	845	**-2140K**
7	710	465	845	**-2340K**

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KENNEDY Roller Cabinets & Tool Chests

NEW

INDUSTRIAL

Our High-end Industrial Range – Robust Enough for the Demands of Every Workplace
This range has been made with the heavy industrial user in mind. These items feature full width top chests and full height cabinets with alloy style castors. All units are finsihed with anti - rust and solvent resistant powder coat paint. Made from robust steel with inner walls and reinforced back panels. All corners are angled to maintain product shape and protect cabinet during transportation. This range features fully opening drawers with classic design pulls to allow easy access. Our Kennedy logo is pressed into the top chest lid and cabinet bottom drawer.

Security
Top lid fitted with 2 steel stays lock into position - option of gas struts available. Full height rear locking mechanism for greater security.

Mobility
Strong ergonomic side handles (Roller Cabinets) can fit to either side of unit. Chrome side handles with comfort grip (Tool Chest).
For ease when transporting unit. 125mm diameter castors with brakes, absorbs shock and can support heavy loads.

Design
Anti-rust and solvent resistant powder coat finish maintains
paintwork and protects against scratches. Perforated sides optimise space with easy to install accessories and tool holders available. 45° angled corners protects against mobility strains and cracks, plus reserves unit shape. Steel inner walls for added strength and extra ridgidity. Non-slip 10mm EVA top mat prevents damage and protects tools. ABS top tray available.

Drawers
Fully opening allowing greater access. Auto return magnets secure drawers into place. Individual latches prevents unexpected opening of drawers when repositioning. 2.5mm EVA liners maintains paintwork and protects tools. 45mm Ball bearing slides give good drawer stability and smooth action - even under load.

Top Chest
3 Drawer Size (WxDxH):
3@ 170x400x75mm
6 Drawer Size (WxDxH):
3@ 170x400x75mm
3@ 570x400x75mm
12 Drawer Size (WxDxH):
9@ 170x400x50mm
2@ 570x400x50mm
1@ 570x400x75mm

Roller Cabinets
5 Drawer Size (WxDxH):
1@ 570x400x75mm
4@ 570x400x155mm
7 Drawer Size (WxDxH):
5@ 570x400x75mm
2@ 570x400x155mm

Total drawer load capacity:
Tool Chests: 195kg.
Roller Cabinets: 220kg.

450kg Load Capacity (Static)
Roller Cabinet only








Accessories Page 574

Top Chests

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-594
3	710	465	375	**-2040K**
6	710	465	455	**-2220K**
12	710	465	485	**-2420K**

Roller Cabinets

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-594
5	710	465	845	**-2120K**
7	710	465	845	**-2320K**

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KENNEDY Select Range Roller Cabinets

Our High-end Industrial Range – Robust Enough for the Demands of Every Workplace
This range has been made with the heavy industrial user in mind. These items feature full width top chests and full height cabinets with alloy style castors. All units are finsihed with anti - rust and solvent resistant powder coat paint. Made from robust steel with inner walls and reinforced back panels. All corners are angled to maintain product shape and protect cabinet during transportation. This range features fully opening drawers with classic design pulls to allow easy access. Our Kennedy logo is pressed into the top chest lid and cabinet bottom drawer.

INDUSTRIAL

3 Drawer Roller Cabinet
3@ 570 x 400 x 75mm

NEW



450kg Load Capacity (Static)

5 Drawer Roller Cabinet
1@ 570 x 400 x 75mm
4@ 570 x 400 x 155mm



NEW

450kg Load Capacity (Static)

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-594
3	710	465	845	**-2020K**
5	710	465	845	**-2620K**

KENNEDY PROFESSIONAL

7 Piece Screwdriver Holder
Size: (WxDxH)
200x39x65mm



7 Piece Hook Rack
Size: (WxDxH)
325x5x29mm



ABS Work Top Tray
Size: (WxDxH)
720x470x25mm



4 Piece Can Holder
Size: (WxDxH)
325x90x70mm



Side Tray
Size: (WxDxH)
300x120x60mm



Multifunctional Tray
Size: (WxDxH)
320x90x120mm



Description	Order Code KEN-594
ABS Work Top Tray	**-1580K**
4 Piece Can Holder	**-1590K**
7 Piece Hook Rack	**-1610K**
7 Piece Screwdriver	**-1630K**
Multifunctional Tray	**-1650K**
Side Tray	**-1660K**

320mm Paper Roll Holder
Size: (WxDxH)
20x30x270mm

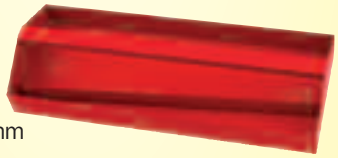


Gas Struts





Waste Bin
Size: (WxDxH)
300x135x250mm



Tote Tray
Size (WxDxH):
440 x 175 x 85mm

Description	Order Code KEN-594
Paper Roll Holder	**-1560K**
Tote Tray	**-1640K**
Waste Bin	**-1670K**
Gas Struts	**-6600K**

HAND TOOLS

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YAMOTO Roller Cabinets & Tool Chests

Our Mid-Range of Tool Storage – Modern Design that's Sturdy, Stylish and Secure
Introducing our trade-pro tool storage range. This range compromises of full height cabinets with a stylish and modern design with ergonomic drawer pulls. These feature 35mm ball bearing slides and has the highest drawer load capacities within our Yamoto range. Made to be sturdy these have steel inner walls wih a pressed steel back strengthener wih angled front corners to prolong cabinet life.



Roller Cabinet only

Top Chest
6 Drawer Size (WxDxH):
3@ 170x275x50mm
2@ 570x275x50mm
1@ 570x275x75mm

12 Drawer Size (WxDxH):
9@ 170x400x50mm
2@ 570x400x50mm
1@ 570x400x75mm

Roller Cabinets
3 Drawer Size (WxDxH):
2@ 570x400x75mm
4@ 570x400x155mm

5 Drawer Size (WxDxH):
1@ 570x400x75mm
4@ 570x400x155mm

7 Drawer Size (WxDxH):
5@ 570x400x75mm
2@ 570x400x155mm

Total drawer load capacity:
Tool Chests: 150kg.
Roller Cabinets: 210kg.

Top Chests

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code YMT-594
6	660	310	380	**-1500K**
12	660	440	490	**-1520K**

Roller Cabinets

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code YMT-594
3	680	460	860	**-1600K**
5	680	460	860	**-1620K**
7	680	460	860	**-1640K**

SENATOR QUALITY TOOLING Roller Cabinets Tool Chests

Our Workshop, General Purpose Range – Entry Level Choice for Durability and Mobility
The new Senator tool storage range is ideal for your workshop or the light industrial user. With an anti-rust and solvent resistant powder coat finish this range will stay looking new for longer. The top chest features corner protectors, reinforced lid and steel lid stays to protect from any impact or accidental slamming. The new ergonomic drawer pulls provide easy access to your tools. The new workshop range have 35mm ball bearing slides giving greater drawer weight capacities to store all your tools. These benefit from steel inner walls with a pressed steel back strengthener making them more robust and longer lasting.



Roller Cabinet only

Top Chest
6 Drawer Size (WxDxH):
3@ 170x275x50mm
3@ 570x275x50mm

Total drawer load capacity:
Tool Chests: 150kg.
Roller Cabinets: 210kg

Roller Cabinets
3 Drawer Size (WxDxH):
3@ 570x400x60mm
1@ 675x460x440mm

5 Drawer Size (WxDxH):
1@ 570x400x60mm
4@ 570x400x125mm

7 Drawer Size (WxDxH):
5@ 570x400x60mm
2@ 570x400x125mm

Top Chests

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code SEN-594
6	660	310	355	**-1660K**

Roller Cabinets

Number of Drawers	Width (mm)	Depth (mm)	Height (mm)	Order Code SEN-594
3	680	460	725	**-1530K**
5	680	460	725	**-1550K**
7	680	460	725	**-1570K**

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KENNEDY PROFESSIONAL Roller Cabinets

Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy-duty extra strong castors, fitted with two brakes. Overall dimensions: 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed. Roller cabinets are not suitable for frequent relocation when loaded, and when moved should only ever be pushed.

3 Drawer
Internal drawer dimensions bottom compartment (W x D x H):
610 x 430 x 355mm.

Drawers (W x D x H):
3@ 590 x 410 x 100mm.
Uses 16" drawer slides.

Spares	Order Code
Lock	SPR-567-7260K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castors	SPR-567-6920K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code **KEN-594**
Red	690	460	890	44.0kg	**-5500K**

5 Drawer
Drawers (W x D x H):
4@ 590 x 410 x 100mm.
1@ 590 x 410 x 200mm.
Uses 16" drawer slides.

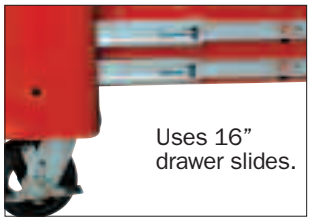
Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castors	SPR-567-6920K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code **KEN-594**
Red	690	460	890	44.0kg	**-5540K**

7 Drawer
Drawers (W x D x H):
4@ 590 x 410 x 50mm. 2@ 590 x 410 x 100mm.
1@ 590 x 410 x 200mm.



Uses 16" drawer slides.



Heavy-duty extra strong castors



Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castors	SPR-567-6920K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code **KEN-594**
Red	690	460	890	53.0kg	**-5580K**

ABS Worktop to suit Standard Roller Cabinets

Designed to fit directly on to the top of most standard 3, 5, and 7 drawer roller cabinets including Kennedy, Yamoto, Senator, Britool, Proto etc. Provides a non-slip compartmentalised working space to hold tools and fasteners whilst protecting the paint finish of the roller cabinet itself. Manufactured form high impact ABS plastic.

Overall size (W x D): 695mm x 464mm
Size range of cabinets suited (W x D):
655mm to 690mm x 425mm to 460mm

NEW



Overall Size (mm)	Order Code **SPR-567**
695 x 464	**-6840K**

HAND TOOLS

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KENNEDY PROFESSIONAL Step-up Units

2 Drawer
Manufactured from heavy gauge steel, electro-coated enamel finish for superior appearance and protection. Steel panels in the drawers for extra rigidity, ball bearing drawer runners. Supplied with drawer liners and top mat.

Drawer sizes (W x D x H):
2@ 590.5 x 410 x 102mm.



Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	688	459	280	44.0kg	-5400K

12 Drawer
Top compartment size (W x D x H):
660 x 150 x 90mm.

Drawer sizes (W x D x H):
6@ 125 x 410 x 50mm.
1@ 170 x 410 x 155mm.
2@ 130 x 410 x 75mm.
2@ 590 x 410 x 50mm.
1@ 590 x 410 x 100mm.

Uses 14" drawer slides.
Type B lid stays.

EXTRA DEEP



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Lid Stays	SPR-567-6950K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	690	445	490	48.0kg	-5280K

Tool Chests

3 Drawer
Top compartment size:
90 x 660 x 150mm.

Drawer sizes (W x D x H):
1@ 590 x 285 x 50mm.
2@ 590 x 285 x 100mm.



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7000K
Lid Stays	SPR-567-6950K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	690	315	385	44.0kg	-5200K

6 Drawer
Top compartment size:
660 x 150 x 90mm.

Drawer sizes (W x D x H):
2@ 125 x 285 x 50mm.
1@ 280 x 285 x 50mm.
2@ 590 x 285 x 50mm.
1@ 590 x 285 x 100mm.



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7060K
Lid Stays	SPR-567-6960K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	690	315	385	44.0kg	-5240K

Extra Deep Tool Chests

5 Drawer
Over 25% deeper than standard size tool chests for extra storage.

Drawer sizes (W x D x H):
3@ 595 x 405 x 50mm.
2@ 595 x 405 x 100mm.

Uses 14" drawer slides.
Type B lid stays.

EXTRA DEEP



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7060K
Lid Stays	SPR-567-6960K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	660	405	510		-5340K

9 Drawer
Over 25% deeper than standard size tool chests for extra storage.

Drawer sizes (W x D x H):
6@ 295 x 405 x 50mm.
2@ 595 x 405 x 50mm.
1@ 595 x 405 x 100mm.

Uses 14" drawer slides.
Type B lid stays.

EXTRA DEEP



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7060K
Lid Stays	SPR-567-6960K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	660	405	510		-5360K

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KENNEDY PROFESSIONAL Extra Deep, Heavy Duty Tool Chest

4 Drawer + Top Compartment

Heavy gauge steel, welded and riveted to form an extremely rigid construction. The two part epoxy powder paint finish gives excellent corrosion-resistance and ensures durability. Central locking system. A full width piano hinge provides rigidity, strength and additional security. The drawers have smooth running ball bearing slides and each has its own safety catch. The four full-length drawers have rigid aluminium edged handles and are sized:

Drawer sizes (W x D x H):

2@ 560 x 340 x 40mm. 1@ 560 x 340 x 65mm.
1@ 560 x 340 x 95mm.



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slides	SPR-567-7060K
Lid Stays	SPR-567-4820K
Draw Liner	SPR-567-6610K
Lock Link	SPR-567-7410K

See Page 583

Lock Links to suit Extra Heavy-Duty Chests & Cabinets

To suit Cabinet/Chest (Order Code)	Order Code SPR-567
KEN-594-4820K KEN-594-4860K	-7400K

Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
700	405	450	35.5kg	-4820K

Extra Deep, Extra Large, Heavy-Duty Tool Chest

9 Drawer + Top Compartment

Heavy gauge steel, welded and riveted to form this extra large chest. Corrosion resistant powder coated finish provides superb durability. Locking mechanism locks all drawers as the lid is closed and each drawer has its own safety catch. Four heavy-duty type carry handles with comfortable grips for easier lifting. The lid has a full width piano hinge giving extra rigidity, strength and additional security. Drawers have smooth running ball bearing drawer slides and rigid aluminium edged handles.

Drawer sizes (W x D x H):

2@ 560 x 340 x 40mm. 2@ 305 x 340 x 40mm.
2@ 560 x 340 x 65mm. 1@ 305 x 340 x 65mm.
1@ 560 x 340 x 95mm. 1@ 305 x 340 x 180mm.



Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
1050	405	530	68kg	-4860K

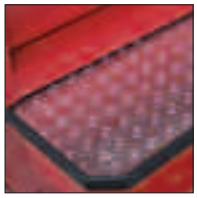
Features of our XD & XDXL Range



HD Castors



HD Side Handle



Checker-plate Top



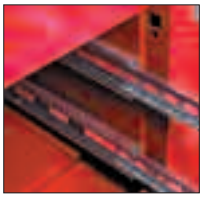
Gas Strut



HD Chest Handles



Individual Catches



Ball Bearing Slides

Extra Deep, Heavy-Duty Roller Cabinet

7 Drawer

Heavy gauge steel, welded and riveted to give an extremely rigid construction. Corrosion resistant powder coated finish. Locking mechanism locks all the closed drawers which have individual safety catches to prevent accidental opening. Four heavy-duty castors, two fixed and two swivel which when combined with the heavy-duty side handle enable the user to move it with ease. All drawers have smooth running ball bearing drawer slides and aluminium edged handles.

Drawer sizes (W x D x H):

1@ 570 x 393 x 52mm.
4@ 570 x 393 x 80mm.
1@ 570 x 393 x 108mm.
1@ 570 x 393 x 154mm.



Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slides	SPR-567-7040K
Castor's	SPR-567-6910K
Draw Liner	SPR-567-6610K
Lock Link	SPR-567-7410K

See Page 583

Lock Links to suit Extra Heavy-Duty Chests & Cabinets

To suit Cabinet/Chest (Order Code)	Order Code SPR-567
KEN-594-4840K	-7410K

Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
690	460	995	71.5kg	-4840K

Extra Deep, Extra Large, Heavy-Duty Roller Cabinet

13 Drawer

Heavy gauge steel, welded and riveted to give extremely rigid construction. The two-part epoxy powder paint finish gives excellent corrosion resistance and ensures durability. Central locking system. Heavy-duty castors and side handle designed to cope with the extra large size and weight. Drawers have smooth running ball bearing drawer slides and rigid aluminium edged handles.

Drawer sizes (W x D x H):

2@ 560 x 390 x 95mm. 1@ 305 x 390 x 95mm.
4@ 560 x 390 x 65mm. 3@ 305 x 390 x 65mm.
1@ 560 x 390 x 205mm. 1@ 305 x 390 x 180mm.
1@ 305 x 390 x 205mm.



Lock Links to suit Extra Heavy-Duty Chests & Cabinets

To suit Cabinet/Chest (Order Code)	Order Code SPR-567
KEN-594-4880K	-7410K

Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
1065	460	1052	119.5kg	-4880K

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KENNEDY PROFESSIONAL *Extra Large Tool Chests & Roller Cabinets*

Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed. Roller cabinets are not suitable for frequent relocation when loaded and should only ever be pushed.

11 Drawer Top Chest
Top compartment (W x D x H): 1020 x 390 x 100mm.
Drawer sizes (W x D x H):
5@ 580 x 415 x 50mm. 1@ 580 x 415 x 100mm.
4@ 270 x 415 x 50mm. 1@ 270 x 415 x 150mm.



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Lid Stays	SPR-567-6970K
Top Mat	SPR-567-6780K
Draw Liner	SPR-567-6610K

See Page 583

EXTRA LARGE

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	1030	460	530	94.0kg	-5780K

11 Drawer Roller Cabinet
Drawer sizes (W x D x H):
4@ 270 x 415 x 50mm.
4@ 560 x 415 x 50mm.
2@ 560 x 415 x 100mm.
1@ 560 x 415 x 170mm.
Uses 14" drawer slides.
Type B lid stays.

For Spares see Page 583



Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castor's	SPR-567-6920K
Top Mat	SPR-567-7540K
Draw Liner	SPR-567-6610K

See Page 583

EXTRA LARGE

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	680	480	1130	83.0kg	-5740K

7 Drawer Roller Cabinet
Internal drawer dimensions
Bottom compartment (W x D x H):
400 x 460 x 300mm.
400 x 460 x 415mm
Drawer sizes (W x D x H):
4@ 580 x 415 x 50mm. 2@ 580 x 415 x 100mm. 1@ 580 x 415 x 150mm.
Uses 14" drawer slides.
Type B lid stays.



EXTRA LARGE

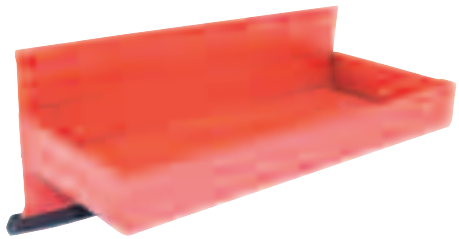
Spares	Order Code
Lock	SPR-567-7260K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7040K
Castor's	SPR-567-6920K
Top Mat	SPR-567-7520K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code KEN-594
Red	1060	480	925	81.0kg	-5700K

Magnetic Tool Tray

Steel tool/parts tray with durable hardwearing corrosion-resistant powder coated finish. Suitable for keeping small parts, components and tools near to hand when working on vehicles, domestic appliances and other equipment. Three high strength magnets in protective non-scratch rubber coating.





Length x Width x Depth (mm)	Weight each	Order Code KEN-594
210 x 115 x 115	739g	-6500K
310 x 115 x 115	939g	-6520K

HAND TOOLS

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YAMOTO Tool Chest

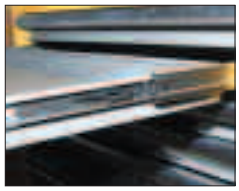
6 Drawer Tool Chest
Made from 0.8mm steel panels with 0.6mm drawers. Powder coated yellow/grey with aluminium drawer pulls. The fully locking lid encloses the six drawers which have foam liners and smooth running 250mm ball bearing drawer slides. Supplied with a loose tote tray for carrying tools to work area.

Overall dimensions (W x D x H):
668 x 315 x 389mm.
Top compartment (W x D x H):
660 x 305 x 50mm.
Tote tray (W x D x H):
430 x 170 x 45mm.
Drawer sizes (W x D x H):
@ 590 x 279 x 101.5mm.
2@ 590 x 279 x 49mm.
1@ 281 x 279 x 49mm.
2@ 127 x 279 x 49mm.



Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7020K
Lid Stays	SPR-567-6950K
Draw Liner	SPR-567-6610K

See Page 583


Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
Yellow	668	315	389	22.2kg	-5240K

Roller Cabinet

7 Drawer Roller Cabinet
Body made from 1mm steel panels with 0.8mm drawers. Powder coated yellow/grey with aluminium drawer pulls. Fully opening drawers. Smooth running 350mm ball bearing drawer slides. Rubber top mat and foam drawer liners. Fully locking. 100 x 25mm heavy duty castors, with two brakes. Strong 450mm wide handle.

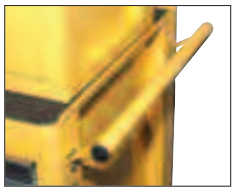
Overall dimensions (W x D x H):
689 (760 with handle) x 459 x 780mm (915 with castors).
Drawer sizes (W x D x H):
4@ 590 x 409 x 49mm.
2@ 590 x 409 x 101.5mm.
1@ 590 x 409 x 206.5mm.



Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7050K
Castors	SPR-567-6900K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583

Fits Tool Chest Shown Above


Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
Yellow	689	459	780	48.9kg	-5580K

Tool Chests

Double thickness side walls. One piece drawer slides. Epoxy powder coated finish. Carry handles. All steel construction. Supplied with drawer liners. Piano hinge and lid stays. Supplied with tote tray.

Spares	Order Code
Lock	SPR-567-7240K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7020K
Lid Stays	SPR-567-6950K
Draw Liner	SPR-567-6610K

See Page 583

3 Drawer
Drawer sizes (W x D x H):
1@ 590 x 285 x 50mm.
2@ 590 x 285 x 100mm.
Top compartment size (W x D x H):
660 x 150 x 90mm.
Uses 10" Drawer slides.
Type A lid stays.



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
Red	670	315	385	27kg	-0200K

6 Drawer
Drawer sizes (W x D x H):
2@ 130 x 285 x 50mm.
1@ 280 x 285 x 50mm.
2@ 590 x 285 x 50mm.
1@ 590 x 285 x 100mm.
Top compartment size (W x D x H):
660 x 150 x 90mm.
Uses 10" drawer slides.
Type A lid stays.



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
Red	670	315	385	27kg	-0240K

12 Drawer
Drawer sizes (W x D x H):
8@ 130 x 410 x 50mm.
1@ 280 x 410 x 100mm.
2@ 590 x 410 x 50mm.
1@ 590 x 410 x 100mm.
Top compartment size (W x D x H):
660 x 150 x 90mm.
Uses 10" drawer slides.
Type A lid stays.



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
Red	670	445	490	47kg	-0280K

HAND TOOLS

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YAMOTO *Roller Cabinets*

Double wall side panels and welded joints for added rigidity. Solid one piece I-beam drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 100mm rubber castors, two brakes. Drawer loads should be evenly distributed. Roller cabinets are not suitable for frequent relocation when loaded, and should only ever be pushed.

Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7050K
Castors	SPR-567-6900K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Page 583

3 Drawer
Overall dimensions (W x D x H):
690 x 460 x 850mm.
Bottom compartment (W x D x H):
610 x 430 x 355mm.
Drawer sizes (W x D x H):
3@ 590 x 410 x 100mm.
Uses 16” drawer slides.



Colour	Weight each	Order Code YMT-594
Red	43.0kg	-0500K

5 Drawer
Overall dimensions (W x D x H):
690 x 460 x 850mm.
Internal drawer dimensions (W x D x H):
4@ 590 x 410 x 100mm.
1@ 590 x 410 x 200mm.
Uses 16” drawer slides.



Colour	Weight each	Order Code YMT-594
Red	46.5kg	-0540K

7 Drawer
Overall dimensions (W x D x H):
690 x 460 x 850mm.
Internal drawer dimensions (W x D x H):
4@ 590 x 410 x 50mm.
2@ 590 x 410 x 100mm.
1@ 590 x 410 x 200mm.
Uses 16” drawer slides.



Colour	Weight each	Order Code YMT-594
Red	52.5 kg	-0580K

4-Drawer Service Cart

Industrial all steel construction with a Hi-Vis yellow and grey spray paint finish. Full width piano hinge. Chrome oval handle for comfort. Double extending ball bearing drawer runners for full drawer depth opening and smooth operation. 4x 4” solid rubber castors with 360° rotation. Two rear castors feature lever locking mechanism to reduce unwanted movement. Large open base bay. Lid stays to hold the lid in a vertical position when in use. Protective drawer liners prevent scratching and reduce tool noise. Double locking system: Drawer lever locking mechanism within top tool bay. Key locking drop down lid for the top tool bay. Supplied flat packed for on-site assembly.

Overall dimensions (W x H x D):
770 x 960 x 520mm.
2 drawers (W x H x D Internal):
300 x 70 x 440mm.
2 drawers (W x H x D Internal):
640 x 70 x 440mm.
Maximum capacities:
Drawers:
40kg/drawer.
Overall: 280kg.
Top tool bay:
675 x 450mm storage.
2x 35 x 470mm tool storage.





Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code YMT-594
855	500	960	53.0kg	-2040K

Description	Order Code YMT-567
Replacement 90° Lock Set	-6800K
Replacement Drawer Sliders (Pr)	-7100K

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SENATOR QUALITY TOOLING Tool Chest

6 Drawer
Body made from 0.8mm steel panels with 0.6mm drawers. Powder coated finish in blue/grey with aluminium drawer pulls. The fully locking fold down lid encloses the six drawers which have foam liners and smooth running 250mm ball bearing drawer slides. Supplied with a loose tote tray. Chrome carrying handles.





Overall dimensions (W x D x H): 668 x 315 x 389mm.
Top compartment (W x D x H): 660 x 305 x 50mm.
Tote tray (W x D x H): 430 x 170 x 45mm.
Drawer sizes (W x D x H): 1@ 590 x 279 x 101.5mm, 2@ 590 x 279 x 49mm, 1@ 81 x 279 x 49mm, 2@ 127 x 279 x 49mm.

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code SEN-594
Blue	668	315	389	22.9kg	**-5240K**

Roller Cabinet

7 Drawer
Body made from 1mm steel panels with 0.8mm drawers. Powder coated finish in blue/grey with aluminium drawer pulls. Fully opening drawers for extra accessibility. Quick release smooth running 350mm ball bearing drawer slides. Rubber top mat and foam drawer liners. Fully locking. 100 x 25mm heavy duty castors, fitted with two brakes. Strong 450mm wide handle. Drawer loads should be evenly distributed. Roller cabinets should only be pushed.

Overall dimensions (W x D x H):
689 - 760 with handle x 459 x 780mm - 915 with castors.

Drawer sizes (W x D x H): 4@ 590 x 409 x 49mm, 2@ 590 x 409 x 101.5mm, 1@ 590 x 409 x 206.5mm.



Spares	Order Code
Lock	SPR-567-7180K
Key Blank	SPR-567-7340K
Draw Slides 10"	SPR-567-7080K
Draw Slides 14"	SPR-567-7100K
Castors	SPR-567-6930K
Lid Stays	SPR-567-6980K
Draw Liner	SPR-567-6610K

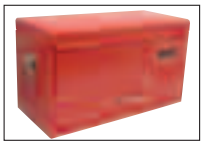
See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code SEN-594
Blue	689	459	780	48.9kg	**-5580K**

Tool Chests

For the cost conscious, DIY and light industrial use.

3 Drawer
Piano hinged lid. Carry handle. Cantilever top tray. Fully locking.
Drawer sizes (W x D x H): 3@ 450 x 190 x 55mm. Uses 10" drawer slides. Type A lid stays.





Spares	Order Code
Lock	SPR-567-7200K
Key Blank	SPR-567-7300K
Draw Slide	SPR-567-7020K
Draw Liner	SPR-567-6610K

See Page 583

Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code SEN-594
Red	520	218	304	9.1kg	**-0200K**

6 Drawer
Piano hinge. Carry handles. Tote tray. Fully locking. Two wall construction side panels. I-Beam draw slides.

Drawer sizes (W x D x H): 2@ 50 x 125 x 280mm. 1@ 50 x 280 x 280mm. 2@ 50 x 590 x 280mm. 1@ 100 x 590 x 280mm.

Uses 10" drawer slides. Type A lid stays.

Spares	Order Code
Lock	SPR567-7240K
Key Blank	SPR567-7320K
Draw Slide	SPR567-7020K
Lid Stay	SPR567-6950K
Draw Liner	SPR567-6610K

See Page 583



Colour	Width (mm)	Depth (mm)	Height (mm)	Weight each	Order Code SEN-594
Red	670	320	390	26kg	**-0240K**

3 Tray Tool Trolley

Bolted steel construction. 100mm industrial castors. Brakes fitted to two end castors. Hard wearing powder coated finish.



Overall Length	Overall Width	Overall Depth	Weight each	Order Code SEN-594
737mm	383mm	663mm	3.70kg	**-4030K**

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SENATOR QUALITY TOOLING Roller Cabinets

Double thickness side walls with welded joints and a hard wearing epoxy powder coating. I-Beam draw slides with double sliders on base drawer. 100mm rubber castors with brakes fitted to two end castors. Fully locking. Castors are rated to 40kg capacity standing load per castor. Drawer loads should be evenly distributed. Roller cabinets are not suitable for frequent relocation when loaded and should only ever be pushed.

Spares	Order Code
Lock	SPR-567-7210K
Key Blank	SPR-567-7320K
Draw Slide	SPR-567-7050K
Castors	SPR-567-6900K
Top Mat	SPR-567-7560K
Draw Liner	SPR-567-6610K

See Below

3 Drawer
Overall dimensions (W x D x H):
680 x 435 x 660mm.
Drawer sizes (W x D x H):
3@ 511 x 403 x 75mm.
Bottom compartment (W x D x H):
678 x 425 x 368mm.
Uses 16" drawer slides.



Colour	Weight each	Order Code SEN-594
Red	26kg	-1030K

5 Drawer
Overall dimensions (W x D x H):
680 x 435 x 660mm.
Drawer sizes (W x D x H):
3@ 511 x 403 x 75mm.
2@ 551 x 403 x 155mm.
Uses 16" drawer slides.



Colour	Weight each	Order Code SEN-594
Red	33kg	-1050K

7 Drawer
Overall dimensions (W x D x H): 670 x 460 x 885mm.
Drawer sizes (W x D x H):
4@ 590 x 410 x 50mm.
2@ 590 x 410 x 100mm.
1@ 590 x 410 x 200mm.
Uses 16" drawer slides.



Colour	Weight each	Order Code SEN-594
Red	51kg	-0580K

Cabinet & Chest Spares

* Note: Draw liner size is 583 x 405mm and can be cut to size. All spare keys are supplied as blanks and will need cutting to size.

Cabinet/Chest Order Code	Lock	Key Blank	Draw Slides	Lid Stays	Castors	Top Mat	Draw Liner*
	Order Code SPR-567	Order Code SPR-567	Order Code SPR-567	Order Code SPR-567	Order Code SPR-567	Order Code SPR-567	Order Code SPR-567
KENNEDY							
KEN-594-1540K	-7210K	-7320K	-7040K	- -	- -	- -	-6610K
KEN-594-4820K	-7240K	-7320K	-7060K	-4820K	- -	- -	-6610K
KEN-594-4840K	-7210K	-7320K	-7040K	- -	-6910K	- -	-6610K
KEN-594-4860K	-7240K	-7320K	-7060K	-4860K	- -	- -	-6610K
KEN-594-4880K	-7210K	-7320K	-7040K	- -	-6910K	- -	-6610K
KEN-594-5200K	-7240K	-7320K	-7000K	-6950K	- -	- -	-6610K
KEN-594-5210K	-7240K	-7320K	-7000K	-6950K	- -	- -	-6610K
KEN-594-5240K	-7240K	-7320K	-7000K	-6950K	- -	- -	-6610K
KEN-594-5250K	-7240K	-7320K	-7000K	-6950K	- -	- -	-6610K
KEN-594-5280K	-7240K	-7320K	-7040K	-6950K	- -	- -	-6610K
KEN-594-5290K	-7240K	-7320K	-7040K	-6950K	- -	- -	-6610K
KEN-594-5340K	-7240K	-7320K	-7060K	-6960K	- -	- -	-6610K
KEN-594-5360K	-7240K	-7320K	-7060K	-6960K	- -	- -	-6610K
KEN-594-5400K	-7210K	-7320K	-7040K	- -	- -	-7560K	-6610K
KEN-594-5410K	-7210K	-7320K	-7040K	- -	- -	-7560K	-6610K
KEN-594-5500K	-7260K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5510K	-7260K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5540K	-7210K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5550K	-7210K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5580K	-7210K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5590K	-7210K	-7320K	-7040K	- -	-6920K	-7560K	-6610K
KEN-594-5700K	-7260K	-7320K	-7040K	- -	-6920K	-7520K	-6610K
KEN-594-5740K	-7210K	-7320K	-7040K	- -	-6920K	-7540K	-6610K
KEN-594-5780K	-7240K	-7320K	-7040K	-6970K	- -	-6780K	-6610K
KEN-594-6020K	-7210K	-7320K	-7040K	- -	-6910K	-7540K	-6610K
SENATOR							
SEN-594-0200K	-7200K	-7300K	-7020K	- -	- -	- -	-6610K
SEN-594-0240K	-7240K	-7320K	-7020K	-6950K	- -	- -	-6610K
SEN-594-0580K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
SEN-594-1030K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
SEN-594-1050K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
YAMOTO							
YMT-594-0200K	-7240K	-7320K	-7020K	-6950K	- -	- -	-6610K
YMT-594-0240K	-7240K	-7320K	-7020K	-6950K	- -	- -	-6610K
YMT-594-0280K	-7240K	-7320K	-7020K	-6950K	- -	- -	-6610K
YMT-594-0500K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
YMT-594-0540K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
YMT-594-0580K	-7210K	-7320K	-7050K	- -	-6900K	-7560K	-6610K
YMT-594-5240K	-7180K	-7340K	-7080K	-6980K	- -	-	-6610K
YMT-594-5580K	-7180K	-7340K	-7100K	- -	-6930K	-7560K	-6610K

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KENNEDY PROFESSIONAL Tool Control

CAD designed and high precision laser cut foam tray inserts are designed to keep tools precisely and accurately in the correct position and drawers for improved productivity. In some applications a dropped tool is a serious hazard, colour contrasting foam inserts are used to easily recognise lost tooling and also reduce audit time. Areas of use include food industry maintenance, automotive assembly.



25 Piece Set - TCD025

Professional Pliers
1x 160mm snipe nose.
1x 160mm diagonal cutters.
1x 160mm combination.

Pro-Torq Screwdrivers
Crosspoint:
No.2 x stubby, No.2 x 100mm.

Pozidriv:
No.1 x 75,
No.2 x 100,
No.3 x 150mm.

Flared:
6.3 x 150, 8.0 x 200mm.

Parallel:
5.0 x 150mm.

Metric Professional Combination Wrenches
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.



25 PIECES

Product Number	Number of Pieces	Weight each	Order Code KEN-595
TCD025	25	2.3kg	**-5000K**

Dimensions: 590 x 410 x 45mm
Suitable for Kennedy Toolchests - **KEN- 594-5580K**
(see page 576 for details)

50 Piece Set - TCD050

3/8 **Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.

Deep Sockets:
10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

Screwdriver Bits:
Slotted
5, 5.5 and 6.5mm.

Crosspoint
No.1, 2, 3, and 4.

Hex Bits:
3, 4, 5, 6, 8 and 10mm.

Accessories:
Ratchet handle, sliding T-handle, spinner handle, swivel handle. Universal joint. 125 and 250mm extensions, 250mm wobble extensions, 1/4" and 1/2" male adaptors, 1/4" hex bit coupler.



50 PIECES

Product Number	Number of Pieces	Weight each	Order Code KEN-595
TCD050	50	6.2kg	**-5020K**

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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KENNEDY PROFESSIONAL *Complete Tool Control Sets include Kennedy Professional Roller Cabinet*

Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy-duty extra strong castors, fitted with two brakes.
Overall dimensions: 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor.
Drawer loads should be evenly distributed.
Drawers (W x D x H): 4@ 590 x 410 x 50mm. 2@ 590 x 410 x 100mm. 1@ 590 x 410 x 200mm.

25 Piece Set Configuration



50 Piece Set Configuration



7 Drawer Roller Cabinet

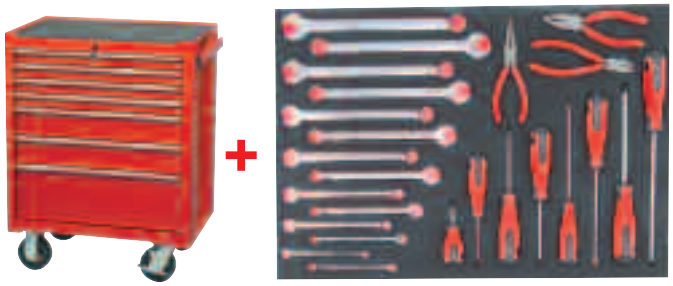


25 Piece Set with Professional Roller Cabinet

TCC025
Professional Pliers
1x 160mm snipe nose,
1x 160mm diagonal cutters,
1x 160mm combination.
Metric Professional Combination Wrenches
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

Pro-Torq Screwdrivers
Crosspoint: No.2 x stubby, No.2 x 100mm.
Pozidriv(r): No.1 x 75, No.2 x 100, No.3 x 150mm.
Flared: 6.3 x 150, 8.0 x 200mm.
Parallel: 5.0 x 150mm.

25 PIECES



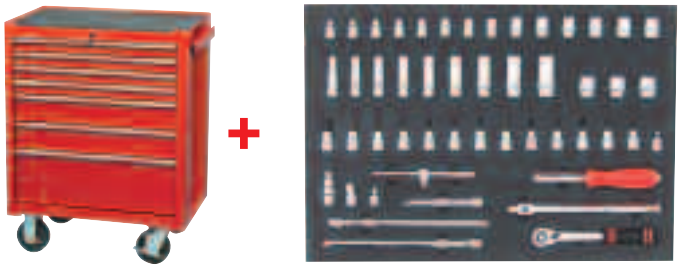
Product Number	Number of Pieces	Weight each	Order Code KEN-595
TCC025	25	55.3kg	**-5540K**

50 Piece Set with Professional Roller Cabinet

TCC050
Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Deep Sockets: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.
Screwdriver Bits
Slotted: 5, 5.5 and 6.5mm.
Crosspoint: No.1, 2, 3, and 4.
Hex Bits: 3, 4, 5, 6, 8 and 10mm.

Accessories:
Ratchet handle, sliding T-handle, spinner handle, swivel handle. Universal joint. 125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hex bit coupler.

50 PIECES



Product Number	Number of Pieces	Weight each	Order Code KEN-595
TCC050	50	59.2kg	**-5520K**

75 Piece Set With Professional Roller Cabinet - TCC075

Professional Pliers
1x 160mm snipe nose,
1x 160mm diagonal cutters,
1x 160mm combination.
Pro-Torq Screwdrivers
Crosspoint: No.2 x stubby, No.2 x 100mm.
Pozidriv(r): No.1 x 75, No.2 x 100, No.3 x 150mm.
Flared: 6.3 x 150, 8.0 x 200mm.
Parallel: 5.0 x 150mm.
Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Deep Sockets: 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.
Screwdriver Bits
Slotted: 5, 5.5 and 6.5mm.
Crosspoint: No.1, 2, 3, and 4.
Hex Bits: 3, 4, 5, 6, 8 and 10mm.
Accessories:
Ratchet handle, sliding T-handle, spinner handle, swivel handle. Universal joint.
125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hex bit coupler.

Metric Professional Combination Wrenches
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

75 PIECES







Product Number	Number of Pieces	Weight each	Order Code KEN-595
TCC075	75	61.5kg	**-5500K**

HAND TOOLS

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KENNEDY PROFESSIONAL 208 Piece Apprentice Engineer's Tool Kit- AET200

208 PIECES

Supplied in a three drawer professional roller cabinet and a three drawer top chest. Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes. Overall dimensions: 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed.

3 Drawer Top Chest
Top compartment size: 89 x 661 x 150mm.
Drawer sizes: 1@ 51 x 591 x 282.5mm.
2@ 102 x 591 x 282.5mm.

3 Drawer Roller Cabinet
Internal drawer dimensions
Bottom compartment size: 610 x 432 x 356mm.
Drawer sizes: 3@ 591 x 410 x 102mm.

Contents:

- 25 piece HSS drill set 1 - 13.00mm x 0.5mm.
- Six piece 200mm double cut engineer's file set.
- Six piece 16cm cut 2 assorted needle file set.
- 25 x 230 x 280mm assorted abrasive sheet.
- 200mm chrome vanadium steel adjustable spanner.
- 6 x 150mm flat cold chisel.
- 19mm x 33m black pvc insulation tape.
- 76mm, 18 blade combination feeler gauge set.
- 4.8mm square head centre punch.
- 150mm/6" stainless steel rule c/w pocket clip.
- 178mm double ended Engineer's scriber.
- Eye loupe.
- Adjustable telescopic 30mm dia. inspection mirror (expands to 180mm).
- Six piece parallel pin punch set: 2.4, 3.2, 4.0, 4.8, 5.5 and 6.4mm.
- 150mm/6" engineer's square - **BS 939 grade B**.
- Tap wrenches 1.5 - 6.4mm and 6.4 - 19mm.
- Magnetic telescopic pick-up tool extends to 550mm.
- 29 piece engineer's bit set.
  All 6mm hex x 25mm overall length, complete with magnetic spinner handle, 6mm hexagon bit adaptor and 6mm square socket adaptor.
  Hexagon: 2, 3, 4, 5, 6, 7 and 8mm; flat 3, 4, 5, 5.5, 6.5 and 8mm; 3/32", 1/8", 5/32", 3/16", 1/4", 7/32" and 5/16"; crosspoint No.1, 2 and 3;
  Pozidriv® No.1, 2 and 3.
- 450g (1lb) ball pein hammer wood shaft.
- 7.5m/25ft steel tape.
- Snap-off eight segment blade economy knife.
- Retractable trimming knife with five blades.
- Junior hacksaw frame.
- 300mm lightweight professional hacksaw frame.
- Six off 12" x 1/2" x 18tpi HSS hacksaw blades.
- 20 junior hacksaw blades.
- Two plastic handle household scissors.
- 150mm snipe nose plier with side cutter.
- 150mm diagonal cutting nipper.
- 150mm Engineer's combination pliers with side cutter.
- 250mm curved jaw high strength grip wrench.
- Eight piece Pro-Torq screwdriver set:
  crosspoint No.1 x 75, No.2 x 100; pozidriv® No.2 x 100; flared 6.3 stubby, 6.3 x 100, 8.0 x 200; parallel 5.0 x 75, 5.0 x 150.
- 14 piece combination spanner set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
- 25 piece metric socket set 1/2" square drive sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30 and 32mm.
  Spark plug sockets: M10 and M14.
  Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars.
- Nine piece metric hex key set 1.5 - 10mm.



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code KEN-595
208		-0550K

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KENNEDY PROFESSIONAL

300 Piece Engineer's Professional Tool Kit

300 PIECES

Supplied in a five drawer professional roller cabinet and a three drawer top chest. Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes.
Overall dimensions: 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor.
Drawer loads should be evenly distributed.

3 Drawer Top Chest
Top compartment size: 89 x 661 x 150mm.
Drawer sizes: 1@ 51 x 591 x 282.5mm,
2@ 102 x 591 x 282.5mm.

5 Drawer Roller Cabinet
Internal drawer dimensions:
4@ 591 x 460 x 102mm.
1@ 591 x 410 x 204mm.

Contents:
- Set of 25 HSS drills 1 - 13.00mm x 0.5mm.
- Eight piece 200mm (8") double cut Engineer's file set.
- Six piece 16cm cut 2 assorted needle file set.
- 20x 150mm (6") junior hacksaw blades.
- 10x 12" x ½" x 18TPI HSS all hard hacksaw blade.
- 25x 230mm x 280mm assorted abrasive sheets.
- 200mm (8") soft grip phosphate adjustable wrench.
- 6mm 150mm flat cold chisel.
- 3" 18-bade metric/inch comb feeler gauge set.
- 4" x 3/16" (4.8mm) square head centre punch.
- Set of 6 parallel pin punches.
- 150mm/6" inch/metric rigid rustless rule.
- 300mm/12" rigid rustless rule - round end.
- 150mm (6") Engineer's square.
- 300mm (12") Engineer's square.
- 7" double ended engineers scriber.
- 1¼" focal length eye loupe.
- Adjustable telescopic 1¼" mirror.
- Set of two: 1/16" - ¼" and ¼" - ¾" tap wrenches.
- 1lb ball pein hammer - wood shaft.
- 16oz black rubber mallet - wood shaft.
- 5½" plastic handle household scissors.
- 8½" plastic handle household scissors.
- 5m/16" professional ABS steel tape.
- Snap-off 8 seg-blade heavy duty knife.
- Snap-off 13 seg-blade mini knife.
- Retractable trimming knife c/w five blades.
- Beaver style junior hacksaw.
- Professional 'plus' cushion grip hacksaw.
- Magnetic pick-up tool.
- Set of four Pro-Torq pliers.
- 10" curved jaw grip wrench.
- 12 piece Pro-Torq screwdriver set.
- 64 piece ¼" hexagon bit set.
- ¼" hex bit driver.
- Seven piece box spanner set 6 - 19mm c/w tommy bars.
- Combination wrenches: 10 - 19mm.
- 50 piece metric ⅜" square drive socket set.
- 8" straight blade tinsnip.
- Three drawer professional tool chest.
- Metal tote tray.
- Five drawer professional roller cabinet.
- Eight piece metric Pro-Torq hex wrench set on clip.
- Nine piece inch Pro-Torq hex wrench set on clip.
- 19mm x 33m black PVC insulation tape.



Number of Pieces	Weight each	Order Code KEN-595
300		-3080K

Set contents may vary slightly according to product development and availability.

HAND TOOLS

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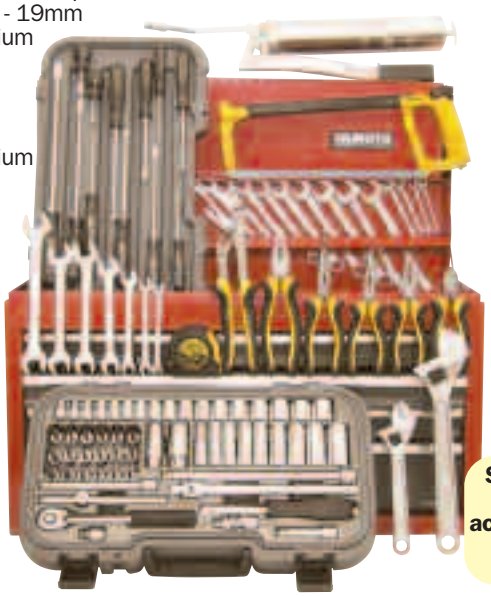
YAMOTO 100 Piece Mechanic's Starter Tool Kit

Contents:
- 8" and 12" satin chrome adjustable wrench set.
- 5m/16ft locking tape rule.
- Lightweight hacksaw frame.
- 400cc lever type steel grease gun.
- 150mm long nose pliers.
- 200mm long nose pliers.
- 150mm diagonal nippers.
- 150mm linesman's combination pliers.
- 200mm linesman's combination pliers.
- 250mm waterproof pliers.
- 12 piece mechanic's pattern screwdriver set.
- Seven piece 6 - 19mm chrome vanadium open ended spanner set.
- 14 piece 6 - 19mm chrome vanadium combination spanner set.
- 55 piece 3/8" drive socket and bit set.
- Six drawer red tool chest.

100 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code YMT-595
100	34.0kg	-3500K

Mechanic's Tool Kit

52 Piece Mobile Mechanic's Tool Kit
Specifically designed for mechanics on the move.

Contents include: 582 x 298 x 255mm metal toolbox with tote tray, adjustable wrenches, pocket knife, pliers, screwdrivers, spanners and sockets.

NEW

52 PIECES



Number of Pieces	Weight each	Order Code YMT-595
52		-2600K

SENATOR QUALITY TOOLING 90 Piece Engineer's Workshop Tool Kit

- Top chest.
- 24 piece 1/2" drive metric socket set.
- Six piece 16cm cut 2 assorted needle file set.
- 10x 12" x 1/2"x 18tpi all hard hacksaw blades.
- 8"/200mm chrome vanadium adjustable spanner.
- 12" rule - walleted.
- Metric/inch feeler gauge 60mm blade length.
- 1 1/2lb ball pein hammer- hickory shaft.
- 16oz black rubber mallet - wood shaft.
- 5m/16ft locking tape rule - chromed case.
- Eight segment 18mm heavy duty snap-off blade knife.
- Retractable trimming knife.
- DIY hacksaw.
- 2x 50mm G-clamps.
- 2x 100mm G-clamps.
- 6" snipe nose plier/side cutter.
- 8" straight blade tinsnip.
- 6" diagonal cutting nipper.
- 7" linesman plier.
- 10" multiple slip joint plier.
- 10" straight jaw high strength grip wrench.
- 16 function 10-blade tool.
- 15 piece duel grip screwdriver set.
- 14 piece 6 - 19mm drop forged. combination spanner set.

90 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code SEN-595
90		-1000K

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KENNEDY PROFESSIONAL 62 Piece Workshop Tool Kit

5 compartment cantilever tool box with specially moulded trays to facilitate enhanced Tool Control and padlock hole for additional security.

- Sockets: 8 - 32mm, M10 and M14 spark plug
- 250mm Sliding 'T' Handle
- 125mm & 250mm extensions, 75mm wobble extension
- Quick release 72T rubber hatchet handle
- 375mm/15" jointed knurl gripped swivel handle
- Universal joint
- Combination Spanners: 6 -22mm
- Pro-torq screwdrivers: 5.5x100mm, 6.5x150mm and 8x200mm flat, No 0, No 2 and No 3 cross point.
- Pro-torq pliers: 180mm/7" combination, 150mm/6" snipe nose and 165mm/6˝" diagonal.
- Metric L-wrench ball driver set – 1.5 - 10mm



62 PIECES

Number of Pieces	Weight each	Order Code KEN-595
62		-0050K

56 Piece Standard Service Tool Kit

Suitable for use by service engineers, electricians and tradesmen. All Kennedy industrial quality tools carry a quality guarantee.

Contents:

- 430 x 340 x 160mm ABS plastic, aluminium reinforced, tool case.
- 150mm chrome adjustable wrench.
- 19mm x 33m black PVC insulation tape.
- 150mm mains tester range 125/250V.
- Soldering iron 25W/240V.
- Desoldering gun.
- 17g 1.0mm diameter 60/40 cored solder.
- 115mm sharp nose precision tweezers.
- 30mm diameter inspection mirror (handle extends up to 480mm).
- 7.5m/25ft steel tape.
- 13 segment-blade mini autolock retract knife.
- Junior hacksaw frame and blade.
- Magnetic pick up tool (extends to 550mm).
- 160mm snipe nose plier.
- 160mm diagonal cutting nipper.
- 160mm engineer's combination plier with side cutter.
- 150mm insulation and wire stripping plier.
- 115mm precision nippers.
- 115mm precision end cutting nippers.
- Chrome vanadium blade screwdrivers: crosspoint No.0, 1 and 2pt; slotted 6mm; supadriv No.0, 1 and 2pt.
- Offset screwdrivers: 5mm slot x No.1pt, 6mm slot x No.2pt.
- Insulated screwdrivers: parallel 4 x 100mm 1000V VDU, slotted 2.5 x 85mm.
- 20mm sash tool.
- 11 piece screwdriver and tool set: parallel 1, 1.2, 1.4, 1.8, 2.4 and 3mm; crosspoint PH0-2, PH0 and PH1; fine point awl and tweezers.
- 9 piece hex key set 1.5 - 10mm.
- Chrome vanadium combination spanners: 5.5, 6, 7, 8, 9 and 10mm.

56 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code KEN-595
56	6.8kg	-3000K

HAND TOOLS

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KENNEDY PROFESSIONAL 122 Piece 'Deluxe' Service Engineer's Tool Kit

This superb kit contains all the necessary tools for the service engineer in a sturdy aluminium case partitioned to keep tools organised and readily accessible.

Contents

- Aluminium tool case.
- Six piece 16cm needle file set.
- 150mm adjustable wrench.
- Digital multimeter.
- 125/250V mains tester.
- 19mm x 33m insulation tape: black, red and green/yellow PVC.
- 25W soldering iron.
- Cable stripping knife.
- Desoldering gun.
- 60/40 cored solder.
- Butane soldering torch.
- Centre punch 2.4 x 3.2mm.
- 2x parallel pin punches.
- 150mm/6" flexible rustless rule.
- Machinist's scriber.
- Sharp nose tweezers.
- Flat blade tweezers.
- Eye loupe.
- Telescopic inspection mirror.
- Magnetic pick up tool (extends to 550mm).
- 225g (½lb) ball pein hammer.
- 3½ oz cross pein hammer.
- 7.5m/25ft steel tape.
- Aluminium pocket torch.
- Retractable knife.
- Auto return utility knife.
- Junior hacksaw and blade.
- 10 junior hacksaw blades.
- 150mm flat nose plier.
- 150mm insulation and wire stripping plier.
- 150mm wire crimper/stripper.
- 160mm snipe nose plier.
- 160mm diagonal cutting nipper.
- 160mm combination plier.
- 4 piece circlip plier set.
- 177mm locking plier.
- 115mm precision flat nose plier.
- 115mm precision long nose plier.
- 115mm precision nippers.
- 115mm precision end cutting plier.
- 165mm soft touch pliers.
- Pro-Torq grip screwdrivers with chrome vanadium blade: slotted 100 x 6mm; crosspoint 76mm x No.0 and No.1, 6mm x No.2; supadriv 76mm x No.0 and 1, 4" x No.2; electrician's parallel 150 and 200 x 5mm.
- Offset screwdrivers: 5mm x No.1, 6mm x No. 2.
- Insulated screwdrivers: parallel 4 x 100mm, 1000V VDU, slotted 5.5 x 125mm.
- Torx screwdrivers: T6, T8 and T10.
- 11 piece screwdriver and tool set.
- Nine piece 5.5 - 13mm combination spanner set.
- Seven piece electronic screwdriver set.
- Six piece 0 - 11 BA open ended spanner set.
- Multi-purpose snips.
- Seven piece metric hexagon key set.
- Multi-purpose oil.
- 20mm sash tool.
- 100 cable ties.
- Scissors.



122 PIECES

Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code KEN-595
122	14.0kg	-3040K

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KENNEDY PROFESSIONAL

102 Piece Service Engineer's Tool Kit

Contents

- Hi-impact mobile tool case.
- Six piece 16cm cut 2 needle file set.
- 150mm chrome finish adjustable wrench.
- 150mm mains tester range 125/250V.
- 19mm x 33m insulation tape: black, red and green/yellow pvc.
- Soldering iron 25W 240V.
- Desoldering gun.
- Cable stripping knife.
- 17g 1.0mm diameter 60/40 cored solder.
- Square head centre punch 3.2 x 100mm.
- 150mm/6" flexible rustless rule.
- Precision tweezers: 115mm sharp nose, 120mm flat blade.
- Eye loupe.
- 30mm dia. telescopic inspection mirror (handle expands to 480mm).
- 225g (½lb) ball pein hammer.
- 7.5m/25' steel tape.
- 13 segment blade mini autolock retractable knife.
- Junior hacksaw frame c/w hardened blade.
- 10 junior hacksaw blades for metal.
- 215mm plastic handle scissors.
- Magnetic pick up tool.
- 160mm snipe nose plier.
- 160mm diagonal cutting nipper.
- 160mm combination plier with side cutter.
- 150mm insulation and wire stripping plier.
- 115mm precision flat nose pliers.
- 115mm precision long nose pliers.
- 115mm precision nippers.
- 115mm precision end cutting nippers.
- Pro-Torq grip screwdrivers with chrome vanadium blade: slotted 100 x 6mm; crosspoint 76mm x No.0 and No.1, 6mm x No.2; supadriv 76mm x No.0 and No.1, 100mm x No.2; electrician's: parallel 150 and 200 x 5mm.
- Offset screwdrivers: 5mm x No.1 and 6mm x No. 2.
- 1000V VDU insulated screwdrivers: parallel 4 x 100mm; slotted 5.5 x 125mm.
- Torx screwdrivers: T6, T8 and T10.
- 11 piece screwdriver and tool set: parallel 1, 1.2, 1.4, 1.8, 2.4 and 3mm; crosspoint PH0-2, PH0 and PH1, fine point awl and tweezers.
- Seven piece electronic screwdriver set: parallel 1.4, 2, 2.4 and 3mm; crosspoint PH0-3, PH0-2 and PH0.
- Six piece chrome vanadium steel 0 - 11 BA open ended spanner set.
- 20mm dia. sash tool.
- Nine piece hex key set 1.5 - 10mm.
- Chrome vanadium combination spanners: 5.5, 6, 7, 8, 9 and 10mm.



Number of Pieces	Weight each	Order Code KEN-595
102	13.0kg	-3020K

Set contents may vary slightly according to product development and availability.

102 PIECES

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KENNEDY 107 Piece Apprentice Engineer's Tool Kit

- Toolbox • 6 piece Pro-Torq screwdriver set: crosspoint No.1 x 75 and No.2 x 100mm; flared 6.3 x 100 and 8.0 x 250mm; parallel 5 x 100 and 5 x 200mm.
- 6 piece screwdriver set: crosspoint PH0 and PH1; parallel 1.4, 2.0, 2.4, and 3.0mm.
- 6 - 19mm 14 piece metric combination spanner set.
- 9 piece metric hex key set: 1.5 - 10mm.
- 8 piece 2nd cut file set: one each flat, hand, round, half round, 3 square and square.
- 12 piece 2nd cut needle file set: 1 each hand, flat, knife, round, half round, square, 3 square, crossing, round edge joint, slitting, warding and barrette.
- 2 of each grade 0, 1 and 2 emery sheets.
- 200mm/8" adjustable wrench.
- 18 blade metric/inch feeler gauge.
- Magnetic pick-up tool extends to 650mm.
- 7.5m/25ft locking tape rule.
- Snap-off blade knife • Junior hacksaw • 20 junior hacksaw blades.
- 300mm (12") hacksaw frame • 6 hacksaw blades • Shears
- 3 piece professional plier set • 255mm straight jaw grip wrench.
- 6 x 150mm flat cold chisel • 1lb ball pein hammer.
- 175mm engineer's scriber.
- 30mm dia inspection mirror (extends to 650mm).
- Centre punch • 150mm (6") engineer's square.
- 150mm (6") pocket rule.
- 100cc grease gun • Eye loupe.

107 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code KEN-595
107	4.2kg	-0500K

KENNEDY PROFESSIONAL Computer Technician's Tool Kit

The kit is supplied in a Kennedy® professional tool and lap top bag.

- Hexagon wrench set 1.5 to 6mm.
- Precision nut driver set 3.0 to 5.0mm
- Flat blade precision tweezers 170mm.
- Sharp nose precision tweezers 115mm.
- 3-in-1 multimeter • Micro diagonal nipper 110mm.
- Automatic wire stripper 0.2 to 6mm capacity.
- Insulated VDE Screwdriver Set: Parallel: 2.5x85mm, 4.0x100mm, 5.5x125mm, 6.5x150mm. Crosspoint: No.0x75mm, No.1x100mm, No. 2x100mm.
- Crimping tool, capacity 8P8C/RJ-45, 6P/RJ-12, RJ-11 and 6P2C.
- Cable ties, black, 2.5 x 160mm packet of 100.
- Precision screwdriver set (in zip case): parallel 1.4 x 40mm, 2.0 x 40mm, 2.4 x 75mm, 3.0 x 75mm and 4.0 x 100mm blade length; crosspoint PH0-3 x 40mm, PH0-2 x 75mm, PH-0 x 75mm and PH1 x 100mm blade length.
- ESD long nose pliers 130mm.
- ESD bent nose pliers 140mm
- ESD flat nose pliers 130mm.
- Edison™ aluminium torch.
- Black PVC insulation tape 19mm x 33m.
- Air duster 400ml • Absorbent wipes (pack of 50).
- Screen wipes (pack of 50).
- 1x pair Polyco® pure dex antistatic gloves.
- Non-contact AC voltage detector.
- Retractable blade knife.
- Brushes: No.6 and No.10 flat fitch.

49 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code KEN-595
49		-3200K

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KENNEDY PROFESSIONAL 16 Piece Electrician's VDE Tool Bag & Kit

Heavy duty tear-resistant tool bag with velcro fastening flap. Double webbed shoulder strap fixed with metal release clasps. Two removable tool boards inside which have a unique tool storage securing system built in. All tools are VDE approved.

Contents:
Electrician's tool bag (320 x 340 x 125mm). 150mm euro tester will detect 'live' electricity supply. Suitable for AC to 125 - 250V. 3mm wide tip. Conform to **VDE 0630 Part 4**.
145mm (5¾") Pro-Torq grip diagonal nipper 1000V insulated.
160mm (6⅜") Pro-Torq snipe nose plier 1000V insulated.
165mm (6½") Pro-Torq engineer's combination plier 1000V insulated. 170mm (6¾") Pro-Torq wire stripper 1000V insulated.
7-pce VDE dual grip screwdriver set: No.0 x 60, No.1 x 80 and No.2 x 100mm, 2.5 x 75, 4.0 x 100, 5.5 x 125 and 6.5 x 150mm. 180mm (7") insulated cable knife, curved blade. 2x small parts storage boxes.



16 PIECES

Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-595
320	125	340	-3400K

17 Piece 'Live Line' VDE Tool Kit

Contents:
Tear-resistant tool roll (600 x 300mm). 190mm euro tester - will detect 'live' electricity supply. Suitable for AC to 125 - 250V. 3mm wide tip. Conform to **VDE 0630 Part 4.** 145mm (6¼") Pro-Torq grip diagonal nipper 1000V insulated. 160mm (6⅜") wire stripper, engineers' combination plier and snipe nose plier 1000V insulated. 240mm (9½") water pump box joint pliers 1000V insulated. 200mm adjustable wrench 1000V insulated.
7 piece insulated VDE screwdriver set: parallel: 2.5 x 85, 4.0 x 100, 5.5 x 125 and 6.5 x 150mm; crosspoint: No.0 x 75, No.1 x 100 and No.2 x 200mm.
180mm (7") insulated cable knife curved blade.
210mm (8¼") cable cutter.



Both rolls have a riveted carry handle on the outside.



17 PIECES

Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-595
320	125	340	-3420K

1000V Dual Grip Screwdriver & Plier Set

10 Piece Set
Fully insulated professional high grip dual material handles that are VDE tested up to 1000V. Screwdrivers have magnetic tips, chrome vanadium steel blades and a hanging hole. Pliers have chrome vanadium steel double polished head and joint heads.

Contents:
Screwdrivers:
Crosspoint -
No.0 x 60mm,
No.1 x 80mm,
No.2 x 100mm.
Parallel -
2.5 x 75mm,
4.0 x 100mm,
5.5 x 125mm,
6.5 x 150mm.
Pliers:
6⅜" Pro-Torq snipe nose pliers,
6¼" Pro-Torq grip nipper pliers,
6½" Pro-Torq engineering combination pliers.



10 PIECES

Number of Pieces	Weight each	Order Code KEN-595
10	1.4kg	-1600K

KENNEDY 7 Piece Maintenance Tool Kit

MTK7
Contents:
- Chrome adjustable wrench.
- Slotted electrician's VDE screwdriver.
- Slip joint pliers.
- High tensile diagonal cutting nippers.
- Universal combination pliers.
- No.2 crosspoint engineer's screwdriver.
- Flared slotted engineer's screwdriver.
- PVC tool roll.



7 PIECES

Number of Pieces	Weight each	Order Code KEN-595
7	1.3kg	-0070K

HAND TOOLS

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SENATOR QUALITY TOOLING 33 Piece Home Handyman Kit

HHK32

Supplied in a robust Tuff-E tool box with a tote tray for carrying tools to the job and a multi-compartment storage box with lid.

Contents:

- 18 piece wood, metal and masonry drill set, 6x wood drills 3, 4, 5, 6, 8 and 10mm; 6x masonry drills 3, 4, 5, 6, 8 and 10mm; 6x HSS drills 3, 4, 5, 6, 8 and 10mm.
- 8 piece fluted handle screwdriver set: flared: 6mm stubby, 3 x 100mm and 8 x 200mm; parallel: 3.2 x 75mm and 4 x 150mm; pozidriv: No.2 stubby, No.1 x 75mm and No.2 x 100mm. • Diagonal cutting nippers 150mm/6".
- Snipe nose pliers with side cutter 150mm/6".
- Linesman pliers 180mm/7".
- 8 segment snap-off blade knife with a contour moulded grip.
- 3m/10ft locking tape rule in a tough plastic case.

Set contents may vary slightly according to product development and availability.



33 PIECES

Number of Pieces	Weight each	Order Code SEN-595
33		-0500K

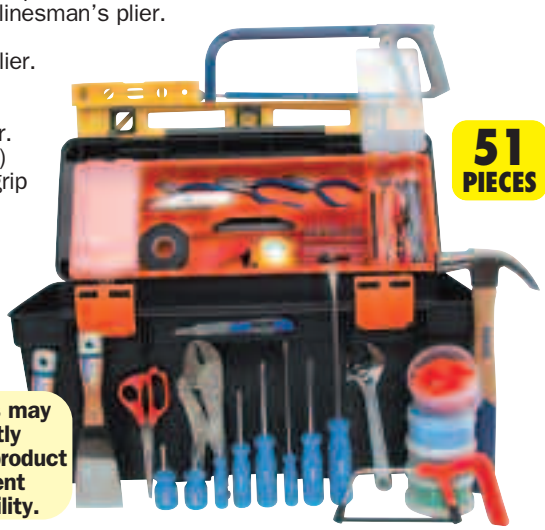
51 Piece Home Handyman Tool Kit

HHK51

Supplied in a robust Tuff-E tool box, c/w double latch.

Contents:

- 8 piece fluted handle screwdriver set: flared 6mm stubby, 3 x 100mm and 8 x 200mm; parallel 3.2 x 75mm and 4 x 150mm; pozidriv No.2 stubby, No.1 x 75mm and No.2 x 100mm.
- 10 piece screwdriver bit set: 6mm quick release hex bit adaptor; flat 3, 4, 5, 6 and 8mm; crosspoint No.0, 1, 2 and 3mm.
- 200mm (8") chrome vanadium adjustable spanner.
- 225mm (9") hi-vis magnetic boat level. • 600mm (24") hi-vis girder section level. • 150mm mains tester, range 125/250V.
- 19mm x 33m black PVC insulation tape. • Adjustable telescopic 300mm dia inspection mirror. • 450g (16oz) claw hammer wood shaft. • 3m/10ft hi-vis locking tape. • 13 seg 9mm standard snap-off blade knife. • Retractable trimming knife c/w 5 blades.
- 150mm (6") junior hacksaw frame c/w hardened blade.
- 150mm (6") junior hacksaw blade for metal (10).
- 300mm (12") DIY hacksaw frame.
- 177mm (7") plastic handle household scissors.
- 63mm (2½") half tang filling knife. • 76mm (3") half tang scraper.
- Magnetic pick-up tool extends to 650mm.
- 150mm (6") linesman's plier.
- 125mm (5") snipe nose plier.
- 125mm (5") diagonal cutting nipper.
- 255mm (10") straight jaw grip wrench.
- Bradawl.
- 600 piece wall plug set.



51 PIECES

Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code SEN-595
51	7.0kg	-0520K

61 Piece Home Handyman Tool Kit

HHK61

Supplied in a robust toolbox c/w double latch.

Contents:

- Tool box with tote and wheels. • 8 piece fluted handle screwdriver set: flared 6mm stubby, 3 x 100mm and 8 x 200mm; parallel 3.2 x 75mm and 4 x 150mm; posidriv No.2 Stubby, No.1 x 75mm and No.2 x 100mm.
- 10 piece screwdriver bit set: 6mm quick release hex bit adaptor; flat 3, 4, 5, 6, and 8mm; crosspoint No.0, 1, 2 and 3mm.
- 18 piece wood, metal and masonry drill set 3, 4, 5, 6, 8 and 10mm bits. • IDH013 240V 13mm impact drill.
- 200mm (8") chrome vanadium adjustable spanner.
- 225mm (9") hi-vis magnetic boat level.
- 600mm (24") hi-vis girder section level.
- 19mm x 33m black PVC insulation tape.
- 150mm euro tester range 125/250V. • Adjustable telescopic 300mm diameter inspection mirror. • Magnetic pick-up tool extends to 650mm. • Bradawl. • 450g (16oz) claw hammer wood shaft. • 3m/10ft Senator hi-vis locking tape.
- 13 segment 9mm standard snap-off blade knife.
- Retractable trimming knife c/w 5 blades.
- Junior hacksaw frame c/w hardened blade.
- DIY hacksaw frame. • 177mm (7") plastic handled multi-purpose household scissors.
- 63mm (2½") half tang filling knife.
- 76mm (3") half tang scraper.
- 150mm (6") linesman's plier.
- 125mm (5") snipe nose plier.
- 125mm (5") diagonal cutting nipper.
- 255mm (10") straight jaw grip wrench.
- 22" x 8pts homesaw hand saw.

61 PIECES



Set contents may vary slightly according to product development and availability.

Number of Pieces	Weight each	Order Code SEN-595
61	16kg	-0540K

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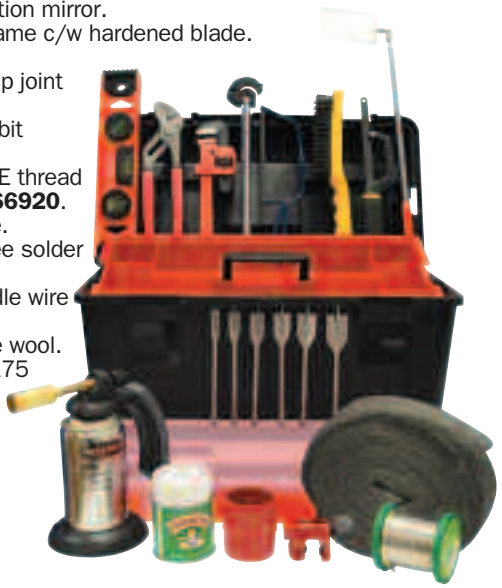
KENNEDY QUALITY INDUSTRIAL TOOLING 22 Piece Plumber's Kit

Supplied in a robust toolbox c/w double latch.

Contents:

- Tool box. • 255mm (10") stillson wrench.
- 3 - 22mm capacity tubing cutter.
- 3 - 41mm tube deburrer.
- 9.5 - 32mm basin wrench.
- 300mm girder section spirit level.
- Telescopic inspection mirror.
- Junior hacksaw frame c/w hardened blade.
- Pad saw.
- 255mm groove slip joint waterpump plier.
- 6 piece flat wood bit set 9.5 - 25mm.
- 12mm x 12m PTFE thread sealing tape to **BS6920**.
- 100g fluxite paste.
- Powerflow lead free solder 3.25mm 250g.
- 3 row plastic handle wire scratch brush.
- 450g grade 2 wire wool.
- Blow lamp and 2175 gas cartridge.

22 PIECES



Number of Pieces	Weight each	Order Code KEN-595
22		-4010K

KENNEDY PROFESSIONAL 29 Piece Pro-Torq Maintenance Tool Bag & Kit

Contents:

Electrician's tool bag (320 x 340 x 125mm).
2x small bits organiser cases. One tool board unique system to secure tools whilst in transit. 140mm (5½") autoload and lock knife - 13 segment snap-off blade. 165mm (6½") Pro-Torq diagonal nippers.
150mm (6") Pro-Torq snipe nose pliers with side cutter.
150mm (6") Pro-Torq combination pliers.
Six piece Pro-Torq screwdriver set: crosspoint No.1 x 75, No.2 x 100; flared 6.3 x 100, 8.0 x 200; parallel 5.0 x 75, 5.0 x 150mm.
Seven piece Pro-Torq precision screwdriver set: parallel tips 1.4, 2.0, 2.4 and 3.0mm; crosspoint tips PH0-3, PH0-2 and PH-0.
200mm (8") soft grip phosphate adjustable wrench.
Eight piece Pro-Torq hex wrench set on clip 1.5 - 8.0mm.

29 PIECES



Width (mm)	Depth (mm)	Height (mm)	Order Code KEN-595
320	125	340	-3440K

SENATOR QUALITY TOOLING 47 Piece Engineer's Workshop Tool Kit

- Six piece 16cm cut 2 assorted needle file set.
- 10x 12 x ½" x 18T all hard hacksaw blades.
- 8" (200mm) C/V adjustable spanner.
- 6" (150mm) stainless steel rule with pocket clip.
- Metric and inch feeler gauge, blade length: 60mm.
- 1lb ball pein hammer with hickory shaft.
- 16oz black rubber mallet with wooden shaft.
- 5m/16ft locking tape rule with chrome casing.
- 8 segment 18mm heavy duty snap-off blade knife.
- Retractable trimming knife. • 12" DIY hacksaw.
- 6" heavy duty snipe nose pliers with side cutter.
- 6" diagonal cutting nipper. • 7" linesman pliers.
- 10" multiple slip joint plier.
- 10" straight blade tinsnip.
- 10" straight jaw high strength grip wrench.
- 8 piece fluted handle screwdriver set.
- 7 piece 6 - 19mm drop forged open-ended spanner set.
- 21" five tray cantilever toolbox.

47 PIECES

Set contents may vary slightly according to product development and availability.



Number of Pieces	Weight each	Order Code SEN-595
47	6.4kg	-0700K

45 Piece Pro-Torq Maintenance Tool Roll Kit

Contents:

Tear-resistant tool roll (600 x 300mm). 140mm auto-load and lock knife - 13 segment snap-off blade. Telescopic magnetic pick-up tool extends to 550mm (22"). 150mm (6") Pro-Torq snipe nose pliers with side cutter. 165mm (6˝") Pro-Torq diagonal nippers.
Six piece Pro-Torq screwdriver set: crosspoint No.1 x 75, No.2 x 100; flared 6.3 x 100, 8.0 x 200; parallel 5.0 x 75, 5.0 x 150mm.
14 piece chrome vanadium combination spanner set 6 - 19mm.
Three piece offset screwdriver set: No.1 crosspoint x 3/16" parallel, No.2 crosspoint x ¼" parallel and No.3 crosspoint x 5/16" parallel.
Seven piece Pro-Torq precision screwdriver set: parallel tips 1.4, 2.0, 2.4 and 3.0mm; crosspoint tips PH0-3, PH0-2 PH-0.
200mm (8") soft grip phosphate adjustable wrench. Eight piece Pro-Torq hex wrench set on clip 1.5 - 8.0mm.

Group 534

45 PIECES



Width (mm)	Height (mm)	Order Code KEN-595
330	600	-3460K

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HAND TOOLS

SENATOR CYCLONE Cycle Work Stand

CWS152
Quick to set up, this fold-away cycle work stand has telescopic height adjustment, and plastic jaw clamps to securely grip the frame or seat post.

Specifications:
Construction: light alloy and tough ABS Plastic, rubber feet.
Dimensions: **closed:** 23 x 22 x 102cm,
open: 70 x 100 x 164cm.
Jaw opening: min: 25mm diameter, max: 75mm diameter.
Weight: 5.3kg.



Cycle not included



Product Number	Order Code SEN-595
CWS152	-4480K

15 Piece Cycle Repair Kit

This comprehensive kit is ideal for cycle repairs at home, comes in its own wallet and measures 90 x 200 x 40mm. Large than the multi tools but still small enough to carry in a ruck sack or pannier for those touring holidays.

Contents:
2x 'Y' box wrenches: 8, 9, 10mm and 12, 13 and 14mm.
150mm (6") adjustable wrench 20mm max. opening.
Hook spanner with 15 and 16mm open ended cone wrench.
Screwdriver handle: crosspoint No.1 and No.2.
Slotted bits: 4 and 6mm.
3x hex key wrenches: 4, 5, 6 and 8mm hex adaptor.
1x forged steel 'O' spoke adjuster: 10, 11, 12, 13, 14 and 15 G.E. 3x tyre levers.

15 PIECES



Number Of Pieces	Order Code SEN-595
15	-4460K

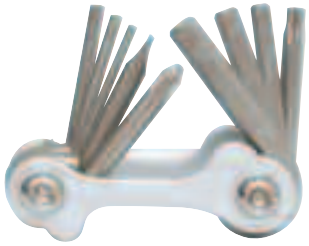


Cycle Multi-Tools

9-in-1

CMT091 - One of the smallest multi tools on the market. Comfortable in the hand, or in the pocket. It has chrome vanadium steel blades and a matt coated frame.

Includes: Hex keys, 2, 2.5, 3, 4, 5 and 6mm. Torx key T25.
No.1 crosspoint bit.
5mm slotted bit.



Product Number	Order Code SEN-595
CMT091	-4420K

CMT161 - Another very compact multi tool from **SENATOR CYCLONE** range with 16 useful chrome vanadium blades and chain rivet extractor.

Includes:
Hex keys: 2, 2.5, 3, 4, 5 and 6mm.
Adaptor for 8mm hex key.
1x 10mm spanner.
1.2mm and No.1 crosspoint bits.
1.2mm and 5mm slotted bits.
1x tyre lever.
2x spoke wrenches: 14 and 15 G.E. 1x chain rivet extractor.

16-in-1



Product Number	Order Code SEN-595
CMT161	-4400K

20-in-1 Cycle Multi-Tool & Pouch

Superb multi tool for almost every cycling emergency. Robust construction with chrome vanadium steel blades mounted in an attractive plastic and cast steel frame.

Includes:
Hex keys: 2, 2.5, 3, 4, 5, 6 and 8mm.
Ring spanners: 8, 9, 10, 12 and 14mm.
No.2 crosspoint bit.
5mm slotted bit.
2x tyre levers.
3x spoke wrenches: 3.22, 3.33 and 3.45mm.
1x chain rivet extractor.

20-in-1



Product Number	Order Code SEN-595
CMT221	-4430K

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NEW

KENNEDY PROFESSIONAL Tool Tethers, Lanyards & Accessories

Any Tool, Tether IT!

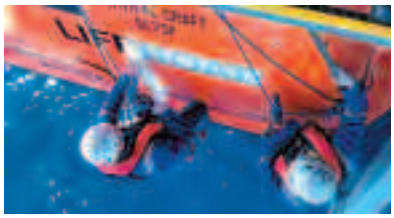
Dropped tools are a major cause of workplace injury and fatalities – most of which could be avoided with the correct tethering and use of tools. Safe use of tools at height begins with the tool tether, which acts as a secure attachment point for lanyards and ultimately tool belts and harnesses.

Utilising a patented system developed by Tool@rrest, a pioneering name in the field of tethered tools, Kennedy can Retr@fit almost all new and existing hand tools with a certified, statistically fail-safe tether. This means you can enjoy industry leading tether safety without buying new tools and Retr@fitting can be carried out on your site or in a factory setting in a matter of seconds.

And it doesn't stop there. Kennedy can now offer a complete solution to help prevent tools from falling, including securing of the tools-in-waiting (tools in the work belt or holster) and those in active use.







Lifting Buckets

Rugged, tested and large enough for multiple tools and applications. With eight internal carabiners stitched in to secure tools-in-waiting. 250mm diameter.

CE Certified with serial number for LOLER traceability.

TBB-34C
Standard bucket with open top.

TBB-34T
Toggle drawstring type - recommended for use in situations where untethered fasteners or sockets are being worked with. Closing the drawstring ensures that these loose items are prevented from falling in the event of a bucket tip or drop.

Safe working load: 34kg.



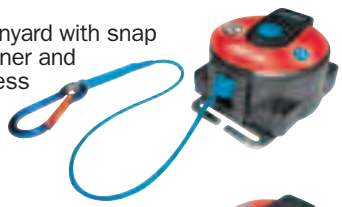
Product Number	Type	SWL	Order Code KEN-596
TBB-34C	Open Top	34kg	-1442B
TBB-34T	Toggle Closing		-1445E

Retr@ct 360 Retracting Lanyard

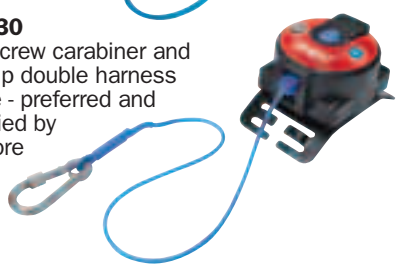
High-impact resistant polyamide casing. Self cleaning re-wind brake and release mechanism. 360° rotational capability. Patent pending. SP30 cord tensile strength 260kg.

Length: 1.2m (fully extended).
Maximum working capacity: 2.5kg.

TLR-135
Standard lanyard with snap hook carabiner and single harness buckle.



TLR-130
With screw carabiner and non-slip double harness buckle - preferred and specified by off-shore users

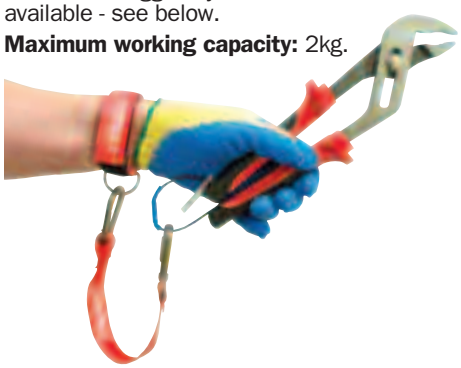


Product Number	Max. Working Capacity	Order Code KEN-596
TLR-135	2.5kg	-3020K
TLR-130	2.5kg	-3010K

Wrist Lanyards

Supplied complete with wrist wraps and swivel tail. Toggle style tails are also available - see below.

Maximum working capacity: 2kg.

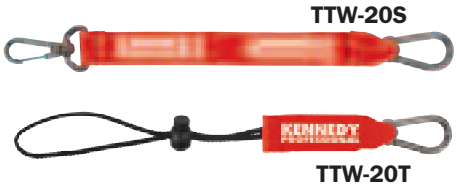


Product Number	Max. Working Capacity	Order Code KEN-596
TWS-20C	2kg	-1574D

Lanyard Tails

Wrist lanyard tails for use with Kennedy wrist wraps.

Maximum working capacity: 2kg.



Product Number	Max. Working Capacity	Order Code KEN-596
TTW-20S	2kg	-1544D
TTW-20T	2kg	-1546F

Power Tool WR@P

For use with Li-Ion and Ni-Cad 18V power tools only. High strength nylon webbing. Innovative, patent-pending design.

Maximum working capacity: 2.5kg.



Product Number	Max. Working Capacity	Order Code KEN-596
TPW-18L	2.5kg	-1506F

Quick Change Belt Loops

Snap-fit tool belt anchor point for securing tool lanyards.

Maximum working capacity: 2.5kg.

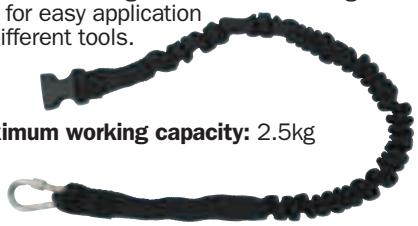


Product Number	Max. Working Capacity	Order Code KEN-596
TBL-25Q	2.5kg	-1452B

Quick Change Tool Lanyard

Stretchable cord surrounded by tubular polyester webbing. Available with a range of tails for easy application on different tools.

Maximum working capacity: 2.5kg

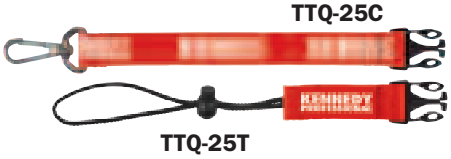


Product Number	Max. Working Capacity	Order Code KEN-596
TLE-1QC	2.5kg	-1482B

Quick Change Tool Lanyard Tails

For use with Kennedy quick change tool lanyard only.

Maximum working capacity: 2.5kg.



Product Number	Max. Working Capacity	Order Code KEN-596
TTQ-25C	2.5kg	-1524D
TTQ-25T	2.5kg	-1526F

Webbing Lanyards

100cm webbing lanyard. Durable polyester webbing construction. Complete with two stainless steel carabiners.

Maximum working capacity: 2.5kg.



Product Number	Max. Working Capacity	Order Code KEN-596
TLW-1C2	2.5kg	-1486F

HAND TOOLS

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KENNEDY PROFESSIONAL Meteor Hand Saws

550mm (22") hand saw with a high quality hardened and tempered steel blade with specially hardened teeth. Stays sharp longer. Fitted with a bi-material handle with fingerline for comfort and accuracy. Three ground edges per tooth. Cuts on back stroke. Designed to cut chipboard, blockboard, timber, plywood, hardboard, plasterboard, PVC and laminates.



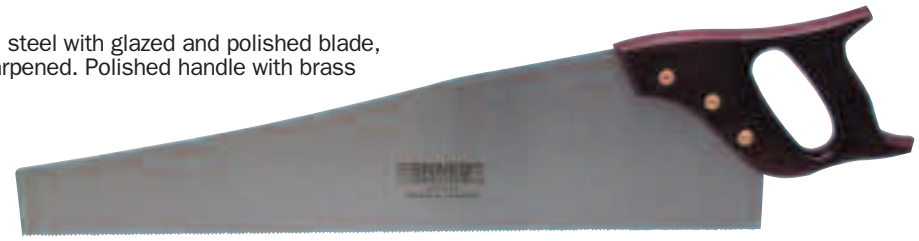
8 points per inch (7tpi)



Blade Length	Teeth Per Inch	Weight each	Order Code KEN-597
550mm (22")	7	540g	**-4900K**
550mm (22")	11	540g	**-4920K**

Professional Hand Saw

Superior quality skew back. Hardened and ground steel with glazed and polished blade, tensioned and fully sprung. Teeth are set and sharpened. Polished handle with brass screws. Supplied in wallet with tooth guard.
10 points per inch.



Blade Length	Teeth per inch	Order Code KEN-597
560mm (22")	9	**-4700K**

SITESAFE Hardpoint Hand Saw

Hardened and tempered blade. Designed to cut chipboard, blockboard, timber, plywood, hardboard, plasterboard and laminates. Specially hardened teeth to stay sharp longer. Tough handle with fingerline for comfort and accuracy. 8TPI.



Blade Length	Teeth per inch	Order Code SSF-597
560mm (22")	8	**-4780K**

Hardpoint Veneer Saw

For cutting veneers, and sheet materials. Curved end allows cutting up to skirts and corners. Set and sharpened teeth. High impact moulded plastic handle. Hardened and tempered spring steel blade. 14TPI.
15 points per inch.



Blade Length	Teeth per inch	Order Code SSF-597
330mm (13")	14	**-5620K**

KENNEDY Folding Saw Horse - Twin Pack

The Kennedy Saw Horse is designed for supporting wooden planks and boards and is recommended for use in pairs. It has spreader bars for extra stability and features a support bar on the top with metric and inch scale and end stops to secure the workpiece in place. Folds flat for easy transportation and storage.

- Non-slip rubber inserts, prevent work piece slipping.
- Folds flat for easy transportation and storage.
- Suitable for on site and workshop use.
- Rated to 100kg per pair.
- Metric and inch scale on the top.
- Waterproof.

Dimensions - open (L x W x H):
52 x 61 x 79.5 cm.
Dimensions - closed (L x W x H):
5.5 x 61 x 82.5 cm.



Max Load per pair	Order Code KEN-597
100kg	**-8140K**

KENNEDY Masonry Saws

Hardened and tempered steel blades with carbide teeth.

Light Concrete Saw
Suitable for cutting cement based building blocks. 17 tungsten carbide tips on alternate teeth.

Masonry Saw
Suitable for cutting man made building blocks, bricks, slate and cement. 35 tungsten carbide teeth.

Heavy Duty



Medium Duty



Type	Blade Length	Teeth per inch	Weight each	Order Code KEN-597
Medium	622mm	17	1.10kg	**-5720K**
Heavy	490mm	35	1.20kg	**-5740K**

Hardpoint Tenon Saw

Has file sharpened teeth with plain hardened cutting edges. Impact resistant handle. High quality.
13 points per inch.



Blade Length	Weight Per 10	Order Code KEN-597
250mm (10")	3.8kg	**-4620K**

Professional Tenon Saw

Manufactured from hardened and ground steel with glazed and polished blade, tensioned and fully sprung. Highly polished brass back and handle. Supplied in wallet with tooth guard.
15 points per inch.



Blade Length	Weight Per 10	Order Code KEN-597
250mm (10")	6.0kg	**-4600K**

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KENNEDY
QUALITY INDUSTRIAL TOOLING

Flexi Flush Cutting Saw

Suitable for precise cutting in confined areas or around obstructions. Flexible alloy steel blade, which cuts on the pull stroke. Polished rosewood handle with brass ferrule. 20TPI.



Blade Length	Weight each	Order Code KEN-597
155mm (6")	120g	-5520K

Mini Gent's Saws

Suitable for light duty precise cutting. Narrow blade width allows use in confined areas. Polished rosewood handle with brass ferrule.

Blade width: 40mm (1½").



Blade Length	Weight each	Order Code KEN-597
150mm (6")	160g	-5560K

Reversible Gent's Saw

Suitable for flush cutting in the most awkward corners on the left or right hand side. Reversible offset alloy steel blade cranked and polished with rigid back. Rosewood handle with brass ferrule. 15TPI.



Blade Length	Weight each	Order Code KEN-597
250mm (10")	305g	-5400K

Steel Back Gent's Saws

Suitable for precise flush cutting. Sprung alloy steel blade with rigid steel back, polished rosewood handle and brass ferrule.

Blade width: 60mm (2¼").



Blade Length	Weight each	Order Code KEN-597
200mm (8")	200g	-5480K

Pad Saw

Heavy-duty foam grip for maximum comfort. Accepts ½" deep hacksaw blades. Suitable for use in areas of awkward access.



Overall Length	Weight each	Order Code KEN-538
210mm (8¼")	130g	-1000K

Pad Saw

For use in confined spaces.



Blade Length	Weight each	Order Code KEN-597
230mm (9")	140g	-5270K
Spare Blade		-5280K

Plasterboard Saw

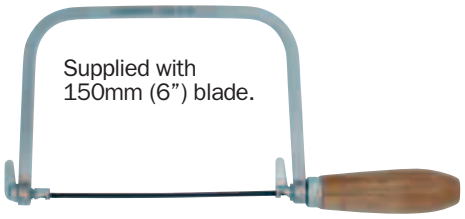
Suitable for rapidly cutting holes in plasterboard. Hardened and tempered carbon steel blade with polished rosewood handle and brass ferrule. 7TPI.



Blade Length	Weight each	Order Code KEN-597
150mm (6")	105g	-5660K

Coping Saw

For cutting and shaping in wood. Steel frame and comfortable wooden handle.



Overall Length	Weight each	Order Code KEN-538
290mm	200g	-2100K

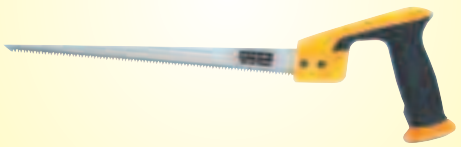
Spare Coping Saw Blades (to suit above):

Teeth per inch	Pack Quantity	Order Code KEN-040
14	10	-1020K

SITESAFE

Hardpoint Compass Saw

Flexible spring blade. Set and sharpened teeth. High impact moulded plastic handle. For cutting apertures and curves in a wide range of materials. Can also be used as a pruning saw.

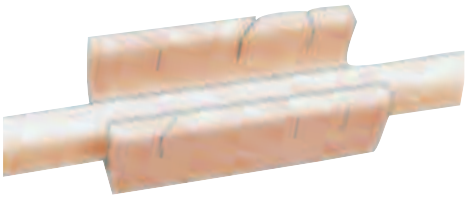


Blade Length	Teeth per inch	Order Code SSF-597
300mm (12")	8	-5340K

Beechwood Sawing Blocks

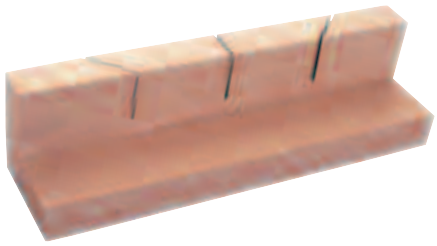
Mitre box and block pre-cut at 45° and 90°.

Mitre Box



Internal Size (mm)	Order Code KEN-597
230 x 76	-6090K

Mitre Block



Internal Size (mm)	Order Code KEN-597
230 x 76	-6190K

Bench Hook

Manufactured from the quality beech wood. Hooks into the edge of the bench allowing the workpiece to be held firmly against one end whilst cutting or marking out. Universal - left and right handed.

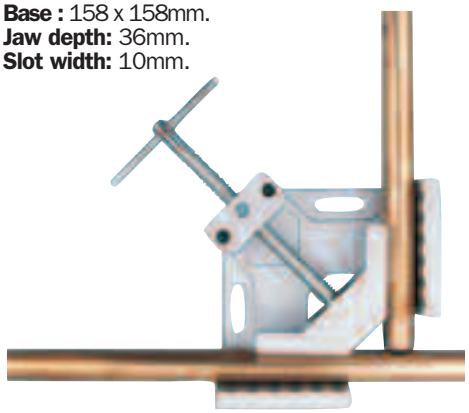


Internal Size (mm)	Order Code KEN-597
230 x 150	-6290K

Corner Clamp

Ideal for use with wood, angle and tubing. Clamping jaws swivel to accept various widths. Die cast aluminium body with bench mounting.

Base : 158 x 158mm.
Jaw depth: 36mm.
Slot width: 10mm.



Maximum Clamping	Weight each	Order Code KEN-597
70 x 70mm	1.40kg	-6000K

HAND TOOLS

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Using Your Plane

- Always hold the plane firmly to ensure optimum balance and control. Ensure the workpiece is secure and stand behind the plane - never pull a plane towards your body.
- When planing end-grain, plywood, blockboard or difficult/curly grain, the direction of the cut is extremely important. A 'slice' action is advised or splitting may occur. This is achieved by holding the plane at an angle as shown.
- Splitting can generally be prevented in several ways:

1) By planing towards the centre of the workpiece
2) Bevel the corner of the workpiece before planing
3) Clamp scrap wood level with the edge of the surface being planed and plane it straight across.







Maintaining Your Plane

- A plane is a precision tool, therefore it should always be treated with care. Always store the plane on its side – this will avoid unnecessary damage to the blade.
- Always sharpen the blade before use. This will make it easier, and safer to use and produce a superior surface finish.
- Before sharpening the blade take the blade out of the plane and remove the cap iron. Always lay the blade cap iron flat on a firm surface before taking out the screw.
- Sharpen your blade using an oilstone. Best results are achieved by using a honing guide - this will give the ideal angle at the cutting edge of the blade.
- Use machine oil to keep the surface of the stone wet but remove excess before use. This is to prevent dust and metal particles from clogging the stone.
- Remove any burrs by laying the front of the blade flat on the oilstone and work it in a "figure-eight" motion.
- Painted surfaces should be sanded or stripped back before planing in order to avoid clogging of the blade and damage to the timber.
- Never plane over nails, this will damage the blade.
- Always wipe the blade with a cloth before replacing it.
- Candle wax applied to the sole of the plane may reduce friction, especially on freshly cut timber.

SENATOR QUALITY TOOLING Block Plane

No. 200

Suitable for any single handed operation in particular for end-grain work. The low angle plane cutter ensures minimal vibration giving an excellent finish on many man made materials such as plastic laminates. Adjustable 40mm width steel cutting blade with ground base and sides for smooth planing. Large screw for accurate adjustments. Cast iron body with adjustable cutter depth and alignment.



Model Number	Length (mm)	Iron Width	Weight each	Order Code SEN-597
200	178	41mm	0.80kg	-0990K

Smoothing Plane

No. 4

Used for general purpose smoothing and final finishing. Featuring a robust level cap designed to lock down on three points for secure location of the cutting iron. High performance carbon steel blade, hardened and tampered to retain a keen cutting edge to cut even the hardest of woods. Impact resistant ABS resin handle and knob are extremely robust and contoured to fit comfortably in the hand, for maximum control and reduced user fatigue. Suitable for single and two handed operations. Traditional adjusting nut for fine setting.



Model Number	Length (mm)	Iron Width	Weight each	Order Code SEN-597
4	247	51mm	1.93kg	-0940K

Jack Plane

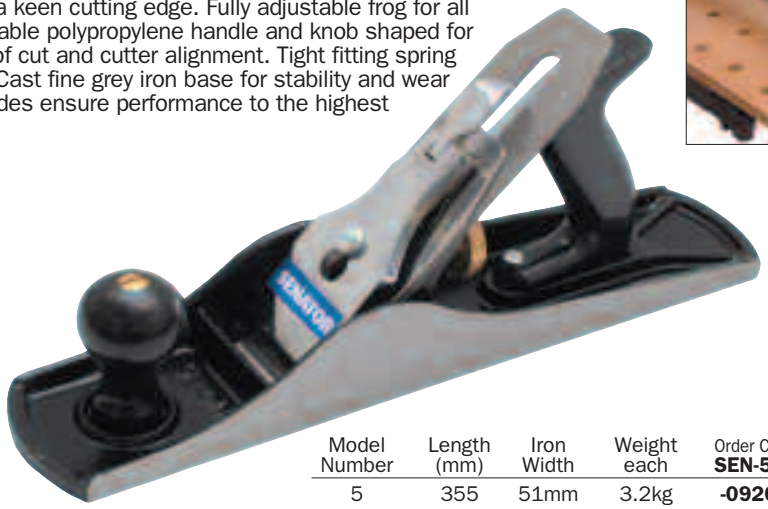
No. 5

Fully adjustable metal plane for stock removal and truing up long edges or levelling wide boards. Kidney shaped lever cap screw hole prevents accidental slippage of cutter. High performance carbon steel blade. hardened and tampered to retain a keen cutting edge. Fully adjustable frog for all tasks and timber types. Virtually unbreakable polypropylene handle and knob shaped for comfort. Finger tip adjustment for depth of cut and cutter alignment. Tight fitting spring steel cap iron for optimum shaving flow. Cast fine grey iron base for stability and wear resistance. Precision ground base and sides ensure performance to the highest tolerances.









Model Number	Length (mm)	Iron Width	Weight each	Order Code SEN-597
5	355	51mm	3.2kg	-0920K

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KENNEDY QUALITY INDUSTRIAL TOOLING

Surface Forming Tools

With tough enamelled alloy bodies and high carbon heat treated steel blades.

Flat File - Straight Handle For straight filing with flat blade as standard. Plastic handle.
Blade length: 255mm.
Blade width: 40mm.
Overall length: 395mm.



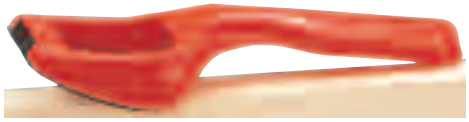
Plane
For conventional plane type filing. With flat blade as standard. Black plastic handle.
Blade length: 255mm.
Blade width: 40mm.
Overall length: 285mm.



Block Plane For single handed use, giving compactness and precision filing.
Blade length: 140mm.
Blade width: 40mm.
Overall length: 140mm.



Shaver Tool With plastic holder.
Blade length: 63mm.
Blade width: 40mm.
Overall length: 185mm.



Round File - Straight
For convex and concave surface shaping. Wooden handle.
Blade length: 255mm. **Blade width:** 16mm. **Overall length:** 360mm.



Tool Style	Blade Length	Blade Width	Overall Length	Weight each	Order Code KEN-597
Flat File	255mm	40mm	395mm	400g	**-1010K**
Plane	255mm	40mm	285mm	400g	**-1070K**
Block Plane	140mm	40mm	140mm	130g	**-1110K**
Shaver Tool	63mm	40mm	185mm	60g	**-1150K**
Round File	255mm	16mm	360mm	125g	**-1240K**

Replacement Blades

To Suit	Blade Type	Weight each	Order Code KEN-597
Flat File or Plane	Flat	40g	**-2020K**
	Half-Round	40g	**-2040K**
Block Plane	Flat	30g	**-2060K**
Shaver Tool	Curved	10g	**-2080K**
Round File	Round	40g	**-2100K**

Cabinet Scraper Set

For fine surface finishing of intricate contour surfaces. Used to manually remove small amounts of material and excels in tricky grain areas where hand planes would cause tear out. They will stand up to any heavy-duty scraping task with minimum tear out. For best results, these scrapers should be burnished to a razor sharp edge.







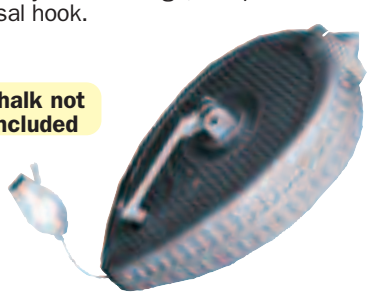
3 PIECES

Number of Pieces	Weight Set	Order Code KEN-597
3	170g	**-7400K**

Chalk Lines

Aluminium Alloy Case
With foldaway locking handle.
Heavy-duty robust design, complete with universal hook.

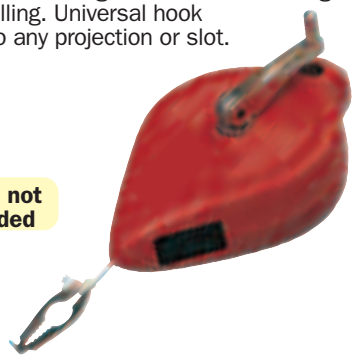
Chalk not included



Line Length	Weight per 12	Order Code KEN-597
30m	2.90kg	**-7300K**

Die Cast Zinc Alloy Case
With a red satin finish. Complete with folding locking handle. Felt gasket distributes uniform chalk coating onto line. With sliding hatch for filling. Universal hook attaches to any projection or slot.

Chalk not included



Line Length	Weight per 6	Order Code KEN-597
30m	2.30kg	**-7320K**

Chalk Line Refills - Large

Suitable for all chalk lines. Good colour fastness and weather resistance. Supplied in squeezable bottle.
Available in three colours:
Blue for general use externally and internally.
Red for exterior masonry work indelible in use.
White for interior use such as fixing a dado rail.



250gm NOW AVAILABLE

Colour	Weight each	Order Code KEN-597
Blue	100g	**-7330K**
Red	100g	**-7340K**
White	100g	**-7350K**
Blue	250g	**-7370K**
Red	250g	**-7380K**
White	250g	**-7390K**

HAND TOOLS

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SENATOR QUALITY TOOLING

Turning Tool Set

Contents: three straight gouges, two skew chisels, one V-parting tool, one round nose and one diamond point. HSS steel blades. All supplied in a wooden presentation case.
Blade length: 125mm.
Handle length: 250mm.

8 PIECES



Number of Pieces	Weight each	Order Code SEN-597
8	2.25kg	-3940K

Wood Carving Tool Set

Contents: four straight gouges, two square chisels, two skew chisels, two V-parting tools, one veiner and one spoon bit. Alloy steel blades. All supplied in a quality wooden presentation case.
Blade length: 110mm.
Handle length: 95mm.

12 PIECES



Number of Pieces	Weight each	Order Code SEN-597
12	1.30kg	-3960K

KENNEDY QUALITY INDUSTRIAL TOOLING

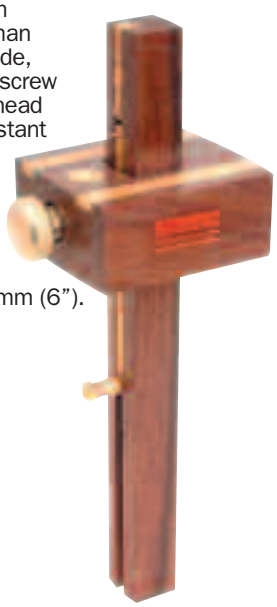
Marking & Mortice Gauges

Beechwood Marking Gauge
For marking wood and laminate parallel to edge, prior to cutting, sawing or chiselling.
With plastic thumbscrew.
Capacity: 0 - 150 (6").



Gauge Type	Weight per 12	Order Code KEN-597
Marking	1.7kg	-6600K

Rosewood Mortice Gauge
Manufactured from rosewood. Craftsman quality with pull slide, brass adjustment screw and brass plated head which is wear resistant and improves accuracy. Fitted with a single and a double spur for marking out mortices.
Capacity: 0 - 150mm (6").



Gauge Type	Weight per 12	Order Code KEN-597
Mortice	1.7kg	-6650K

Bevel Edge Wood Chisels

Craftsman
Hammer-blow resistant handles. For craftsmen and joiners. Designed to give a lifetime of high performance. Chrome vanadium alloy blades, hardened, tempered, ground and polished. 'CAB' (Cellulose Acetate Butyrate handles).



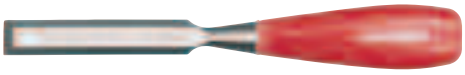
Blade mm	Width Inch	Weight per 12	Order Code KEN-597
6	1/4"	1.90kg	-2800K
10	3/8"	2.20kg	-2820K
13	1/2"	2.35kg	-2840K
16	5/8"	2.50kg	-2860K
19	3/4"	2.60kg	-2880K
25	1"	3.00kg	-2900K
38	1 1/2"	3.85kg	-2940K

Set



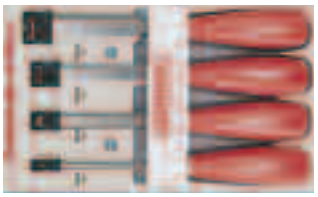
No. of Pieces	Contents	Weight each	Order Code KEN-597
4	6, 13, 19, & 25mm	880g	-2980K

Professional
'Classic' pattern. For professional carpenters.



Blade mm	Width Inch	Weight per 12	Order Code KEN-597
6	1/4"	1.90kg	-2160K
10	3/8"	2.10kg	-2240K
13	1/2"	2.20kg	-2320K
16	5/8"	2.40kg	-2400K
19	3/4"	2.50kg	-2480K
25	1"	2.80kg	-2640K
38	1 1/2"	3.70kg	-2680K

Set

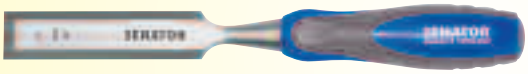


No. of Pieces	Contents	Weight each	Order Code KEN-597
4	6, 13, 19, & 25mm	800g	-2970K

SENATOR QUALITY TOOLING

Carpenter's Chisel Set

Made from quality materials and complete with its own canvas storage wallet. Bevel edged chrome vanadium blades, hardened, tempered, ground and polished. Comfortable bi-material handles with impact resistant end caps.



Contents: 6mm (1/4"), 13mm (1/2"), 19mm (3/4") and 25mm (1") chisels.

4 PIECES

Number of Pieces	Order Code SEN-597
4	-2970K



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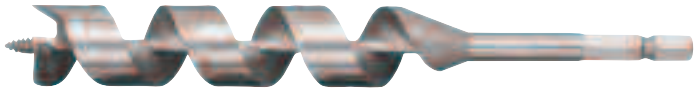
KENNEDY Auger Bits

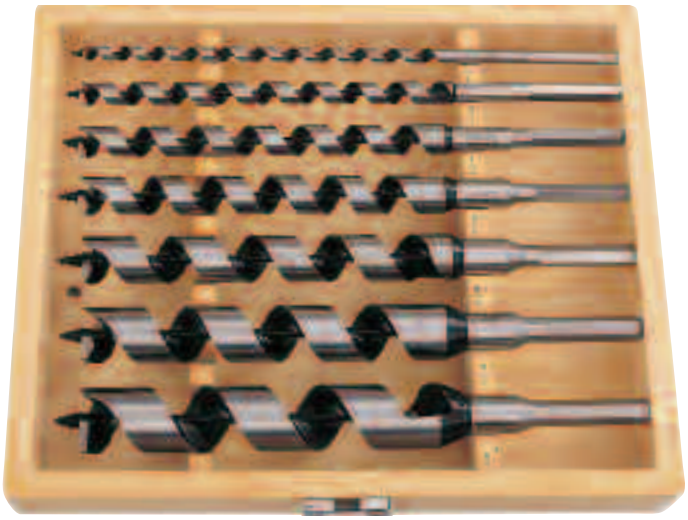
American pattern with solid single twist. Spur point and hexagon shank for use with hand and power tools.



Cutting Dia. (mm)	(Inch)	Overall Length (mm)	Weight each	Order Code KEN-597
			6mm Hexagon Shank	
6	1/4"	230	60g	**-3030K**
			7mm Hexagon Shank	
9	3/8"	230	40g	**-3070K**
13	1/2"	230	130g	**-3110K**
16	5/8"	230	110g	**-3150K**
			8mm Hexagon Shank	
19	3/4"	230	240g	**-3190K**
			9mm Hexagon Shank	
22	7/8"	230	300g	**-3230K**
25	1"	230	260g	**-3280K**

Boxed Set
Set contents: 6, 9, 13, 16, 19, 22 and 25mm.

7 PIECES



Number of Pieces	Weight each	Order Code KEN-597
7	860g	**-3300K**

SENATOR QUALITY TOOLING Forstner Bits

For precision hole boring. Self piloting point combined with trepanning style cutting action will produce overlapping holes in any direction. Ideal for scroll and scalloping applications. Suitable for use in bench and pillar drills to bore a wide range of timber, plastics and other materials.

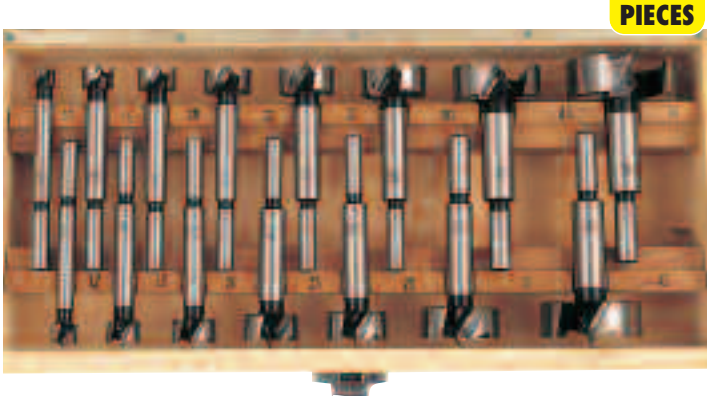


Diameter (mm)	Overall Length (mm)	Weight each	Order Code SEN-597
10	90	45g	**-5100K**
12	90	45g	**-5120K**
15	90	60g	**-5150K**
16	90	65g	**-5160K**
18	90	65g	**-5180K**
20	90	70g	**-5200K**
22	90	70g	**-5220K**
25	90	90g	**-5250K**
26	90	90g	**-5260K**
28	90	95g	**-5280K**
30	90	105g	**-5300K**
35	90	120g	**-5350K**
40	90	165g	**-5400K**
45	90	180g	**-5450K**
50	90	200g	**-5500K**

Boxed Sets
Contents:
5 Piece: 1x each 15, 20, 25, 30 and 35mm.
15 Piece: 1x each 10, 12, 15, 16, 18, 20, 25, 26, 28, 30, 35, 40, 45 and 50mm.

5 PIECES

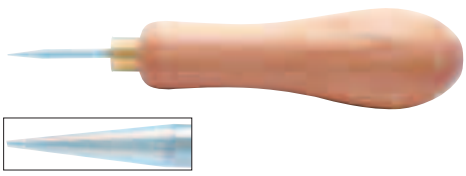
15 PIECES



Number of Pieces	Weight each	Order Code SEN-597
5	0.70g	**-5650K**
15	2.30g	**-5670K**

Marketry Punch

Beechwood handle, for piercing holes in veneer and thin wood.



Length x Diameter	Weight each	Order Code KEN-597
65 x 3mm	25g	**-7250K**

Tacklifter

Beechwood handle, V-cut.



Length	Weight each	Order Code KEN-597
195mm	100g	**-7150K**

Adjustable Hole Cutter

For use on metal, wood, plastics, laminates and leather etc. Cutting diameter can be infinitely varied within range. Graduated scale with locking screw. For use in three jaw chucks (6.4mm shank).

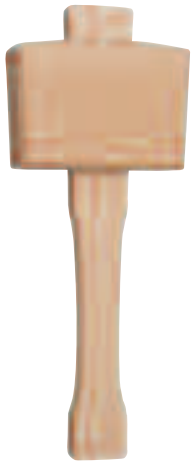
Maximum cutting thickness:
metal 2mm, wood 8mm.
Overall length: 95mm.
Cutting range: 20 - 76mm.



Weight per 6	Order Code KEN-597
950g	**-4520K**

Beechwood Mallet

Traditional carpenter's pattern.



Head Size	Weight each	Order Code KEN-597
114mm (4 1/2")	520g	**-6450K**

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SENATOR QUALITY TOOLING 162 Piece Power Bit Set

The Senator® multi-purpose power tool bit set contains a truly comprehensive range of the most commonly used screwdriver bits, nut spinners, Torx bits, drills and adaptors that are suitable for use with hand and power tools. They are supplied in a moulded plastic carry case that has individual storage slots for each piece to ensure you can locate the bit you require easily.

This 162 Piece Senator® Power Bit Set contains:
32x 25mm (1”): screwdriver sits consisting of: slotted: 4mm, 5mm (x3), 6mm (x3), 7mm; crosspoint: 0, 1 (x3), 2 (x3): 3x square: S1, S2, S3; hex: 4, 5, 6mm; pozi: No.1, No.2 and No.3; torx: T10, T15, T20, T25, T27, T30 and T40.
24x 5mm (2”) screwdriver bits consisting of: slotted: 5mm (x3), 6mm (x3); Phillips: 1, 2, 3; torx: T10 (x2), T15 (x2), T20 (x2), T25 (x2); 18x nut driver bts consisting of: 3/16”, 7/32”, 1/4”, 9/32”, 5/16”, 11/32”, 3/8”, 7/16” and 1/2”;
5x 30mm (12”) extra length masonry drills: 4, 5, 6, 8 and 10mm; 11x standard length masonry drills: 3mm (x2), 4mm (x2) 5mm (x2) 6mm (x2), 8mm (x2) and 10mm; 1x screw finder 9x flat wood bits: 10, 11, 12, 14, 16, 18, 20, 22 and 25mm; 17x woodworking drills: 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5 and 10mm; 5x holesaw with mandrel: 32mm, 38mm, 44mm and 54mm diameter; 1x ruler; 1x centre punch; 1x ratcheting bit driver; 4x drill bit depth stop: 5mm, 6mm, 8mm, and 10mm; 1x countersink; 1x carpenter’s pencil.
Dimensions: (W x D x H): 455 x 178 x 297mm.
Gross weight: 3.4kg.
Overall dimensions (W x H x D): 455 x 178 x 297mm.



Number of Pieces	Weight each	Order Code SEN-595
162	3.4kg	-3180K

KENNEDY Flat Bits

Forged from high quality tool steel with chip clearance groove and hollow ground point. Centerless ground and true running. Ground spade bit head. For cutting holes in laminates and wood. 6mm hexagon shank to prevent slipping at speed.



Cutting Dia. mm	inch	Overall Length	Weight each	Order Code KEN-597
9	3/8”	160	50g	-4070K
13	1/2”	160	50g	-4110K
16	5/8”	165	55g	-4150K
19	3/4”	170	55g	-4190K
22	7/8”	170	60g	-4230K
25	1”	170	60g	-4280K
32	1 1/4”	170	60g	-4290K

Flat Bit Set
Supplied in wallet.

Contents:
9 (3/8”), 13 (1/2”), 6(5/8”), 19 (3/4”), 22 (7/8”) and 25mm (1”).

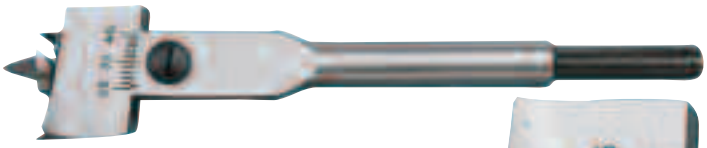


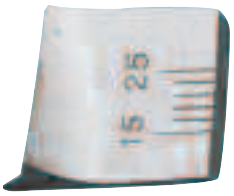
6 PIECES

Number of Pieces	Weight each	Order Code KEN-597
6	280g	-4300K

Adjustable Flat Bits

For cutting holes in wood, plastics etc. Cutting diameter can be infinitely varied within range. Graduated scale with locking screw. For use in three jaw chucks. 9.6mm hexagon shank.
Overall length: 170mm.

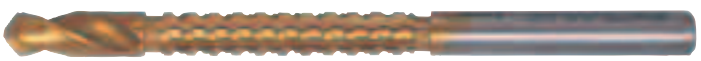




Cutting Range	Weight Per 12	Order Code KEN-597
25 - 45mm	1.8g	-4400K
40 - 76mm	2.8g	-4450K

SENATOR QUALITY TOOLING Sidewinder Drills

Titanium nitride (TiN) coated for increased tool life and performance. Standard 118° drill point. 6mm shank diameter suitable for use in electric and air powered drills. The side cutting teeth allow the drill to be used for producing any size or shape of hole in wood or plastic.





Diameter (mm)	Overall Length	Weight each	Order Code SEN-597
6	90mm	150g	-7500K
8	97mm	150g	-7550K

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KENNEDY QUALITY INDUSTRIAL TOOLING

Hand Drill



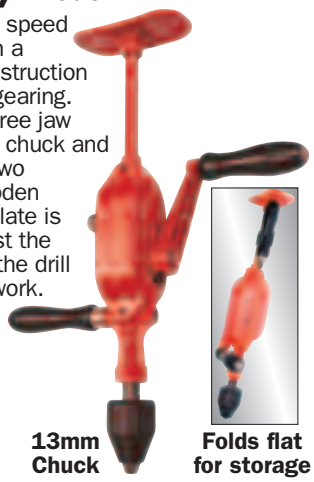
Double pinion drill with die cast body and three jaw keyless chuck. Plastic handle with plastic grips and screw top, for bit storage. Used for small drilling operations.



Overall Length	Weight per 6	Order Code KEN-597
215mm	2.80kg	-0600K

Heavy-Duty Breast Drill

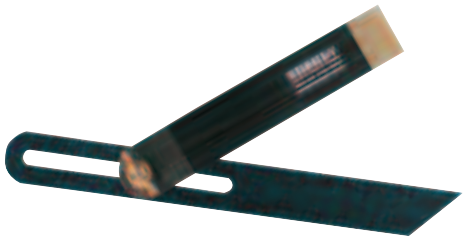
Heavy-duty two speed breast drill with a heavy cast construction and enclosed gearing. Fitted with a three jaw keyless 13mm chuck and supplied with two removable wooden handles. The plate is pressed against the chest to force the drill point into the work.



Overall Length	Weight each	Order Code KEN-597
330mm	1.10kg	-0640K

Sliding Bevels

Used for marking regular and irregular angles. The 9" sliding steel blade can be locked into any position using the brass thumbscrew. Rosewood stock with brass tips for greater wear resistance.



Head Size	Weight Per 12	Order Code KEN-597
190mm	1.95kg	-6750K
230mm	2.20kg	-6790K

Try & Mitre Squares

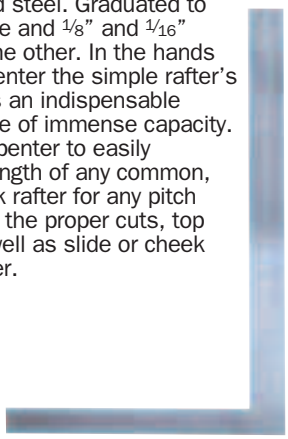
Used for marking out right angles and testing squareness. Rosewood stock with brass face for greater wear resistance. Blades are manufactured from hardened steel, and secured by steel washers with brass rivets. Solid rosewood stock with solid brass facing securely fixed to the stock provides a hard wearing contact edge.



Head Size	Weight Per 12	Order Code KEN-597
150mm (6")	2.90kg	-6860K
230mm (9")	3.80kg	-6890K

Rafter's Square

Manufactured from hardened and tempered ground steel. Graduated to 2mm on one side and 1/8" and 1/16" increments on the other. In the hands of a skilled carpenter the simple rafter's square becomes an indispensable calculating device of immense capacity. Enabling the carpenter to easily determine the length of any common, hip, valley or jack rafter for any pitch of roof. To make the proper cuts, top and bottom as well as slide or cheek cuts for any rafter.



Body Length	Tongue (mm)	Weight per 12	Order Code KEN-597
610mm	406	11.1kg	-6950K

Angle Finder - Magnetic Base

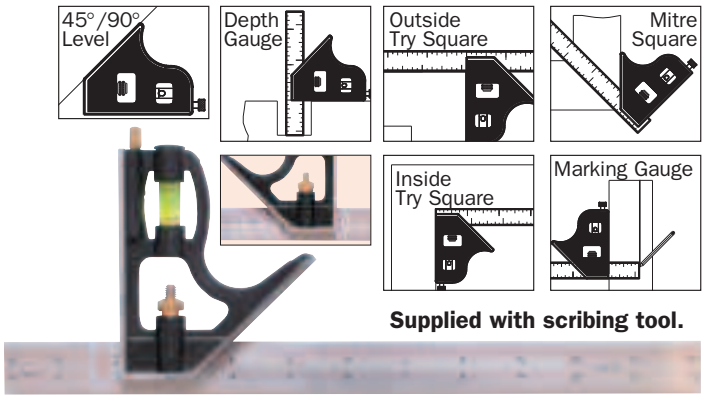
Can be used independently as a 'quick check' tool or to convert a rule or square into a precision angle finder. High strength built-in ceramic magnet with vee groove for use on bars and pipes.
Accuracy: ±0.5%.
For the most accurate readings it is recommended that the angle finder is attached to a steel rule or square by means of the magnet or screws.



Dial Reading	Order Code KEN-597
0-90° (Any Quadrant)	-7500K

Combination Squares

Multi-functional. Can be used as try square, mitre square, depth gauge, spirit level, marking gauge, height gauge and rule. Supplied with scribing tool. Diecast aluminium alloy head with the 6" rule and diecast zinc alloy head with the 12" rule. Precision rolled blades.

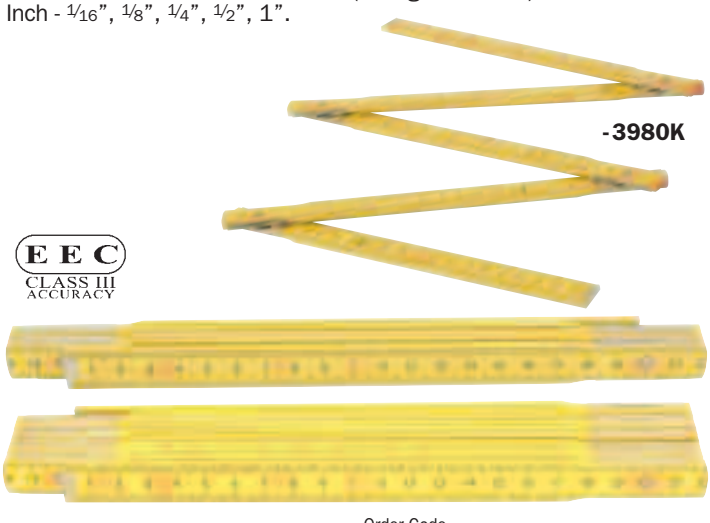


Supplied with scribing tool.

Blade Length	Weight Per 5	Order Code KEN-597
150mm/6"	2.80kg	-7060K
300mm/12"	2.80kg	-7120K
Spare Lock Nut & Mandrel for 12"		-7132K
Spare Scriber for 6"		-7134K
Spare Scriber for 12"		-7136K

Beechwood Folding Rules

Made from beechwood for strength and flexibility and painted bright yellow. Metric and inch graduations, large, clear and deep for increased life and easy reading.
Sizes available: 1m x 5 folds: 2m x 10 folds.
Graduations: Metric - mm and cm (cm figures in red)
Inch - 1/16", 1/8", 1/4", 1/2", 1".



Size	Order Code KEN-518	
1m x 5 folds	-3980K	N/A
2m x 10 folds	-3990K	N/A

HAND TOOLS

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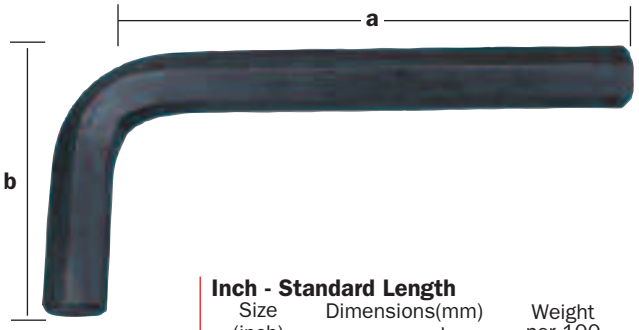
KENNEDY Hexagon Key L-Wrenches

Manufactured from fully hardened carbon steel in accordance with **DIN ISO 2936** ensuring a quality ductile key with precision square cut ends and accurate AF dimensions to ensure full socket contact. Black finish.



METRIC

HEXAGON

Metric - Standard Length

Size (mm)	Dimensions(mm) a	b	Weight per 100	Order Code KEN-601
1.5	46.0	15.0	0.95kg	**-1150K**
2.0	52.0	18.0	1.93kg	**-1200K**
2.5	58.0	20.0	3.36kg	**-1250K**
3.0	66.0	23.0	5.52kg	**-1300K**
4.0	74.0	29.0	11.4kg	**-1400K**
5.0	85.0	33.0	20.4kg	**-1500K**
6.0	96.0	38.0	33.3kg	**-1600K**
7.0	102.0	41.0	48.5kg	**-1700K**
8.0	108.0	44.0	67.4kg	**-1800K**
10.0	122.0	50.0	119kg	**-2100K**
12.0	137.0	57.0	194kg	**-2120K**
14.0	154.0	70.0	305kg	**-2140K**
17.0	177.0	80.0	517kg	**-2170K**
19.0	199.0	89.0	723kg	**-2190K**
22.0	222.0	102.0	1092kg	**-2220K**
24.0	224.0	90.0		**-2240K**
27.0	250.0	100.0		**-2270K**
32.0	315.0	125.0		**-2320K**

INCH

HEXAGON

Inch - Standard Length

Size (inch)	Dimensions(mm) a	b	Weight per 100	Order Code KEN-601
0.028"	33	7	0.07kg	**-0010K**
0.035"	33	11	0.08kg	**-0020K**
0.050"	41	13	0.11kg	**-0030K**
1/16"	47	16	0.16kg	**-0040K**
5/64"	52	18	0.21kg	**-0050K**
3/32"	58	20	0.32kg	**-0060K**
7/64"	66	23	0.42kg	**-0070K**
1/8"	66	23	0.58kg	**-0080K**
9/64"	72	26	0.77kg	**-0090K**
5/32"	74	29	1.00kg	**-0100K**
3/16"	85	33	1.50kg	**-0120K**
7/32"	91	36	2.16kg	**-0140K**
1/4"	96	38	3.20kg	**-0160K**
5/16"	108	44	4.30kg	**-0200K**
3/8"	122	50	9.20kg	**-0240K**
7/16"	130	53	13.50kg	**-0280K**
1/2"	145	63	19.40kg	**-0320K**
9/16"	154	69	27.00kg	**-0360K**
5/8"	176	76	36.00kg	**-0400K**
3/4"	199	89	62.00kg	**-0480K**
7/8"	222	102	92.00kg	**-0560K**
1"	275	125	128.00kg	**-0640K**

Hexagon Key Walleted Sets

Metric - 9 Piece Set Contents:
1.5 x 45, 2 x 50, 2.5 x 56, 3 x 63, 4 x 70, 5 x 79, 6 x 90, 8 x 100 and 10 x 112mm.

Inch - 10 Piece Set Contents:
1/16" x 1 3/4", 5/64" x 1 7/8", 3/32" x 2", 1/8" x 2 1/4", 5/32" x 2 1/2", 3/16" x 2 3/4", 7/32" x 3", 1/4" x 3 1/4", 5/16" x 3 3/4" and 3/8" x 4 1/4".



HEXAGON

Number of Pieces	Weight each	Order Code KEN-601
9 (mm)	300g	**-2970K**
10 (inch)	290g	**-0970K**

Key Ring Sets

HEXAGON

Metric - 8 Piece Set Contents:
1.5, 2, 2.5, 3, 4, 5, 5.5 and 6mm.

Inch - 8 Piece Set Contents:
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" and 1/4".

8 PIECES



Number of Pieces	Weight each	Order Code KEN-601
8 (mm)	120g	**-2980K**
8 (inch)	110g	**-0980K**

Metric/Inch Hexagon Key Set - 20 Piece

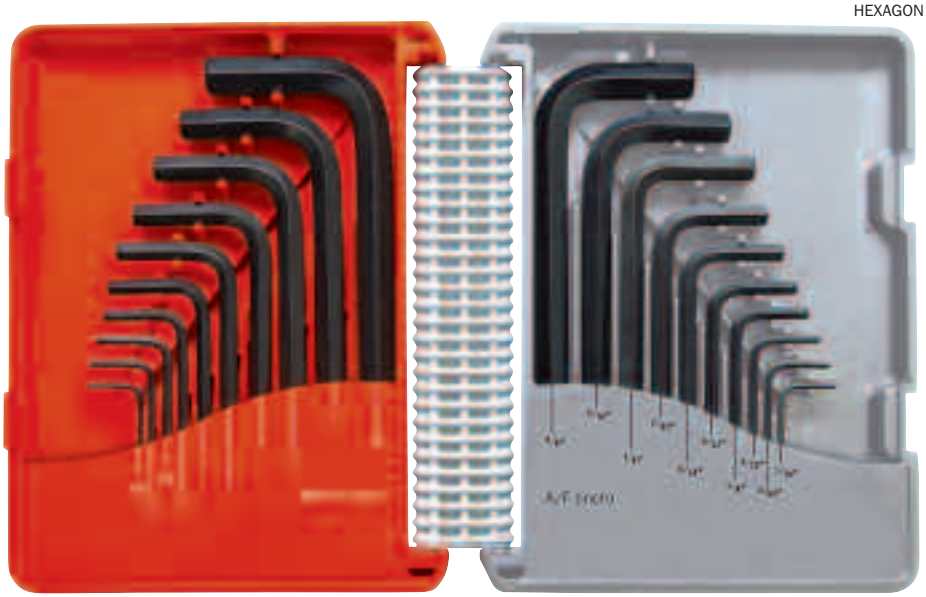
HEXAGON

Manufactured from high grade carbon steel to international standards **ISO 2936 & DIN 911**.
Supplied in a tough ABS plastic case for easy storage and selection.

Metric - 10 Piece Set Contents: 1.5, 2, 2.5, 3, 4 , 5, 6, 7, 8 and 10mm.

Inch - 10 Piece Set Contents: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

20 PIECES



Number of Pieces	Order Code KEN-601
20	**-1060K**

Description	Order Code KEN-593
Spare Case for 601-1060K	**-4500K**

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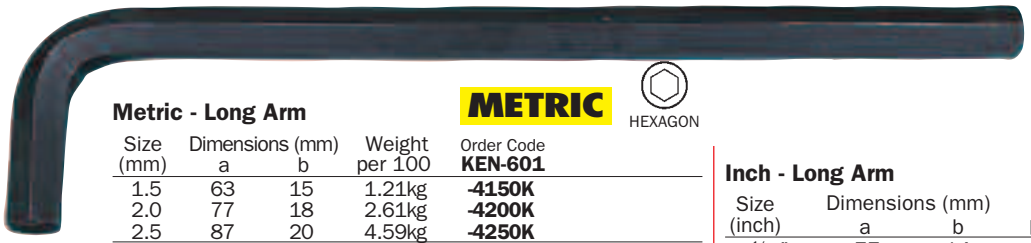
KENNEDY Hexagon Key L-Wrenches - Long Arm

Manufactured from fully hardened carbon steel in accordance with **DIN ISO 2936** ensuring a quality ductile key with precision square cut ends and accurate AF dimensions to ensure full socket contact. Black finish.



Metric - Long Arm

METRIC — HEXAGON

Size (mm)	Dimensions (mm) a	b	Weight per 100	Order Code KEN-601
1.5	63	15	1.21kg	-4150K
2.0	77	18	2.61kg	-4200K
2.5	87	20	4.59kg	-4250K
3.0	93	23	7.17kg	-4300K
4.0	104	29	14.6kg	-4400K
5.0	120	33	26.3kg	-4500K
6.0	141	38	44.3kg	-4600K
8.0	158	44	89.1kg	-4800K
10.0	180	50	158kg	-5100K
12.0	202	57	257kg	-5120K
14.0	229	70	405kg	-5140K
17.0	262	80	684kg	-5170K
19.0	280	89	922kg	-5190K
22.0	330	80		-5220K
24.0	370	90		-5240K
27.0	420	100		-5270K
32.0	500	125		-5320K

Inch - Long Arm

INCH — HEXAGON

Size (inch)	Dimensions (mm) a	b	Weight per 100	Order Code KEN-601
1/16"	77	14	0.21kg	-3040K
5/64"	82	15	0.31kg	-3050K
3/32"	88	17	0.44kg	-3060K
7/64"	92	18	0.62kg	-3070K
1/8"	96	19	0.79kg	-3080K
9/64"	101	20	0.81kg	-3090K
5/32"	105	21	1.60kg	-3100K
3/16"	114	24	2.20kg	-3120K
7/32"	124	26	3.40kg	-3140K
1/4"	135	28	4.40kg	-3160K
5/16"	151	32	8.00kg	-3200K
3/8"	170	35	13.00kg	-3240K
1/2"	208	41	28.00kg	-3320K
9/16"	228	44	33.00kg	-3360K
5/8"	250	48	67.00kg	-3400K

Metric 9 Piece Long Arm Set Contents:
1.5 x 77, 2 x 83, 2.5 x 90, 3 x 98, 4 x 106, 5 x 118, 6 x 137, 8 x 156, and 10 x 170mm.

METRIC — HEXAGON

Number of Pieces	Weight each	Order Code KEN-601
9	450g	-5970K

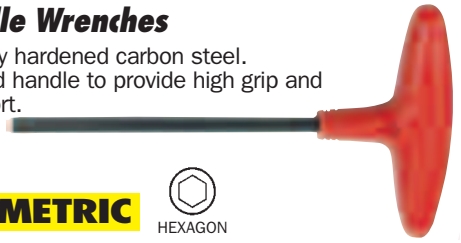
Inch 10 Piece Long Arm Set Contents:
1/16" x 3", 5/64" x 3 3/16", 3/32" x 3 1/2", 1/8" x 3 3/4", 5/32" x 4 1/8", 3/16" x 4 1/2", 7/32" x 4 7/8", 1/4" x 5 5/16", 5/16" x 6", and 3/8" x 6 3/4".

INCH — HEXAGON

Number of Pieces	Weight each	Order Code KEN-601
10	380g	-3970K

Hexagon T-Handle Wrenches

Manufactured from fully hardened carbon steel. Ergonomically designed handle to provide high grip and torque with user comfort.



METRIC — HEXAGON

Metric

Size mm	Overall Length (mm)	Weight each	Order Code KEN-601
2.0	150	25g	-6030K
2.5	150	30g	-6050K
3.0	150	35g	-6060K
4.0	190	55g	-6080K
5.0	190	70g	-6100K
6.0	225	120g	-6120K
8.0	225	155g	-6160K
10.0	225	220g	-6200K

INCH — HEXAGON

Inch

Size (Inch)	Overall Length (Inch)	Weight each	Order Code KEN-601
3/32"	6"	25g	-6560K
1/8"	6"	30g	-6580K
5/32"	7 1/2"	55g	-6600K
3/16"	7 1/2"	65g	-6620K
1/4"	9"	130g	-6660K
5/16"	9"	160g	-6700K
3/8"	9"	210g	-6740K

Metric 5 Piece Set Contents:
4, 5, 6, 8 and 10mm.

Metric 8 Piece Set Contents:
2, 2.5, 3, 4, 5, 6, 8 and 10mm.



5 PIECES

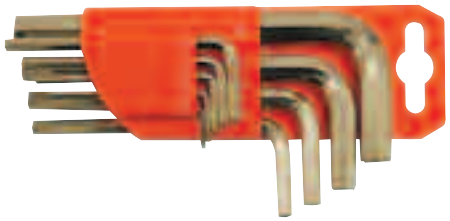
8 PIECES

METRIC — HEXAGON

Number of Pieces	Weight each	Order Code KEN-601
5	685g	-6450K
8	765g	-6470K

CV Hex Keys

Chrome vanadium steel with a nickel plating. Manufactured to **DIN ISO 2936**. Supplied in an indexed plastic holder.



METRIC — HEXAGON

Size (mm)	Overall Length (mm)	Order Code KEN-601
1.5	45	-7520K
2.0	50	-7540K
2.5	55	-7560K
3.0	60	-7580K
4.0	75	-7600K
5.0	85	-7620K
6.0	95	-7640K
8.0	110	-7660K
10.0	120	-7680K
9 piece Set	1 of each above	-7990K

KENNEDY PROFESSIONAL Pro-Torq Hex Wrench Sets on Clip

Supplied on robust plastic clips. Keeps all sizes together and readily available. Conveniently folds up to a handy pocket size with penknife type storage. Wrench size stamped on clip.





HEXAGON

Size	Weight each	Order Code KEN-601
5/64" - 1/4"	160g	-1020K
1.5 - 8mm	160g	-3020K

HAND TOOLS

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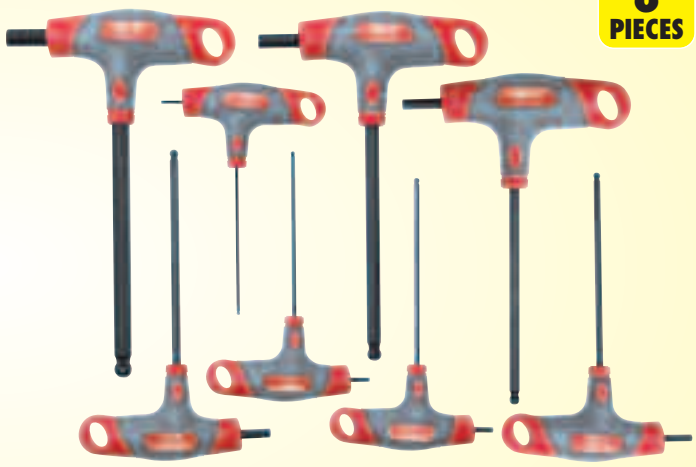
KENNEDY PROFESSIONAL Pro-Torq T-Handled Hexagon Ball Drivers

Manufactured from hardened carbon steel with a dual material 'T' handle grip for comfort and extra force. The ball drivers can be used at angles of up to 30° for use where access is restricted and the shorter hexagon end is ideal for use when a greater tightening torque is required. Long arm end is ball drive and short arm end plain. Black oxidised finish.
Manufactured to **ISO2936/DIN911**.





8 PIECES

METRIC HEXAGON

Size (mm)	Overall Length	Order Code KEN-602
2.0	130mm	**-7010K**
2.5	140mm	**-7020K**
3.0	150mm	**-7030K**
4.0	160mm	**-7040K**
5.0	175mm	**-7050K**
6.0	185mm	**-7060K**
8.0	195mm	**-7080K**
10.0	205mm	**-7100K**

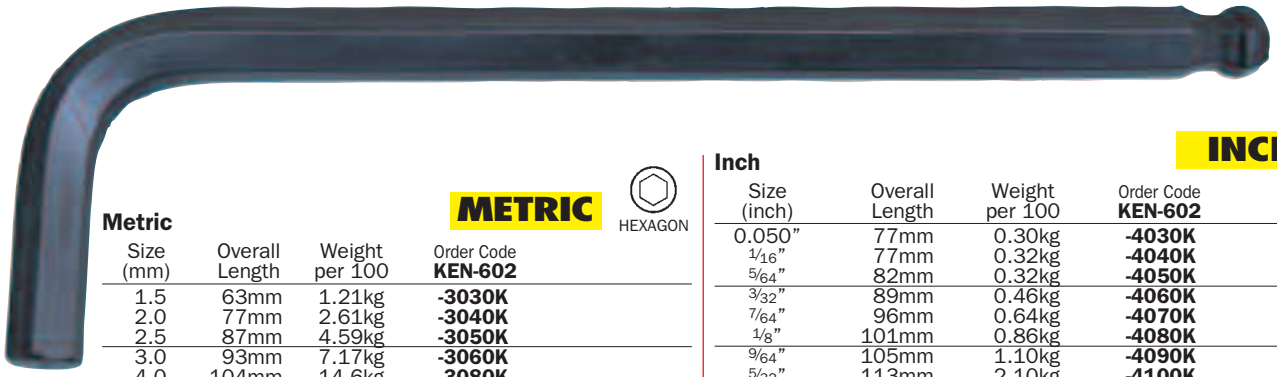
8 Piece Set Contents:
2.0, 2.5, 3, 4, 5, 6, 8 and 10mm.

METRIC

Number of Pieces	Weight each	Order Code KEN-602
8	750g	**-7800K**

KENNEDY QUALITY INDUSTRIAL TOOLING Ball Driver L-Wrenches

Manufactured from fully hardened carbon steel. A quality ductile key with precision cut ends and accurate AF dimensional to ensure maximum socket contact. Ball end allows up to 30° work offset. Long arm end is ball drive and short arm end plain. Black oxidised finish.



Metric

METRIC HEXAGON

Size (mm)	Overall Length	Weight per 100	Order Code KEN-602
1.5	63mm	1.21kg	**-3030K**
2.0	77mm	2.61kg	**-3040K**
2.5	87mm	4.59kg	**-3050K**
3.0	93mm	7.17kg	**-3060K**
4.0	104mm	14.6kg	**-3080K**
5.0	120mm	26.2kg	**-3100K**
6.0	141mm	44.3kg	**-3120K**
7.0	147mm	63.5kg	**-3140K**
8.0	158mm	89.1kg	**-3160K**
10.0	180mm	158kg	**-3200K**

Inch

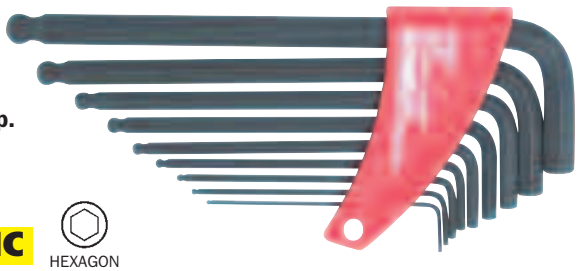
INCH HEXAGON

Size (inch)	Overall Length	Weight per 100	Order Code KEN-602
0.050"	77mm	0.30kg	**-4030K**
1/16"	77mm	0.32kg	**-4040K**
5/64"	82mm	0.32kg	**-4050K**
3/32"	89mm	0.46kg	**-4060K**
7/64"	96mm	0.64kg	**-4070K**
1/8"	101mm	0.86kg	**-4080K**
9/64"	105mm	1.10kg	**-4090K**
5/32"	113mm	2.10kg	**-4100K**
3/16"	124mm	2.30kg	**-4120K**
7/32"	134mm	3.40kg	**-4140K**
1/4"	150mm	2.80kg	**-4160K**
5/16"	162mm	8.00kg	**-4200K**
3/8"	186mm	26.00kg	**-4240K**

Metric 7 Piece Set Contents:
1.5, 2, 2.5, 3, 4, 5 and 6mm.

Metric 9 Piece Set Contents: 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.

Supplied in a plastic storage clip.



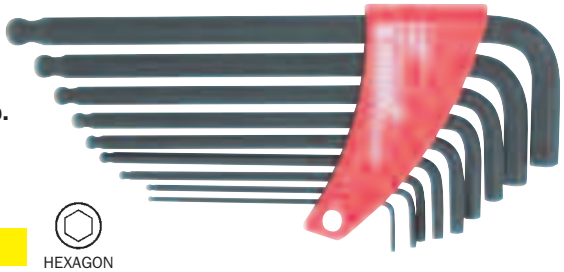
METRIC HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
7	110g	**-4570K**
9	350g	**-5500K**

Inch 7 Piece Set Contents:
5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16".

Inch 9 Piece Set Contents: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

Supplied in a plastic storage clip.



INCH HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
7	80g	**-5580K**
9	370g	**-5730K**

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KENNEDY Hexagon T-Handle Ball Drivers

Manufactured from fully hardened carbon steel. Ergonomically designed handle to provide high grip and torque with user comfort.



HEXAGON

METRIC

Size (mm)	Overall Length	Order Code KEN-602
2.5	150mm	-6050K
3.0	150mm	-6060K
4.0	150mm	-6080K
5.0	190mm	-6100K
6.0	190mm	-6120K
8.0	230mm	-6160K
10.0	230mm	-6200K

INCH

Size (inch)	Overall Length	Order Code KEN-602
3/32"	6"	-6560K
1/8"	6"	-6580K
5/32"	7 1/2"	-6600K
3/16"	7 1/2"	-6620K
7/32"	9"	-6640K
1/4"	9"	-6660K
5/16"	9"	-6700K
3/8"	9"	-6740K

METRIC

HEXAGON

5 Piece Set Contents:
4, 5, 6, 8 and 10mm.

7 Piece Set Contents:
2.5, 3, 4, 5, 6, 8 and 10mm.



Number of Pieces	Weight each	Order Code KEN-602
5	650g	-7650K
7	1007g	-7770K

CV Ball Drivers

Manufactured from chrome vanadium steel with a nickel plating. Set supplied in an indexed plastic holder. Individual hexagon key slots help to instantly identify missing drivers.

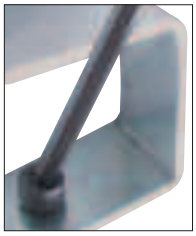
HEXAGON



METRIC

Size (mm)	Overall Length	Order Code KEN-602
1.5	80mm	-9030K
2.0	85mm	-9040K
2.5	90mm	-9050K
3.0	100mm	-9060K
4.0	110mm	-9080K
5.0	130mm	-9100K
6.0	150mm	-9120K
8.0	175mm	-9160K
10.0	200mm	-9200K
9 Piece Set 1 of each above		-9940K

Extra Long Ball Driver Hex Key Set

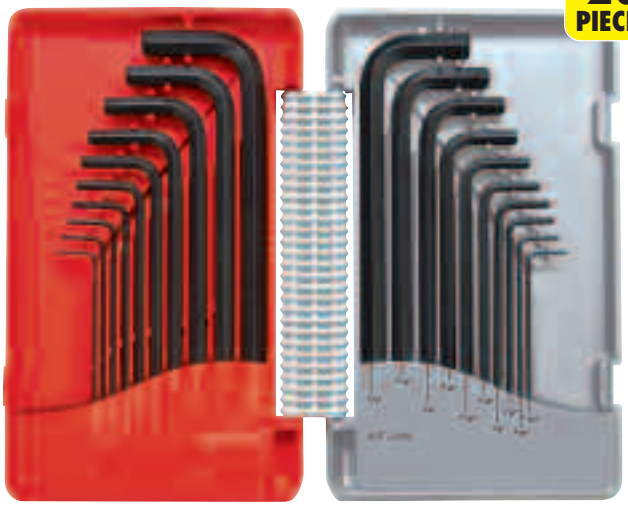


Can be used at angles of up to 30°. Manufactured from high grade carbon steel to international standards.

Metric - to ISO 2936:
1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10mm.

Inch - to DIN 911:
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

20 PIECES



Tough ABS plastic case for easy storage and selection.

Description	Order Code KEN-593
Spare Case to suit 602-280	-4520K

Number of Pieces	Weight each	Order Code KEN-602
20	940g	-2800K

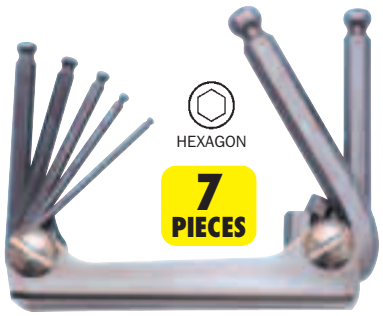
Hexagon Ball Driver Hand Clip Sets

METRIC

7 Piece Set Contents: 2.5, 3, 4,5, 6, 8 and 10mm.

INCH

7 Piece Set Contents:
3/32", 1/8", 5/32", 3/16", 1/4", 5/16" and 3/8".



HEXAGON

7 PIECES

Description	Number of Pieces	Weight each	Order Code KEN-602
Metric	7	360g	-8070K
Inch	7	465g	-8170K

KENNEDY PROFESSIONAL Pro-Torq Hexagon Ball Wrench Clip Sets

Conveniently folds up to a handy pocket size with penknife type storage. Moulded handle that gives excellent grip and user comfort.

HEXAGON

Dimensions (W x D x H):
40 x 22 x 115mm.



METRIC

8 Piece Set Contents:
1.5 - 8mm.

INCH

9 Piece Set Contents: 5/64" - 1/4".

Description	Number of Pieces	Weight each	Order Code KEN-602
Metric	8	169g	-8280K
Inch	9	149g	-8390K

HAND TOOLS

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HEXAGON BALL DRIVERS

KENNEDY Hexagon Ball Drivers

Can be used at angles of up to 30° from the screw head, making them ideal for awkward access areas. Manufactured from hardened carbon steel, available with fluted driver handles, L-wrench pattern or T-handle.



Metric — METRIC — HEXAGON

Size (mm)	Blade Length	Weight Per 10	Order Code KEN-602
1.5	86mm	65g	**-1030K**
2.0	89mm	90g	**-1040K**
2.5	99mm	120g	**-1050K**
3.0	81mm	200g	**-1060K**
4.0	97mm	450g	**-1080K**
5.0	109mm	710g	**-1100K**
6.0	137mm	910g	**-1120K**
8.0	163mm	1580g	**-1160K**
10.0	185mm	1840g	**-1200K**

Inch — INCH — HEXAGON

Size (Inch)	Blade Length	Weight Per 10	Order Code KEN-602
1/16"	84mm	90g	**-2040K**
5/64"	89mm	110g	**-2050K**
1/8"	79mm	200g	**-2080K**
9/64"	84mm	400g	**-2090K**
5/32"	89mm	550g	**-2100K**
3/16"	96mm	1380g	**-2120K**
1/4"	119mm	1320g	**-2160K**
3/8"	165mm	1530g	**-2240K**

Hexagon Ball Driver Sets

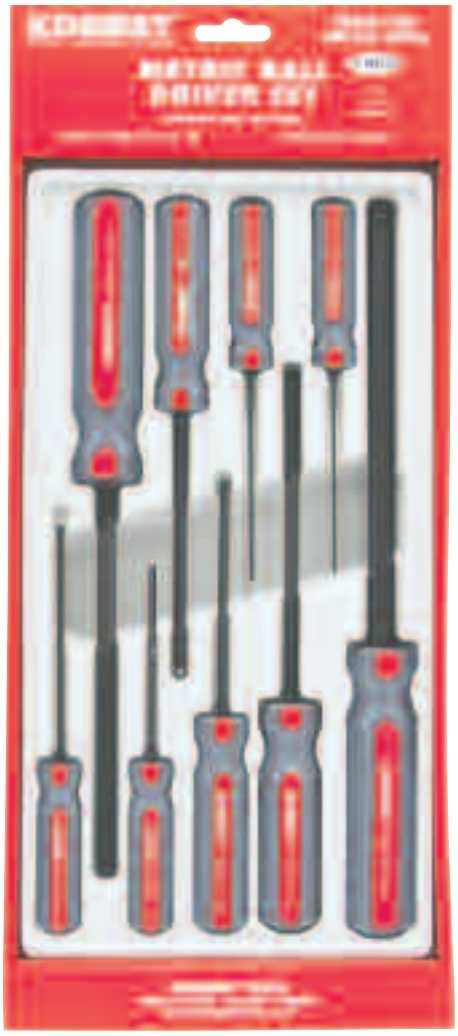
Metric 6 Piece Set Contents:
1.5, 2, 2.5, 3, 4 and 5mm.



6 PIECES — METRIC — HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
6	170g	**-2560K**

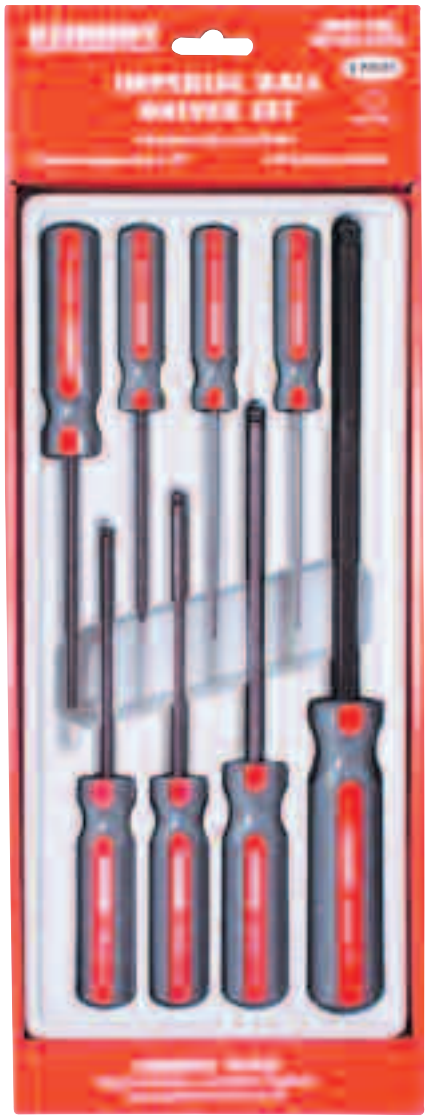
Metric 9 Piece Set Contents:
1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.



9 PIECES — METRIC — HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
9	640g	**-2590K**

Inch 8 Piece Set Contents:
1/16", 5/64", 1/8", 9/64", 5/32", 3/16", 1/4" and 3/8".



8 PIECES — INCH — HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
8	480g	**-2640K**

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KENNEDY L-Wrench TX Keys

Manufactured from chrome molybdenum steel. Made to manufacturer's standards. Torx is a registered trademark of Camcar Textron.



TX

Size	Length (mm)	Weight each	Order Code KEN-603
T6	46	20g	-0060K
T7	52	20g	-0070K
T8	52	30g	-0080K
T9	54	30g	-0090K
T10	54	40g	-0100K
T15	58	55g	-0150K
T20	61	75g	-0200K

Size	Length (mm)	Weight each	Order Code KEN-603
T25	63	100g	-0250K
T27	69	160g	-0270K
T30	78	210g	-0300K
T40	85	310g	-0400K
T45	92	445g	-0450K
T50	100	640g	-0500K
T55	120	1200g	-0550K

9 Piece Set Contents: T8, T9, T10, T15, T20, T25, T27, T30 and T40. Supplied in a plastic storage clip.



TX

9 PIECES

Number of Pieces	Weight each	Order Code KEN-603
9	155g	-0760K

L-Wrench TXS (Tamper-Proof) Keys

TXS tamper-proof TX keys are the same shape as standard TX keys, but have a security hole in the middle. Manufactured from chrome molybdenum steel.



TXS

Size	Length (mm)	Weight each	Order Code KEN-603
T8	52	30g	-2080K
T9	54	30g	-2090K
T10	54	40g	-2100K
T15	58	55g	-2150K
T20	61	75g	-2200K

Size	Length (mm)	Weight each	Order Code KEN-603
T25	63	100g	-2250K
T27	69	160g	-2270K
T30	78	210g	-2300K
T40	85	310g	-2400K

9 Piece Set Contents: T8, T9, T10, T15, T20, T25, T27, T30 and T40. Supplied in a plastic storage clip.



TXS

9 PIECES

Number of Pieces	Weight each	Order Code KEN-603
9	102g	-2680K

Driver Style TX Keys

Screwdriver handle style wrenches. Suitable for all applications but particularly favoured for use when replacing shims and inserts on replaceable tipped carbide tooling. Also favoured by the electronics industry. Made from chrome molybdenum steel. Each driver is marked with size.



TX

Size	Length (mm)	Weight each	Order Code KEN-603
T6	61	30g	-0060D
T7	61	32g	-0070D
T8	72	34g	-0080D
T9	75	60g	-0090D

Size	Length (mm)	Weight each	Order Code KEN-603
T10	75	60g	-0100D
T15	92	83g	-0150D
T20	96	97g	-0220D
T25	100	100g	-0250D

INDEXA-SEIKI Flag Type TX Keys



TX keys for use with external toolholders.

TX

Type Torx Key	Order Code IND-107
T6 Flag	-5060K
T7 Flag	-5070K
T8 Flag	-5080K
T9 Flag	-5090K
T10 Flag	-5100K
T15 Flag	-5150K
T20 Flag	-5200K

KENNEDY TX Key Ring Set

8 Piece Set Contents:
T9, T10, T15, T20, T25, T27, T30 and T40.



8 PIECES

TX

Number of Pieces	Weight each	Order Code KEN-603
8	120g	-0720K

KENNEDY PROFESSIONAL Pro-Torq TX Wrench Set on Clip

Eight keys supplied on robust plastic clip. Keeps all sizes together and readily available. Conveniently folds up to a handy pocket size with penknife type storage. Wrench size stamped on clip.



TX

Size	Weight each	Order Code KEN-603
T9 - T40	164g	-1680K

HAND TOOLS

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GROUP 600 SOCKET HEAD CAP SCREWS



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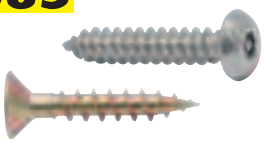

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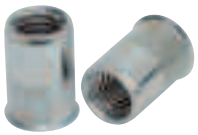

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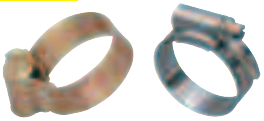

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FASTENERS

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



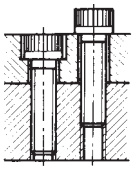
Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

SOCKET HEAD CAP SCREWS

QUALFAST

Socket Head Cap Screws - Metric

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.**
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.





Dimensions to **BS EN ISO 4762 DIN 912**

Threaded to Head as Standard

Thread Size	Dimensions (mm) dk	k	S (hex)
M1.6	3.00	1.6	1.5
M2	3.80	2.0	1.5
M2.5	4.50	2.5	2.0
M3	5.68	3.0	2.5
M4	7.22	4.0	3.0
M5	8.72	5.0	4.0

M1.6 to M5

Threaded to Head as Standard

Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-600	ISO Metric - Self Colour Thread to Head (Self-Colour) Order Code QFT-600	ISO Metric BZP Bright Zinc Plated (BZP) Order Code QFT-600	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
M1.6	4	200	-0905F	This Size Range across all Finishes are Supplied Threaded to Head as Standard.	-	-
	6	200	-0906G		-	-
M2	3	200	-0912N		-	-
	4	200	-0913P		-	-5913P
	5	200	-0914Q		-	-5914Q
	6	200	-0915R		-	-5915R
	8	200	-0916S		-	-5916S
	10	200	-0917T		-	-5917T
	12	200	-0918V		-	-5918V
	16	200	-		-	-5919A
	20	200	-		-	-5919F
M2.5	4	200	-0920T		-	-5919W
	5	200	-0920X		-	-5920X
	6	200	-0921Y		-	-5921Y
	8	200	-0922Z		-	-5922Z
	10	200	-0924A		-	-5924A
	12	200	-0925B		-	-5925B
	16	200	-0925R		-	-5925M
	20	200	-0926F		-	-5926C
M3	5	200	-0927D		-8048Y	-5927D
	6	200	-0928E		-8049Z	-5928E
	8	200	-0929F		-8050A	-5929F
	10	200	-0930G		-8052C	-5930G
	12	200	-0931H		-8054E	-5931H
	14	200	-0932J		-	-
	15	200	-0933K		-	-
	16	200	-0934L		-8056G	-5934L
	18	200	-0934M		-	-5935A
	20	200	-0935M	-	-8058J	-5935M
	22	200	-0935Z	-	-	-
	25	200	-0936N	-	-8059K	-5936N
	30	200	-0937P	-	-8061R	-5937P
	35	200	-0938Q	-	-	-5938Q
	40	200	-0939C	-	-8064G	-5938W
	45	200	-0939E	-	-8068M	-
	50	200	-0939F	-	-	-
M4	5	200	-0939R	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	6	200	-0940S		-8101Q	-5940S
	8	200	-0941T		-8102R	-5941T
	10	200	-0942V		-8103F	-5942V
	12	200	-0943W		-8104A	-5944X
	14	200	-0944X		-	-5945Y
	15	200	-0945Y		-	-
	16	200	-0946Z		-8105B	-5946Z
	18	200	-0947F		-	-
	20	200	-0948A		-8105T	-5948A
	22	200	-0948G		-	-
	25	200	-0949B		-8106C	-5949B
	30	200	-0950C	-	-8106D	-5950C
	35	200	-0951D	-	-8106F	-
	40	200	-0952E	-	-8107A	-5952E
	45	200	-0953F	-	-	-5953F
	50	200	-0954G	-	-8107J	-5954G
	55	200	-0954W	-	-	-
	60	200	-0954Z	-	-8107L	-
	65	200	-0955A	-	-	-
	70	200	-0955B	-	-	-
	75	200	-0955C	-	-	-
	80	200	-0955D	-	-	-
	90	200	-0955G	-	-	-
	100	200	-0955E	-	-	-
M5	6	200	-0955H	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-8108P	-5956A
	8	200	-0956J		-8108R	-5956J
	10	200	-0957K		-8109J	-5957K
	12	200	-0958L		-8110A	-5958L
	14	200	-0959M		-	-5959M
	15	200	-0960N		-	-
	16	200	-0961P		-8111B	-5961P
	18	200	-0962Q		-	-5962Q
	20	200	-0963R		-8111D	-5963R
	22	200	-0964S		-8111R	-
	25	200	-0965T	-	-8112C	-5965T
	30	200	-0966V	-4500A	-8113D	-5966V
	35	200	-0967W	-4501B	-8114E	-5967W
	40	200	-0968X	-4502C	-8115F	-5968X
	45	200	-0969Y	-4503D	-8115G	-5969M
	50	200	-0970Z	-4504E	-8116G	-5969Y

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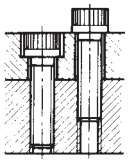
QUALFAST **Socket Head Cap Screws - Metric**

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.**
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.





Dimensions to **BS EN ISO 4762 DIN 912**

Threaded to Head as Standard

Thread Size	Dimensions (mm) dk	k	S (hex)
M5	8.72	5.0	4.0
M6	10.22	6.0	5.0
M8	13.27	8.0	6.0
M10	16.27	10.0	8.0

M5 to M10

Threaded to Head as Standard

Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-600	ISO Metric - Self Colour Thread to Head (Self-Colour) Order Code QFT-600	ISO Metric - BZP Bright Zinc Plated (BZP) Order Code QFT-600	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
	55	200	-0972A	-4505F	-8116R	-
	60	200	-0973B	-	-8117A	-5973B
	65	200	-0974C	-	-8117J	-
	70	200	-0975D	-	-8118J	-5973X
	75	200	-0975K	-	-	-
	80	200	-0975R	-	-	-5974Y
M5	85	200	-0975S	-	-	-
con't	90	200	-0975T	-	-	-
	100	200	-0975X	-	-8118T	-5975Z
	110	200	-0975Z	-	-	-
	120	200	-0976A	-	-	-
	130	200	-0976B	-	-	-
	140	200	-0976C	-	-	-
	150	200	-0976D	-	-	-
	6	200	-0976F	-	-	-
	8	200	-0976E	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-8119H	-5976E
	10	200	-0977F		-8119K	-5977F
	12	200	-0978G		-8120A	-5978G
	14	200	-0979H		-	-5979H
	15	200	-0980J		-	-
	16	200	-0981K		-8121B	-5981K
	18	200	-0982L		-8121C	-
	20	200	-0983M		-8122C	-5983M
	22	200	-0984N		-	-
	25	200	-0985P		-8123D	-5985P
	30	200	-0986Q		-8124E	-5986Q
	35	200	-0987R	-	-8125A	-5987R
	40	200	-0988S	-4521B	-8125F	-5988S
	45	200	-0989T	-4522C	-8126G	-5989T
	50	200	-0990V	-4523D	-8127H	-5990V
M6	55	200	-0991W	-	-8127J	-5991W
	60	200	-0992X	-4524E	-8127K	-5992X
	65	200	-0993Y	-	-8127L	-5993Y
	70	200	-0994Z	-4525F	-8127M	-5994Z
	75	200	-0996A	-	-8127N	-5996A
	80	200	-0997B	-4526G	-8127P	-5997B
	85	200	-0997C	-	-	-
	90	200	-0998C	-	-8127R	-5998C
	100	200	-0999D	-	-8127T	-5999D
	110	200	-1000E	-	-	-
	120	200	-1001F	-	-8127V	-
	130	200	-1001H	-	-	-
	140	200	-1001K	-	-	-
	150	200	-1001P	-	-	-
	160	200	-1001T	-	-	-
	170	200	-1001V	-	-	-
	200	200	-1001W	-	-	-
	10	200	-1002G	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-8128J	-6002G
	12	200	-1003H		-8128K	-6003H
	14	200	-		-8128L	-6004J
	15	200	-1005K		-	-
	16	200	-1006L		-8129R	-6006L
	18	200	-1007M		-	-
	20	200	-1008N		-8130A	-6008N
	22	200	-1009P		-	-
	25	200	-1010Q		-8131B	-6010Q
	30	200	-1011R		-8132C	-6011R
	35	200	-1012S		-8132R	-6012S
	40	200	-1013T	-4540A	-8133D	-6013T
	45	200	-1014V	-	-8134E	-6014V
	50	100	-1015W	-4541B	-8135F	-6015W
	55	100	-1016X	-	-8135G	-6016X
M8	60	100	-1017Y	-4542C	-8136G	-6017Y
	65	100	-1018Z	-	-8136T	-6018Z
	70	100	-1020A	-4543D	-8137R	-6020A
	75	100	-1021B	-	-8138F	-6021B
	80	100	-1022C	-4544E	-8138G	-6022C
	85	100	-1023A	-	-	-
	90	100	-1023D	-	-8138J	-6024E
	100	100	-1024E	-	-8138L	-6026G
	110	100	-1025F	-	-8138N	-6027H
	120	100	-1026G	-	-	-6028J
	130	100	-1027H	-	-	-
	140	100	-1028J	-	-	-6030H
	150	100	-1029K	-	-	-
	160	100	-1030L	-	-	-
	180	100	-1031M	-	-	-
	200	100	-1032N	-	-	-

FASTENERS

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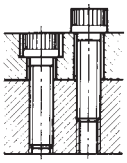
SOCKET HEAD CAP SCREWS

QUALFAST

Socket Head Cap Screws - Metric

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.** Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.





Dimensions to **BS EN ISO 4762 DIN 912**

Threaded to Head as Standard

Thread Size	Dimensions (mm) dk	k	S (hex)
M10	16.27	10.0	8.0
M12	18.27	12.0	10.0
M14	21.33	14.0	12.0
M16	24.33	16.0	14.0

M10 to M16

Threaded to Head as Standard

Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-600	ISO Metric - Self Colour Thread to Head (Self-Colour) Order Code QFT-600	ISO Metric BZP Bright Zinc Plated (BZP) Order Code QFT-600	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
	10	100	-1033P	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	12	100	-1034Q		-8139B	-6037T
	15	100	-1036S		-	-
	16	100	-1037T		-8139G	-6038V
	18	100	-1038V		-	-
	20	100	-1039W		-8139T	-6039W
	25	100	-1041Y		-8140A	-6041Y
	30	100	-1042Z		-8140C	-6042Z
	35	100	-1044A		-8140G	-6044A
	40	100	-1045B		-8140J	-6045B
	45	100	-1046C	-4560A	-8141A	-6046C
	50	100	-1047D	-4561B	-8141B	-6047D
	55	100	-1048E	-	-8141C	-6048E
	60	100	-1049F	-	-8142C	-6049F
M10	65	100	-1050G	-	-8142R	-6050G
	70	100	-1051H	-4563D	-8142T	-6051H
	75	100	-1052J	-	-8142U	-6052J
	80	100	-1053K	-4564E	-8142V	-6053K
	90	100	-1054L	-	-8142W	-6054L
	100	100	-1055M	-	-8143A	-6055M
	110	100	-1056N	-	-8142X	-6056N
	120	100	-1057P	-	-	-6057P
	130	100	-1058Q	-	-	-6058Q
	140	100	-1059R	-	-	-
	150	100	-1060S	-	-	-6060S
	15	100	-1067X	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	16	100	-1068A		-	-
	20	100	-1070C		-8143B	-6071D
	25	100	-1072E		-8143C	-6072E
	30	100	-1073F		-8144A	-6073F
	35	100	-1074G		-8144D	-6074G
	40	50	-1075H		-8144E	-6075H
	45	50	-1076J		-8145F	-6076J
	50	50	-1077K		-8145T	-6077K
	55	50	-1078L	-	-8146H	-6078L
	60	50	-1079M	-	-8146J	-6079M
	65	50	-1080N	-	-	-6080N
	70	50	-1081P	-4580A	-	-6081P
M12	75	50	-1082Q	-	-8149A	-6082Q
	80	50	-1083R	-4581B	-	-6083R
	85	100	-1083S	-	-	-
	90	50	-1084S	-	-8150G	-6084S
	100	50	-1085T	-4582C	-	-6085T
	110	50	-1086V	-	-	-6086V
	120	50	-1087W	-	-	-6087W
	130	50	-1088X	-	-	-6088X
	140	50	-1089Y	-	-	-6089Y
	150	50	-1090Z	-	-	-
	20	25	-1111E	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	25	25	-1112X		-	-
	30	25	-1113Y		-8170J	-6113Y
	35	25	-1114Z		-8171K	-6114Z
	40	25	-1116A		-8172L	-6116A
	45	25	-1117B		-8173M	-
	50	25	-1118C		-8174N	-6118C
	55	25	-1119D		-8175P	-
	60	25	-1120E	-	-8176Q	-6120E
	65	25	-1121F	-	-8177R	-6121F
M16	70	25	-1122G	-	-8178S	-6122G
	75	25	-1123H	-	-	-6123H
	80	25	-1124J	-	-	-6124J
	85	25	-1125A	-	-	-
	90	25	-1125K	-	-	-6125K
	100	25	-1126L	-	-	-6126L
	110	25	-1127M	-	-	-
	120	25	-1128N	-	-	-
	130	25	-1129P	-	-	-6129P
	140	25	-1130Q	-	-	-6130Q
	150	25	-1131R	-	-	-
	50	25	-1140A	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	60	25	-1142C		-	-
	70	25	-1144E	-	-	-
M18	80	25	-1146G	-	-	-
	90	25	-1147H	-	-	-
	100	25	-1148J	-	-	-

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QUALFAST Socket Head Cap Screws - Metric

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.**
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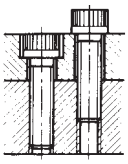
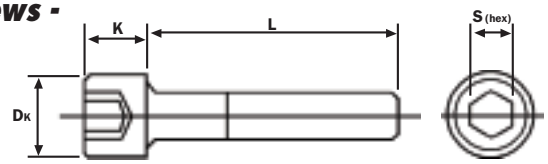
Maximum operating temperature (unplated): 300°C.





Dimensions to **BS EN ISO 4762 DIN 912**

Threaded to Head as Standard

Thread Size	Dimensions (mm) dk	k	S (hex)
M16	24.33	16.0	14.0
M18	27.00	18.0	16.0
M20	30.33	20.0	17.0
M24	36.00	24.0	20.0

M16 to M24

Threaded to Head as Standard

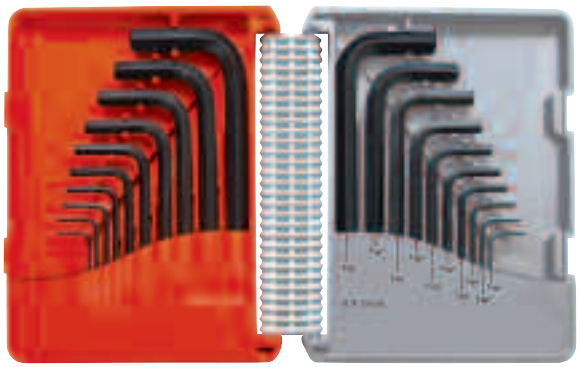
Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-600	ISO Metric - Self Colour Thread to Head (Self-Colour) Order Code QFT-600	ISO Metric BZP Bright Zinc Plated (BZP) Order Code QFT-600	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
	30	25	-1151M	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-6151M
	35	25	-1152N		-	-
	40	25	-1153P		-	-6153P
	45	25	-1154Q		-	-
	50	25	-1155R		-	-6155R
	55	25	-1156S		-	-6156S
	60	25	-1157T		-8182F	-
	65	25	-1158V		-8182T	-
	70	25	-1159W		-	-6159W
M20	75	25	-1160X	-	-	-
	80	15	-1161Y	-	-	-
	90	15	-1162Z	-	-	-
	100	15	-1164A	-	-	-6164A
	110	15	-1165B	-	-	-
	120	15	-1166C	-	-	-
	130	15	-1167D	-	-	-
	140	15	-1168E	-	-	-
	150	15	-1169F	-	-	-
	160	15	-1170G	-	-	-
	180	15	-1171H	-	-	-
	200	15	-1172J	-	-	-
	40	15	-1180S	This Size Range Across all Finishes are Supplied Threaded to Head as Standard.	-	-
	45	25	-1181T		-	-
	50	15	-1182V		-	-
	55	25	-1183W		-	-
	60	15	-1184X		-	-
	65	25	-1184Y		-	-
	70	10	-1186Z		-	-
	75	10	-1188A		-	-6180M
	80	10	-1189B		-	-
M24	90	10	-1190C	-	-	-
	100	10	-1191D	-	-	-
	110	10	-1192E	-	-	-
	120	10	-1193F	-	-	-
	130	10	-1194G	-	-	-
	140	10	-1195H	-	-	-
	150	10	-1196J	-	-	-
	160	10	-1197K	-	-	-
	180	10	-1198L	-	-	-
	200	10	-1199M	-	-	-

Metric/Inch Hexagon Key Set - 20 Piece

Manufactured from high grade carbon steel to international standards **DIN ISO 2936**.
Supplied in a tough ABS plastic case for easy storage and selection.

Metric - 10 Piece: 1.5, 2, 2.5, 3, 4 , 5, 6, 7, 8 and 10mm.
Inch - 10 Piece: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

20 PIECES



Description	Order Code KEN-601
20 Piece Hexagon Key Set	-1060K

Description	Order Code KEN-593
Spare Case for 601-1060K	-4500K

Hexagon Key Walleted Sets

Metric - 9 Piece
Set Contents:
1.5 x 45, 2 x 50, 2.5 x 56, 3 x 63, 4 x 70, 5 x 79, 6 x 90, 8 x 100 and 10 x 112mm.

Inch - 10 Piece
Set Contents:
1/16" x 1 3/4",
5/64" x 1 7/8",
3/32" x 2",
1/8" x 2 1/4",
5/32" x 2 1/2",
3/16" x 2 3/4",
7/32" x 3",
1/4" x 3 1/4",
5/16" x 3 3/4" and
3/8" x 4 1/4".



HEXAGON

Number of Pieces	Weight each	Order Code KEN-601
9 (mm)	300g	-2970K
10 (inch)	290g	-0970K

FASTENERS

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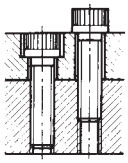
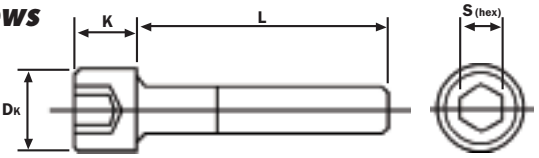
SOCKET HEAD CAP SCREWS

QUALFAST

Socket Head Cap Screws - Inch

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.**
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.





Dimensions to **ANSI B 18.3 - 1936 Series**

Thread Size	Dimensions (mm) dk	k	S (hex)
2	0.140"	0.108"	1/16"
4	0.183"	0.122"	5/64"
5	0.205"	0.125"	3/32"
6	0.226"	0.138"	3/32"
8	0.270"	0.164"	1/8"
10	0.312"	0.190"	5/32"
1/4"	0.375"	0.250"	3/16"
5/16"	0.437"	0.312"	7/32"

No.2 to 5/16

Box Qty. 200

Size	L	UNC - Self Colour Standard (Self-Colour) Order Code QFT-601	UNC A2 Stainless Steel Order Code QFT-606	UNF - Self Colour Standard (Self-Colour) Order Code QFT-601	UNF A2 Stainless Steel Order Code QFT-606
	1/4"	-1301B	-	-	-
	3/8"	-1303D	-6514H	-	-
	1/2"	-1304E	-6514T	-	-
4	5/8"	-1305F	-6515F	-	-
	3/4"	-1306G	-6515R	-	-
	7/8"	-1307H	-	-	-
5	3/8"	-1310L	-	-	-
	1/2"	-1311M	-	-	-
	1/4"	-1315R	-6517G	-	-
	3/8"	-1317T	-6517T	-	-
	1/2"	-1318V	-6518G	-	-
6	5/8"	-1319W	-6518R	-	-
	3/4"	-1320X	-6519F	-	-
	1"	-1322Z	-6519W	-	-6480Z
	1/4"	-1327D	-	-	-
	3/8"	-1328E	-6521G	-	-
	1/2"	-1329F	-6521R	-	-
8	5/8"	-1330G	-6522R	-	-
	3/4"	-1331H	-6523B	-	-
	1"	-1333K	-6525G	-	-
	1 1/4"	-1334L	-	-	-
	1 1/2"	-1335M	-6526E	-	-
	1/4"	-1337P	-	-1553D	-
	3/8"	-1338Q	-6529G	-1555F	-6488E
	1/2"	-1339R	-6530A	-1556G	-6489F
	5/8"	-1340S	-	-1557H	-
	3/4"	-1341T	-6532C	-1558J	-6491H
	7/8"	-1342V	-	-1559K	-
10	1"	-1343W	-6533D	-1560L	-6492J
	1 1/4"	-1344X	-	-1561M	-
	1 1/2"	-1345Y	-	-1562N	-6494L
	1 3/4"	-1346Z	-	-1563P	-
	2"	-1348A	-	-1564Q	-
	1/4"	-1349B	-	-	-
	3/8"	-1350C	-6539J	-1566S	-6496N
	1/2"	-1351D	-6540A	-1567T	-6497P
	5/8"	-1352E	-6541B	-1568V	-
	3/4"	-1353F	-6542C	-1569W	-6499R
	7/8"	-1354G	-	-1570X	-
	1"	-1355H	-6543D	-1571Y	-6500A
1/4	1 1/4"	-1356J	-	-1572Z	-
	1 1/2"	-1357K	-6545F	-1574A	-6501B
	1 3/4"	-1358L	-	-1575B	-
	2"	-1359M	-6547F	-1576C	-
	2 1/4"	-1360N	-	-1577D	-
	2 1/2"	-1361P	-	-1578E	-
	1/2"	-1365T	-6548E	-1579F	-6502C
	5/8"	-1366V	-	-1580G	-
	3/4"	-1367W	-6549A	-1581H	-
	7/8"	-1368X	-	-1582J	-
	1"	-1369Y	-6549G	-1583K	-6503D
	1 1/4"	-1370Z	-6550G	-1584L	-
	1 1/2"	-1372A	-6551H	-1585M	-
5/16	1 1/4"	-1373B	-	-1586N	-
	2"	-1374C	-6553K	-1587P	-
	2 1/4"	-1375D	-	-1588Q	-
	2 1/2"	-1376E	-6555M	-1589R	-
	2 3/4"	-1377F	-	-	-
	3"	-1378G	-	-	-
	3 1/2"	-1379H	-	-	-
	4"	-1380J	-	-	-

FASTENERS

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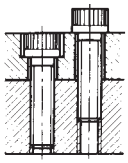
QUALFAST

Socket Head Cap Screws - Inch

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.**
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.





Thread Size	Dimensions (mm) dk	k	S (hex)
3/8"	0.562"	0.375"	5/16"
7/16"	0.656"	0.500"	3/8"
1/2"	0.750"	0.500"	3/8"
5/8"	0.865"	0.620"	1/2"
3/4"	0.990"	0.745"	9/16"
7/8"	1.312"	0.875"	3/4"
1"	1.312"	1.000"	5/8"

Dimensions to **ANSI B 18.3 - 1936 Series**

3/8 to 1

Size	L	Box Qty	UNC - Self Colour Standard (Self-Colour) Order Code QFT-601	UNC A2 Stainless Steel A2 Stainless Steel Order Code QFT-606	UNF Self Colour Standard (Self-Colour) Order Code QFT-601	UNF A2 Stainless Steel A2 Stainless Steel Order Code QFT-606
	1/2"	100	-1381K	-	-1591T	-
	5/8"	100	-1382L	-	-	-
	3/4"	100	-1383M	-6558E	-1593W	-6505F
	1"	100	-1385P	-6560G	-1595Y	-
	1 1/4"	100	-1386Q	-6561H	-1596Z	-
	1 1/2"	100	-1387R	-6562J	-1598A	-6507H
	1 3/4"	50	-1388S	-	-1599B	-
3/8	2"	50	-1389T	-6564L	-1600C	-
	2 1/4"	50	-1390V	-	-1601D	-
	2 1/2"	50	-1391W	-6566N	-1602E	-
	2 3/4"	50	-1392X	-	-	-
	3"	50	-1393Y	-	-1603F	-
	3 1/4"	50	-1394Z	-	-	-
	3 1/2"	50	-1396A	-	-1605H	-
	4"	50	-1397B	-	-	-
	4 1/2"	50	-1398C	-	-	-
	5"	50	-1399D	-	-	-
	1"	50	-1401F	-	-1606J	-
	1 1/4"	50	-1402G	-	-1607K	-
7/16	1 1/2"	50	-1403H	-	-1608L	-
	1 3/4"	50	-1404J	-	-1609M	-
	2"	50	-1405K	-	-1610N	-
	2 1/2"	50	-1407M	-	-	-
	3/4"	50	-1408N	-	-	-
	1"	50	-1410Q	-	-1613R	-
	1 1/4"	50	-1411R	-	-1614S	-
	1 1/2"	50	-1412S	-6573T	-1615T	-
	1 3/4"	50	-1413T	-	-1616V	-
	2"	50	-1414V	-6575F	-1617W	-
	2 1/4"	25	-1415W	-	-1618X	-
1/2	2 1/2"	25	-1416X	-	-1619Y	-
	2 3/4"	25	-1417Y	-	-	-
	3"	25	-1418Z	-6577H	-1622A	-
	3 1/2"	25	-1421B	-	-1623B	-
	4"	25	-1422C	-	-1624C	-
	4 1/2"	25	-1423D	-	-	-
	5 1/2"	25	-1425F	-	-	-
	6"	25	-1426G	-	-	-
	1 1/4"	25	-1429K	-	-1625D	-
	1 1/2"	25	-1430L	-	-1626E	-
	1 3/4"	25	-1431M	-	-	-
	2"	25	-1433P	-	-1628G	-
	2 1/4"	25	-1434Q	-	-	-
5/8	2 1/2"	25	-1435R	-	-1630J	-
	2 3/4"	25	-1436S	-	-	-
	3"	25	-1437T	-	-1631K	-
	3 1/4"	25	-1438V	-	-	-
	3 1/2"	25	-1439W	-	-	-
	4"	25	-1440X	-	-1633B	-
	5"	25	-1442Z	-	-	-
	1 1/2"	25	-1452J	-	-	-
	1 3/4"	25	-1453K	-	-	-
	2"	25	-1454L	-	-1635P	-
	2 1/4"	25	-1455M	-	-	-
	2 1/2"	25	-1456N	-	-1642C	-
3/4	2 3/4"	25	-1457P	-	-	-
	3"	25	-1458Q	-	-1644E	-
	3 1/2"	25	-1460S	-	-	-
	4"	25	-1461T	-	-	-
	5"	25	-1463W	-	-	-
	6"	25	-1464X	-	-	-

FASTENERS

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QUALFAST Socket Set Screws

High tensile alloy steel. **Grade 14.9**.

Plain Cup - DIN916
For use against hardened shafts. Ideal for use in ductile castings such as zinc, aluminium etc. where high tightening torques are not practical.

Thread Size	S (hex)
M2	1.0
M2.5	1.0
M3	1.5
M4	2.0
M5	2.5
M6	3.0

Knurled Cup - DIN 916
High tensile alloy steel. Grade 14.9. For quick and permanent location of pulleys, collars and gears on shafts. Will hold fast even in poorly tapped holes. Interrupted profile of clamping face resists loosening due to vibration. Sizes above M6 are generally counterbored to provide maximum clamping efficiency.

Thread Size	S (hex)
M3	1.5
M4	2.0
M5	2.5
M6	3.0

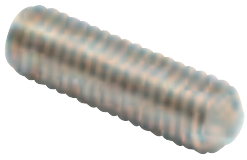
ISO Metric - Self Colour

M2 to M6



Size	L	Box Qty	Order Code QFT-602
M2	3	200	**-3052C**
	12	200	**-**
M2.5	3	200	**-3065R**
	6	200	**-3071Y**
	10	200	**-3073A**
M3	3	200	**-3079F**
	4	200	**-**
	5	200	**-3085M**
	6	200	**-**
	8	200	**-**
	10	200	**-3103F**
	12	200	**-3108L**
	16	200	**-3117X**
M4	4	200	**-3122A**
	5	200	**-3127F**
	6	200	**-3132L**
	8	200	**-3137R**
	10	200	**-3142X**
	12	200	**-3147M**
	16	200	**-3156L**
	20	200	**-3163T**
	25	200	**-3165H**
	30	200	**-**
M5	5	200	**-3168Z**
	6	200	**-3174E**
	8	200	**-3179K**
	10	200	**-3184Q**
	12	200	**-3189W**
	16	200	**-3200G**
	20	200	**-3205M**
	25	200	**-3209R**
	30	200	**-3211Y**
	35	200	**-**
M6	6	200	**-3218A**
	8	200	**-3223F**
	10	200	**-3228L**
	12	200	**-3233R**
	16	200	**-3244C**
	20	200	**-3249H**
	25	200	**-3254N**
	30	200	**-3259T**
	35	200	**-3264Z**
	40	200	**-**
	45	200	**-**
M8	8	200	**-3284V**
	10	200	**-3290A**
	12	200	**-3294E**
	16	200	**-3305R**
	20	200	**-3310X**
	25	200	**-3316C**
	30	200	**-**
	35	200	**-3326N**
	40	200	**-3331T**
	50	200	**-3342E**
M10	10	200	**-3347K**
	12	200	**-3352Q**
	16	200	**-3363B**
	20	200	**-3368G**
	25	200	**-3373M**
	40	200	**-3389D**
	50	200	**-3398F**
M12	12	200	**-3403T**
	16	200	**-3414E**
	20	200	**-3419K**
	25	200	**-3424Q**
	30	200	**-**

ISO Metric A2 Stainless Steel



Size	L	Box Qty	Order Code QFT-606
M2	3	200	**-8010A**
	12	200	**-8016G**
M2.5	3	200	**-8023B**
	6	200	**-8026E**
	10	200	**-8028G**
M3	3	200	**-8077D**
	4	200	**-8080G**
	5	200	**-8083K**
	6	200	**-8088Q**
	8	200	**-8093W**
	10	200	**-8099B**
	12	200	**-8104G**
	16	200	**-8114S**
M4	4	200	**-8119Y**
	5	200	**-8123B**
	6	200	**-8128G**
	8	200	**-8133M**
	10	200	**-8138S**
	12	200	**-8143Y**
	16	200	**-8154J**
	20	200	**-8159P**
	25	200	**-8164V**
	30	200	**-8165W**
M5	5	200	**-8166X**
	6	200	**-8170A**
	8	200	**-8175F**
	10	200	**-8180L**
	12	200	**-8185R**
	16	200	**-8196C**
	20	200	**-8201H**
	25	200	**-8206N**
	30	200	**-8211T**
	35	200	**-8212V**
M6	6	200	**-8214X**
	8	200	**-8219B**
	10	200	**-8224G**
	12	200	**-8225H**
	16	200	**-8239Y**
	20	200	**-8245D**
	25	200	**-8250J**
	30	200	**-8255P**
	35	200	**-8260V**
	40	200	**-8266A**
	45	200	**-8271F**
M8	8	200	**-8280Q**
	10	200	**-8285W**
	12	200	**-8291B**
	16	200	**-8301M**
	20	200	**-8306S**
	25	200	**-8311Y**
	30	200	**-8317D**
	35	200	**-8322J**
	40	200	**-8327P**
	50	200	**-8338A**
M10	10	200	**-8343F**
	12	200	**-8348L**
	16	200	**-8358X**
	20	200	**-8364C**
	25	200	**-8369H**
	40	200	**-8384Z**
	50	200	**-8395K**
M12	12	200	**-8399P**
	16	200	**-8410A**
	20	200	**-8415F**
	25	200	**-8420L**
	30	200	**-8425R**

ISO Metric - Self Colour



Size	L	Box Qty	Order Code QFT-602
M3	3	200	**-3077D**
	4	200	**-3080G**
	5	200	**-3083K**
	6	200	**-3088Q**
	8	200	**-3093W**
	10	200	**-3099B**
	12	200	**-3104G**
	16	200	**-3114S**
M4	4	200	**-3119Y**
	5	200	**-3123B**
	6	200	**-3128G**
	8	200	**-3133M**
	10	200	**-3138S**
	12	200	**-3143Y**
	16	200	**-3154J**
	20	200	**-3159P**
	25	200	**-3164V**
M5	5	200	**-3166X**
	6	200	**-3170A**
	8	200	**-3175F**
	10	200	**-3180L**
	12	200	**-3185R**
	15	200	**-3190X**
	16	200	**-3196C**
	20	200	**-3201H**
	25	200	**-3206N**
	30	200	**-3211T**
M6	6	200	**-3214X**
	8	200	**-3219B**
	10	200	**-3224G**
	12	200	**-3229M**
	15	200	**-3234S**
	16	200	**-3239Y**
	20	200	**-3245D**
	25	200	**-3250J**
	30	200	**-3255P**
	40	200	**-3266A**
	45	200	**-3271F**
	50	200	**-3275K**
M8	8	200	**-3280Q**
	10	200	**-3285W**
	12	200	**-3291B**
	15	200	**-3296G**
	16	200	**-3301M**
	20	200	**-3306S**
	25	200	**-3311Y**
	30	200	**-3317D**
	35	200	**-3322J**
	40	200	**-3327P**
	50	200	**-3338A**
M10	10	200	**-3343F**
	12	200	**-3348L**
	15	200	**-3353R**
	16	200	**-3358X**
	20	200	**-3364C**
	25	200	**-3369H**
	30	200	**-3374N**
	40	200	**-3384Z**
	50	200	**-3395K**
M12	12	200	**-3399P**
	16	200	**-3410A**
	20	200	**-3415F**
	25	200	**-3420L**
	30	200	**-3425R**
M16	16	200	**-3461D**
	20	200	**-3466J**
	30	200	**-3476V**

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QUALFAST Socket Set Screws - Inch

High tensile alloy steel. **Grade 14.9. BS 2470.**

No.4 to 5/8" UNC - Self Colour

Thread Size	S (hex)
No. 4	.050"
No. 6	1/16"
No. 8	5/64"
No. 10	3/32"
1/4"	1/8"
5/16"	5/32"
3/8"	3/16"
1/2"	1/4"
5/8"	5/16"



Standard (Self-Colour)

Size	L	Box Qty	Order Code QFT-603
4	1/8"		-3708J
	3/16"		-3709K
	1/4"		-3712N
	5/16"		-3713P
	1/2"		-3716S
6	1/8"		-3728E
	3/16"		-3731H
	1/4"		-3734L
	1/2"		-3736N
8	1/8"		-3748A
	3/16"		-3749B
	1/4"		-3753F
	3/8"		-3762Q
	1/2"		-3764S
10	1/4"		-3774C
	3/8"		-3780J
	1/2"		-3783M
	1"		-3790V

Knurled Cup - BS EN 4168



For quick and permanent location of pulleys, collars and gears on shafts. Will hold fast even in poorly tapped holes. Interrupted profile of clamping face resists loosening due to vibration. Sizes above 1/4" are generally counterbored to provide maximum clamping efficiency.

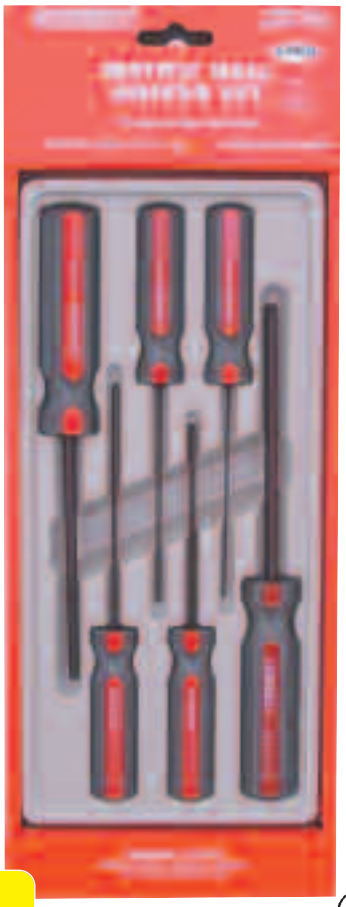
Size	L	Box Qty	Order Code QFT-603
1/4"	1/4"		-3792X
	5/16"		-3797B
	3/8"		-3800E
	1/2"		-3805K
	5/8"		-3810Q
	3/4"		-3813T
	1"		-3816X
5/16"	3/8"		-3827H
	1/4"		-3825F
	5/16"		-3826G
	1/2"		-3833P
	3/4"		-3839W
	1"		-3842Z
3/8"	3/8"		-3852J
	5/8"		-3859R
	1/2"		-3857P
	3/4"		-3862V
	1"		-3868A
	1 1/4"		-3872E
	1 1/2"		-3874G
	2"		-3878M
1/2"	1/2"		-3888X
	5/8"		-3890Z
	1"		-3897F
	1 1/4"		-3901K
	1 1/2"		-3902L
5/8"	3/4"		-3909T
	1"		-3910V

No.10 to 5/8" UNF - Self Colour

Size	L	Box Qty	Order Code QFT-603
10	1/4"		-4020X
	5/16"		-4022Z
	3/8"		-4024B
	1/2"		-4030G
	3/4"		-4032J
	1"		-4034L
1/4"	1/4"		-4037P
	5/16"		-4040S
	3/8"		-4042V
	1/2"		-4049B
	5/8"		-4050C
	3/4"		-4051D
	1"		-4054G
5/16"	1/4"		-4056J
	3/8"		-4059M
	1/2"		-4063R
	5/8"		-4065T
	3/4"		-4066V
	1"		-4068X
3/8"	3/8"		-4074C
	1/2"		-4077F
	5/8"		-4078G
	3/4"		-4081K
	1"		-4083M
1/2"	1 1/4"		-4084N
	1/2"		-4087R
	5/8"		-4088S
	3/4"		-4089T
	1"		-4093Y
5/8"	1"		-4100F

Hexagon Ball Driver Sets

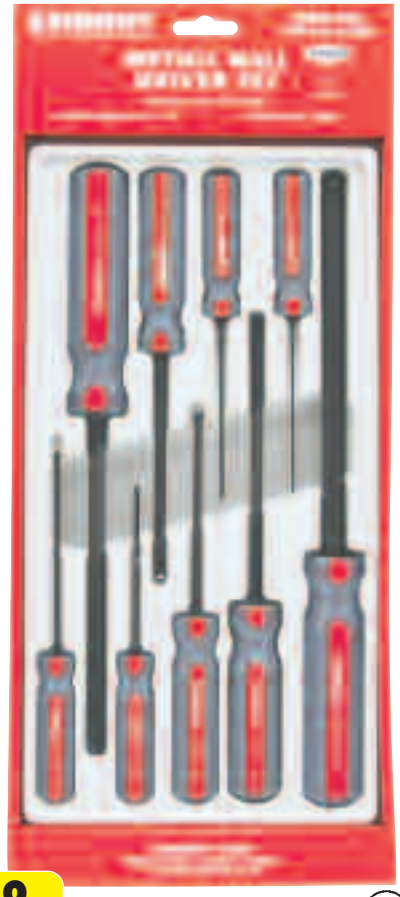
Metric 6 Piece Set Contents:
1.5, 2, 2.5, 3, 4 and 5mm.



6 PIECES **METRIC** HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
6	170g	-2560K

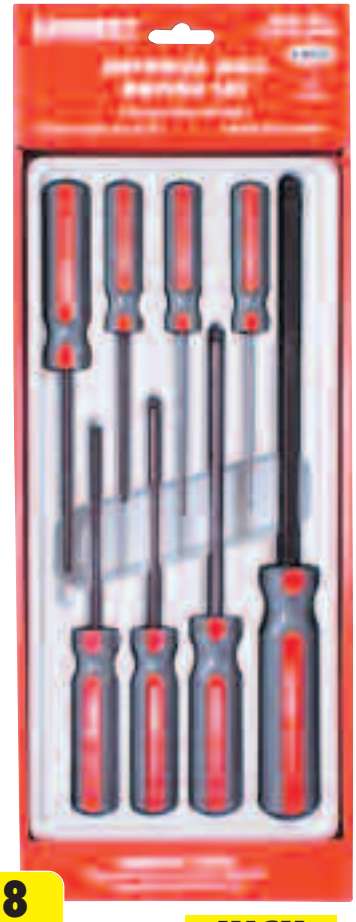
Metric 9 Piece Set Contents:
1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.



9 PIECES **METRIC** HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
9	640g	-2590K

Inch 8 Piece Set Contents:
1/16", 5/64", 1/8", 9/64", 5/32", 3/16", 1/4" and 3/8".



8 PIECES **INCH** HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
8	480g	-2640K

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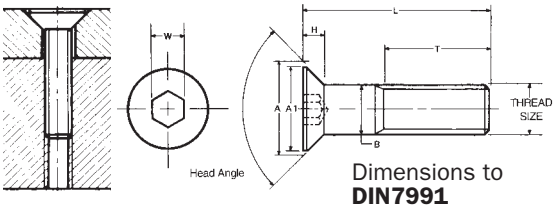
SOCKET HEAD COUNTERSUNK SCREWS

QUALFAST Socket Head Countersunk Screws

High Grade Alloy Steel to
BS EN ISO 898/1 Grade 10.9.
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C. For applications that require a flush finished surface. Precisely controlled countersink angle allows maximum flushness and sidewall contact.



Dimensions to **DIN7991**

A = Maximum theoretical sharp corner.
Inclined angle under head:
Up to M20 = 90°
Above M20 = 60°

Thread Size	Dimensions (mm) A	H	W (hex)
M2.5	5.00	1.00	1.5
M3	6.72	1.86	2.0
M4	8.96	2.48	2.5
M5	11.20	3.10	3.0
M6	13.44	3.72	4.0
M8	17.92	4.96	5.0

M2.5 to M8

Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-604	ISO Metric BZP Bright Zinc Plated (BZP) Order Code QFT-604	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
	5	200	-	-	-7010A
M2.5	6	200	-	-	-7011B
	12	200	-	-	-7014E
	6	200	-2020A	-0400A	-7020A
	8	200	-2021B	-	-7021B
	10	200	-2022C	-0400C	-7022C
	12	200	-2023D	-0400D	-7023D
M3	15	200	-2024E	-	-
	16	200	-2025F	-0400G	-7025F
	18	200	-2026G	-	-
	20	200	-2027H	-	-7027H
	25	200	-2028J	-	-7028J
	30	200	-2029K	-	-7029K
	6	200	-	-	-7030A
	8	200	-2030L	-0403B	-7030L
	10	200	-2031M	-0403C	-7031M
	12	200	-2032N	-0403D	-7032N
	15	200	-2033P	-	-
	16	200	-2034Q	-0403R	-7033P
M4	18	200	-2035R	-	-
	20	200	-2036S	-0404E	-7034Q
	25	200	-2037T	-0405F	-7037T
	30	200	-2038V	-0406G	-7038V
	35	200	-2039W	-	-7039W
	40	200	-2040X	-	-7040X
	45	200	-2040Z	-	-
	50	200	-2041D	-	-
	8	200	-2041Y	-0599Z	-7042Y
	10	200	-2042Z	-0600A	-7043Z
	12	200	-2044A	-0601B	-7044A
	14	200	-2044W	-	-
	15	200	-2045B	-	-
	16	200	-2046C	-0603D	-7046C
	18	200	-2047D	-	-
M5	20	200	-2048E	-0604E	-7048E
	25	200	-2049F	-0605F	-7049F
	30	200	-2050G	-0606G	-7050G
	35	200	-2051H	-	-7051H
	40	200	-2052J	-0607H	-7052J
	45	200	-2053K	-	-
	50	200	-2054L	-0608J	-7054L
	60	200	-2054N	-0609K	-7055M
	80	200	-	-	-7055T
	8	200	-2055M	-	-7056N
	10	200	-2056N	-0700A	-
	12	200	-2057P	-0700B	-7057P
	14	200	-2058M	-	-
	15	200	-2058Q	-	-
	16	200	-2059R	-0703D	-7059R
	18	200	-2060S	-	-
	20	200	-2061T	-0705F	-7061T
	25	200	-2062V	-0706G	-7062V
M6	30	200	-2063W	-0707H	-7063W
	35	200	-2064X	-0708J	-7064X
	40	200	-2065Y	-0709K	-7065Y
	45	200	-2066Z	-0710L	-7066Z
	50	200	-2068A	-0711M	-7068A
	55	200	-2068F	-	-
	60	200	-2068N	-0712N	-7069B
	70	200	-2068Q	-	-7070C
	75	200	-2068X	-	-7070P
	10	200	-2069B	-	-
	12	200	-2070C	-0800A	-
	15	200	-2071D	-	-
	16	200	-2072E	-0801B	-7072E
	18	200	-2073F	-	-
M8	20	200	-2074G	-0802C	-7074G
	25	200	-2075H	-0803D	-7075H
	30	200	-2076J	-0804E	-7076J
	35	200	-2077K	-0805F	-7077K
	40	200	-2078L	-0806G	-7078L
	45	200	-2079M	-0807H	-7079M
	50	200	-2080N	-0808J	-7080N

CONTINUED ON NEXT PAGE...

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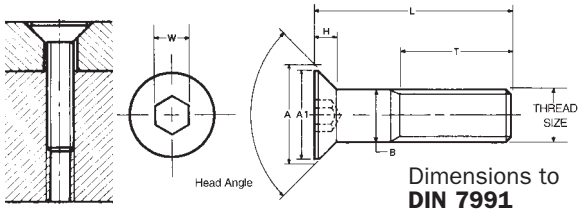
QUALFAST **Socket Head Countersunk Screws**

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 10.9.** Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C. For applications that require a flush finished surface. Precisely controlled countersink angle allows maximum flushness and sidewall contact.



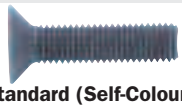
Dimensions to **DIN 7991**

A = Maximum theoretical sharp corner.
Inclined angle under head:
Up to M20 = 90°
Above M20 = 60°

Thread Size	Dimensions (mm) A	H	W (hex)
M8	17.92	4.96	5.0
M10	22.40	6.20	6.0
M12	26.88	7.44	8.0
M14	26.00	9.95	10.0
M16	33.60	8.80	10.0
M20	40.32	9.48	12.0

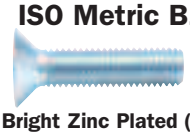
M8 to M20

ISO Metric - Self Colour



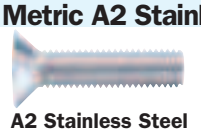
Standard (Self-Colour)

ISO Metric BZP



Bright Zinc Plated (BZP)

ISO Metric A2 Stainless



A2 Stainless Steel

Size	L	Box Qty	Order Code QFT-604	Order Code QFT-604	Order Code QFT-606
	55	100	-2081P	-	-
	60	100	-2082Q	-0810L	-7082Q
	65	100	-	-	-7083R
M8	70	100	-2083R	-0812M	-7084S
con't	80	50	-2083V	-0814P	-7085G
	90	10	-2083T	-	-
	95	10	-2083W	-	-
	100	10	-2083Z	-	-7086H
	12	200	-2084S	-	-
	15	200	-2085T	-	-
	16	200	-2086V	-0899B	-7086V
	18	200	-	-	-
	20	200	-2088X	-0900A	-7087W
	25	200	-2089Y	-0901B	-7089Y
	30	200	-2090Z	-0902C	-7090Z
	35	200	-2092A	-0903D	-7092A
	40	100	-2093B	-0904E	-7093B
	45	100	-2094C	-0905F	-7093C
M10	50	100	-2095D	-0906G	-7094C
	55	100	-2096E	-0907H	-
	60	100	-2097F	-0908J	-7095D
	65	50	-2098A	-	-
	70	50	-2098G	-0910L	-
	75	50	-2099B	-0911M	-
	80	50	-2099H	-	-7097F
	90	50	-2100J	-	-
	100	50	-2101K	-	-
	110	50	-2101L	-	-
	120	50	-2101M	-	-
	16	100	-	-	-
	20	100	-2102L	-1000A	-7102L
	25	100	-2103M	-1001B	-7103M
	30	100	-2104N	-1002C	-7104N
	35	100	-2105P	-1003D	-7105P
	40	100	-2106Q	-1004E	-7106Q
	45	50	-2107R	-1005F	-7107R
	50	50	-2108S	-1006G	-7108S
M12	55	50	-2109T	-	-
	60	50	-2110V	-1008J	-7110V
	65	50	-2111D	-	-
	70	50	-2111W	-	-
	75	50	-2112F	-	-7112L
	80	50	-2112X	-1012P	-7112X
	90	50	-2113Y	-1014R	-7113Y
	100	50	-2114Z	-	-
	120	50	-2115R	-	-
	30	50	-2118C	-1230G	-
	35	50	-2119D	-	-
	40	50	-2120E	-1232J	-
	45	50	-2121F	-1232K	-
	50	50	-2122G	-1233K	-
	55	25	-2123H	-	-
M16	60	25	-2124J	-1234L	-
	70	25	-2125K	-	-
	75	25	-2126A	-	-
	80	25	-2126L	-	-
	90	25	-2127M	-	-
	100	25	-2128N	-	-
	120	25	-2130Q	-	-
	40	25	-2137Y	-	-
	45	25	-2138Z	-	-
	50	25	-2139A	-	-
	55	25	-2141F	-	-
M20	60	25	-2142C	-	-
	70	25	-2143D	-	-
	80	25	-2144E	-	-
	90	25	-2145F	-	-
	100	25	-2146G	-	-

FASTENERS

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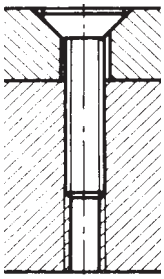
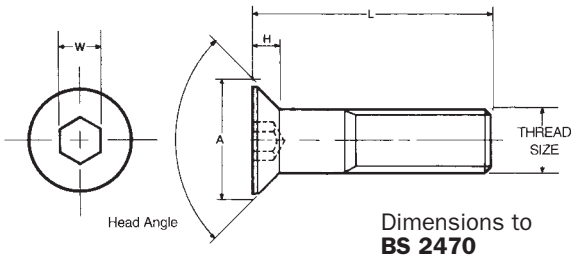
SOCKET HEAD COUNTERSUNK SCREWS

QUALFAST *Socket Head Countersunk Screws - Inch - Self Colour*

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 10.9.**
Suitable for all high tensile applications.
Maximum operating temperature (unplated): 300°C.
For applications that require a flush finished surface.
Precisely controlled countersink angle allows maximum flushness and sidewall contact.





A = Maximum theoretical sharp corner.

Dimensions to **BS 2470**

Inclined angle under head: Up to M20 = 91°/89°

UNC, UNF

Thread Size	Dimensions (mm) A	H	W (hex)
4	.255	.083	1/16"
6	.307	.097	5/64"
8	.359	.112	3/32"
10	.411	.127	1/8"
1/4"	.531	.161	5/32"
5/16"	.656	.198	3/16"
3/8"	.781	.234	7/32"
1/2"	.938	.251	5/16"

No.4 to 1/2" — **UNC**



Standard (Self-Colour)

Size	L	Order Code QFT-605
	1/4"	-2204E
4	3/8"	-2205F
100	1/2"	-2206G
Box	3/4"	-2207H
	1/4"	-2213P
6	3/8"	-2214Q
100	1/2"	-2215R
Box	3/4"	-2216S
	3/8"	-2218V
	1/2"	-2219W
8	5/8"	-2220G
100	3/4"	-2220X
Box	1"	-2221Y
	3/8"	-2224A
	1/2"	-2225B
10	5/8"	-2226C
100	3/4"	-2227D
Box	1"	-2229F
	1/4"	-2239R
	3/8"	-2231H
	1/2"	-2232J
1/4"	5/8"	-2233K
100	3/4"	-2234L
Box	1"	-2235M
	1 1/4"	-2236N
	1 1/2"	-2237P
	1/2"	-2241T
	5/8"	-2242V
	3/4"	-2243W
5/16"	1"	-2245Y
100	1 1/4"	-2246Z
Box	1 1/2"	-2248A
	2"	-2250C
	2 1/2"	-2252E
	3/4"	-2254G
	1"	-2256J
3/8"	1 1/4"	-2257K
100	1 1/2"	-2258L
Box	2"	-2260A
	2 1/2"	-2261P
100	3/4"	-2266V
Box	1/2"	-2268X
	1"	-2267W
1/2"	1 1/2"	-2269Y
	1 3/4"	-2270B
50	2"	-2270Y
Box	3"	-2271L

No.2 to 3/8" — **UNC**



A2 Stainless Steel

Size	L	Order Code QFT-606
2	1/4"	-7500A
4	1/4"	-7530A
100	3/8"	-7531B
Box	1/2"	-7532C
6	1/4"	-7570A
100	1/2"	-7572C
Box	5/8"	-7573D
	3/8"	-7591B
	1/2"	-7592C
8	3/4"	-7593D
100	1"	-7594E
Box	1 1/4"	-7595F
	3/8"	-7610A
10	1/2"	-7611B
100	3/4"	-7612C
Box	1 1/2"	-7614E
	1/2"	-7630A
1/4"	3/4"	-7632C
100	1"	-7633D
Box	1 1/2"	-7634E
5/16"	3/4"	-7641B
100	1"	-7642C
3/8"	3/4"	-7651B
100	1"	-7652C
Box	1 1/2"	-7653D

No.10 to 1/2" — **UNF**



Standard (Self-Colour)

Size	L	Order Code QFT-605
	3/8"	-2382C
	1/2"	-2383D
10	5/8"	-2384E
100	3/4"	-2385F
Box	1"	-2386G
	1/2"	-2390L
	5/8"	-2391M
1/4"	3/4"	-2392N
100	1"	-2393P
Box	1 1/2"	-2394Q
	3/4"	-2397T
5/16"	1"	-2399W
100	1 1/4"	-2400X
Box	1 1/2"	-2401Y
	3/4"	-2404A
3/8"	1"	-2405B
100	1 1/4"	-2406C
Box	1 1/2"	-2407D
	1"	-2411H
1/2"	1 1/4"	-2412J
100	1 1/2"	-2413K
Box	2"	-2415M

No.10 to 3/8" — **UNF**



A2 Stainless Steel

Size	L	Order Code QFT-606
	3/8"	-7700A
10	1/2"	-7701B
100	3/4"	-7702C
Box	1"	-7703D
1/4"	1/2"	-7705F
100	3/4"	-7706G
Box	1 1/2"	-7708J
3/8"	1 1/2"	-7715R

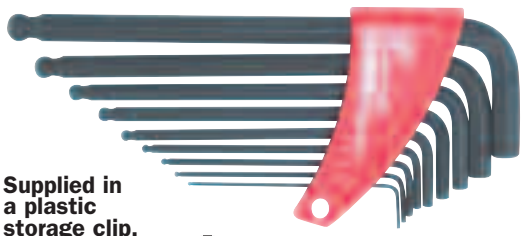


KENNEDY *Ball Driver L-Wrenches*

Manufactured from fully hardened carbon steel. A quality ductile key with precision cut ends and accurate AF dimensional to ensure maximum socket contact. Ball end allows up to 30° work offset. Long arm end is ball drive and short arm end plain. Black oxidised finish.

Metric 7 Piece
Set Contents:
1.5, 2, 2.5, 3, 4, 5 and 6mm.

Metric 9 Piece
Set Contents: 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.



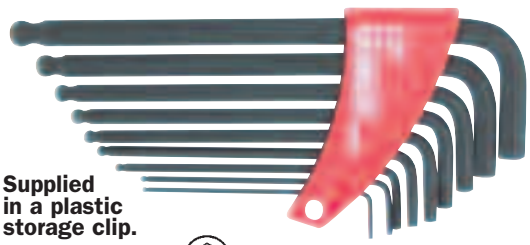
Supplied in a plastic storage clip.

METRIC HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
7	110g	-4570K
9	350g	-5500K

Inch 7 Piece
Set Contents:
5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16".

Inch 9 Piece
Set Contents: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".



Supplied in a plastic storage clip.

INCH HEXAGON

Number of Pieces	Weight each	Order Code KEN-602
7	80g	-5580K
9	370g	-5730K

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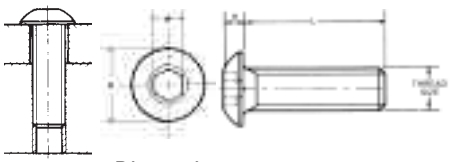
QUALFAST Socket Head Button Screws

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 10.9.** For high tensile applications. Maximum operating temperature (unplated): 300°C. For materials that are too thin to countersink. Low head profile for a smooth finished appearance. Also suitable for non-critical loading requiring heat treated fasteners.



Dimensions to **BS EN ISO 7380**

Thread Size	Dimensions (mm) A	H	W (hex)
M3	5.50	1.5	2.0
M4	7.60	2.2	2.5
M5	9.50	2.8	3.0
M6	10.50	3.3	4.0
M8	14.00	4.4	5.0
M10	17.30	5.4	6.0
M12	20.70	6.4	8.0

M3 to M12

Size	L	Box Qty	ISO Metric - Self Colour Standard (Self-Colour) Order Code QFT-604	ISO Metric BZP Bright Zinc Plated (BZP) Order Code QFT-604	ISO Metric A2 Stainless A2 Stainless Steel Order Code QFT-606
	5	200	-0198X	-4009Z	-
	6	200	-0200A	-4100A	-5529M
	8	200	-0201B	-4100C	-5529T
	10	200	-0202C	-4100E	-5530A
M3	12	200	-0203D	-4100G	-5530J
	16	200	-0206G	-	-5531K
	20	200	-0206T	-	-5531P
	25	200	-0207B	-	-5531T
	30	200	-0207D	-	-5531W
	6	200	-0207F	-4100X	-5532D
	8	200	-0207H	-4100Z	-5532T
	10	200	-0208J	-4101B	-5532Y
	12	200	-0209K	-4102C	-5533G
	15	200	-0211M	-	-
M4	16	200	-0212N	-4103D	-5533R
	20	200	-0212T	-4104E	-5534B
	25	200	-0212V	-4106G	-5534G
	30	200	-0212X	-4107H	-5534K
	35	200	-0212Y	-	-
	40	200	-0212Z	-4109K	-5534R
	6	200	-0213E	-	-
	8	200	-0213L	-4196F	-5535G
	10	200	-0213P	-4200A	-5535H
	12	200	-0214Q	-4201B	-5535R
	15	200	-0216S	-	-
	16	200	-0217T	-4202C	-5535Y
M5	18	200	-0217W	-	-
	20	200	-0219W	-4203D	-5536G
	22	200	-0220X	-	-5536R
	25	200	-0221Y	-4204E	-5536Y
	30	200	-0222Q	-4205F	-
	35	200	-0222T	-	-5537B
	40	200	-0223A	-	-5537H
	50	200	-0223C	-	-5537T
	8	200	-0223D	-4298Z	-5537X
	10	200	-0224A	-4300A	-5538A
	12	200	-0225B	-4301B	-5538F
	15	200	-0227D	-	-
	16	200	-0228E	-4302C	-5538R
	18	200	-0229F	-	-
	20	200	-0230G	-4303D	-5539D
M6	25	200	-0232J	-4304E	-5539K
	30	200	-0233K	-4305F	-5539T
	35	200	-0233M	-4306G	-5539V
	40	200	-0233Q	-4307H	-5539W
	45	200	-0233T	-4308J	-
	50	200	-0233X	-4309K	-5539Z
	60	200	-	-4311M	-
	70	200	-	-4315R	-
	10	200	-0234L	-4400A	-5543J
	12	200	-0235M	-	-5544A
	16	200	-0238Q	-4401B	-5544K
	20	200	-0240S	-4402C	-5545A
	25	200	-0242V	-4403D	-5545R
M8	30	200	-0243W	-4404E	-5546B
	35	200	-0244X	-4405F	-5546K
	40	200	-0245Y	-4406G	-5547C
	45	200	-0246B	-	-5548D
	50	200	-0246H	-4408J	-5549E
	60	200	-0246Z	-4409K	-5551G
	70	200	-	-	-5552H
	80	200	-	-	-5553J
	12	200	-	-	-5586M
	16	200	-0249B	-	-5587N
	20	200	-0251D	-4502C	-5588P
	25	200	-0253F	-4503D	-5590A
M10	30	200	-0254G	-4504E	-5591B
	35	200	-0255H	-4505G	-5592C
	40	100	-0256J	-4506H	-5593D
	45	100	-0257B	-	-
	50	100	-0257L	-	-5594E
	60	100	-0257N	-4509L	-
	70	100	-0257T	-	-
	16	100	-0259M	-	-
	20	100	-0261P	-4602C	-5598W
	25	100	-0263R	-4603D	-5599X
M12	30	100	-0264S	-4604E	-5600A
	35	100	-0265T	-4605F	-
	40	50	-0266V	-4606G	-5602C
	45	50	-	-4607H	-
	50	50	-0268X	-4608J	-5603D

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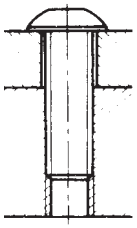
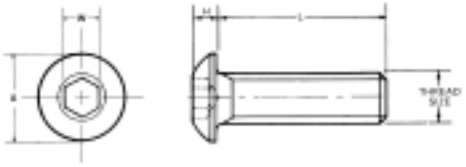
SOCKET HEAD BUTTON SCREWS/FLANGE BUTTON SCREWS

QUALFAST Socket Head Button Screws

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 10.9.**
Suitable for all high tensile applications. Maximum operating temperature (unplated): 300°C. For materials that are too thin to countersink. Low head profile for a smooth finished appearance. Also suitable for non-critical loading requiring heat treated fasteners.

Thread Size	Dimensions (mm) A	H	W (hex)
UNC/UNF			
6	.262	.073	5/64
8	.312	.087	3/32
10	.361	.101	1/8
1/4	.437	.132	5/32
5/16	.547	.166	3/16





UNC/UNF Dimensions to **ANSI B 18.3**
BSW/BA Dimensions to **BS 2470**

No.10 to 5/16" UNF - Self Colour



Standard (Self-Colour)

Size	L	Box Qty	Order Code QFT-605
10	1/4"	100	**-0350A**
	3/8"	100	**-0351B**
	1/2"	100	**-0352C**
	5/8"	100	**-0353D**
	3/4"	100	**-0354E**
	1"	100	**-0355F**
1/4"	1/2"	100	**-0357H**
	3/4"	100	**-0359K**
	1"	100	**-0361L**
5/16"	1/2"	200	**-0362M**
	5/8"	200	**-0363M**
	3/4"	200	**-0364N**

No.4 to 3/8" UNC - Self Colour



Standard (Self-Colour)

Size	L	Box Qty	Order Code QFT-605
4	1/4"	100	**-0293D**
	3/8"	100	**-0294E**
6	1/4"	100	**-0295F**
	3/8"	100	**-0296G**
	1/2"	100	**-0297H**
8	1/4"	100	**-0300L**
	3/8"	100	**-0301M**
	1/2"	100	**-0302N**
	3/4"	100	**-0303Y**
10	1/4"	100	**-0305R**
	3/8"	100	**-0306S**
	1/2"	100	**-0307T**
	3/4"	100	**-0309W**
	1"	100	**-0311Y**
1/4"	3/8"	100	**-0313Z**
	1/2"	100	**-0314A**
	5/8"	100	**-0315B**
	3/4"	100	**-0316C**
	1"	100	**-0318B**
5/16"	1/2"	100	**-0319E**
	5/8"	100	**-0320G**
	3/4"	100	**-0321H**
	1"	100	**-0322J**
3/8"	1/2"	100	**-0323J**
	3/4"	100	**-0324L**
	1"	100	**-0326N**

QUALFAST Stainless Fastener Assortments

A2 Stainless Steel Socket Button Screw Kit

Contents: M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25 and M8 x 30mm.



Type	Average Quantity	Order Code QFT-615
Metric	310	**-4420K**

KENNEDY Fix-it Kits

Metric Socket Screws - Button Head

Sizes: M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30. **ISO 7380.**



Average Quantity	Weight each	Order Code KEN-615
310	1.80kg	**-5010K**

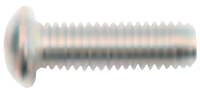
Metric Socket Screws - BZP Button Head

Sizes: M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30. **ISO 7380.**



Average Quantity	Weight each	Order Code KEN-615
310	1.80kg	**-5020K**

No.4 to 5/16" UNC Stainless A2 Steel

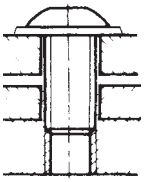


A2 Stainless Steel

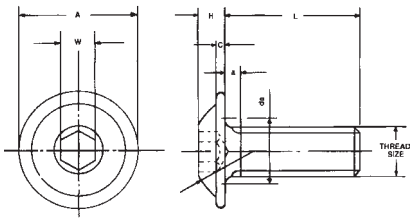
Size	L	Box Qty	Order Code QFT-606
4	1/4"	100	**-5625G**
	3/8"	100	**-5626H**
	1/2"	100	**-5627J**
	3/4"	100	**-5628K**
6	3/8"	100	**-5632T**
	1/2"	100	**-5633V**
	3/4"	100	**-5634W**
	1	100	**-5635X**
8	1/4"	100	**-5640A**
	3/8"	100	**-5641B**
	1/2"	100	**-5642C**
	3/4"	100	**-5643D**
	1"	100	**-5644E**
10	1/4"	100	**-5650K**
	3/8"	100	**-5651L**
	1/2"	100	**-5652M**
	3/4"	100	**-5653N**
	1"	100	**-5654P**
1/4"	1/2"	100	**-5670A**
	3/4"	100	**-5671B**
	1"	100	**-5672C**
5/16"	1/2"	100	**-5680R**
	3/4"	100	**-5681S**
	1"	100	**-5682T**
	1 1/2"	100	**-5683V**

Socket Head Flange Button Screws

An extra wide flange below the button head makes these fasteners ideal for fixing strips cover plates and sheet metal housings that require a greater load spread.



Thread Size	Dimensions (mm) A	H	W (hex)
M4	9.29	2.2	2.5
M5	11.40	2.8	3.0
M6	13.59	3.3	4.0
M8	17.00	4.4	5.0
M10	20.80	5.4	6.0



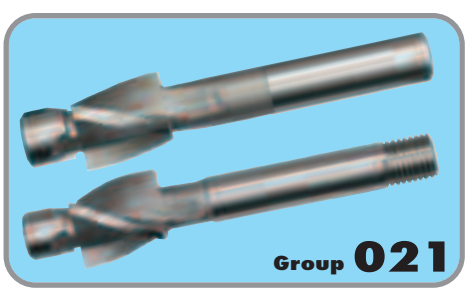
Dimensions to **BS EN ISO 898/1 Grade 10.9 DIN 7380**

M3 to M10 ISO Metric - Self Colour



Standard (Self-Colour)

Size	L	Box Qty	Order Code QFT-604
M3	8	200	**-3001B**
	10	200	**-3002C**
	12	200	**-3003D**
M4	6	200	**-3008J**
	8	200	**-3009K**
	10	200	**-3010L**
	12	200	**-3011M**
	16	200	**-3013P**
M5	8	200	**-3019W**
	10	200	**-3020X**
	12	200	**-3021Y**
	14	200	**-3022Z**
	16	200	**-3023A**
	20	200	**-3024B**
	25	200	**-3026D**
M6	8	200	**-3031J**
	10	200	**-3032K**
	12	200	**-3033L**
	16	200	**-3035N**
	20	200	**-3036P**
	25	200	**-3038R**
	30	200	**-3039S**
	35	200	**-3040T**
	40	200	**-3041V**
	50	200	**-3043X**
M8	10	200	**-3044Y**
	12	200	**-3045Z**
	16	200	**-3047B**
	20	200	**-3048C**
	25	200	**-3050E**
	30	200	**-3051F**
	35	200	**-3052G**
	50	200	**-3055K**
M10	16	200	**-3058N**
	20	200	**-3059P**
	25	200	**-3061R**
	30	200	**-3062S**



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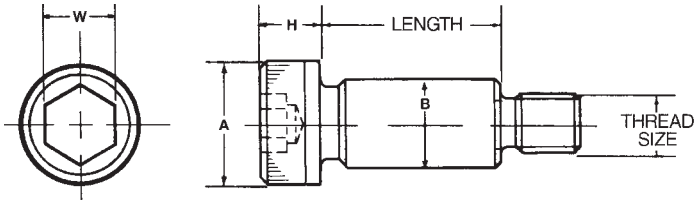
QUALFAST Socket Head Shoulder Screws - Metric

High Grade Alloy Steel to **BS EN ISO 898/1 Grade 12.9.** Suitable for replacing costly components such as shafts, pivots, guides, pins, linkages and trunion mountings. Also commonly used in the die mould industry. Maximum operating temperature (unplated): 300°C.



Dimensions to **ISO 7379**
Body Diameter to h8

Thread Size	Dimensions (mm) B	A	H	W (hex)
M5	6.0	10.0	4.5	3.0
M6	8.0	13.0	5.5	4.0
M8	10.0	16.0	7.0	5.0
M10	12.0	18.0	9.0	6.0
M12	16.0	24.0	12.0	8.0
M16	20.0	30.0	14.0	10.0
M20	24.0	36.0	16.0	12.0
M24	28.0	40.0	18.0	14.0

Thread Size	Dimensions (mm) B	A	H	w (hex)
3/16"	0.2480	0.375	0.188	1/8"
1/4"	0.3105	0.437	0.219	5/32"
5/16"	0.3730	0.562	0.250	3/16"
3/8"	0.4980	0.750	0.313	1/4"
1/2"	0.6230	0.875	0.375	5/16"
5/8"	0.7480	1.000	0.500	3/8"
3/4"	0.9980	0.132	0.625	1/2"

M5 to M20 — ISO Metric



Standard (Self-Colour)

Thread Size	L	Order Code QFT-610
	10	**-0510A**
	12	**-0512C**
	15	**-0515F**
	16	**-0516G**
	20	**-0520L**
M5	25	**-0525R**
50	30	**-0530X**
Box	40	**-0540H**
	45	**-0545N**
	50	**-0541J**
	60	**-0547Q**
	10	**-0610Y**
	12	**-0612A**
	15	**-0615F**
M6	16	**-0616G**
50	20	**-0620L**
Box	25	**-0625R**
	30	**-0630X**
	35	**-0635C**
	40	**-0640H**
	45	**-0645K**
	50	**-0650J**
M6	60	**-0651K**
50	65	**-0651T**
Box	70	**-0652L**
	75	**-0653A**
	80	**-0653M**
	90	**-0655P**
	10	**-0810A**
	12	**-0812C**
	15	**-0815F**
	16	**-0816G**
	20	**-0820L**
	25	**-0825R**
	30	**-0830X**
	35	**-0835C**
M8	40	**-0840H**
50	45	**-0845N**
Box	50	**-0850T**
	60	**-0860V**
	65	**-0865A**
	70	**-0870Q**
	80	**-0880B**
	90	**-0890D**
	100	**-0900F**
	120	**-0920H**

Thread Size	L	Order Code QFT-610
	15	**-1015F**
	16	**-1016G**
	20	**-1020L**
	25	**-1025R**
	30	**-1030S**
	35	**-1035T**
	40	**-1040H**
M10	45	**-1045K**
25	50	**-1050T**
Box	55	**-1055Y**
	60	**-1060E**
	70	**-1070Q**
	80	**-1080B**
	90	**-1090C**
	100	**-1100Z**
	120	**-1120H**
	140	**-1140D**
	20	**-1220V**
	25	**-1225W**
	30	**-1230X**
M12	35	**-1235C**
25	40	**-1240H**
Box	50	**-1250T**

Thread Size	L	Order Code QFT-610
	60	**-1260E**
	70	**-1270Q**
M12	80	**-1280B**
25	90	**-1290L**
Box	100	**-1300Z**
	120	**-1320Z**
	140	**-1340B**
	40	**-1640H**
	50	**-1650T**
	60	**-1660Z**
	70	**-1670Q**
M16	80	**-1680B**
10	90	**-1690L**
Box	100	**-1700Z**
	120	**-1720Z**

1/4" to 5/8 — UNC



Thread Size	Dimensions (mm) B	A	H	W (hex)
1/4"	.3105	.437	.219	5/32"
5/16"	.3730	.562	.250	3/16"
3/8"	.4980	.750	.313	1/4"
5/8"	.7480	1.000	.500	3/8"

Standard (Self-Colour)

Thread Size	L	Order Code QFT-611
1/4"	3/8"	**-4611A**
25	1"	**-4614D**
	1"	**-4714D**
5/16"	1 1/2"	**-4716F**
25	2 1/2"	**-4720K**
Box	2 3/4"	**-4721L**

Thread Size	L	Order Code QFT-611
	1"	**-4814D**
	2"	**-4818H**
3/8"	2 1/2"	**-4820K**
	2 3/4"	**-4821L**
25	3"	**-4822M**
Box	3 1/2"	**-4824P**

Thread Size	L	Order Code QFT-611
5/8"	1 1/2"	**-5011A**
	2 1/4"	**-5014D**
25	2 1/2"	**-5015E**
Box		
10	4"	**-5021L**
Box		

KENNEDY Fix-it Kits

Socket Head Cap Screws

Metric Kit Contents:
M5 x 16,
M5 x 20,
M6 x 20,
M6 x 25,
M8 x 25,
M8 x 30,
M10 x 25,
M10 x 30,
M12 x 20,
M12 x 25,
M12 x 30mm.



UNF Kit Contents:
3/16 x 1/2, 3/16 x 3/4,
3/16 x 1, 1/4 x 3/4,
1/4 x 1, 1/4 x 1 1/4,
5/16 x 3/4, 5/16 x 1,
5/16 x 1 1/2, 3/8 x 3/4,
3/8 x 1, 3/8 x 1 1/2.



Type	Average Quantity	Weight each	Order Code KEN-615
Metric	100	1.15kg	**-4630K**
UNF	100	1.20kg	**-4640K**

NEW

Metric Socket Set Screws

Cup Point
Sizes: M4 x 4, 8 and 10. M5 x 5, 8, 10. M6 x 6, 8, 10 and 12.
DIN 916.



Average Quantity	Weight each	Order Code KEN-615
2000	1.87kg	**-5140K**

FASTENERS

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MATLOCK Screw Organiser

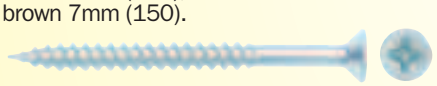
2880 Pieces
Silver-TT™ Twin Thread Woodscrew Set

Set Contents:
No.6 x ¾"(325),
No.6 x 1"(375),
No.8 x 1"(575),
No.8 x 1¼"(400),
No.8 x 1½"(300),
No.8 x 2"(200),
No.8 x 2½"(75),
No.10 x 2"(70),
No.10 x 2½"(60),
No.10 x 3"(50).

Fixing Plugs:
red 5.5mm (300),
brown 7mm (150).

PZ





Type	Weight each	Order Code MTL-615
Wood Screws	9.15kg	-0010K

Screw Organiser

2880 Pieces
Gold-ZP™ Fibre Board
Woodscrew Set

Set Contents:
3.5 x 20mm (325),
3.5 x 25 (375),
4.0 x 25 (575),
4.0 x 30(400),
4.0 x 40 (300),
4.0 x 50 (200),
4.0 x 60 (75),
5.0 x 50(70),
5.0 x 60 (60),
5.0 x 70 (50).

Fixing Plugs:
red 5.5mm (300),
brown 7mm (150).

PZ





Type	Average Quantity	Order Code MTL-615
Fibreboard Screws	2880	-0020K

KENNEDY Fix-it Kits

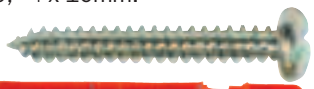
Self-Tapping Screws
Contents:
Slotted Zinc-Plated Countersunk: 4 x ¼, 4 x ⅝, 4 x ¾, 6 x ½, 6 x ¾, 6 x 1, 8 x ½, 8 x ¾, 8 x 1, 10 x ½, 10 x ¾, 10 x 1.

Pan Head: 4 x ½, 4 x ¾, 6 x ½, 6 x ¾, 8 x ½, 8 x ¾, 10 x ½, 10 x ¾, 10 x 1mm.

Pozi Pan Head: 4 x ½, 6 x ½, 8 x ½, 10 x ½, 12 x ½, 4 x ¾, 6 x ¾, 8 x ¾, 10 x ¾, 12 x ¾, 6 x 1, 8 x 1, 10 x 1.

Flange: ½ x 6, ⅝ x 6, ¾ x 6, ½ x 8, ¾ x 8, ½ x 10, ¾ x 10mm.

PZ



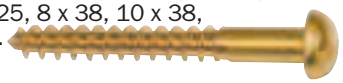


Type	Average Quantity	Order Code KEN-615
Countersunk	700	-4050K
Pan Head (s)	700	-4060K
Pan Head (p)	700	-4600K
Flange	700	-4610K

Round Head Wood Screws

NEW

Contents:
Brass Slotted: 4 x 18, 6 x 18, 6 x 25, 8 x 18, 8 x 25, 8 x 38, 10 x 38, 10 x 50mm.





Type	Avg Qty	Weight each	Order Code KEN-615
Wood Screws	375	1.30kg	-4720K

Countersunk Wood Screws

Contents:
Slotted Zinc-Plated: ½ x 4, ¾ x 4, ¾ x 6, 1 x 6, ½ x 8, ¾ x 8, 1 x 10, 1½ x 10mm.

Pozidriv® Zinc-Plated: ½ x 4, ¾ x 4, ¾ x 6, 1 x 6, ½ x 8, ¾ x 8, 1 x 10, 1½ x 10mm.

PZ



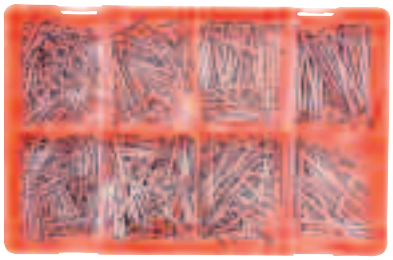


Type	Average Quantity	Order Code KEN-615
Zinc Slotted	350	-4360K
Pozidriv®	350	-4370K

Wire Nails



Contents:
Round wire: 1, 1½, 2, 2½".
Oval wire: 1, 1½, 2, 2½".



Type	Avg Qty	Weight each	Order Code KEN-615
Wood Nails	525	1.35kg	-4340K

Wall Plugs

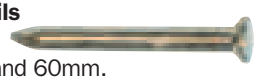
Contents: yellow, red, brown and blue.





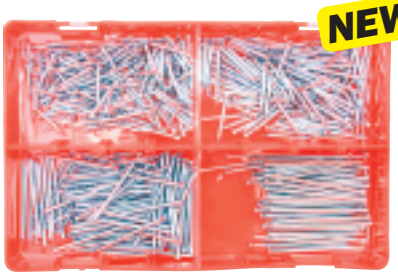
Type	Average Quantity	Order Code KEN-615
Wall Plugs	220	-4740K

Masonry Nails



Contents:
25, 30, 50 and 60mm.

NEW



Type	Avg Qty	Weight each	Order Code KEN-615
Masonry Nails	450	2.10kg	-4700K

SENATOR QUALITY TOOLING Nail Hardware Kit

Contents includes:
Bright Nails: 1.3 x 22.2mm - x100, 2.0 x 25.4mm - x80, 1.7 x 31.8mm - x80, 2.1 x 38.1mm - x50, 2.0 x 38.1mm - x30 and 2.6 x 50.8mm - x20.

Panel Pins: 1.6 x 31.8mm - x80 and 1.7 x 25.4mm - x80.

Masonry Nails: 2.3 x 31mm - x30.

NEW



Type	Average Quantity	Order Code SEN-615
Nail Hardware Kit	550	-6010K

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KENNEDY QUALITY INDUSTRIAL TOOLING *Fix-it Kits*

NEW

Metric Socket Screws - BZP

Button Head
Sizes: M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
ISO 7380.



Average Quantity	Weight each	Order Code KEN-615
310	1.80kg	**-5020K**

Cap Screws - Socket Head

Metric Kit Contents:
M5 x 16, M5 x 20, M6 x 20, M6 x 25, M8 x 25, M8 x 30, M10 x 25, M10 x 30, M12 x 20, M12 x 25, M12 x 30mm.

UNF Kit Contents:
3/16 x 1/2, 3/16 x 3/4, 3/16 x 1, 1/4 x 3/4, 1/4 x 1, 1/4 x 1 1/4, 5/16 x 3/4, 5/16 x 1, 5/16 x 1 1/2, 3/8 x 3/4, 3/8 x 1, 3/8 x 1 1/2.

BEST SELLER



Type	Average Quantity	Order Code KEN-615
Metric	100	**-4630K**
UNF	100	**-4640K**

Metric Socket Set Screws

Cup Point
Sizes: M4 x 4, 8 and 10. M5 x 5, 8, 10. M6 x 6, 8, 10 and 12.
DIN 916.

NEW



Average Quantity	Weight each	Order Code KEN-615
2000	1.87kg	**-5140K**

Metric Socket Screws - Button Head

Sizes: M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
ISO 7380.

NEW



Average Quantity	Weight each	Order Code KEN-615
310	1.80kg	**-5010K**

Metric Socket Head Countersunk Screws

Metric: M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25, M8 x 30
DIN 7991.

NEW



Average Quantity	Weight each	Order Code KEN-615
410	1.99kg	**-5090K**

Set Screws, Nuts & Washers

Contents:
Metric: Grade 8.8: M6 x 25, M6 x 40, M8 x 25, M8 x 40 and M10 x 25, M10 x 40mm.
UNF: Grade 'S': 1/4" x 3/4", 1/4" x 1", 5/16 x 1", 5/16" x 1 1/4", 3/8" x 1", 3/8" x 1 1/2".
UNC: Grade 'S': 1/4" x 3/4", 1/4" x 1", 5/16" x 1", 5/16" x 1 1/4", 3/8" x 1", 3/8" x 1 1/2".



Type	Average Quantity	Weight each	Order Code KEN-615
Metric	288	2.2kg	**-4110K**
UNF	264	2.1kg	**-4120K**
UNC	264	2.2kg	**-4130K**

Metric Socket Screws - BZP

Cap Head
Sizes: M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 16, 20 and 25.
DIN 912. Grade 12.9.

NEW



Average Quantity	Weight each	Order Code KEN-615
240	1.91kg	**-5060K**

Metric Socket Screws - BZP

Countersunk
Sizes: M5 x 12, 16 & 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
DIN 7991.

NEW



Average Quantity	Weight each	Order Code KEN-615
410	2.00kg	**-5100K**

FASTENERS

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KENNEDY Fix-it Kits

EXTENDED RANGE

Machine Screws & Nuts
Steel - Pan Head:
M3 x 12, M3 x 16, M3 x 20, M4 x 8, M4 x 10, M4 x 12, M4 x 16, M4 x 20, M4 x 25, M5 x 10, M5 x 12, M5 x 16, M5 x 20, M6 x 10, M6 x 12, M6 x 16, M6 x 20 and M6 x 25.

Brass - Round Head Plus Washers:
4BA x ¾", 4BA x 1", 4BA x 1½", 2BA x ¾", 2BA x 1" and 2BA x 1½".



Type	Average Quantity	Weight each	Order Code KEN-615
Steel	600	1.15kg	-4290K
Brass	390	1.90kg	-4300K

SENATOR QUALITY TOOLING Fix-it Kits

NEW

Set Screws, Nuts & Washers - BZP
Made from bright zinc plated machine and tempered low carbon steel, rust- and corrosion-resistant.

Contents:

Screws:				Nuts:		Washers:	
M4 x 12 -	x10,	M6 x 30 -	x10,	M4 -	x20,	M4 -	x20,
M4 x 20 -	x10,	M8 x 25 -	x5,	M5 -	x20,	M5 -	x20,
M5 x 16 -	x10,	M8 x 40 -	x5,	M6 -	x20,	M6 -	x20,
M5 x 25 -	x10,	M10 x 16 -	x5,	M8 -	x10,	M8 -	x10,
M6 x 20 -	x10,	M10 x 40 -	x5.	M10 -	x10,	M10 -	x10.



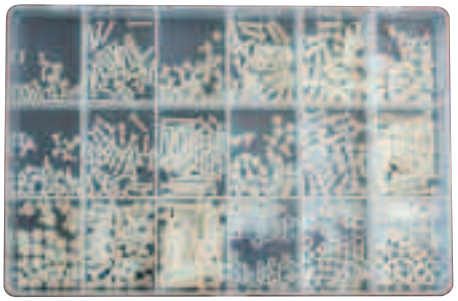
Type	Average Quantity	Order Code SEN-615
Set Screws, Nuts & Washers Kit	240	-6110K

KENNEDY Fix-it Kits

Metric Nylon Machine Screw, Nut & Washer Kit

Contents (25 of each):
Countersunk head - Slotted Plus Nuts & Washers:
M3 x 8, M3 x 16, M4 x 8, M4 x 16, M4 x 20, M5 x 8 and M5 x 16,

Cheese head - Slotted + Nuts & Washers:
M3 x 6, M3 x 12, M3 x 25, M4 x 8, M4 x 6, M4 x 12, M4 x 25, M5 x 6, M5 x 12 and M5 x 25.



Type	Avg Qty	Weight each	Order Code KEN-615
Nylon	525	577g	-4100K

Nyloc Zinc Plated Nuts

Contents:
M5, M6, M8, M10, M12, M14 and M16.



Type	Avg Qty	Weight each	Order Code KEN-615
Metric	300	1.10kg	-4180K

Metric Nuts & Bolts
Mild Steel. Grade 4.6.
Contents: M6 x 20, M6 x 40, M6 x 45, M8 x 25, M8 x 30, M8 x 35 and M8 x 50mm.

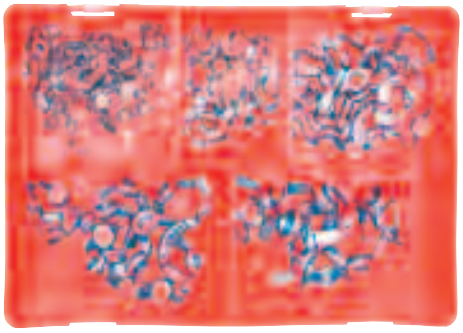


Average Quantity	Weight each	Order Code KEN-615
200	1.70kg	-4030K

Zinc Plated Wing Nuts

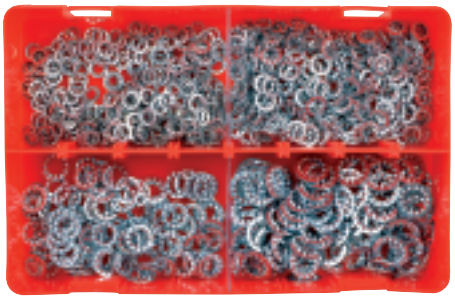
Contents: M4, M5, M6, M8 and M10.

BEST SELLER



Average Quantity	Weight each	Order Code KEN-615
100	0.50kg	-4210K

Internal Disc Lock Washers - Metric
Contents: M5, M6, M8 and M10.



Washer Type	Average Quantity	Order Code KEN-615
Internal Lock	750	-4250K

Cold Formed Zinc Plated Nuts

Contents:
M5, M6, M8, M10 and M12.



Type	Avg Qty	Weight each	Order Code KEN-615
Metric	375	1.40kg	-4150K

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KENNEDY QUALITY INDUSTRIAL TOOLING *Fix-it Kits*

BEST SELLER

Plain Washers - Metric

Contents: M5, M6, M8, M10 and M12mm.



Washer Type	Average Quantity	Order Code KEN-615
Plain	1500	-4230K

Starlock Washers, Uncapped - Inch

Contents: 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4".





Washer Type	Average Quantity	Order Code KEN-615
Starlock	585	-4320K

Square Section Spring Washers - Metric BZP

Contents:
M5, M6, M8, M10 and M12.



Washer Type	Weight each	Order Code KEN-615
Square Spring	915g	-4240K

Mudguard Washers - Metric

BEST SELLER

Contents: M5, M6, M8 and M10mm.



Type	Avg Qty	Weight each	Order Code KEN-615
Metric	220	1.45kg	-4270K

Panel Clips

Contents:
U-Type: No.6, No.8, No.10, No.12 and No.14,
J-Type: No.6, No.8, No.10, No.12 and No.14.

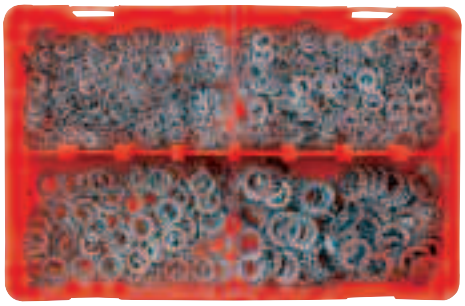




Washer Type	Average Quantity	Order Code KEN-615
Panel Clips	300	-4480K

External Disc Lock Washers - Metric

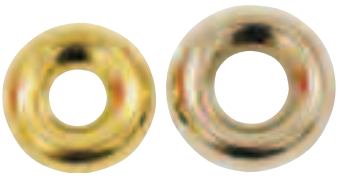
Contents:
M5, M6, M8, and M10.

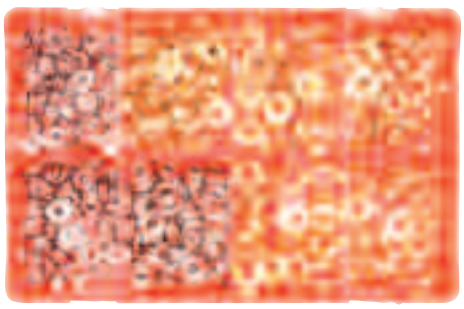


Washer Type	Average Quantity	Order Code KEN-615
External Lock	750	-4260K

Brass Cup Washers - Metric

Contents: No. 4, 6, 8, 10, 12 and 14mm.





Washer Type	Average Quantity	Order Code KEN-615
Cup	465	-4330K

Plain Copper Washers - Metric

BEST SELLER

Contents: M5, M6, M8, M10 and M12mm.



Washer Type	Average Quantity	Order Code KEN-615
Copper	300	-4690K

SENATOR QUALITY TOOLING *Fix-it Kits*

NEW

Flat & Spring Washers

Contents:
Flat Washers (diameter):
4mm - x120, 5mm - x100, 6mm - x80, 8mm - x50, 10mm - x30 and 12mm - x15.
Spring Washers (diameter):
4mm - x120, 5mm - x100, 6mm - x80, 8mm - x50, 10mm - x30 and 12mm - x15.



Type	Average Quantity	Order Code SEN-615
Flat & Spring Washer Kit	790	-3810K

FASTENERS

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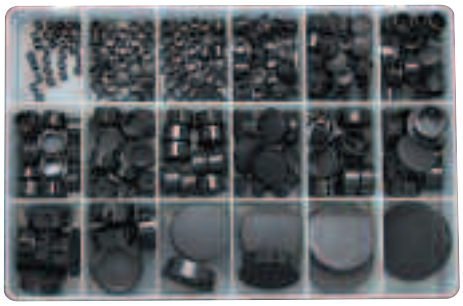
KENNEDY Fix-it Kits

Blind Grommets

Made from chemical/heat resistant nylon 66 with a flammability rating of UL94V-2 and material temperature index: 125°C.

Contents: diameters from 4.8 - 45mm for maximum panel thickness from 1.6 - 3.2mm.



Average Qty	Weight each	Order Code KEN-615
260	485g	**-4760K**

Wiring Grommets

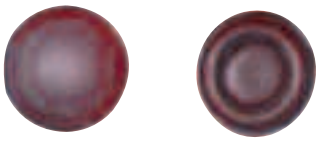
Contents:
6, 8, 10, 11, 12, 14, 18 and 20mm.



Type	Avg Qty	Weight each	Order Code KEN-615
Wiring Grommets	100	252g	**-4580K**

Grommets

Contents:
5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 15/16" and 1".





Average Quantity	Weight each	Order Code KEN-615
120	0.35kg	**-4560K**

Fibre Washers - Metric

Contents: M5, M6, M8, M10 and M12.



Washer Type	Average Quantity	Order Code KEN-615
Fibre	600	**-4280K**

Metric 'O' Rings

Contents: M6, M10, M11, M14, M17, M21, M24 and M25.

BEST SELLER





Type	Avg Qty	Weight each	Order Code KEN-615
Metric 'O' Rings	400	0.30kg	**-4900K**

SENATOR QUALITY TOOLING Fix-it Kits

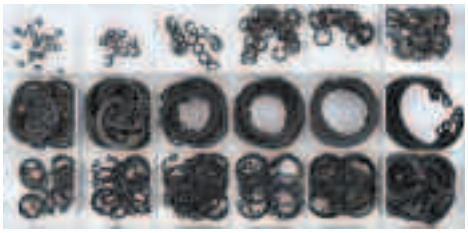
Interior Circlips

These are constructed from durable spring steel and are black oxide treated for extra strength.

NEW

Contents:

3mm -	x20,	14mm -	x15,
4mm -	x10,	16mm -	x20,
5mm -	x15,	19mm -	x25,
6mm -	x25,	20mm -	x15,
8mm -	x15,	22.5mm -	x20,
9mm -	x20,	25mm -	x15,
11mm -	x15,	26mm -	x15,
12mm -	x15,	28mm -	x10,
13mm -	x25,	32mm -	x5.



Type	Average Quantity	Order Code SEN-615
Internal Circlip Kit	300	**-4520K**

Circlips

Contents:
Internal: 14, 16, 19, 22, 24 and 25mm.
External: 12, 14, 16, 19, 22, 24 and 25mm.

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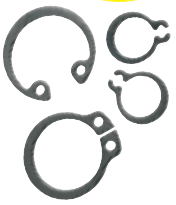
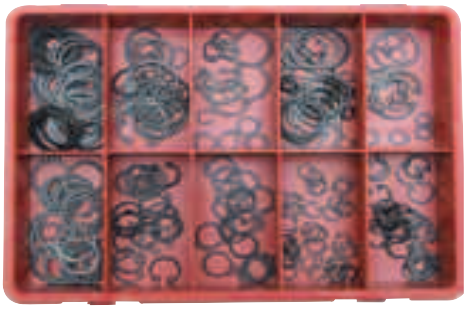




Type	Avg Qty	Weight each	Order Code KEN-615
Circlips	380	0.5kg	**-4470K**

E Clip Kit

Contents:
3.2, 4, 5, 6, 8, 10 and 12mm.

NEW





Type	Average Quantity	Order Code KEN-615
E Clip Kit	355	**-4475K**

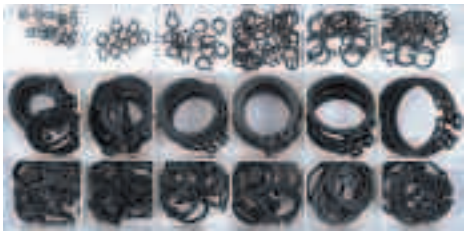
Exterior Circlips

These are constructed from durable spring steel and are black oxide treated for extra strength.

NEW

Contents:

3mm -	x20,	14mm -	x15,
4mm -	x10,	16mm -	x20,
5mm -	x15,	19mm -	x25,
6mm -	x25,	20mm -	x15,
8mm -	x15,	22.5mm -	x20,
9mm -	x20,	25mm -	x15,
11mm -	x15,	26mm -	x15,
12mm -	x15,	28mm -	x10,
13mm -	x25,	32mm -	x5.



Type	Average Quantity	Order Code SEN-615
External Circlip Kit	300	**-4510K**

FASTENERS

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BEST SELLER

Spring Tension Pins

Contents:
2.5 x 24, 2.5 x 40, 3 x 25, 3 x 40, 4 x 24, 4 x 30, 5 x 25, 5 x 40, 6 x 25, 6 x 32 and 8 x 55mm.



Type	Avg Qty	Weight each	Order Code KEN-615
Roll Clips	300	0.80kg	-4500K

Dowel Pin Kit - Metric & Inch

Hardened and precision ground. **DIN 6325**.

Metric Sizes: 1.5 x 8mm through to 8 x 32mm.

NEW

Inch Sizes: 1/16" x 1/2" through to 3/8" x 2".



Metric/ Inch	Average Quantity	Order Code KEN-615
Metric	265	-4510K
Inch	345	-4520K

Clevis Pins

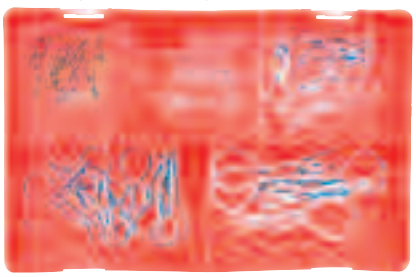
Contents: 3/16" x 5/8", 3/16" x 1", 1/4" x 3/4", 1/4" x 7/8", 1/4" x 1", 1/4" x 1 1/2", 5/16" x 3/4", 5/16" x 1", 5/16" x 1 1/4", 5/16" x 1 1/2", 5/16" x 1 3/4" and 3/8" x 1", 3/8" x 1 1/4".



Type	Avg Qty	Weight each	Order Code KEN-615
Clevis Pins	170	1.25kg	-4490K

Retaining Clips

Contents (D x L): 5 - 7 x 1.2, 7 - 9 x 1.2, 9 - 11 x 2, 14 - 16 x 3, 14 - 18 x 4mm.



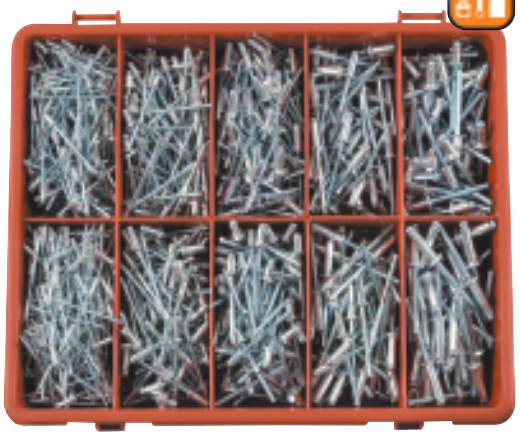
Type	Avg Qty	Weight each	Order Code KEN-615
Retaining Clips	75	0.40kg	-4800K

Aluminium Dome Head Rivet Kit

Contents:
2.4 x 6mm - x200,
2.4 x 8mm - x200,
3.2 x 5mm - x100,
3.2 x 7mm - x100,
3.2 x 10mm - x100,
4.0 x 6mm - x75,
4.0 x 10mm - x75,
4.0 x 12mm - x60,
4.8 x 9mm - x50,
4.8 x 16mm - x40.

NEW





Type	Average Quantity	Weight each	Order Code KEN-615
Dome Head Rivets	1000	1.25kg	-4010K

Compression & Expansion Springs

BEST SELLER

Contents:

Expansion Springs

Wire Dia. (mm)	Outside Dia. (mm)	Overall Length (mm)
0.70	6.29	31.5
0.50	4.70	40.0
0.60	6.29	51.5
0.60	6.29	64.5
0.60	4.70	58.0
0.80	9.80	70.0

Compression Springs

Wire Dia. (mm)	Outside Dia. (mm)	Overall Length (mm)
0.70	8.90	50.0
0.50	6.00	25.0
1.00	8.90	50.0
1.00	8.90	25.0
0.50	6.00	50.0
1.00	7.40	50.0



Type	Avg Qty	Weight each	Order Code KEN-615
Springs	140	0.55kg	-6590K

Woodruff Keys

Contents:
1/2" x 1/16", 1/2" x 3/32", 1/2" x 1/8", 5/8" x 3/32", 5/8" x 1/8", 5/8" x 5/32", 5/8" x 3/16", 3/4" x 1/8", 3/4" x 5/32", 3/4" x 3/16", 3/4" x 1/4", 7/8" x 5/32", 7/8" x 3/16", 7/8" x 7/32" and 7/8" x 1/4".



Washer Type	Average Quantity	Order Code KEN-615
Woodruff Keys	100	-4540K

Split Cotter Pins

BEST SELLER

Large:
1/8" x 1 1/2", 1/8" x 2", 9/64" x 2", 5/32" x 1 1/2", 5/32" x 2", 3/16" x 1 1/2", 3/16" x 2" and 1/4" x 2".

Small:
1/16" x 1", 5/64" x 1", 3/32" x 1", 1/8" x 1", 9/64" x 1 1/2", 1/16" x 1 1/2", 5/64" x 1 1/4", 3/32" x 1 1/2", 7/64" x 1 1/2", 1/8" x 1 1/2" and 5/32" x 1 1/2".



Type	Avg Qty	Weight each	Order Code KEN-615
Large	200	1.35kg	-4420K
Small	1000	1.00kg	-4430K

SENATOR QUALITY TOOLING **Fix-it Kits**

Assorted Split Cotter Pins

Zinc plated to prevent rust.

Contents:
1/16" x 1" - x150, 3/32" x 1" - x150, 3/32" x1 1/2" - x100, 1/8" x 1 1/4" - x75,
1/8" x 2" - x50 and 5/32" x 2 1/2" - x30.

NEW



Type	Average Quantity	Order Code SEN-615
Assorted Split Cotter Pins	555	-7810K

FASTENERS

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QUALFAST *Fix-it Kits*

A4 Stainless Steel Metric Nut & Washer Kit

NEW

Contents:
Nuts:
M5 - x150, M6 - x100, M8 - x50, M10 - x25, M12 - x15,
Washers:
M5 - x200, M6 - x150, M8 - x100, M10 - x50 and M12 - x50.



Washer Type	Average Quantity	Order Code QFT-615
Metric	890	-4630K

A4 Stainless Steel Metric Nut Kit

Contents:
M3 - x250, M4 - x200, M5 - x150, M6 - x100, M8 - x50, M10 - x25, M12 - x15, M16 - x9, M20 - x4 and M24 - x2.

NEW



Washer Type	Average Quantity	Order Code QFT-615
Metric	805	-4610K

A4 Stainless Steel Metric Washer Kit

Contents:
M3 - x300, M4 - x250, M5 - x200, M6 - x150, M8 - x100, M10 - x50, M12 - x50, M16 - x25, M20 - x10 and M24 - x5.

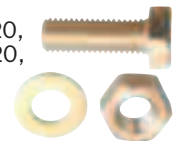
NEW



Washer Type	Average Quantity	Order Code QFT-615
Metric	1140	-4620K

Brass Fastener Assortments
Brass Hex Nuts & Washer Set

Contents:
M6 - x12, M6 - x16, M6 - x20, M6 - x25, M8 - x16, M8 - x20, M8 - x25, M8 - x30, M10 - x25 and M10 - x30.

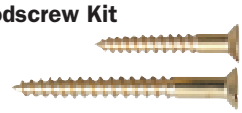




Type	Avg Qty	Weight each	Order Code QFT-615
Metric	110	2.2kg	-5400K

Brass Slot CSK Woodscrew Kit

Contents:
3.5 - x16, 3.5 - x20, 3.5 - x25, 4.0 - x20, 4.0 - x25, 4.0 - x30, 5.0 - x25, 5.0 - x30, 5.0 - x40 and 5.0 - x50.

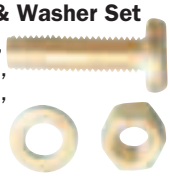




Type	Avg Qty	Weight each	Order Code QFT-615
Metric	625	2.1kg	-5430K

Brass Slot Pan M/C Nuts & Washer Set

Contents: M4 x 8, M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.





Type	Average Quantity	Order Code QFT-615
Metric	310	-5460K

Brass Metric Nut

Contents:
M2.5 - x250, M3 - x200, M4 - x150, M5 - x100, M6 - x50, M8 - x25, M10 - x15, M12 - x10, M16 - x8 and M20 - x4.

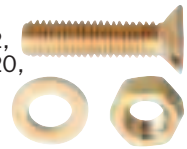
NEW



Type	Average Quantity	Order Code QFT-615
Metric	812	-5510K

Brass Slot CSK M/C Nut & Washer Set

Contents:
M4 x 8, M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.





Type	Average Quantity	Order Code QFT-615
Metric	310	-5470K

Brass Metric Washer

Contents:
M2.5 x 300, M3 x 250, M3.5 x 250, M4 x 200, M5 x 150, M6 x 100, M8 x 50, M10 x 50, M12 x 25 and M16 x 5.

NEW



Type	Average Quantity	Order Code QFT-615
Metric	1380	-5520K

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QUALFAST Stainless Fastener Assortments

A2 Stainless Steel Pozi Pan head CSK Self-tapping Screw Kits

Contents:
CSK STS: 2.9 x 13, 2.9 x 16, 3.5 x 13 3.5 x 19, 3.5 x 25, 4.2 x 13, 4.2 x 19, 4.2 x 25, 4.8 x 16 and 4.8 x 25mm.



Type	Average Quantity	Order Code QFT-615
Pozi CSK	900	-4440K

A2 Stainless Steel Pozi Pan Head Machine Screw Kits

Contents:
PAN: M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.



Type	Average Quantity	Order Code QFT-615
Pozi PAN	400	-4460K

A2 Stainless Steel CSK Socket Screw Kit

Contents: M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25 and M8 x 30mm.



Washer Type	Average Quantity	Order Code QFT-615
Metric	310	-4410K

A2 Stainless Steel Nuts & Washer Kit Plus Nyloc Nut Kit

Contents:
Full Nuts: M5, M6, M8, M10 and M12.
Form B: M5, M6, M8, M10 and M12.

Nyloc Nuts: M3, M4, M5, M6, M8, M10, M12, M14, M16 and M20.



Type	Average Quantity	Weight each	Order Code QFT-615
Metric	890	1.7kg	-4400K
Metric	1087	2.6kg	-4480K

A2 Stainless Steel Pozi Pan Head Self-tapping Screw Kits

Contents:
PAN STS: 2.9 x 13, 2.9 x 16, 3.5 x 13, 3.5 x 19, 3.5 x 25, 4.2 x 13, 4.2 x 19, 4.2 x 25, 4.8 x 16 and 4.8 x 25mm.



Type	Average Quantity	Order Code QFT-615
Pozi PAN	900	-4450K

A2 Stainless Steel Pozi CSK Machine Screw Kits

Contents:
CSK: M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.



Type	Average Quantity	Order Code QFT-615
Pozi CSK	500	-4470K

A2 Stainless Steel Socket Cap Screw Kit

Contents: 5 x 12, 5 x 16, 5 x 20, 6 x 12, 6 x 16, 6 x 20, 6 x 25, 8 x 16, 8 x 20 and 8 x 25mm.



Washer Type	Average Quantity	Order Code QFT-615
Metric	250	-4380K

A2 Stainless Steel Pozi CSK Woodscrew Kit

Contents: 3.5 x 16, 3.5 x 20, 3.5 x 25, 4.0 x 20, 4.0 x 25, 4.0 x 30, 5.0 x 25, 5.0 x 30, 5.0 x 40 and 5.0 x 50mm.



Type	Average Quantity	Order Code QFT-615
Metric	625	-4430K

A2 Stainless Steel Socket Button Screw Kit

Contents: M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25 and M8 x 30mm.



Type	Average Quantity	Order Code QFT-615
Metric	310	-4420K

A2 Stainless Steel Hex Set Screw Kit

Contents: M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25, M8 x 30, M10 x 25 and M10 x 20mm.



Type	Average Quantity	Order Code QFT-615
Metric	200	-4390K

A4 Stainless Steel Metric Hex Head Screw Kit

Contents: M6 x 12 x 25, M6 x 16 x 25, M6x20 x 25, M6 x 25 x 25, M8 x 16 x 20, M8x20 x 20, M8 x 25 x 20, M8 x 30 x 20, M10 x 25 x 10 and M10 x 30 x 10mm.

NEW



Type	Average Quantity	Order Code QFT-615
Metric	200	-4640K

FASTENERS

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KENNEDY PROFESSIONAL

Wire Thread Insert Kits

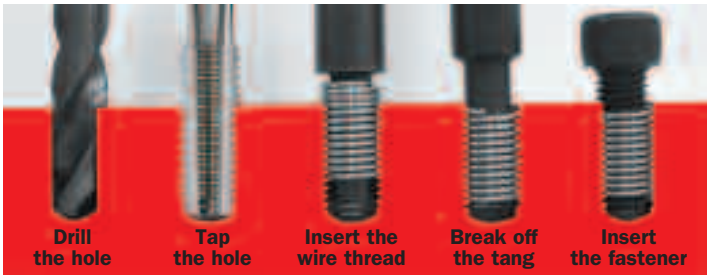
Suitable for repairing damaged and worn threads,also ideal for new applications. Ideal for usewith alloys and other light materials. Can also be used for converting from metric to inch and vice versa. 1½" x diameter in length. Other lengths are available on request. Each kit supplied with inserts, HSS hand tap, insertion tool and instructions.

Kits come complete with: Hand Tap, Inserting Tool and Inserts.

† Includes Punch.

*** Includes Drill and Punch.**





Thread Form	Tap Size	Clearance Drill Size	Inserts/ Kit	Weight each	Order Code KEN-621
Metric	M3 x 0.50*	3.20	10	105g	-1120K
Metric	M4 x 0.70*	4.20	10	122g	-1160K
Metric	M5 x 0.80*	5.20	10	142g	-1200K
Metric	M6 x 1.00*	6.20	10	169g	-1240K
Metric	M7 x 1.00*	7.20	10	190g	-1280K
Metric	M8 x 1.00*	8.30	10	162g	-1320K
Metric	M8 x 1.25*	8.30	10	180g	-1340K
Metric	M10 x 1.00*	10.25	10	226g	-1400K
Metric	M10 x 1.25*	10.25	10	226g	-1420K
Metric	M10 x 1.50*	10.40	10	225g	-1430K
Metric	M12 x 1.25†	12.25	10	309g	-1480K
Metric	M12 x 1.50†	12.25	5	309g	-1490K
Metric	M12 x 1.75†	12.50	5	290g	-1500K
Metric	M14 x 1.25	14.25	5	459g	-1560K
Metric	M14 x 1.50	14.25	5	325g	-1580K
Metric	M14 x 2.00	14.50	5	325g	-1600K
Metric	M16 x 1.50	16.50	5	343g	-1640K
Metric	M16 x 2.00	16.50	5	354g	-1660K
UNC	No.4 - 40*	No.31	10	109g	-2040K
UNC	No.8 - 32*	11/64"	10	123g	-2080K
UNC	1/4" - 20*	17/64"	10	166g	-2160K
UNC	5/16" - 18*	21/64"	10	201g	-2200K
UNC	3/8" - 16*	25/64"	10	226g	-2240K
UNC	1/2" - 13	17/32"	10	293g	-2320K
UNF	No.10 - 32*	13/64"	10	138g	-3100K
UNF	1/4" - 28*	17/64"	10	160g	-3160K
UNF	5/16" - 24*	21/64"	10	216g	-3200K
UNF	3/8" - 24*	25/64"	10	218g	-3240K
UNF	1/2" - 20	33/64"	5	289g	-3320K

Threading Inserts

Range now extended to include 1 x D and 2 x D lengths (ISO Metric threads). Our quality inserts are now supplied in packs of 10 or 50. Other sizes and lengths are available on request, please ask for further information.
Insert length = 1.5 x D.

ISO Metric Threads Insert Length	Thread x Pitch	Clearance Drill (mm)	Packs of 10 Inserts Order Code KEN-620	Packs of 50 Inserts Order Code KEN-620
1xD	M3 x 0.50	3.20	-5502K	-7402K
	M4 x 0.70	4.20	-5504K	-7404K
	M5 x 0.80	5.20	-5505K	-7405K
	M6 x 1.00	6.20	-5506K	-7406K
	M7 x 1.00	7.20	-5507K	-7407K
	M8 x 1.00	8.30	-5508K	-7408K
	M8 x 1.25	8.30	-5509K	-7409K
	M10 x 1.00	10.25	-5512K	-7412K
	M10 x 1.25	10.25	-5513K	-7413K
	M10 x 1.50	12.25	-5514K	-7414K
1.5xD	M3 x 0.50	3.20	-6010K	-
	M4 x 0.70	4.20	-6030K	-
	M5 x 0.80	5.20	-6050K	-
	M6 x 1.00	6.20	-6070K	-
	M7 x 1.00	7.20	-6090K	-
	M8 x 1.00	8.20	-6110K	-
	M8 x 1.25	8.30	-6120K	-
	M10 x 1.00	10.25	-6140K	-
	M10 x 1.25	10.25	-6150K	-
	M10 x 1.50	10.25	-6160K	-
	M12 x 1.25	12.25	-6180K	-
	M12 x 1.50	12.25	-6190K	-
	M12 x 1.75	12.50	-6200K	-
	M14 x 1.25	14.25	-6220K	-
	M14 x 1.50	14.25	-6230K	-
	M14 x 2.00	14.50	-6240K	-
	M16 x 1.50	16.50	-6260K	-
	M16 x 2.00	16.50	-6270K	-
2xD	M3 x 0.50	3.20	-6302K	-7802K
	M4 x 0.70	4.20	-6304K	-7804K
	M5 x 0.80	5.20	-6305K	-7805K
	M6 x 1.00	6.20	-6306K	-7806K
	M7 x 1.00	7.20	-6307K	-7807K
	M8 x 1.00	8.20	-6308K	-7808K
	M8 x 1.25	8.30	-6309K	-7809K
	M10 x 1.00	10.25	-6312K	-7812K
	M10 x 1.25	10.25	-6313K	-7813K
	M10 x 1.50	12.25	-6314K	-7814K



Insert Length	Thread x Pitch	Clearance Drill (mm)	Order Code KEN-620
	UNC Threads		
1.5 x D	No.4 - 40	No.31	-6840K
	No.8 - 32	11/64"	-6880K
	1/4" - 20	17/64"	-6900K
	5/16" - 18	21/64"	-6910K
	3/8" - 16	25/64"	-6920K
	1/2" - 13	17/32"	-6940K
	UNF Threads		
1.5 x D	No.10 - 32	13/64"	-7090K
	1/4" - 28	17/64"	-7100K
	5/16" - 24	21/64"	-7110K
	3/8" - 24	25/64"	-7120K
	1/2" - 20	33/64"	-7140K

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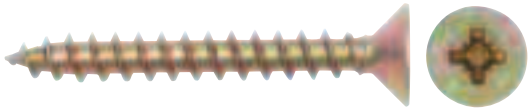
MATLOCK Pozidriv® Woodscrews

Gold-ZP™ Fibre Board Woodscrews
For power driving into hard and soft wood, MDF and chipboard. Manufactured to reduce wood split. Heat-treated for high resistance to breakage. With an aggressive clean cutting single thread drives easily - even in MDF and chipboard. Passivated zinc-plated and lubricated to aid penetration. 25° point angle usually needs no pilot.





Metric

Size (mm)	Pack Qty	Order Code MTL-635
3.0 x 12	200	-1020K
3.0 x 16	200	-1025K
3.0 x 20	200	-1030K
3.0 x 25	200	-1040K
3.0 x 40	200	-1050K
3.5 x 12	200	-1070K
3.5 x 16	200	-1080K
3.5 x 20	200	-1090K
3.5 x 25	200	-1100K
3.5 x 30	200	-1110K
3.5 x 35	200	-1115K
3.5 x 40	200	-1120K
3.5 x 45	200	-1125K
3.5 x 50	200	-1130K
4.0 x 16	200	-1140K
4.0 x 20	200	-1150K
4.0 x 25	200	-1160K
4.0 x 30	200	-1170K
4.0 x 35	200	-1175K
4.0 x 40	200	-1180K
4.0 x 45	200	-1190K
4.0 x 50	200	-1200K
4.0 x 55	200	-1210K
4.0 x 60	200	-1220K
4.0 x 70	200	-1225K
4.0 x 75	200	-1230K
4.5 x 25	200	-1240K
4.5 x 40	200	-1260K
5.0 x 30	200	-1300K
5.0 x 40	200	-1320K
5.0 x 45	200	-1325K
5.0 x 50	200	-1330K
5.0 x 60	200	-1340K
5.0 x 70	100	-1360K
5.0 x 80	100	-1380K
5.0 x 90	100	-1390K
5.0 x 100	100	-1400K
6.0 x 80	100	-1420K
6.0 x 100	100	-1440K
6.0 x 130	100	-1470K

Screw Organisers

2880 Pieces
High helix double thread, plated to five microns for greater corrosion-resistance. 35° point angle usually needs no pilot.

Gold-ZP™ Fibre Board Woodscrews
Assorted sizes 3.5 x 20mm to 5.0 x 70mm

Silver-TT™ Twin Thread Woodscrews
Assorted sizes No.6 x ¾" to No.10 x 3" (50).

Fixing Plugs
Red 5.5mm (300).
Brown 7mm (150).

Fixing Plugs
Red 5.5mm (300).
Brown 7mm (150).

METAL CASE



Screw Type	Order Code MTL-615
Silver-TT™ Wood Screws	-0010K
Gold-ZP™ Fibreboard Screws	-0020K

KENNEDY PROFESSIONAL Pro-Torq Screwdrivers

Chrome vanadium steel blades with magnetic tips. Fitted with a unique dual grip triangular handle designed for improved user comfort, allowing more torque to be applied. Manufactured with hanging hole in the handle for storage. **DIN ISO 2380/8764.**

8-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.2 x 100.
PZ: No.1 x 75, No.2 x 100, No.3 x 150,
Flared: 6.3 x 150, 8.0 x 200.
Parallel: 5.0 x 150.

8 PIECES



Number of Pieces	Weight each	Order Code KEN-572
8	1105g	-6010K

12-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.2 x 100, No.3 x 150.
PZ: No.1 x 75 No.2 x 100 No.3 x 150.
Flared: 6.3 x stubby, 6.3 x 150, 9.5 x 250.
Parallel: 5.0 x 100, 5.0 x 200, 5.0 x 250.

12 PIECES



Number of Pieces	Weight each	Order Code KEN-572
12	1660g	-6020K

12-Piece Set Contents (mm):
Crosspoint: No.2 x stubby, No.1 x 75, No.2 x 100, No.3 x 150.
PZ: No.2 x 100, No.3 x 150.
Flared: 6.3 x stubby, 6.3 x 150, 8.0 x 200.
Parallel: 5.0 x 75, 5.0 x 150, 5.0 x 250.

Auto Express Product Awards Commended 2009

12 PIECES



Number of Pieces	Weight each	Order Code KEN-572
12	1467g	-6030K

FASTENERS

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SCREWED STUDDING

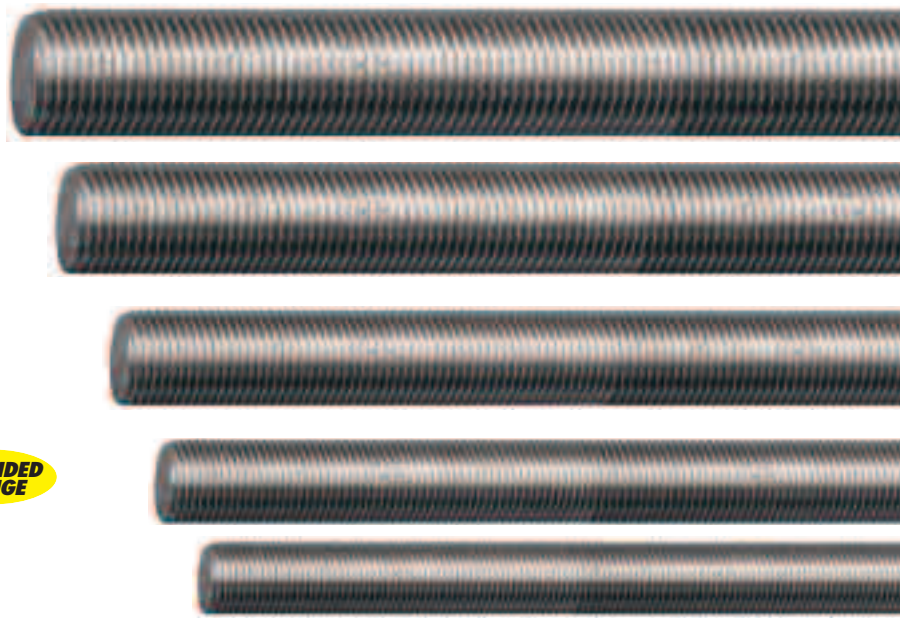
QUALFAST

High Quality Screwed Studding

Colour-coded at each end of length for easy identification as shown.

- Yellow = Metric
- Red = BSW
- White = UNC
- Green = BSF
- Orange = Grade 8.8
- Blue = UNF
- Black = Stainless Steel

EXTENDED RANGE



Mild Steel - Grade 4.6 Self-Colour

Thread	Length	Order Code QFT-639
	Metric	
M5	300mm	-0550K
M6	300mm	-0560K
M8	300mm	-0580K
M10	300mm	-0600K
M12	300mm	-0620K
M14	300mm	-0640K
M16	300mm	-0660K
M20	300mm	-0700K
M24	300mm	-0720K
M3	1m	-0030K
M4	1m	-0040K
M5	1m	-0050K
M6	1m	-0060K
M8	1m	-0080K
M10	1m	-0100K
M12	1m	-0120K
M14	1m	-0140K
M16	1m	-0160K
M20	1m	-0200K
M24	1m	-0240K
M30	1m	-0300K
M36	1m	-0360K
	UNC	
1/4"	3ft	-3040K
5/16"	3ft	-3050K
3/8"	3ft	-3060K
7/16"	3ft	-3070K
1/2"	3ft	-3080K
5/8"	3ft	-3100K
3/4"	3ft	-3120K
1"	3ft	-3160K
	UNF	
1/4"	3ft	-4040K
5/16"	3ft	-4050K
3/8"	3ft	-4060K
7/16"	3ft	-4070K
1/2"	3ft	-4080K

Mild Steel - Grade 4.6 Zinc-Plated

Thread	Length	Order Code QFT-639
	Metric	
M3	1m	-5203K
M4	1m	-5204K
M5	1m	-5205K
M6	1m	-5206K
M8	1m	-5208K
M10	1m	-5210K
M12	1m	-5212K
M14	1m	-5214K
M16	1m	-5216K
M20	1m	-5220K
M24	1m	-5224K
M30	1m	-5230K
	UNC	
1/4"	3ft	-5404K
5/16"	3ft	-5405K
3/8"	3ft	-5406K
7/16"	3ft	-5407K
1/2"	3ft	-5408K
5/8"	3ft	-5410K
3/4"	3ft	-5412K
7/8"	3ft	-5414K
1"	3ft	-5416K



High Tensile Steel - Grade 8.8

Thread	Length	Order Code QFT-639
	Metric	
M6	1m	-6060K
M8	1m	-6080K
M10	1m	-6100K
M12	1m	-6120K
M16	1m	-6160K
M20	1m	-6200K
M24	1m	-6240K

Stainless Steel A2

Thread	Length	Order Code QFT-639
	Metric	
M3	1m	-7030K
M4	1m	-7040K
M5	1m	-7050K
M6	1m	-7060K
M8	1m	-7080K
M10	1m	-7100K
M12	1m	-7120K
M16	1m	-7160K
M20	1m	-7200K
M24	1m	-7240K

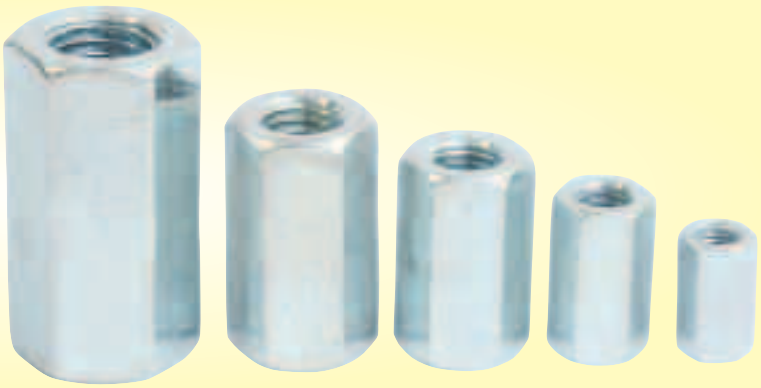
High Tensile Steel - Grade 8.8 BZP

Thread	Length	Order Code QFT-639
	Metric	
M6	1m	-6406K
M8	1m	-6408K
M10	1m	-6410K
M12	1m	-6412K
M14	1m	-6414K
M16	1m	-6416K
M18	1m	-6418K
M20	1m	-6420K

Studding Connectors

Studding connectors or coupling nuts are for connecting multiple lengths of threaded rod. Made from low carbon steel, bright zinc-plated. Manufactured to **DIN 6334**.

Thread	Length	Weight each	Order Code QFT-639
M6	18mm	8g	-9906K
M8	24mm	28g	-9908K
M10	30mm	40g	-9910K
M12	36mm	56g	-9912K
M16	48mm	113g	-9916K
M20	60mm	160g	-9920K
M24	72mm	224	-9924K



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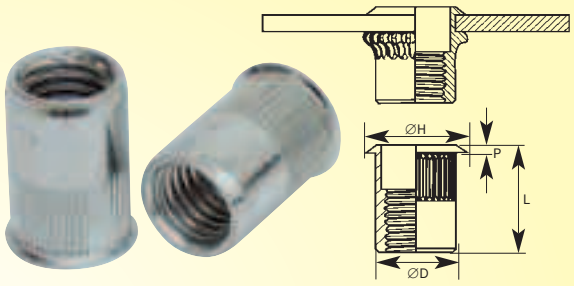
QUALFAST Rivet Nuts

All of our rivet nuts have a clear plating which is RoHS compliant - this is now the preferred finish across all industries as there is no chromium content as is the case with zinc and yellow finish.

Steel, Low Profile Head, Splined Body

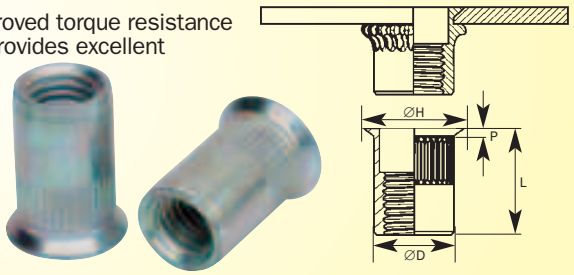
The splines on the body bite into the parent material on installation, creating an improved torque resistance compared with standard round bodied rivet nuts.
The low profile head creates a high load bearing feature but only results in minimal stand off between the adjoining panels.



Size	Range (Grip)	Hole Size +0.1/-0.0	Dimensions D	H	P	L	Box Qty	Order Code QFT-644
M4 x 0.7	0.5 - 2.0	6.8	5.9	6.9	0.4	10.0	500	-1004E
M5 x 0.8	0.5 - 3.3	7.6	7.1	8.1	0.8	12.1	500	-1005F
M6 x 1.0	0.7 - 4.2	10.0	9.5	10.4	0.8	15.1	250	-1006G
M8 x 1.25	0.7 - 3.8	13.5	10.5	11.6	0.8	16.1	250	-1008J

Steel, CSK Head, Splined Body

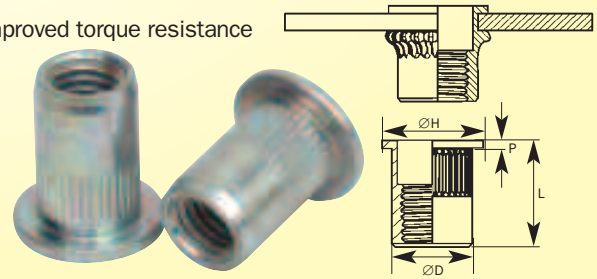
The splines on the body bite into the parent material on installation, creating an improved torque resistance compared with standard round bodied rivet nuts. The extra wide countersunk head provides excellent strength whilst leaving the nut flush with the material face.



Size	Range (Grip)	Hole Size +0.1/-0.0	Dimensions D	H	P	L	Box Qty	Order Code QFT-644
M4	0.5 - 2.0	6.0	5.9	8.8	1.4	11.7	500	-1044Y
M5	0.5 - 5.0	8.0	6.9	9.8	1.6	13.1	500	-1045Z
M6	0.5 - 6.0	9.0	8.9	11.8	1.7	16.1	250	-1046A
M8	3.5 - 9.0	11.0	10.9	13.7	2.0	18.6	250	-1048C

Steel, Flat Head, Splined Body

The splines on the body bite into the parent material on installation, creating an improved torque resistance compared with standard round bodied rivet nuts. The large flat head makes the fixing ideal for use in high load bearing situations.



Size	Range (Grip)	Hole Size +0.1/-0.0	Dimensions D	H	P	L	Box Qty	Order Code QFT-644
M4 x 0.7	0.5 - 2.5	6.0	5.9	9.1	0.8	11.7	500	-1024B
M5 x 0.8	0.7 - 3.0	7.0	6.9	10.0	1.0	13.1	500	-1025C
M6 x 1.0	0.8 - 3.0	9.0	8.9	13.0	1.5	16.1	250	-1026D
M8 x 1.25	1.0 - 3.0	11.0	10.9	14.8	1.5	18.1	250	-1028F

Aluminium Rivets

EXTENDED RANGE

For all applications of blind riveting. Aluminium rivet head with steel mandrel.
Medium strength, use with aluminium and where rust is a problem. Select grip based on thickness of material to be riveted.

Dome Head



Head Ø mm	Length Below Shoulder	Box Qty	Order Code QFT-644
2.4	4mm	100	-2022Z
	6mm	100	-2026D
	8mm	100	-2030H
3.2	5mm	100	-2042W
	5mm	500	-2043X
	7mm	100	-2046A
	7mm	500	-2047B
	10mm	100	-2050E
	10mm	500	-2051F
	12mm	100	-2054E
	12mm	500	-2054M
	14mm	100	-2056E
	14mm	500	-2056M
	16mm	100	-2058E
	16mm	500	-2058M
4.0	6mm	100	-2062S
	6mm	500	-2063T
	8mm	100	-2065E
	8mm	500	-2065M
	10mm	100	-2066X
	10mm	500	-2067Y
	12mm	100	-2070B
	12mm	500	-2071C
	14mm	100	-2074E
	14mm	500	-2074M
	16mm	100	-2077E
	16mm	500	-2077M
4.8	9mm	500	-2082P
	9mm	50	-2083Q
	12mm	500	-2086T
	12mm	50	-2087V
	14mm	50	-2089B
	14mm	250	-2089H
	16mm	250	-2090Y
	16mm	50	-2091Z
	18mm	50	-2094B
	18mm	250	-2094H

Dome Head Rivets - Bulk Packed



NEW

Head Ø mm	Length Below Shoulder	Box Qty	Order Code QFT-644
2.4	6mm	20000	-5106F
3.2	5mm	10000	-5125E
	7mm	10000	-5127G
	10mm	10000	-5130K
	12mm	10000	-5132M
	14mm	10000	-5134P
	16mm	10000	-5136R
4.0	10mm	8000	-5160A
	12mm	8000	-5162C
4.8	9mm	5000	-5189H
	12mm	5000	-5192B
	16mm	4000	-5196F

Large Head



Head Ø mm	Length Below Shoulder	Box Qty	Order Code QFT-644
3.2	8mm	50	-5032K
	8mm	500	-5033L
	12mm	50	-5036P
	12mm	500	-5037Q
	16mm	50	-5040T
	16mm	500	-5041V
4.0	10mm	50	-5052G
	10mm	250	-5053H
	12mm	50	-5056L
	12mm	250	-5057M
	16mm	25	-5060Q
	16mm	250	-5061R
4.8	12mm	25	-5072D
	12mm	250	-5073E
	16mm	20	-5076H
	16mm	100	-5077J
	20mm	20	-5080M
	20mm	100	-5081N

Countersunk



Head Ø mm	Length Below Shoulder	Box Qty	Order Code QFT-644
3.2	8mm	100	-1132K
	8mm	500	-1133L
	12mm	100	-1136P
	12mm	500	-1137Q
	15mm	100	-1140T
	15mm	500	-1141V
4.0	10mm	100	-1152G
	10mm	500	-1153H
	12mm	100	-1156L
	12mm	500	-1157M
	16mm	50	-1160Q
	16mm	500	-1161R
4.8	12mm	50	-1172D
	12mm	500	-1173E
	16mm	50	-1176H
	16mm	250	-1177J
	20mm	50	-1180M
	20mm	250	-1181N

FASTENERS

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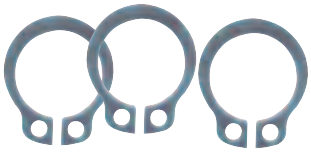
QUALFAST Circlips

Circlips simplify designs and linked with lower installation costs are the ideal item for replacing more traditional fasteners.
Manufactured from carbon steel with a phosphate finish.

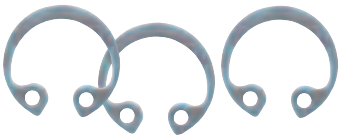
External

External DIN 471



Internal

Internal DIN 472



Metric

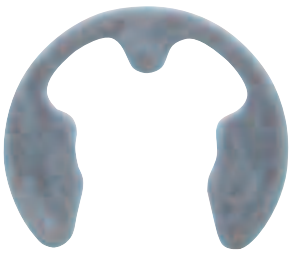
Dia. (mm)	Pack Quantity	Order Code QFT-649
3	100	**-2003C**
4	100	**-2004D**
5	100	**-2005E**
6	100	**-2006F**
7	100	**-2007G**
8	50	**-2008H**
9	50	**-2009J**
10	50	**-2010K**
11	50	**-2011L**
12	50	**-2012M**
13	50	**-2013N**
14	50	**-2014P**
15	50	**-2015Q**
16	40	**-2016R**
17	40	**-2017S**
18	25	**-2018T**
19	25	**-2019V**
20	25	**-2020W**
24	25	**-2024Y**
25	25	**-2025A**
26	25	**-2026B**
27	25	**-2027C**
28	25	**-2028D**
29	25	**-2029E**
30	25	**-2030F**

Metric

Dia. (mm)	Pack Quantity	Order Code QFT-649
8	50	**-2208H**
9	50	**-2209J**
10	50	**-2210K**
11	50	**-2211L**
12	50	**-2212M**
13	50	**-2213N**
14	50	**-2214P**
15	50	**-2215Q**
16	40	**-2216R**
17	40	**-2217S**
18	25	**-2218T**
19	25	**-2219V**
20	25	**-2220W**
21	25	**-2221X**
22	25	**-2222Y**
23	25	**-2223Z**
24	25	**-2224A**
25	25	**-2225B**
26	25	**-2226C**
27	25	**-2227D**
28	25	**-2228E**
29	25	**-2229F**
30	25	**-2230C**

E-Clips

E-clips simplify designs and linked with lower installation costs are the ideal item for replacing more traditional fasteners. All are manufactured from carbon steel with a phosphate finish. Conform to **DIN 6799**.



Metric

Dia. (mm)	Pack Quantity	Order Code QFT-649
1.2	200	**-3992P**
1.5	200	**-3995S**
1.9	200	**-3998W**
2.3	200	**-4001A**
3.2	200	**-4003C**
4.0	100	**-4004D**
5.0	100	**-4005E**
6.0	100	**-4006F**
7.0	100	**-4007G**
8.0	50	**-4008H**
9.0	25	**-4009J**
10.0	25	**-4010K**
12.0	25	**-4012M**

KENNEDY Extractable Dowels

Extractable dowel pins complete with inner thread and slight flats for air release.
DIN 7979D. EN 28735. ISO 8735.
Material:
AISI-52100 or DIN 1-3505 100 Cr 6.
Hardness: 57-63 HRC.

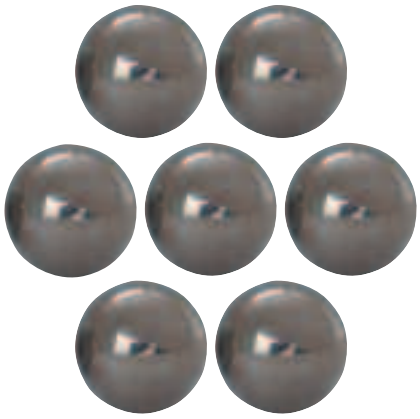


Metric

Dia.	Length	Weight per 100	Order Code KEN-651
4	10	100g	**-0650K**
	12	130g	**-0660K**
	16	160g	**-0680K**
	20	100g	**-0700K**
	30	130g	**-0720K**
5	12	160g	**-0820K**
	16	180g	**-0840K**
	20	200g	**-0860K**
	24	300g	**-0880K**
	30	330g	**-0910K**
	40	330g	**-0950K**
	50	410g	**-0970K**
	60	510g	**-0980K**
6	12	120g	**-1000K**
	16	150g	**-1020K**
	20	180g	**-1040K**
	24	220g	**-1060K**
	25	240g	**-1080K**
	28	260g	**-1100K**
	30	270g	**-1120K**
	32	290g	**-1140K**
	36	310g	**-1160K**
	40	350g	**-1180K**
	45	400g	**-1200K**
	50	440g	**-1220K**
	60	540g	**-1240K**
8	16	270g	**-1420K**
	20	320g	**-1440K**
	24	390g	**-1460K**
	25	400g	**-1480K**
	28	430g	**-1500K**
	30	470g	**-1520K**
	32	500g	**-1540K**
	36	550g	**-1560K**
	40	630g	**-1580K**
	45	710g	**-1600K**
	50	790g	**-1620K**
	60	910g	**-1640K**
	70	990g	**-1660K**
	80	1200g	**-1680K**
10	20	490g	**-1840K**
	24	620g	**-1860K**
	25	640g	**-1880K**
	28	680g	**-1900K**
	30	740g	**-1920K**
	32	800g	**-1940K**
	35	840g	**-1950K**
	36	860g	**-1960K**
	40	1.00kg	**-1980K**
	45	1.09kg	**-2000K**
	50	1.27kg	**-2020K**
	60	1.45kg	**-2040K**
	70	1.72kg	**-2060K**
	80	2.00kg	**-2080K**
	90	2.27kg	**-2100K**
	100	2.82kg	**-2120K**
12	24	900g	**-2460K**
	25	1.00kg	**-2480K**
	30	1.09kg	**-2520K**
	32	1.17kg	**-2540K**
	36	1.27kg	**-2560K**
	40	1.45kg	**-2580K**
	45	1.63kg	**-2600K**
	50	1.81kg	**-2620K**
	60	2.18kg	**-2640K**
	70	2.45kg	**-2660K**
	80	2.81kg	**-2680K**
	90	3.18kg	**-2700K**
	100	3.54kg	**-2720K**
16	30	800g	**-3120K**
	32	1.00kg	**-3140K**
	36	1.16kg	**-3160K**
	40	1.26kg	**-3180K**
	45	1.42kg	**-3200K**
	50	1.58kg	**-3220K**
	60	1.90kg	**-3240K**
	70	2.20kg	**-3260K**
	80	2.50kg	**-3280K**
	90	2.90kg	**-3300K**
	100	3.15kg	**-3320K**
20	40	1.58kg	**-3580K**
	50	1.98kg	**-3620K**
	60	2.38kg	**-3640K**
	70	2.75kg	**-3660K**
	80	3.13kg	**-3680K**
	90	3.62kg	**-3700K**
	100	3.94kg	**-3720K**
25	50	5.10kg	**-3920K**

Steel Balls

Low carbon case hardened steel balls are for general use in castors, conveyors, non-precision bearings and any slow rotating parts. They have resistance to shock loads with a good load carrying ability and excellent resistance to surface wear. The G100 standard ball is of a high spherical standard.



Diameter	Pack Qty	Weight	Order Code QFT-671
Metric			
2mm	100	4g	**-1002B**
3mm	50	6g	**-1003C**
4mm	50	18g	**-1004D**
5mm	50	26g	**-1005E**
6mm	50	44g	**-1006F**
7mm	50	70g	**-1007R**
8mm	25	55g	**-1008G**
10mm	25	105g	**-1010J**
12mm	10	71g	**-1012L**
16mm	10	168g	**-1016Q**
20mm	10	327g	**-1020S**

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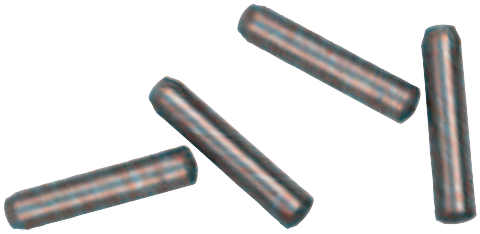
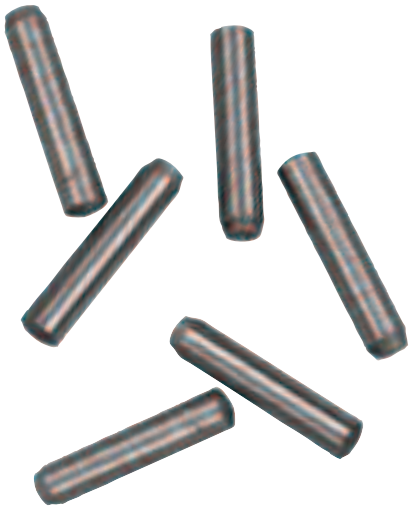
KENNEDY Quality Industrial Dowel Pins

Hardened and precision ground. Conform with **DIN 6325**. **Metric:** Sizes 3mm are manufactured from non-hardened silver steel, 4mm and above are high quality through hardened mild steel.

Tolerances:

3mm	= +0.002 +0.008
4 - 6mm	= +0.004 +0.012
8 - 10mm	= +0.006 +0.0015
12 - 16mm	= +0.007 +0.0018.





Sizes 1/16" and 1/8" are manufactured from non-hardened silver steel, 3/16" and above are high quality case hardened mild steel.

Tolerances:
All sizes = +0.001" +0.003".

Metric

Dia. (mm)	Length mm	Weight per 100	Order Code KEN-650
2	6	34g	-0500K
	8	100g	-0520K
	10	125g	-0530K
2.5	6	36g	-0580K
	8	38g	-0600K
	10	40g	-0620K
	12	45g	-0640K
3	6	110g	-0860K
	8	120g	-0880K
	10	130g	-0900K
	12	140g	-0920K
	14	145g	-0930K
	16	150g	-0940K
	18	165g	-0950K
	20	180g	-0960K
	24	188g	-0970K
	25	190g	-0980K
	28	200g	-0990K
	30	210g	-0995K
	40	300g	-1040K
4	6	75g	-1060K
	8	87g	-1080K
	10	100g	-1100K
	12	150g	-1120K
	14	200g	-1130K
	16	220g	-1140K
	18	230g	-1150K
	20	240g	-1160K
	24	280g	-1170K
	25	300g	-1180K
	28	307g	-1190K
	30	310g	-1200K
	32	330g	-1210K
	36	405g	-1230K
	40	410g	-1240K
5	10	200g	-1310K
	12	220g	-1320K
	16	300g	-1340K
	18	350g	-1350K
	20	400g	-1360K
	24	420g	-1370K
	25	420g	-1380K
	30	500g	-1400K
	32	540g	-1410K
	35	600g	-1420K
	36	620g	-1430K
	40	640g	-1440K
	50	800g	-1460K

Metric . . . continued

Dia. (mm)	Length mm	Weight per 100	Order Code KEN-650
6	10	410g	-0151K
	12	430g	-1520K
	14	450g	-1530K
	16	470g	-1540K
	18	480g	-1550K
	20	500g	-1560K
	24	530g	-1570K
	25	600kg	-1580K
	28	660g	-1590K
	30	700g	-1600K
	32	740g	-1610K
	35	800g	-1620K
	36	820g	-1630K
	40	900g	-1640K
	50	1.10kg	-1680K
	60	1.40kg	-1720K
8	16	700g	-1840K
	18	740g	-1850K
	20	780g	-1860K
	24	960g	-1870K
	25	1.00kg	-1880K
	28	1.10kg	-1890K
	30	1.20kg	-1900K
	32	1.28kg	-1910K
	35	1.40kg	-1920K
	36	1.40kg	-1930K
	40	1.60kg	-1940K
	45	1.80kg	-1960K
	50	2.00kg	-1980K
	60	2.30kg	-2020K
	70	2.50kg	-2040K
	80	3.00kg	-2080K
10	20	1.30kg	-2160K
	24	1.60kg	-2170K
	25	1.60kg	-2180K
	28	1.90kg	-2190K
	30	1.90kg	-2200K
	32	2.00kg	-2210K
	35	2.20kg	-2220K
	36	2.28kg	-2230K
	40	2.50kg	-2240K
	45	2.80kg	-2260K
	50	3.20kg	-2280K
	60	37.0kg	-2320K
	70	4.30kg	-2340K
	80	5.00kg	-2360K
	90	5.70kg	-2380K
	100	7.10kg	-2400K
12	20	2.20kg	-2460K
	24	2.30kg	-2470K
	25	2.30kg	-2480K
	28	2.65kg	-2490K
	30	2.80kg	-2500K
	32	3.00kg	-2510K
	35	3.20kg	-2520K
	36	3.20kg	-2530K
	40	7.30kg	-2540K
	45	4.10kg	-2560K
	50	4.60kg	-2580K
	60	5.50kg	-2620K
	70	6.20kg	-2640K
	80	7.10kg	-2660K
	90	8.00kg	-2680K
	100	8.90kg	-2700K
16	32	5.00kg	-2800K
	36	5.60kg	-2820K
	40	6.30kg	-2840K
	45	7.10kg	-2860K
	50	7.90kg	-2880K
	60	9.50kg	-2920K
	70	11.00kg	-2940K
	80	12.00kg	-2960K
	100	15.80kg	-3000K

Inch

Dia. (mm)	Length mm	Weight per 100	Order Code KEN-650
1/8"	1/4"	110g	-4620K
	3/8"	120g	-4660K
	1/2"	130g	-4700K
	5/8"	140g	-4740K
	3/4"	150g	-4760K
	1"	200g	-4800K
	1 1/2"	300g	-4880K
	2"	600g	-4960K
3/16"	1/2"	280g	-5500K
	5/8"	300g	-5540K
	3/4"	400g	-5560K
	1"	500g	-5600K
	1 1/4"	550g	-5640K
	1 1/2"	600g	-5680K
	2"	800g	-5760K
1/4"	1/2"	400g	-6300K
	5/8"	500g	-6340K
	3/4"	550g	-6360K
	1"	700g	-6400K
	1 1/4"	820g	-6440K
	1 1/2"	1.10kg	-6480K
	2"	1.40kg	-6560K
5/16"	1/2"	600g	-6850K
	3/4"	800g	-6860K
	1"	1.20kg	-6900K
	1 1/4"	1.40kg	-6940K
	1 1/2"	1.60kg	-6980K
	2"	2.20kg	-7060K
	2 1/2"	2.80kg	-7140K
	3"	3.20kg	-7220K
	3 1/2"	3.90kg	-7300K
3/8"	5/8"	1.10kg	-7420K
	3/4"	1.30kg	-7460K
	1"	1.60kg	-7500K
	1 1/4"	2.10kg	-7540K
	1 1/2"	2.40kg	-7580K
	1 3/4"	2.80kg	-7620K
	2"	3.10kg	-7660K
	2 1/2"	3.90kg	-7740K
	3"	4.60kg	-7820K
	3 1/2"	5.80kg	-7900K
1/2"	5/8"	1.80kg	-8060K
	3/4"	2.30kg	-8080K
	1"	3.00kg	-8100K
	1 1/4"	3.70kg	-8140K
	1 1/2"	4.10kg	-8180K
	1 3/4"	4.80kg	-8220K
	2"	6.00kg	-8260K
	2 1/4"	6.10kg	-8300K
	2 1/2"	6.80kg	-8340K
	2 3/4"	12.20kg	-8380K
	3"	8.00kg	-8420K
	3 1/2"	9.30kg	-8480K
	4"	10.70kg	-8520K
5/8"	1"	5.00kg	-8680K
	1 1/4"	6.80kg	-8700K
	2"	8.60kg	-8760K
	3"	12.20kg	-8920K
	3 1/2"	14.60kg	-8960K
	4"	16.30kg	-9000K
3/4"	1 1/2"	9.20kg	-9160K
	2"	10.04kg	-9180K
	4"	15.20kg	-9280K
	3"	18.20kg	-9940K

FASTENERS

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MATLOCK Zinc-Plated Hose Clips BZP

Non-slip worm drive. Precision manufactured from the finest steel to **DIN 3017.**
Passivated zinc finish to give double protection. For automotive, gas, plumbing and agricultural applications.



ZINC-PLATED

Size	Capacity (mm)	Order Code MTL-662
000	8-12	**-5050K**
M00	10-16	**-5070K**
00	12-20	**-5090K**
0	12-22	**-5110K**
0X	16-27	**-5130K**
1A	20-32	**-5150K**
1	23-35	**-5160K**
1X	25-40	**-5170K**
2A	32-50	**-5190K**
2	40-55	**-5210K**
2X	40-60	**-5230K**
3	50-70	**-5250K**
3X	60-80	**-5270K**
4	70-90	**-5290K**
4X	80-100	**-5310K**
5	90-110	**-5330K**
6	110-120	**-5350K**
6X	120-140	**-5370K**

Zinc-Plated Hose Clip Sets

50 piece set contains sizes 000 to size 2X. (8mm to 60mm dia.).4 x 000 - quantities as below. **100 piece set contains double these quantities**.

4 x 000	3 x1A	2 x 2X	1 x 5
4 x M00	5 x 1	2 x 3	1 x 6
6 x 00	3 x 1X	1 x 3X	1 x 6X
4 x 0	2 x 2A	2 x 4	1 x 7
3 x 0X	3 x 2	1 x 4X	1 x 8



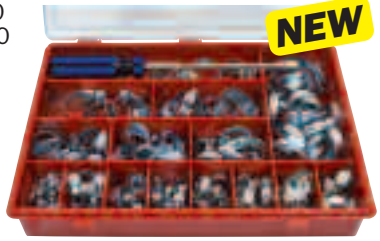
ZINC-PLATED

Number of Pieces	Weight each	Order Code MTL-662
50	1.50kg	**-5950K**
100	3.00kg	**-5990K**

Hose Clip Service Set

Manufactured from zinc-plated mild steel. Supplied in service case with Flex-Driver.

30 x 000
30 x M00
25 x 0
25 x 0X
12 x1A
12 x 1X
6 x 2A



NEW

No. of Pieces	Order Code MTL-662
140	**-6000K**

Stainless Steel Hose Clips

Clamps incorporate rolled band edges that won't cut hose, stamped threads for uniform tensioning and one-piece stamped worm housing for superior strength. Precision manufactured from the finest steel to **DIN 3017.**



STAINLESS STEEL

Size	Capacity (mm)	Order Code MTL-662
000	8-12	**-4050K**
M00	10-16	**-4070K**
00	12-20	**-4090K**
0	12-22	**-4110K**
0X	16-27	**-4130K**
1A	20-32	**-4150K**
1	23-35	**-4160K**
1X	25-40	**-4170K**
2A	32-50	**-4190K**
2	40-55	**-4210K**
2X	40-60	**-4230K**

Stainless Steel Hose Clip Set

Contains sizes 000 to size 2X. (8mm to 60mm dia.).

STAINLESS STEEL

4 x 000	6 x 0	5 x 1	3 x 2X
4 x M00	5 x 0X	4 x 1X	
8 x 00	4 x 1A	3 x 2A	



Number of Pieces	Weight each	Order Code MTL-662
50	700g	**-5960K**

Quick Release Stainless Steel Hose Clips

STAINLESS STEEL

Easy to fit, quick clamps.
The swivel-action locking of screw band makes both installation and removal fast and easy. ideal for use in difficult positions and applications. Precision manufactured from the finest steel to **DIN 3017.**

Band and Housing Material: 210/301.
Stainless Steel Screw: 5/16" Hex-Head 410.



NEW

Capacity (mm)	Order Code MTL-662
25-101	**-6020K**
44-178	**-6040K**
44-217	**-6060K**
44-406	**-6080K**
44-559	**-6100K**
51-127	**-6120K**
51-254	**-6140K**
52-152	**-6160K**
52-312	**-6180K**
355-508	**-6300K**
362-457	**-6320K**

Hose Clip Flex-Driver

Bends through 90° to reach otherwise inaccessible clips. High impact Hi Grip handle. Drive shaft has 1/4" hex drive fitted with 7mm (single hex) removable adaptor. Also features swivel collar at drive end.



NEW

Length (mm)	Weight each	Order Code MTL-662
280	160g	**-9990K**

Nut & Bolt Clips

ZINC-PLATED

'Junior' Style
Mild zinc protected nut and bolt clips. Ideal for use on petrol pipes and small bore hoses. 7mm A/F screw, 1.2Nm maximum tightening torque.



Size	Capacity (mm)	Order Code MTL-662
J09	7-9	**-8060K**
J10	8-10	**-8070K**
J11	9-11	**-8080K**
J12	10-12	**-8090K**
J13	11-13	**-8100K**
J14	12-14	**-8110K**
J15	13-15	**-8120K**
J16	14-16	**-8130K**
J17	15-17	**-8140K**
J18	16-18	**-8150K**

Nut & Bolt Clips Sets
Assorted clip sets. **Capacity:** 7 to 20mm.

Number of Pieces	Order Code MTL-662
65	**-8180K**
160	**-8190K**

Heavy Duty Bolt Clamps

'Super' Style
Heavy duty bolt clamps to **DIN 3017** are specifically designed to give extremely high band tension for sealing pressure/suction lines with either steel or plastic reinforcement and high shore hardness. Reinforced loops withstand significantly higher torques and the mechanically locked closure has no welding points and therefore no contact corrosion. Bridge gives optimal hose protection and the robust band with rounded edges for protection against injuries and/or damage to the hose surface. W2 material. Band grade 430 stainless steel. Housing/bolt 8.8 grade BZP.



Size	Capacity (mm)	Order Code MTL-662
S19	17-19	**-9010K**
S22	20-22	**-9020K**
S25	23-25	**-9030K**
S28	26-28	**-9040K**
S31	29-31	**-9050K**
S35	32-35	**-9060K**
S39	36-39	**-9070K**
S43	40-43	**-9080K**
S47	43-47	**-9090K**
S51	47-51	**-9100K**
S55	51-55	**-9110K**
s59	55-59	**-9120K**
S63	59-63	**-9130K**
S68	63-68	**-9140K**
S73	68-73	**-9150K**
S79	73-79	**-9160K**
S85	79-85	**-9170K**
S91	85-91	**-9180K**
S97	91-97	**-9190K**
S104	97-104	**-9200K**
S112	104-112	**-9210K**
S121	112-121	**-9220K**
S130	121-130	**-9230K**
S140	130-140	**-9240K**
S150	140-150	**-9250K**
S162	150-162	**-9260K**
S174	162-174	**-9270K**
S187	174-187	**-9280K**
S200	187-200	**-9290K**
S213	200-213	**-9300K**
S226	213-226	**-9310K**
S239	226-239	**-9320K**
S252	239-252	**-9330K**

FASTENERS

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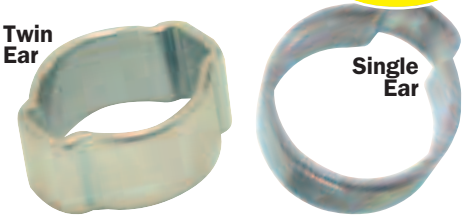
MATLOCK O-Clips

Manufactured from zinc-plated mild steel. Medium pressure clamp, widely used for maintenance and OEM applications. Rubber hose, plastic tubing, coaxial and electrical cable are easily clamped. Suitable for use on air, fluid, gas and steam lines also low pressure hydraulics applications. One-piece design offers a positive, tamperproof seal without damage to the hose, assure adequate closure and compensate for tolerance variations in hose sizes.

Pack quantity: 100.

EXTENDED RANGE



N.B. Gas hoses should only be assembled by professionally qualified fitters

Size	Capacity (mm)	Order Code MTL-662
	Twin Ear Style	
9T	7 - 9	**-7060K**
11T	8 - 11	**-7070K**
13T	11 - 13	**-7090K**
15T	13 - 15	**-7100K**
18T	15 - 18	**-7120K**
20T	17 - 20	**-7140K**
23T	20 - 23	**-7160K**
	Single Ear Style	
9S	7 - 9	**-6920K**
10S	8 -10	**-6930K**
11S	9 - 11	**-6940K**
12S	10 - 12	**-6950K**
13S	11 - 13	**-6960K**
14S	12 - 14	**-6970K**
16S	14 - 16	**-6980K**
18S	16 - 18	**-6990K**

Welding Hose Clip Sets



Manufactured from zinc-plated mild steel.

75 Piece Size range: 9T to 18T

165 Piece with Pincers Size range: 13T to 20T



NEW

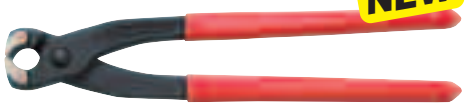
No. of Pieces	Order Code MTL-662
75	**-7200K**
165	**-7210K**

KENNEDY O-Clip Pincers

O-clip pincers are designed for rapidly closing O-clips ensuring a positive tamperproof seal. Manufactured from chrome vanadium steel with induction hardened, ground and polished jaws. Bonded vinyl-coated handle.

Overall length: 200mm.

NEW



Length (mm)	Order Code KEN-558
200	**-1000K**

Rubber-Lined P-Clips

All clips lined in EPM rubber which is fully resilient to oils and extreme temperatures (-50°C to 160°C). Applications include automotive engine compartment and chassis, electrical cables, pipework, ducting, refrigeration and machine installations.



Capacity (mm)	Order Code MTL-662
	Mild Steel - Zinc-Plated
4	**-8520K**
5	**-8530K**
6	**-8540K**
8	**-8550K**
10	**-8560K**
13	**-8570K**
16	**-8580K**
19	**-8590K**
21	**-8600K**
22	**-8610K**
25	**-8620K**
27	**-8630K**
30	**-8640K**
32	**-8650K**
35	**-8660K**
38	**-8670K**
40	**-8680K**
	Stainless Steel
5	**-8830K**
6	**-8840K**
8	**-8850K**
10	**-8860K**
13	**-8870K**
16	**-8880K**
18	**-8890K**
20	**-8900K**
21	**-8910K**
22	**-8920K**
25	**-8930K**
28	**-8940K**
30	**-8950K**
32	**-8960K**
34	**-8970K**
38	**-8980K**
40	**-8990K**

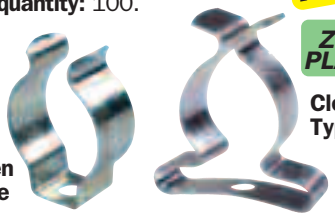
Terry Type Spring Clips BZP

High quality spring steel clips with bright zinc plated finish (BZP). Ideal for securing tools, pipes etc.

Pack quantity: 100.

NEW

ZINC-PLATED



Size	Capacity (mm)	Order Code MTL-662
		Open Type
T1	6	**-1000K**
T2	10	**-1010K**
T3	12	**-1020K**
T4	16	**-1030K**
T5	20	**-1040K**
T6	25	**-1050K**
T7	32	**-1060K**
T8	38	**-1070K**
T9	50	**-1080K**
		Closed Type
C1	6	**-2100K**
C2	10	**-2110K**
C3	12	**-2120K**
C4	16	**-2130K**
C5	20	**-2140K**
C6	25	**-2150K**
C7	32	**-2160K**
C8	38	**-2170K**
C9	50	**-2180K**

Assorted Packs

Type	No. of Pieces	Order Code MTL-662
Open	160	**-1180K**
Closed	124	**-2280K**

MATLOCK Saddle Clamps

Widely used for fixing pipes and cables in all industries.

Half Saddle Clamps - Heavy Duty DIN1596.

NEW



Type	Size (mm)	Order Code MTL-662
1-Pipe	7	**-7700K**
	9	**-7710K**
	13	**-7720K**
	15.5	**-7730K**
	19	**-7740K**
	23	**-7750K**
	26	**-7760K**
	28.5	**-7770K**
	31	**-7780K**
	33	**-7790K**

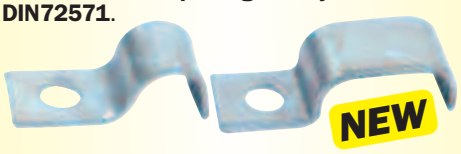
Twin Saddle Clamps DIN72572.

NEW



Size (mm)	Order Code MTL-662
5	**-7850K**
6	**-7860K**
7	**-7870K**
8	**-7880K**
10	**-7890K**
12	**-7900K**
15	**-7910K**
18	**-7920K**
20	**-7930K**
22	**-7940K**

Half Saddle Clamps - Light Duty DIN72571.



NEW

Type	Size (mm)	Order Code MTL-662
1-Pipe	4	**-7300K**
	5	**-7310K**
	6	**-7320K**
	7	**-7330K**
	8	**-7340K**
	10	**-7350K**
	12	**-7360K**
	16	**-7370K**
2-Pipe	4	**-7400K**
	5	**-7410K**
	6	**-7420K**
	7	**-7430K**
	8	**-7440K**
	10	**-7450K**
	12	**-7460K**

Full Saddle Clamps - Light Duty DIN72573.

NEW



Type	Size (mm)	Order Code MTL-662
1-Pipe	4	**-7470K**
	5	**-7480K**
	6	**-7490K**
	7	**-7500K**
	8	**-7510K**
	10	**-7520K**
	12	**-7530K**
	15	**-7540K**
	18	**-7550K**
	20	**-7560K**
	22	**-7570K**
2-Pipe	4	**-7600K**
	5	**-7610K**
	6	**-7620K**
	8	**-7630K**
	10	**-7640K**

FASTENERS

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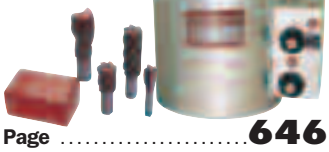
GROUP 708 HOT DIP



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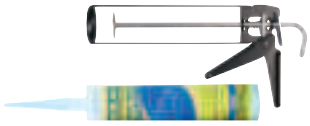
GROUP 716 SEALANTS & FILLERS



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GROUP 725 ADHESIVES



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GROUP 726 'O' RINGS



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GROUP 727 DEGREASERS



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GROUP 732 CLEANERS & SOLVENTS



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GROUP 732 MAINTENANCE SPRAYS & LUBRICANTS



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GROUP 732 WELDER'S ANTI-SPATTER



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GROUP 732 AUTOMOTIVE MAINTENANCE & REPAIR



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GROUP 732 TAPPING & DRILLING LUBRICANTS



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GROUP 734 MARKERS - LINE & PAINT



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GROUP 740 METAL WORKING LUBRICANTS



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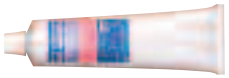
GROUP 740 FOOD SAFE LUBRICANTS & CLEANERS



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LUBRICANTS & CHEMICAL PRODUCTS

Product Groups 703 - 742

Product Grading

Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.

Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.

Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.

Workshop
Standard quality tooling for use by tradesmen and generally industrial use.

Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.

Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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Tapping & Drilling Lubricants	732	**652**

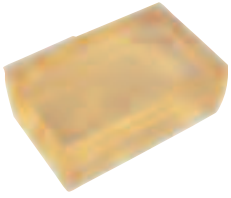
KENNEDY Protective Coating Red-Hot-Dip

Hot dip strippable plastic coating moulds itself around the component or tool being coated to provide 100% coverage and protects against corrosion and impacts, for up to ten years. The component protected can be easily identified through the translucent coating. Simply removed by peeling it off, leaves behind a thin oil film to provide short term protection against corrosion. The removed protective dip can be reused. Never directly apply heat to melt the protective dip, always use with a suitable melting pot. Working temperature 130°C to 160°C (for optimum results 140°C to 145°C).

RD160
Red

AD160
Amber







Description (Bars)	Weight each	Order Code KEN-708
RD160 Single Bar	0.50kg	-0050K
RD160 Case (50)	25.00kg	-0250K
AD160 Single Bar	0.50kg	-0500K
AD160 Case (50)	25.00kg	-0550K

Industrial Melting Pots

A range of melting pots which have been designed for industrial melting of waxes, glues and plastics etc. for coating, casting, protecting etc. The pots are electrically heated and thermostatically temperature controlled from 50°C to 200°C.
Constructed from anodised aluminium with ceramic fibre insulation.
Pots supplied with 2m cable and fused plug, lifting handle, double wall heat-conserving lid, on/off switch and safety thermal cut-out. 220/240V as standard.



Capacity Litres	Capacity Pints	Internal Dimensions Diameter	Internal Dimensions Depth	Maximum Wattage	Order Code KEN-709
0.7	1.20	100mm	90mm	275	-1010K
2.5	4.40	150mm	140mm	600	-1030K
6.0	10.5	200mm	190mm	1125	-1060K
12.0	21.0	250mm	240mm	1650	-1120K

SHERLOCK QUALITY SEALANTS Silicone Sealants

General-Purpose Silicone
High performance acetoxy silicone provides a permanently watertight flexible seal and offers excellent adhesive properties, making it suitable for use on glass, sanitary-ware, ceramics and non-porous surfaces.

For indoor and outdoor use.
Weather-proof.
Mould-resistant.
Life expectancy up to 25 years.
Conforms to **BS 5889**.

Size:
310ml cartridge.

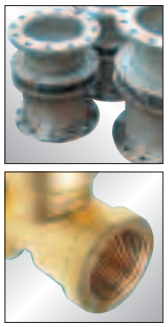


Colour	Order Code SHK-716
White	-3100K
Clear	-3110K
Black	-3130K
Grey	-3140K

Non-setting Sealant

Gas Seal
Non-setting, off-white compound for use on metallic threaded and face joints carrying gas including aluminium, copper, steel and zinc. Suitable for use with propane, butane, LPG and natural gas. Ideal for boats, camping, motor-homes, caravans, BBQs and most domestic appliances. Full bond strength is achieved immediately dependent upon humidity levels. Can be wiped up with a disposable cloth, any residual excess can be rinsed with water.

Temperature range: -20°C to +125°C.
Maximum gas pressure: 2.9psi (0.2bar)

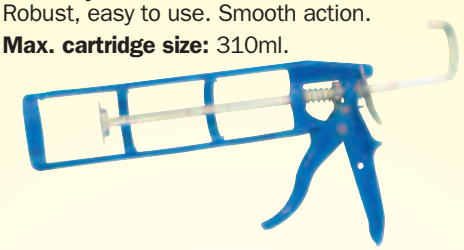




Size	Order Code SHK-720
400g	-4010K

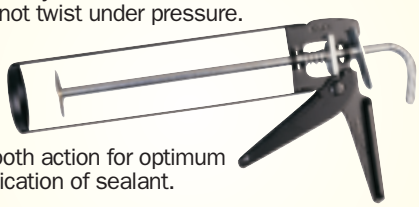
KENNEDY Sealant Cartridge Applicator Guns

Economy Plastic Gun - C3
Robust, easy to use. Smooth action.
Max. cartridge size: 310ml.



Type	Cartridge (max size)	Order Code KEN-715
C3	310ml	-1200K

Professional Metal Guns
Extremely robust and ideal for continuous use. Will not twist under pressure.



Smooth action for optimum application of sealant.

Type	Cartridge (max size)	Order Code KEN-715
C3	310ml	-1000K
C4	400ml	-2000K

Ergonomic Sealant Applicator Gun

Heavy Duty Metal Gun - C3
Extremely robust and ideal for continuous use. Will not twist under pressure, ergonomically designed to reduce operator fatigue.

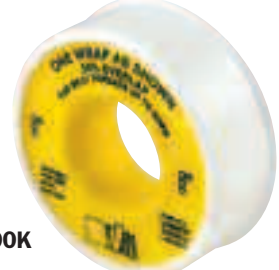


Smooth action for optimum application of sealant.

Type	Cartridge (max size)	Order Code KEN-715
C3	310ml	-1400K

P.T.F.E. Sealing Tape

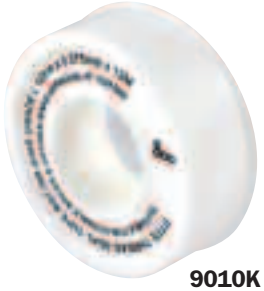
Gas Type: For gas and hot water pipes (not for potable water). Made to **BS EN 751:3**.
Water Type: For hot and cold water pipes. Made to **BS 6920 & BS 7786**.



8000K



9000K



9010K

Type	Width x Length	Order Code KEN-983
Gas	12mm x 5m	-8000K
	25mm x 12m	-9010K
Water	12mm x 12m	-9000K

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SOLENT MAINTENANCE Floor Paint

Attractive and hard wearing, transforms drab, stained or scuffed concrete and similar surfaces. Suitable for floors in warehouses, workshops, shop floors garages, basements, etc.

Coverage: up to 8m²/ltr (two coats recommended).

Please note, colours are for guidance only.



Colour	Size	Order Code SOL-721
Mid Grey	5ltr	-2050E
Tile Red		-2100K
Mid Green		-2030C
Dark Grey		-2040D
Mid Blue		-2060F
Safety Yellow		-2120K

Anti-Slip Floor Paint

Tuffgrip

Solvent free industrial quality floor paint. Applied by roller as a one-coat system, to provide traction in areas of slip hazard. Hard wearing, epoxy resin anti-slip coating suitable for use on heavy trafficked concrete, stone, steel and wooden floor surfaces.

Coverage: 5m² per pack.

Please note, colours are for guidance only.



Colour	Order Code SOL-721
Mid Grey	-3050E
Safety Yellow	-3080H
Tile Red	-3100K

Hygienic Floor Paint

Suitable for floors in warehouses, workshops, shop floors, garages, basements, etc. Oil resistant and easy to clean. No primer required.

Hygienic

Water-based anti-bacterial topcoat for floors where hygiene control is essential, including hospitals, kitchens etc. Approved biocide paint with exceptional abrasion resistance. Easy to clean - resistant to oils, solvents and many chemicals.

Coverage: up to 8m² per litre (two coats recommended).

Size: 5 ltr.

NEW



Colour	Order Code SOL-721
Dark Grey	-2010A

SHERLOCK QUALITY ADHESIVES Instant Nails

A high strength gap filling solvent-free adhesive that produces a quick 'grab' and replaces mechanical fixings in a multitude of home improvement applications.
Dries white and is over-paintable when dry.



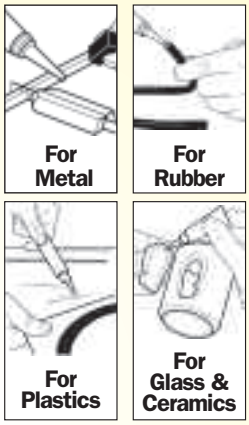


Size	Order Code SHK-725
310ml	-6500K

Instant Adhesive

High performance cyanoacrylate adhesive suitable for use on metal, plastic, china, leather, wood, glass and rubber.
Bonds in seconds.





1001 uses in the Home and Workshop

Size	Order Code SHK-725
3g	-6010K

KENNEDY QUALITY INDUSTRIAL TOOLING Heavy Duty Spray Adhesive

Provides a flexible but ultra strong bond for many applications from foam backed carpets and carpet tiles, underfelt, flexible foams, fabrics, felt and cork to plywood, softwood, MDF, laminates, metal, hardboard, glass and rigid plastics.

Size: 500ml.



Size	Order Code SHK-725
500ml	-4240K

Enamel Paint

This tough enamel has long lasting flexibility when used to cover rust, bare metal and wood, repelling moisture to give long term protection. It must be applied in temperatures of 5° C or above and is sag resistant to eliminate brush strokes, dilutable by white spirit and can be used for interior or exterior applications.



RAL	Colour	Size	Order Code SOL-721
9005	Black	1ltr	-6110A
		2.5ltr	-6110C
		5ltr	-6110E
5012	Blue	2.5ltr	-6112C
6010	Green	1ltr	-6114A
		2.5ltr	-6114C
3000	Red	1ltr	-6117A
		2.5ltr	-6117C
9010	White	1ltr	-6118A
		2.5ltr	-6118C
		5ltr	-6118E
1007	Yellow	1ltr	-6120A
		2.5ltr	-6120C

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GROUP 726/727 'O' RINGS/DEGREASERS

SHERLOCK QUALITY SEALANTS Nitrile 'O' Ring Service Kits

Inch 'O' Rings manufactured to **BS1806**.
Metric 'O' Rings manufactured to **DIN 7715** standards.

Both kits are supplied in a durable storage box with sunken cavities for the simple location of the correct sized rings.



NEW



Size range
Inch kit: 1/8" - 2"
Metric kit: 3mm - 50mm

Product Number	Type	Number of Pieces	Order Code SHK-726
OR1	Inch	407	**-5510K**
OR2	Metric	419	**-5520K**

SOLENT MAINTENANCE Biodegradable Degreaser

For cleaning and degreasing equipment and parts. Safe for use all around the house even on delicate surfaces. Powerful degreaser removes difficult soils such as dust-laden oils, fuels and lubricants. For vitually all hard surfaces and ferrous metals. Non-toxic, non-reactive and non-carcinogenic. Derived from renewable resources.



Size	Order Code SOL-727
1ltr	**-3240D**

SOLENT MAINTENANCE Just Orange

Citrus-Based Solvent Degreaser
Just Orange is a powerful, citrus-based solvent degreaser for the cleaning and degreasing of engineering components and equipment. Effectively removes heavy oils, greases, bitumen, wet paints, adhesives and sealants from virtually all hard surfaces.
Contains no Chlorinated or Aromatic solvents.
For use as an alternative to solvents such as acetone, benzene, butyl cellusolve, CFC's, Freon, Methylene Chloride, HCFC's, isopropyl alcohol;, methyl ethyl, ketone, mineral spirits, toluene, trichloroethylene, xylene etc.



Orange Plus

Citrus-Based Water Rinseable Degreaser
Orange-Plus is a highly effective, water rinseable solvent degreaser for the removal of stubborn and heavy oils, greases, paints, inks, adhesive and resins from engineering components and equipment. Once cleaned, the contaminants can be rinsed away with water. Suitable for all metals, including plant and machinery, and some plastics.
Contains no Chlorinated or Aromatic solvents.
For use as an alternative to solvents such as xylene, toluene, acetone etc.
Not recommended for use with Parts Washers

NATURAL FORMULA
SOLENT™ MAINTENANCE
INDUSTRIAL STRENGTH

Aqueous Orange

Citrus-Based Aqueous Cleaner
Aqueous Orange is highly oncentrated, low alkaline blend of citrus solvents and powerful surfactants, designed to remove oils and greases, inks, polishing compounds and lapping slurry from hard surfaces. It can be diluted with water for maximum economy and its micro-emulsion formula offers the benefits of water-based efficiency with solvent based performance. It also contains a corrosion inhibitor and can be used both manually and in machine operations. Replaces white spirit, paraffin and highly alkaline cleaners.



Size	Order Code SOL-727
1ltr	**-2800A**
5ltr	**-2810B**
20ltr	**-2820C**



Size	Order Code SOL-727
5ltr	**-2910B**
20ltr	**-2920C**



Size	Order Code SOL-727	
5ltr	**-2610B**	**N/A**
20ltr	**-2620C**	**N/A**

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SOLENT MAINTENANCE

De-Icer

Fast acting de-icer that melts ice fast, perfect for those frosty mornings or evenings. The effective formula helps prevent the windows from re-freezing and works to temperatures of -20°C. Handy sized aerosol can that's quick and easy to use.



NEW

Size	Order Code SOL-732
600ml	-9550K

Deluxe Ice Scraper

Tough one piece scraper for the effective removal of snow and ice.

Width: 95mm.
Length: 210mm.



NEW

Width	Length	Order Code SOL-907
95mm	210mm	-4520K

Dashboard Shine

Designed for cleaning, polishing and protecting dashboards and interior and exterior trims. It restores original colour and leaves a high shine finish with a fresh strawberry fragrance. Ideal for use on plastic, vinyl and rubber. Easy to use with a spray-on and wipe application.



NEW

Size	Order Code SOL-732
500ml	-9440K

Leather Cleaner

Enriched with Carnauba wax and Beeswax to clean, condition and protect a car's leather interior. Regular use will help maintain suppleness and prevent leather from drying and cracking. Spray-on application makes it easy to use and it is water resistant and non abrasive.



NEW

Size	Order Code SOL-732
500ml	-9450K

Alloy Wheel Cleaner

Cleans hardened brake dust, dirt and road grime that accumulates on alloy wheels. It has a powerful, acid-free formula to remove grease and oil, whilst its thick foaming action ensures excellent adherence to vertical surfaces to reduce run-off. Easy to use with spray-on application.



NEW

Size	Order Code SOL-732
500ml	-9430K

Brake Cleaner Spray

A fast drying, solvent based, heavy duty degreaser designed to remove dust, grease and oil from brake components and clutch assemblies. Eliminates brake squeal and clutch slip caused by contaminated components. Easy to use 360° spray application.



NEW

Size	Order Code SOL-732
600ml	-9520K

SOLENT CLEANING & HYGIENE

Concentrated Screen Wash

Can be used all year round and is the ideal way to keep your windscreen clean and clear of insects, road grime and traffic film. The anti-smear formula leaves a crystal clear windscreen with every wash and resists freezing. Ideal for winter motoring. Contains water softeners.

Dilution Recommendation
Summer:
25% 1 part wash to 3 parts water.
Winter:
50% 1 part wash to 1 part water.
Harsh winter:
use neat.



Size	Order Code SOL-732
5ltr	-9400K
25ltr	-9420K

Glass Cleaner

Simply spray on and wipe off to leave windows clean and sparkling. Contains vinegar for extra cleaning and a demisting additive.





Size	Order Code SOL-780	
750ml	-3025M	N/A

Tyre Shine

The durable, long lasting ormula is designed to give used tyres a 'new look' deep gloss shine while helping to prevent weathering and fading. Easy to use with a spray-on application that requires no polishing or buffing.



NEW

Size	Order Code SOL-732
500ml	-9460K

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SOLENT MAINTENANCE

Rapid Dry Cleaner Spray

SC1-500B

Solent rapid dry solvent cleaner is supplied in a large 500ml aerosol. The product is formulated to quickly penetrate grease, oil and general soiling from metal/electrical components and precision parts. The formulation rapidly evaporates leaving a clean, dry surface. Safe on most plastic components. Will soften some lacquers. If in doubt about suitability test on a scrap component or a small area before general application.



Size	Order Code SOL-732
500ml	-0100K

Low Odour Solvent

SC2-500B

Very fast drying. Designed for the engineering and electrical industries. As with all solvents test for compatibility before general application. The low odour level is ideal for items where product odour would be inappropriate.



Size	Order Code SOL-732
500ml	-9640K

Trike-Free Contact Cleaner

SC2-500C

An effective solvent based cleaner. The product is formulated to remove oil, grease and carbon dust from electrical switch gear and electronic components. It is safe on most common plastic parts, but will attack lacquer finishes and coatings. If in doubt about suitability, trial the product on a scrap sample first before general application. The product is propelled from the aerosol by CO_2 carbon dioxide gas (non-flammable). Electrical Switch Cleaner fluid is flammable. Always ensure power is switched off before applying this product to electrical equipment.



Size	Order Code SOL-732
500ml	-0120K

Foaming Spray

SC5-500B

Cuts through grease, dirt, oil and general soiling, contains no silicones. Ideal for non-porous surfaces. 1000+1 uses in the home, industry, garage or factory.



Size	Order Code SOL-732
500ml	-0180K

Metal Parts Cleaner - Citrus Based

SC3-500B

Citrus based cleaners are an effective alternative to pure solvent products. Deep penetrating action rapidly removes oils, grease, and general soiling.



Size	Order Code SOL-732
500ml	-9660K

Sticky Label Remover

LR1-250B

Designed to quickly and effectively remove old and difficult to remove self adhesive labels from a wide variety of surfaces. Formulated with extra strength for the industrial user, the product will quickly penetrate the label surface and soften the adhesive layer. This product will rapidly remove labels from, metal, tile, ceramic, powder coated and glass surfaces. This product will also remove chewing gum, marker pen ink, and ball point pen ink.



Size	Order Code SOL-732
250ml	-9630K

SITESAFE

Trike-Free Contact Cleaner

CCA500C

Suitable for cleaning and degreasing delicate components such as those used in electrical equipment. It can be used on most surfaces and will not affect PCBs, delicate plastics or painted surfaces. Non-corrosive. It contains only solvents which are permitted under the Montreal Protocol.



Size	Order Code SSF-732
500ml	-3120K

Anti-static Foam Cleaner

FCA500

This cleaner is recommended for the everyday cleaning of electronic and electrical equipment. It removes stubborn stains, nicotine, grease and general grime build-up from plastic, formica, leatherette, ceramics, glass, paintwork or any other non-porous hard surface. Ideal for use in offices, canteens, banks, schools, kitchens, washrooms and many other problem areas. It has been formulated from surfactants and solvents which are safe to use on most surfaces.



Size	Order Code SSF-732
500ml	-3180K

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SOLENT MAINTENANCE De-ionised Water DW25

For use in lead-acid car batteries. Also suitable for domestic appliances such as steam irons and steam cleaners, avoids problems caused by scaling. Can be used as a final rinse in car washing to avoid 'spotting'. Also suitable for rinsing scientific glassware.



Size	Order Code SOL-732
25ltr	-4250K

SOLENT MAINTENANCE Penetrating Spray

SM1-500B

Rapidly penetrates into rust and corroded fittings. Allows easy release and dismantling of fittings exposed to heat and great pressure. Can be used on wet metal components, does not contain silicone, CFCs or chlorine. Lubricates threads during release procedure, 30% less dense than water.



Size	Order Code SOL-732
500ml	-0400K

Chain & Drive Spray Lubricant

SM6-500B

Formulated to have a wide range of operating uses. Ideal lubricant for moving chains under extreme load and for chains not fitted with automatic lubrication nor running in oil baths. Formulated with a 'tacky additive' to resist 'throw off' on rapidly moving chains and drives. Ideal for fork trucks, conveyer systems, motorcycle chains. Can be used as a general-purpose lubricant for items subjected to extreme weather conditions. Can be used as a slideway lubricant for machine tools. Strong anti-rust qualities. Does not contain silicone or CFCs.



Size	Order Code SOL-732
500ml	-0500K

SITESAFE Wire Rope Lube Spray

WRS500

This spray lubricant has been formulated to lubricate and protect wire ropes from corrosion. It has good penetrative qualities to lubricate deep into the core of ropes, displacing water and increasing the life of the rope. 'Hi Tack' additives provide excellent adhesion to metal and reduced `fling off` during use.



Size	Order Code SSF-732
500ml	-3450K

Penetrating Spray

POA500

Penetrating oil for dismantling, lubricating and cleaning. This oil displaces water leaving a hydrophobic coating to protect surfaces from corrosion. It penetrates threads and crevices to release and lubricate delicate mechanisms, pivot points and sliding surfaces whilst degreasing hard surfaces.



Size	Order Code SSF-732
500ml	-3400K

Chain & Drive Spray

CCA500

This product is a special blend of quality oils, greases and solvents, designed to lubricate and protect all types of cables and slow moving chains. It penetrates quickly into the centre of cables providing excellent protection to the core. It will not sling off, drip or dry out even in adverse conditions. It will also penetrate chain rollers and links enabling smoother working and reduce friction, wear and the possibility of seizure.



Size	Order Code SSF-732
500ml	-3500K

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STD - Foaming Spray

For sawing, tapping and drilling. Can be used on yellow metals without the risk of staining. Foam aerosol rapidly penetrates and is able to cling to normally inaccessible areas and moving cutting edges. Extends tool life and metal removal rates. High anti-weld features. Reduces heat and improves surface finish. Fast drying and low odour. A must for all metalworkers and service engineers.



Size	Order Code SHR-732
400ml	-4210K

STD - Fluid Spray

For sawing, tapping and drilling. Aerosol penetrates and is able to cling to normally inaccessible areas and moving cutting edges. Can be used on steels, stainless and ceramics. Extends tool life and metal removal rates. High anti-weld features. Reduces heat and improves surface finish. Silicone and CFC-free. A must for all metalworkers and service engineers.



Size	Order Code SHR-732
400ml	-4000K

STD - Compound

For sawing, tapping and drilling. Extends tool life and metal removal rates. Reduces heat and improves surface finish. Silicone and CFC-free. A must for all metalworkers and service engineers.

STD Liquid (Poly Bottle)
Packed in a poly bottle with spout to allow controlled flood application. Extreme pressure (E.P.) lubricant. High anti-weld features. Reduces heat and improves surface finish.

STD Non-Drip Compound
For steels, stainless and ceramics. Can be used on yellow metals without the risk of staining. High anti-weld features. Reduces heat and improves surface finish. Non-drip compound can be applied by brush or by dipping the tap or drill.



Size	Order Code SHR-732
500ml	-4020K
5ltr	-4060K
500g	-4040K

Oil Spray

SM3-500C
Multi-purpose mineral lubricating oil formulated to have a wide operating range. It lubricates, penetrates, cleans and protects. Use on locks and hinges. Cleans and protects tools. Helps to release stubborn and rusted bolts. Outdoor protection making it ideal for boats. Suitable for household use yet strong enough for industrial applications. Contains a special blend of anti-rust agents which will protect all treated surfaces against corrosion. Does not contain silicone or CFCs.



Size	Order Code SOL-732
500ml	-0450K

Dry Moly Spray

SD1-500B
Premium grade dry molybdenum particle lubricant. Fast drying. Ideal for fastener lubrication. Effective on all grades of steel, copper, brass, stainless steel and foundry equipment where high temperatures are common. Also for open gear lubrication and any location where a wet coating is not acceptable or would burn off. Works at up to load rates of 100,000psi. No silicone content.



Size	Order Code SOL-732
500ml	-0200K

Air Tool Oil

Excellent air release quality, low foaming ability and resists clogging. Contains anti-rust and anti-wear additives. Extremely resistant to water absorption and can be mixed with all mineral oil based lubricants without draining the system. Can be used on air tools.
ISO Grade VG22.



Size	Order Code KEN-732
500ml	-8000K
5ltr	-8050K

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SOLENT MAINTENANCE Cold Zinc Spray

SZ1-500B

Fast drying corrosion protection. Matches colour of newly galvanised metal. Ideal for protecting welding joints in galvanised structures. Can be used as a top coat or primer. Compatible with most paint finishes. Contains no CFCs or lead. Fitted with directional spray button designed to assist application in outdoor locations with minimum over-spray.



Manufactured and tested to:
ASTM B117 (Hot Salt Spray)
BS AU 148:PT14 1969 (Natural Weathering)
DIN EN ISO 12944-1 (Corrosion Protection of Steel Structures)

Size	Order Code SOL-732
500ml	**-0900K**

ACTION CAN Maintenance Liquid

AC-90

Displaces water, helps start damp engines, penetrates rust, protects from corrosion, lubricates and stops squeaks. Silicone free, electrically non-conductive and can be used on or near electrical components, motor circuits etc, without affecting insulation or causing short circuits. Available in aerosols that use no CFCs and are ozone friendly or in screw top metal cans.
Does Not Contain Kerosene*, Paraffin* or Naphtha*.
(*These products are used by some other maintenance sprays or water displacing sprays but are associated with skin drying and irritations.)



Size	Order Code ACN-732
250ml Aerosol	**-0050K**
425ml Aerosol	**-0150K**
5ltr Can	**-0200K**
Applicator	**-0500K**

SOLENT MAINTENANCE M4-Plus Spray

SM4-500C 'M4 Plus'

Lubricates: High performance mineral oil based lubricant with PTFE.
Displaces Water: Helps start damp engines.
Penetrates: Releases rusty fixings.
Cleans & Protects: Cleans metal surfaces and prevents rusting of treated parts. Does not contain naphtha, kerosene or paraffin which are all associated with operator skin dryness, cracking or dermatitis.
CO_2 non-flammable propellant.
Does not contain silicone. Electrically non-conductive at normal ranges found in the home. Care must be taken if used on some electrical plastic components where 'crazing' may occur.



Size	Order Code SOL-732
500ml	**-0460K**

SITESAFE Cold Zinc Spray

CGA500

Fast drying corrosion protection. Matches colour of newly galvanised metal. Ideal for protecting welding joints in galvanised structures. Can be used as a top coat or primer. Compatible with most paint finishes. Contains no CFCs or lead. Fitted with directional spray button designed to assist application in outdoor locations with minimum over-spray.



Size	Order Code SSF-732
500ml	**-3900K**

SOLENT MAINTENANCE Anti-Rust Spray

SP1-500B Green

A soft thin film moisture/ corrosion protective coating. The coating has a slight green colouring which clearly indicates treated areas. Ideal for longer term moisture/corrosion protection of machined components/moulding dies and tools. Removed easily with Solent Industrial Cleaner.



Size	Order Code SOL-732
500ml	**-0600K**

Heavy Duty Anti-Rust Spray

SP2-500B

High performance corrosion inhibitor, sprayed directly onto the surface to be protected. Light brown in colour to identify treated surfaces. The film has self-healing properties and is easily removed with solvent cleaners. Coating resists moisture, acid and alkali fumes. The film does not contain silicone or halogens. Corrosion protection periods vary with environmental conditions. Typical interior protection in the UK in excess of two years. Product can be re-applied should conditions require it.



Size	Order Code SOL-732
500ml	**-0620K**

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Copper Grease Spray

SM7 500B - With Graphite

Copper grease spray is particularly effective on commercial/ passenger vehicle braking systems. Extra heavy duty copper grease with graphite.

High copper content - effective up to 1100°X. No λεαδ χοντεντ/ νο ΧΦΧσ/ νο σιλιχονε/ νο χηλορινατεδ χοντεντ. Διρεχτιοναλ σπραψ βυττον φορ πρεχισιον αππλιχατιον.



Size	Order Code SOL-732
500ml	-0520K

EP Open Gear Spray

SM8-500B - With Molybdenum

Solent EP Open Gear Spray lubricant is a premium extreme pressure lubricant packed in a 500ml aerosol. Based on molybdenum disulphide anti-wear additives. Suitable for lubricating all open gears where a thin film is specified. Suitable for temperatures as low as -40°X το +1 00°X.



Size	Order Code SOL-732
500ml	-0540K

3-Part Flaw Detector Inspection System

Fast reliable method for visually inspecting and spot-checking surfaces of welds, exotic alloys or standard metals, highly stressed structural members, critical castings, shafts, gears, spindles, and any other hard part where identification of surface flaws is essential. Detects flaws such as cracks, pin holes, welding laps and porousness either during manufacture or on-site.

Flaw Detector Cleaner Spray

SF1-500B

Quick drying, powerful solvent for cleaning surfaces prior to testing. Removes contaminants including oils, greases and grime.



Size	Order Code SOL-732
500ml	-0240K

Flaw Detector Dye Penetrant Spray

SF2-500B

Highly sensitive red dye, for use when detecting flaws on metal components under normal lighting conditions.



Size	Order Code SOL-732
500ml	-0260K

Flaw Detector Developer Spray

SF3-500B

White film to highlight any faults which have been detected when using Flaw Detector Penetrant. The product should be removed using Flaw Detector Cleaner Spray once cracks have been found and marked.



Size	Order Code SOL-732
500ml	-0280K

Drive Belt Dressing Spray

SB1-500B

Reduces slip on drive belts and helps to stop belt squeal. Can be used on drive belts exposed to weather, ideal for farm machines, alternator drive belts and fan belts. Helps to stop cracking and extends belt life. Can be used on rubber, leather, canvas and most types of synthetic belts.



Size	Order Code SOL-732
500ml	-0060K

Brake & Clutch Component Cleaner

BC90

A fast evaporating effective cleaner for brake components. Effective formulation for suppressing dust and debris. Kind to skin.



Size	Order Code ACN-732
500ml	-1500K

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SITESAFE

Leak Detector Spray

LDA500

For checking for the most minute leaks in any gas or air pressurised systems including commercial vehicle air brakes and pressure vessels. Contains no alcohols or solvents, is not caustic and contains a rust inhibitor. Spray directly onto the suspect area using the extension tube and examine for bubbling which will indicate leakage.



Size	Order Code SSF-732
500ml	-3340K

SOLENT MAINTENANCE

Leak Detector Spray

SL1-400A

A specially formulated, performance white fluid, designed to identify even the smallest gaseous leak. Applies a thin uniform film of surface active agents which identifies any leak or bleeding of joints. Bubbles in the film indicate the location of the leak. Will not give a false reading if mechanical sensing equipment is used. Suitable for use with most common gases.



Size	Order Code SOL-732
400ml	-0340K

Fault Detector Freeze Spray

SFC-415F

Fault Detector Freezer spray is a very cold rapidly evaporating high pressure gas jet. Applying to electronic components will lower the temperature of the component. Any faulty overheating component will cool and return to correct operation, thus indicating the faulty component. Cools objects very rapidly down to temperatures of -50°C. Can also be used to shrink fit metal parts where the application of heat would be inappropriate and can be used to freeze chewing gum deposits to aid removal.



Size	Order Code SOL-732
415ml	-9580K

Welder's Anti-Spatter Spray

SW1-400C

Solvent-based coating applied to metal before welding to prevent spatter from sticking to the metal. CO_2 propelled aerosol. Non-flammable. Silicone-free and removable with solvents prior to galvanising or painting.



Size	Order Code SOL-732
400g	-0840K

Water Based Anti-Spatter Fluid

SW2-400C

No solvent or silicone content. Fine spray pattern gives good coverage, prevents spatter buid-up on jigs, work. Ideal where further process work is involved, eg painting, galvanising with a rust inhibitor.



Size	Order Code SOL-732
500ml	-9740K

Welder's Anti-Spatter Fluid

Reduces the risk of joint puddling and greatly reduces preparation time prior to final painting. Does not affect any subsequent galvanising or painting operations. Evaporates under normal weld temperatures. Dichloromethane and silicone-free. Non-flammable, non-toxic,non-corrosive and bio-degradable.



Size	Order Code SOL-732
5ltr	-9300K
20ltr	-9310K

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SOLENT MAINTENANCE

Silicone Mould Release

SR1-500B - For Plastic & Rubber
Heavy duty silicone lubricant and release agent. Formulated with a high silicone content.
The product is suitable for a wide range of uses.
SR1-500B is a dry, non-oily, non-greasy product. Water clear with no odour.



Size	Order Code SOL-732
500ml	-0700K

Silicone Mould Release

SR2-500B - Heavy Duty
Heavy duty silicone lubricant and release agent. Formulated with a high silicone content. Suitable for a wide range of uses.
SR2-500B is a dry non-oily, non-greasy product. Water clear with no odour.



Size	Order Code SOL-732
500ml	-0720K

PTFE Mould Release

SR3-500B - Dry Film
Provides a micro-thin surface coating for the inner surfaces of injection moulding tools/dies, thus enabling easy component release. The coating will not bridge complex mould profiles and will not interfere with precision fits. The applied PTFE film will not transfer to the moulded item and can be used where a dry slip surface is required such as production line slides, tracks or tables.



Size	Order Code SOL-732
500ml	-0740K

Silicone Mould Release

SR4-500B - For Polyurethane
Specifically for use with integral skin and elastomeric polyurethanes. Provides high gloss finish, low build-up on the mould surface generated to 200°C. Silicone based product may not be suitable for use where painting, plating work is required.



Size	Order Code SOL-732
500ml	-9700K

Silicone Mould Release

SR6-500B - Thermoplastic
Silicone based. Formulated to provide effective release of plastics with lower melt temperatures. Effective with natural rubbers. Effective to 200°C, excellent surface finish.



Size	Order Code SOL-732
500ml	-9720K

Silicone Free Mould Release

SN1-500B - For Plastic & Rubber
Specifically formulated for rapid release of moulded components. Particularly suitable for moulded items which require further process, eg painting, printing and thermo welding.



Size	Order Code SOL-732
500ml	-9680K

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KENNEDY Line Markers

For use on car parks, factory/ warehouse floors, playgrounds, sports fields, tennis courts, leisure centres and road surfaces.
For stencils, line or free hand marking. CFC free formula, contains no lead additives. Fully compatible with major brand applicators.

750ml Can

Size: 750ml can.



Please note, colours are for guidance only.

Colour	Application	Order Code KEN-734
White	General Marking	-6020K
Yellow	Hazard/Caution	-6040K
Blue	Mandatory	-6060K
Red	Prohibition/Danger	-6080K
Green	Safe Condition/Direction	-6100K
Orange	Hazard/Caution	-6120K
Black	Deletes Existing Lines	-6140K
Grey	Deletes Existing Lines	-6160K

Line Marking Gun

Manufactured from reinforced nylon.
For offering trigger action to line marking spray cans, giving improved comfort during prolonged use.



Description	Order Code KEN-715
Line Marking Gun	-6200K

Permanent Markers

Designed for use on all surfaces. Waterproof, low solvent content. Xylene-free.



Colour	Pack Quantity	Order Code KEN-734
Black	10	-5020K
Blue	10	-5060K
Red	10	-5040K
Green	10	-5070K

PACK OF 10

Industrial Paint Markers

Designed for countless metal marking applications.
Can be used for marking greasy, rusty, or new metal surfaces.
Also suitable for marking glass, plastic, wood, ceramics etc.
Ballpoint nozzle cap will only allow ink flow when applied and pressed to the workpiece - ink cannot be spilt from the cap unintentionally.
One head can be interchanged from differing inks and bottles.
Can be refilled from one litre bulk refills of the specially formulated ink.



Please note, colours are for guidance only.

Colour	Size	Order Code KEN-734
Yellow	46ml	-3020K
White	46ml	-3040K
Blue	46ml	-3060K
Green	46ml	-3080K
Black	46ml	-3100K
Red	46ml	-3120K
Orange	46ml	-3140K

Ink Refill Cases

Colour	Size	Weight each	Order Code KEN-734
Yellow	1ltr	1.4kg	-3210K
White	1ltr	1.4kg	-3230K

Ballpoint Head

Replacement ballpoint head for Kennedy Industrial paint 46ml marker bottles.



Material	Ball Size	Order Code KEN-734
Nickel	2.4mm	-3500K

SOLENT MAINTENANCE Bullet Tipped Industrial Paint Markers

For use on steel, aluminium, rubber, timber, plastic, ceramics and other materials.
Bullet tipped.
2.3mm point size.





Colour	Order Code SOL-734
Black	-0010K
Green	-0030K
White	-0050K
Yellow	-0060K

STUARTS Micrometer Paste

Oil-based paste for indicating high spots on machine bearings, machine tool beds etc.
Easily removable with methylated spirit.



Colour	Pack Size	Order Code MIR-734
Blue	32g Tube	-8810B
	38g Tin	-8800A

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Food Safe White Grease

Intended use for lubrication of bearings, slides and all delicate mechanisms used in the food manufacturing/processing industry. Maximum operating temperature 150°C with excellent load carrying capacity and water resistance. Non-toxic. **FDA Compliant. NSF H1 registered.**



Size	Order Code SOL-740	
500ml	-6850E	N/A

Food Safe High Tech Grease

Fully synthetic translucent non-melting grease that allows fluid to penetrate into machine parts before setting to a No. 2 rated grease. Protects and lubricates with a non-toxic anti-corrosive shield. Non-toxic lubricant ingredients listed by the **FDA** and is **InS H1 registered**. Totally salt or fresh water-resistant to be used inside and out on machinery in temperatures ranging from 40°C to +340°C.



Size	Order Code SOL-740	
500ml	-6220C	N/A

Food Safe Anti-Seize Paste

Formulated for use on assemblies in difficult areas where fretting corrosion and corrosion induced by wet environments occur. It can also be use to lubricate slow moving slides and pivot pins. Resistant to hot, cold and salt water it can be used across a wide temperature range where the solid lubricate including PTFE gives excellent dry lubrication and forms a barrier between all surfaces. Non-toxic, it complies with **FDA** regulations and is **H1 registered**.



Size	Order Code SOL-740	
500g	-6720B	N/A

Food Safe Degreaser

This **H1 registered** all-purpose cleaner/ degreaser is designed for food production areas where incidental contact may occur. It is non-abrasive, non-chlorinated, water clear, low odour, fast evaporating, it leaves no residue or deposits behind. It can be safely used on machinery, worktops and floors.



Size	Order Code SOL-740	
500ml	-6810L	N/A

Synthetic Grease

Constructed using pure non-toxic synthetic base oils, combined with PTFE and a complex mix of anti-oxidant and EP packages. Completely resistant to salt water and high humidity environments. Dielectric and can be used to protect electrical equipment from ingress of water. Lubricates bearings, chains and sliding surfaces including plastic bearings and runners. Has a wide temperature operating range -40°C to 340°C. Grease clean food safe lubricant. Non-melting.



Size	Order Code SOL-740	
100ml	-6200A	N/A
400ml	-6210B	N/A

Food Safe Silicone Grease

A versatile silicone grease for operation in extremes of high and low temperature. Can also be used on food product applications or where water repellent properties are of prime importance as it offers excellent physical performance and is **INS H1 registered**. Non-melting, water repellent, odourless, non-toxic, low volatility. High dielectric. resistant to oxidation. Thermally stable ozone resistant. Minimal effects on rubbers, plastics and metals. Unaltered by UV light.



Size	Order Code SOL-740	
100ml	-6250D	N/A
400ml	-6260E	N/A
500g	-6270F	N/A

Food Safe White Grease

Intended use for lubrication of bearings, slides and all delicate mechanisms used in the food manufacturing/ processing industry. Maximum operating temperature 150°C with excellent load carrying capacity and water resistance. **FDA Compliant**. **INS H1 registered**. Non-toxic.



Size	Order Code SOL-740	
400ml	-5900A	N/A
5.0kg	-5905C	N/A
12.5kg	-5910E	N/A

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Food Safe Lubricating Oil

This lubricant is completely clear, odourless and food safe. It contains no mineral hydrocarbons and is **FDA** compliant and **INS H1 registered**. It is a hydrophobic oil and therefore does not take in water, providing a barrier between water condensation and metal surfaces. This versatile lubricant can be used on sliding and rolling element bearing surfaces, metal, wood and plastics.
Non-flammable. Non-toxic. Anti-corrosive.
Safe for use at temperatures from -60° to +260°C.



Size	Order Code SOL-740	
500ml	-5960G	N/A

Food Safe Penetrating Oil

For dismantling, lubricating and cleaning. This odourless oil is tasteless and displaces water leaving a hydrophobic coating to protect surfaces from corrosion. It penetrates threads and crevices to release and lubricate delicate mechanisms, pivot points and sliding surfaces whilst degreasing hard surfaces. Can be used as a light lubricant.
FDA Compliant. INS H1 registered. Food safe. Synthetic translucent.
Tasteless water white fluid. Non-toxic.
Anti-corrosive.



Size	Order Code SOL-740	
500ml	-5930D	N/A

Food Safe Belt Dressing

This **H1 registered** product is designed to extend life of leather, rubber and synthetic belts. Cleanly applied from the 500ml aerosol, it improves grip and allows the belt to transmit full power without slipping even in wet and damp environments.



Size	Order Code SOL-740	
500ml	-6760F	N/A

Food Grade Multi-Purpose Lubricant

AC90-FG H1
Food grade multi-purpose maintenance liquid lubricant is industrial strength. Holds **H1** approval from **NSF # 143549** and **InS # 1795389** and therefore can be used safely in all food processing locations. The only maintenance spray certified by both the **NSF** and **InS**. Does not contain silicone or CFCs.
Tasteless and odourless.



Size	Order Code ACN-732	
425ml	-0260K	N/A

Food Grade Silicone Release Agent

SP90-FG H1
Superior silicone dry lubricant formulated to provide extra performance and maximum silicone release. Temperature range -65°C to +315°C. Holds **H1** approval from **NSF # 143541** and **InS # 1795388**. Odourless, tasteless, chemically inert.



Size	Order Code ACN-732	
500ml	-9010K	N/A

Food Grade Chain & Drive Lubricant

CD90-FG H1
Holds **H1** approval from **NSF # 143540** and **InS # 1795390**. Clear viscous oil with a flashpoint 240°C.
Viscosity 20°C at 238mm²/s.
Density at 15°C .865kgm/³.
Boiling point 370°C.
No taste or smell.



Size	Order Code ACN-732	
500ml	-2260K	N/A

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Soluble Cutting Oil - Aluminium

So-Cool 'Plus' Aluminium
Semi-synthetic, environmentally improved – does not contain sodium nitrite, phenols, triazene, PTBBA or chlorinated additives. Enhanced sump life and excellent anti-foam characteristics. Optimum tool life on the most arduous jobs. Excellent corrosion protection and lubrication to cutting areas, machine fixtures, slides etc. Low emulsion odour. Low drag out losses. Easily removed in splash areas. Resists the formation of aluminium soaps - Improves filtration and machine cleanliness.

Recommended concentrations:
General machining 7% or (a dilution of 14 to 1). Heavy duty machining 10% or (a dilution of 10 to 1).

Supplied in 20ltr stacking poly container.



Grade	Size	Order Code SOL-740
SC-ALU	20ltr	-4533B

Soluble Cutting Oil - Stainless

So-Cool 'Plus' Stainless Steel
Environmentally improved - does NOT contain phenols, boron, triazene, PTBBA or chlorinated additives. Based on highly refined mineral oils. High degree of machine tool lubrication. Ideal for a wide range of machining operations. Low odour. Low unit cost. Stable emulsions in very soft and very hard water.

Recommended concentrations:
General machining 7% (dilution of 14 to 1). Heavy machining 10% (dilution of 10 to 1).

Supplied in 20ltr stacking poly container.



Grade	Size	Order Code SOL-740
SC-INOX	20ltr	-4600B

Soluble Grinding Oil - Synthetic

So-Cool 'Plus' Syn Grinding
Fully synthetic formulation. Long working life therefore economical. Minimises wheel glazing. Effective corrosion resistance. Stable emulsions in soft and hard water. Does not contain PTBBA.

Recommended concentration for general machining operations:
Grinding Cast Iron 2 % to 3.5% (dilution of 50 to 1 or 30 - 1).
Steel and Ni/Cr steel 2% (dilution of 50 - 1).

Supplied in 20ltr stacking poly container.



Grade	Size	Order Code SOL-740
SC-GS	20ltr	-4620B

Soluble Cutting Oil Multi-Purpose

So-Cool 'Plus' GP
Environmentally improved - does NOT contain phenols, boron, triazene, PTBBA or chlorinated additives. Based on highly refined mineral oils. High degree of machine tool lubrication. Ideal for a wide range of machining operations. Low odour. Low unit cost. Specially formulated for use in both hard and soft waters.

Recommended concentrations:
General machining 7% (dilution of 14 to 1).
Grinding (surface, cylindrical centreless) 2 - 3% (dilution of 50 to 1 or 33 to 1).

Supplied in 20ltr stacking poly container.



Grade	Size	Order Code SOL-740	
SC-GP	20ltr	-4508B	N/A

Soluble Cutting Oil - Aerospace

So-Cool 'Plus' Aerospace
Specifically designed for use in the aerospace industry on all high performance alloys, Stainless steel, titanium and aluminium alloys - in particular series 7000 aluminium.

Advantages/Benefits:
Nitrite and chlorine-free.
Secondary and tertiary amine-free formulation.
Reduced risk of staining and corrosion.
Long sump life.
Emulsifiable residues to promote clean working environment.
Does not contain PTBBA.

Approvals:
AIRBUS ABR 9-0204.
The military division of British Aerospace.
Turkish Aerospace Industries (TAI).

Supplied in 20ltr stacking poly container.



Grade	Size	Order Code SOL-740
SC-AERO	20ltr	-4570B

Lithium Grease

So-Grease EP2
High load lead-free lithium grease. Contains anti-rust additives to protect against corrosion. Anti-oxidants included to prolong product life. High ageing stability/high oxidation stability.

Supplied in 400g, 5kg, 12.5kg or 50kg containers.



Pack Type	Size	Order Code SOL-740
Cartridge	400g	-5100K
Tub	5.00kg	-5105C
Pail	12.5kg	-5110M

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SOLENT LUBRICANTS Heavy Duty System Cleaner

Grade SC-SYSTEM

For use in cleaning water-based operating fluids and coolants from central systems or individual machines. Free of secondary alkanolamines, heavy metal compounds, phenols, hexahydrotriazine and nitrite. Excellent cleaning action. Storage temperature of 5 to +40°X.

NOTE: Σο–Χλεαν Σψστεμ ατ 1 – 2% ισ αδδεδ το τηε υσεδ οπερατινγ φλυιδ αβουτ ειγητ το τωελωε ηουρσ βεφορε δραινινγ. Τηε χομπλετε χλεανινγ εφφεχτ ισ ονλψ αχηιεωεδ ιφ τηε οπερατινγ φλυιδ χιρχυλατεσ τηρουγη αλλ ωορκινγ παρτσ οφ τηε σψστεμ. Νειτηερ πΗ ωαλυε νορ φοαμινγ οφ τηε οπερατινγ φλυιδ χηανγε σιγνιφιχαντλψ ωηεν
Σο–Χλεαν Σψστεμ ισ αδδεδ. Σοιλ ιν μαχηινεσ, τυβεσ ανδ ρεσερωοιρσ οφ τηε σψστεμ αρε λοοσενεδ ανδ ρε–εμυλσιφιεδ. Φορ ηεαωιλψ σοιλεδ σψστεμσ, ινχρεασινγ τηε δωελλ τιμε το 24 ηουρσ ισ ρεχομμενδεδ. Τηιχκ σεδιμεντ δεποσιτσ αρε βεστ ρεμοωεδ μεχηανιχαλλψ ανδ ρινσεδ οφφ ωιτη χλεαν ωατερ. Συππλιεδ ιν 20λτρ σταχκινγ πολψ χονταινερ.



Size	Order Code SOL-740
20ltr	-4800B

Sump Emptier

With stainless steel Venturi pump. Screws into 205ltr oil drums. Uses compressed air to create a powerful vacuum. Empties liquid and suspended solids from tanks and can fill a drum in as little as 90 seconds, making it ready for appropriate disposal. Shuts off automatically when done.



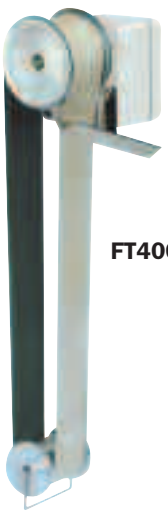


Product Number	Order Code SOL-740
PM175K	-8940G

Tramp Oil Belt Skimmers

Designed to effectively and simply remove tramp oil floating on the surface of cutting fluid. Prevents the 'Monday morning smell', extends coolant life and reduces the risk of dermatitis. Compact units fit to the side or above the tank. 240V. Supplied with plug. Product FT400 can be run continuously.

Overall length: 440mm
(from top of bracket to bottom of belt).
Maximum insertion depth: 150mm.
Case dimension (L x W x D):
80 x 80 x 502mm.
Belt width: FT300 = 30mm; FT400 = 40mm.



FT400



FT300

Product Number	Removal Rate	Order Code SOL-740	
FT300	3ltrs per hr	-8860B	N/A
FT400	4ltrs per hr	-8880D	

OXFORD PRECISION Portable Optical Refractometer

For determining the concentration of oil in water emulsions and transparent solutions, such as machine shop coolant.Maintaining the correct mixture in coolant systems is vital to ensure optimum performance from cutting tools. To protect the machine and workpiece from corrosion and to reduce the risk of health hazards arising from incorrect concentrations of water soluble oils. To economise the use of water base cutting fluids and grinding fluids.

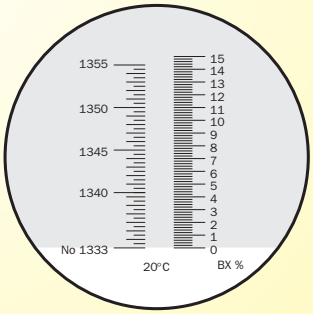
Range ND: 1.333 - 1.356. Bx: 0 - 15%.
Eyepiece magnification: 11x.
Telescopic lens magnification: 4x.
Accuracy: ±0.0003 ±0.2%
Lattic value: 0.0005 0.2%

Supplied in a plastic case complete with calibration screwdriver and operator manual.





Lens for Portable Refractometer



Calibrated Refractive Scale

Refractometer

Dimensions	Weight each	Order Code OXD-336
38 x 38 x 185mm	30g	-1010K

Spares

Description	Weight each	Order Code OXD-398
Lens for Portable Refractometer	10g	-3630K

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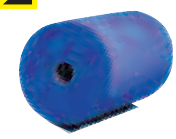
GROUP 952 WIPER ROLLS

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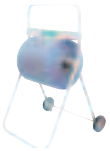
GROUP 952 TISSUE & WIPER DISPENSERS

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JANITORIAL & HYGIENE

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

SOLENT CLEANING & HYGIENE Professional Hand and Skin Care System

The Solent™ Cleaning and Hygiene pouch hand cleanser/soap system uses 2ltr sealed pouch cartridges to minimise spillages and waste, this system helps to prevent cross contamination.
A full range of barrier creams, sanitisers, soaps, beaded hand cleansers and afterwork reconditioning creams are available for use with the dispensers.



Dispenser Pumps

All creams, soaps and gels: Use with 2mm pump.
All beaded hand cleansers: Use with 3mm pump.



CUT OUT CROSS CONTAMINATION!

Pump Size	Capacity	Use With	Order Code SOL-780
2mm	2ltr	Creams Soap & Gels	-1160J
3mm	2ltr	Beaded Cleaners	-1150H

PROTECT

Universal Barrier Cream

A pre-work cream that protects your hands. Use with 2mm pump dispenser. Supplied individually, boxed in 6's.



Description	Pouch Size	Order Code SOL-780	
Universal Barrier Cream	2ltr	-1950Q	N/A

SANITISE

Anti-Bacterial Cleansers

Anti-Bacterial Soap
Formulated from a blend of natural soap, conditioner and mild surfactants. Ideal for frequent use. Supplied individually, boxed in 6's.

Cool Gel Hand Sanitiser
An alcohol-based hand sanitiser kills any bacteria (effective against MRSA) yeast or moulds. Use with 2mm pump dispenser. Supplied individually, boxed in 6's.



Description	Pouch Size	Order Code SOL-780	
Anti-Bacterial Soap	2ltr	-2560F	N/A
Cool Gel Sanitiser	2ltr	-2660J	N/A

RESTORE

Afterwork Reconditioning Hand Cream

Replaces natural oils removed during a day's work. Use with 2mm pump dispenser. Supplied individually, boxed in 6's.



Description	Pouch Size	Order Code SOL-780	
Afterwork Cream	2ltr	-1980T	N/A

CLEANSE

Beaded Hand Cleaners

Citrus-based beaded hand cleaners. Use with 3mm pump dispenser. Supplied individually, boxed in 6's.



Description	Pouch Size	Order Code SOL-780	
Lemon Hand Cleaner	2ltr	-0901F	N/A
Lime Hand Cleaner	2ltr	-1001F	N/A
GT Hand Cleanser	2ltr	-2550E	N/A

Luxury Soaps

Luxury Peach Soap
Luxury peach soap produces a rich creamy lather for effective hand cleaning. Lightly scented with a fresh peach fragrance. Use with 2mm pump dispenser. Supplied individually, boxed in 6's.

Gel Soap
Pure golden, unperfumed gel soap suitable for all general hand cleaning uses. Use with 2mm pump dispenser. Supplied individually, boxed in 6's.



Description	Pouch Size	Order Code SOL-780	
Peach Luxury Soap	2ltr	-2630A	N/A
Gel Soap	2ltr	-2680L	N/A

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SOLENT CLEANING & HYGIENE Beaded Hand Gel Cleanser - Lime

Heavy-duty citrus-based degreasing and cleansing agent. Hard on grime yet kind to your skin. Unique lemon and lime formula combines nature's strength and fragrance. Ideally suited for industrial, household, workshop, outdoor, cleaning of hands. Now available in four sizes with suitable dispensing equipment.

Tub System



Description	Order Code SOL-780	
3ltr Tub	-1003H	N/A
Pump Dispenser	-1130F	
Cage	-2300W	
Tub Kit	-1140G	N/A

5ltr Poly Bottle

ENVIRONMENTALLY FRIENDLY FORMULATION



CAN BE USED WITH PUMP DISPENSER OR BULK FILL DISPENSER *(Right)*

Description	Order Code SOL-780	
5ltr Poly Bottle	-1005L	N/A
Pump Dispenser	-1125D	

Bulkfill Systems

ENVIRONMENTALLY FRIENDLY FORMULATION



Description	Order Code SOL-780	
15ltr Pail	-1015M	N/A
Bulkfill Dispenser	-2240M	

Orange D440 Beaded Hand Cleaner

Non-toxic, citrus-based beaded hand cleaner, cuts through the heaviest of industrial grease and grime quickly and easily. Environmentally friendly, and contains no harsh chemicals. Removes oil, tar, grease, paint, ink, glue etc. Antiseptic and bactericidal. Water rinsable, leaves no oily residue.



Size	Order Code SOL-780	
2.5ltr	-1202G	N/A

Swarf Beater Hand Gel

Lime green coloured unperfumed gel soap. Easy to apply and quickly rinses off with water leaving no residue on the skin. Suitable for removing oil, grease, and general soiling. Handy 240g tub size for easy carrying and storage.



Size	Order Code SOL-780	
240g	-2540D	N/A

Liquid Hand Soap - Professional

Luxury peach soap leaves hands feeling clean, smooth and conditioned.



Type SOL-780	Order Code	
1ltr	-2600X	N/A
5ltr	-2610Y	N/A

Natural Beaded Hand Cleaner

Natural beaded hand cleaner uses two types of scrubbing additives, wood flour to absorb grease/grime and poly beads to remove more stubborn soiling like tar, inks and paints. These combine to produce a dense cleansing lather to deliver a powerful solvent-free natural cleaning action that is gentle on your skin.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-1305L	N/A
Pail	15ltr	-1315M	N/A
Bulkfill Dispenser	2ltr	-2240M	

Lemon™ Beaded Hand Cleaner

Citrus-based degreaser, environmentally friendly, and contains no harsh chemicals. Removes oil, tar, grease, paint, ink, glue etc. A deodorising lemon formulation leaves a pleasant lemon scent that eliminates oil and swarf odours, leaving the skin feeling fresh after use. Water rinsable - leaves no oily residue.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-0855L	N/A
Pail	15ltr	-0865M	N/A
Bulkfill Dispenser	2ltr	-2240M	

Professional Hand Soap

Supplied in packs of 12x 70g bars. Lightly scented. For domestic use, in hotels, schools, restaurants and commercial premises. Rich creamy lather in all water types.



PACK OF 12

Type	Pack Qty	Order Code SOL-780	
Buttermilk	12	-2530D	N/A

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SOLENT CLEANING & HYGIENE Dry Work Barrier Cream

Pre-work cream protects skin against dry substances, dry powders, oils or solvent-based liquids.



Size	Order Code SOL-780	
2.5kg	-2020B	N/A

Wet Work Barrier Cream

Pre-work cream protects skin against water- based liquid solutions, cutting oils, detergents, acids, coolants and foodstuffs.



Size	Order Code SOL-780	
1ltr	-2050D	N/A
2.5kg	-2060E	N/A

Reconditioning Cream - Professional

Replaces moisture loss after contact with contaminants, contains natural oils to keep skin moist.

Size: 1ltr.





Description	Order Code SOL-780	
Reconditioning Cream	-2100G	N/A

Standard Duty Workshop Hand Wipes

Soft white wipes. Removes oil, grease, ink and general dirt. Waterless - no need to rinse hands after cleaning. Ideal for mobile repair and maintenance vans and use around the workshop.

PACK OF 150



Pack Qty	Order Code SOL-930	
150	-3900K	N/A

Heavy Duty Hand Wipes

Impregnated with mild abrasive fibres to remove oil, grease, general grime plus difficult to remove contaminants such as paints, sealants, most inks and ground-in dirt. A genuine waterless hand cleaning wipe with no need to rinse after use, ideal for mobile repair and maintenance vans as well as use around the workshop. Supplied in handy pack of 50 wipes or tubs of 100 wipes.

EXTENDED RANGE



Pack Qty	Order Code SOL-930	
50	-3800K	
100	-4000K	N/A

SOLENT HYGIENE FOR FOOD Food Safe Wipes

Hand Wipes

These non-toxic single-use wipes are excellent for killing lethal bacteria and prevent cross-contamination.

Size: 20 x 30cm.

PACK OF 200



Pack Qty	Order Code SOL-930	
200	-4400K	N/A

Cool Gel Handy Packs

Alcohol-based. Kills any bacteria (effective against MRSA) yeast or moulds. Fast drying removing the need for rinsing or drying with towels. Now available in two handy pack sizes for use on the move or at work. Independently tested. Passes **EN1276** and **EN13727** non-flamable/non-toxic.



Size	Order Code SOL-780	
80ml	-2650E	N/A
500ml	-2652G	N/A

Hand Cleanser

Anti-Bacterial Hand Soap

Formulated from a blend of natural soap, conditioner and mild surfactants. Independently tested. Passes **EN1276**, **EN13727** and **EN13704** non-toxic / active against MRSA, Clostridium Difficile, E-Coli, Salmonella and Listeria (Amongst other bacteria) Pseudomonas Aeruginosa.



Description	Size	Order Code SOL-780	
Anti-bacterial Hand Soap	500ml	-2558D	N/A

Luxury Peach Soap

Produces a rich creamy lather for effective hand cleaning. Lightly scented with a fresh peach fragrance.



Description	Size	Order Code SOL-780	
Luxury Peach Soap	500ml	-2598V	N/A

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SOLENT CLEANING & HYGIENE

Laundry Powder

Fresh fragrance for whites and coloured fabrics. For automatic and top loading machines.



Product	Qty	Order Code SOL-780	
Biological	10kg	-4010A	N/A

Air Fresheners

300ml aerosol room fresheners replace offensive odours with a pleasant scent.



Description	Order Code KEN-722	
Pot Pourri	-1500K	N/A
Wild Berries	-1510K	N/A
Scented Jasmine	-1520K	N/A

Professional Floor Cleaner Gel

Pine oil-based gel for maintaining hard floor surfaces, including wood block, lino, vinyl and terrazzo. Can be buffed to a high gloss, non-slip sheen.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-3010X	

All-Purpose Cleaner

Professional
A thick lemon scented gel for use on all hard surfaces, walls, vinyl seats and coverings.



Strength	Size	Order Code SOL-780	
Professional	5ltr	-3011Y	N/A

Concentrated Hard Surface Cleaner/ Degreaser

Can be diluted with up to 50 parts of hot or cold water. Rapidly breaks down grease and fat. Apply by hand scrubbing, mopping, power wash systems or mechanical floor scrubbing machines. Can be used on concrete floors, walls, paintwork, components etc.



Type	Size	Order Code SOL-780
Poly Bottle	5ltr	-6300A
Plastic Drum	20ltr	-6310B

Graffiti Remover

An aggressive graffiti remover suitable for cleaning the following surfaces: polyethylene, polypropylene, nylon, UPVC, bare metal surfaces, powder-coated surfaces, varnished wood, reflective signs and acrylics. May be used on some gloss paints (small test area first advised).

Size: 500ml.



Size	Order Code SOL-732
500ml	-0300K

Cleaning & Hygiene Wash & Wax

High foam, high gloss vehicle shampoo. Mild formula, neutral pH, water-based. Lifts traffic film without harm to polished paintwork and trim. With foam boosters for fast removal of dirt and grease. High gloss wax finish. Can be used with hot or cold pressure washing systems or hand washing. Easy to handle container.



IDEAL FOR CARAVANS AND MOBILE HOMES

Type	Size	Order Code SOL-780
Poly Bottle	5ltr	-6500A
Plastic Drum	20ltr	-6510B

Traffic Film Remover Concentrate

Removes dirt, grime, grease and tenacious traffic film from all vehicles. Suitable for cleaning chassis and bodywork on vehicles. Designed for high pressure washing with mechanical power wash systems. Concentrated formula can also be used to clean machinery, floors, walls, asphalt; will also remove co-polymer waxes used in new car production.



Type	Size	Order Code SOL-780
Poly Bottle	5ltr	-6400A
Plastic Drum	20ltr	-6410B

Contract Bleach

A solution containing 4% sodium hypochlorite, for use in toilets, sinks and drains.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-3001M	N/A

Concentrated Thick Bleach

Powerful thick formula effective against all pathogenic organisms. Contains added detergents for improved cleaning.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-3007T	N/A

Contract Pine Disinfectant

For general cleaning with a pleasant pine fragrance.



Type	Size	Order Code SOL-780	
Poly Bottle	5ltr	-3003P	N/A

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SOLENT CLEANING & HYGIENE Washing-Up Detergent

Contract
A fully biodegradable 15% high active detergent for use as dishwashing liquid and general cleaning.



Size	Order Code SOL-780	
5ltr	-3005R	N/A

Washing-Up Detergent

Professional
A highly concentrated (up to 30%) liquid for hand dishwashing and general cleaning.



Size	Order Code SOL-780	
5ltr	-3008V	N/A

Oven Cleaner

Removes baked-on food residues from ovens and grills. Do not use on aluminium or galvanised metal.

Approx cleaning times:
Light grease:
3 mins (cold oven),
1 min (hot oven).
Heavy grease:
30 mins (cold),
5 mins (hot).
Baked-on grease:
12hrs (cold),
2hrs (hot).



Size	Order Code SOL-780	
750ml	-3023K	N/A

Window Cleaner

Simply spray on and wipe off to leave windows clean and sparkling. Contains vinegar for extra cleaning and a demisting additive.



Size	Order Code SOL-780	
750ml	-3025M	N/A

Stainless Steel Cleaner

Silicone-free cleaner polish. For rapid cleaning and polishing of all stainless steel, chrome, aluminium, laminates and enamel. Ideal for serveries, kitchen appliances, food displays.



Size	Order Code SOL-780	
750ml	-3026N	N/A

Lemon Quest Washing-Up Liquid

Concentrated to last. For use as dishwashing liquid and general household cleaning.



Group 907

Type	Size	Order Code SOL-780	
Lemon	1ltr	-2910T	N/A

Medium Strength Toilet Cleaner

For cleaning and descaling ceramic sanitary fittings including urinals, WCs and wash basins. Suitable for industrial household, recreational, leisure and toilet/ washroom facilities.



Product	Size	Order Code SOL-780	
Toilet Cleaner	1ltr	-2912W	N/A
	5ltr	-3004Q	N/A

Chanel-Blox

Deodorant cubes for use in urinal bowls and channels. Supplied in plastic tub.

PDCB FREE



PACK OF 150

Product	Size	Order Code SOL-780	
Chanel-Blox	3kg	-2710D	N/A

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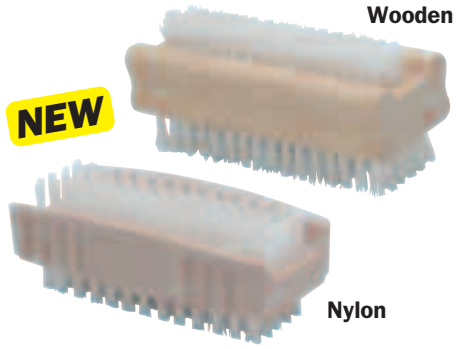
COTSWOLD BRUSHWARE & CLEANING Nail Brushes

90mm long, with stiff bristles on both sides. For cleaning both hands and nails.



Body Type	Weight each	Order Code COT-907
Nylon	35g	-8850K
Wooden	55g	-8880K

Toilet Brush Set

Plastic handle with polypropylene fill. Standard traditional turk's head design. Brush and holder set for easy storage.



Type	Weight each	Order Code COT-907
Plastic	160g	-2560K

Lambswool Duster

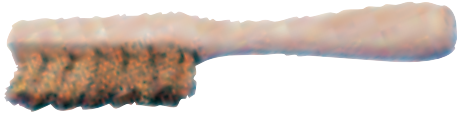
Extra reach handle. For cleaning blinds, high corners, bookcases etc.



Overall Length	Weight each	Order Code COT-907
1200mm/47"	200g	-4800K

Suede Brush

Using the finest brass bristles. It's suitable for removing dust and increasing the nap of the suede. It can also be used to clean electrical contacts and spark plugs.

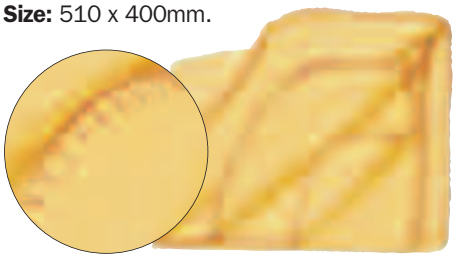


Length	Weight each	Order Code COT-907
160mm	41g	-2655K

KENNEDY QUALITY INDUSTRIAL TOOLING Yellow Duster

Soft traditional yellow duster. 100% natural cotton with sewn edges.

Size: 510 x 400mm.

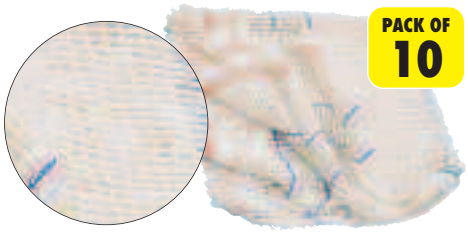


Weight per 10	Order Code KEN-907
300g	-4090K

Floorcloths

General-purpose open knit mixed fibre floor cloth. Supplied in packs of 10.

Size: 480mm x 460mm.

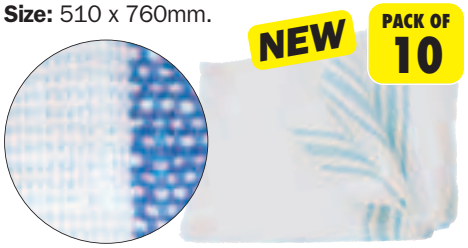


Weight per 10	Order Code KEN-907
500g	-4040K

Tea Towel

Traditional plain cotton tea towel for general-purpose use.

Size: 510 x 760mm.

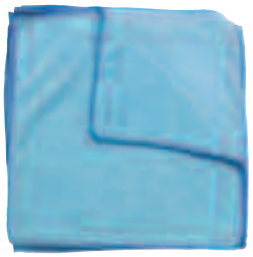


Weight Quantity	Pack COT-907	Order Code	each
340g	10	-4900K	

Premium Microfibre Cloths

Non-abrasive cloths that dust, shine and much more.

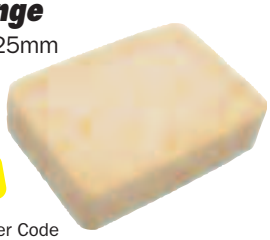
Cloth size: 40 x 40cm.



Type	Order Code COT-907
Premium (56g)	-6963K

Cellulose Sponge

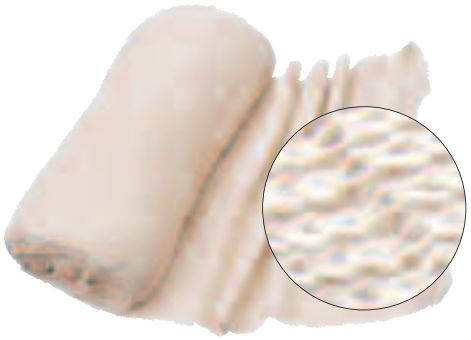
Size: 140 x 100 x 25mm yellow cellulose sponge.



Weight each	Order Code COT-907
70g	-8080K

Stockinette Roll

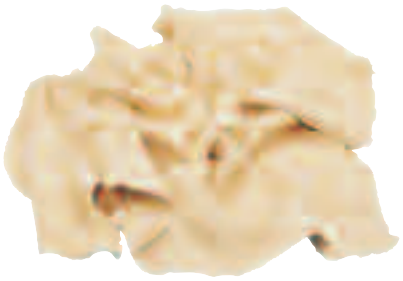
100% cotton stockinette roll, can be cut to length as required. Good economical format which can be used for a wide variety of cleaning tasks. 300mm wide x 8.5m in length.



Weight each	Order Code KEN-907
830g	-4050K

Genuine Chamois Leather

Size: 60 x 30cm.



Weight each	Order Code KEN-907
60g	-4130K

Synthetic Chamois Leather

Fully reusable and highly absorbent synthetic chamois. Soft and gentle on any surface and suitable for many tasks ranging from cars, boats, glass, furniture, tiles, kitchens etc.

Size: 400 x 400mm.



Weight each	Order Code KEN-907
60g	-4110K

Jumbo Sponge

Size: 200 x 100 x 70mm yellow jumbo sponge.



Weight each	Order Code KEN-907
35g	-4150K

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COTSWOLD BRUSHWARE & CLEANING Complete Brooms

Top quality brooms. Coco broom heads are ideal for indoor domestic use, whilst bassine is more suitable for heavier industrial uses. Supplied with handles clipped to the head for quick and easy self-assembly.

NEW



Handle Length	Description	Order Code COT-907
48"	12" Coco	-1260K
	12" Bassine	-1200K
	18" Coco	-1270K
	18" Bassine	-1210K
	24" Coco	-1280K
	24" Bassine	-1220K
60"	12" Coco	-8980K
	12" Bassine	-8950K
	18" Coco	-8990K
	18" Bassine	-8960K
	24" Coco	-9000K
	24" Bassine	-8970K

Replacement Broom Heads Only
For broom handles see next page.

Description	Hole Dia.	Order Code COT-907
12" Coco	15/16"	-8120K
12" Bassine	15/16"	-8130K
18" Coco	1 1/8"	-8180K
18" Bassine	1 1/8"	-8190K
24" Coco	1 1/8"	-8240K
24" Bassine	1 1/8"	-8250K
Brush Stabiliser Bar		-8560K

Stale Holder

Will fit all flat back brooms listed above. The stale holder is fixed in place two 10" x 3/4" pozi pan screws (supplied).

NEW

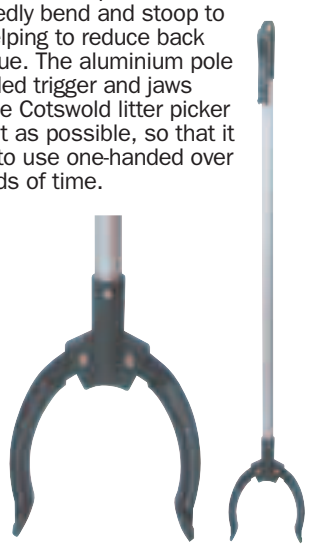


Type	Order Code COT-907
Stale Holder	-2580K

Litter Picker

990mm (39") Reach
Using the Cotswold litter picker removes the need to repeatedly bend and stoop to collect litter, helping to reduce back strain and fatigue. The aluminium pole with spring-loaded trigger and jaws ensures that the Cotswold litter picker is as lightweight as possible, so that it is comfortable to use one-handed over extended periods of time.

Jaw capacity: 110mm.
Overall length: 990mm (39").



Reach (mm)	Order Code COT-907
990	-1800K

Poly Yard Broom c/w Aluminium Handle

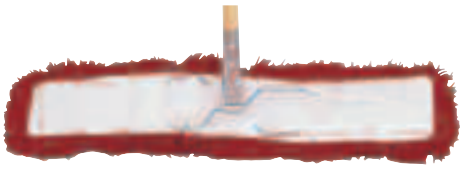
Polypropylene bristle yard brush with aluminium handle. Ideal for sweeping leaves and dirt from small yards and pathways.
Overall length: 1290mm.
Width: 290mm.



Width	Order Code COT-907
290mm	-8010K

Sweeping Mops

High quality acrylic head covers for superb performance on parquet/wood floors, tiles and lino floors. Universally jointed zinc plated head frame, beechwood handle.



Overall Length	Order Code COT-907
Complete Mop	
460mm (18")	-2700K
610mm (24")	-2720K
Replacement Sleeves	
460mm (18")	-2760K
610mm (24")	-2780K

Ribbed Nylon Door Mats

With grippa backing to prevent movement under foot. Hard wearing.



Size	Weight each	Order Code COT-907
75 x 44cm	825g	-5140K

Coir Fibre Door Mats

With bound edges.

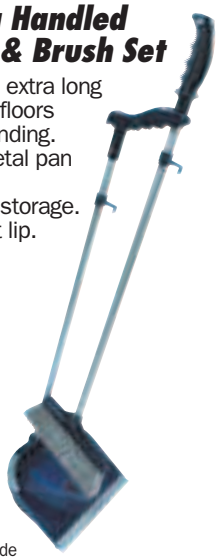


Type	Size	Order Code COT-907
No.3	76 x 46cm	-5030K
No.4	84 x 51cm	-5040K

Aluminium Long Handled Plastic Dustpan & Brush Set

Angled brush head and extra long 800mm handle allows floors to be swept without bending. Aluminium handles, metal pan and synthetic bristles. Clips together for easy storage. Pan has rubber contact lip.

NEW



Handle Length	Order Code COT-907
800mm	-4640K

Bannister Hand Brushes

With contoured beechwood handles.

NEW



Type	Weight each	Order Code COT-907
Natural Coco	140g	-0770K
Bassine	150g	-0720K

Heavy Duty Large Dustpan & Brush Set

The plastic dustpan has a deep back to stop dirt falling out when in use and has a serrated edge to enable dirt to be removed easily from the hand brush.



Pan Dimensions (W x L x H)	Order Code COT-907
330 x 250 x 90mm	-4560K

Hooded Metal Dustpan

Riveted metal construction with loop handle. Hooded design, ideal for collecting and retaining dirt and debris.



Width	Order Code COT-907
335mm	-4670K

Metal Hand Shovel

Wooden handle, painted finish, medium duty.
Pan width: 180mm.



Width	Order Code COT-907
180mm	-4710K

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COTSWOLD BRUSHWARE & CLEANING Stainless Steel Squeegees

For rapidly removing water from windows for a smear-free finish. Ribbed rubber hand grip, will not slip when wet. Can be fitted to telescopic extension.
Spring loaded blade retention allows handle to be positioned anywhere along its length. Replaceable rubber blades.



Blade	Order Code COT-907
300mm (12")	-3800K
450mm (18")	-3820K
Replacement Squeegee Blade	
300mm (12")	-3830K
450mm (18")	-3840K

Lambswool Window Washers

Lightweight impact resistant plastic handle, with replaceable and washable non-scratch lambswool sleeve. Can be fitted to a telescopic extension handle.



Size	Order Code COT-907
355mm (14")	-3860K

Car Wash Brushes

Economy
Soft synthetic bristles with plastic body to prevent damage to car bodywork. Fits 12mm (½") diameter hose pipes.



Type	Order Code COT-907
Economy	-1100K

Scrubbing Brush

Single tufted (single heel) pattern.
Union mixture.



Length	Weight each	Order Code COT-907
8"	180g	-8820K

Kentucky Mop Heads

Cotton twine with heavy duty stitched centres.



Size	Weight each	Order Code COT-907
450g	350g	-2500K
570g	450g	-2510K

Mop Handles
To suit above.

Type	Length (mm)	Weight each	Order Code COT-907
Aluminium	1250	480g	-2680K
Beech	1270	600g	-3500K

Aluminium Mop Bucket

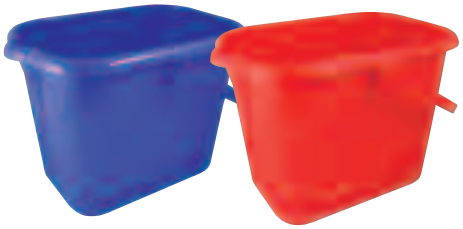
Zinc-plated, with foot operated wringing unit.
Diameter: 290mm.
Height: 285mm.



Capacity	Weight each	Order Code COT-907
17ltr	2.00kg	-4200K

Rectangular Squeeze Mop Bucket

Impact resistant polypropylene.
Colours may vary.



Size (W x L x H)	Weight each	Order Code COT-907
230 x 310 x 220mm	640g	-4220K

SITESAFE Folding Sign

Free-standing, Plastic A-frame folding sign with slip hazard symbol on one side and cleaning in progress symbol on the reverse.
Size: 300 x 600mm.



Height (mm)	Order Code SSF-992
600	-0010K

Mops

Complete Mops
With pure yarn heads.

NEW



Size	Length	Weight each	Order Code COT-907
No.10	122cm (48")	540g	-9050K
No.10	152cm (60")	650g	-9060K
No.12	122cm (48")	540g	-9100K
No.12	152cm (60")	650g	-9110K

Replacement Socket Mop Heads
For wet use. Highly absorbent. Pure yarn. Galvanised socket.

Size	Weight each	Order Code COT-907
No.10	140g	-8900K
No.12	170g	-8910K

Mop & Broom Handles only
Replacement wooden handles for mops and brooms.

Length x Diameter	Weight each	Order Code COT-907
48" x 15/16"	340g	-8720K
48" x 1 1/8"	500g	-8730K
60" x 15/16"	450g	-8760K
60" x 1 1/8"	660g	-8770K

Galvanised Mop Bucket

Heavy duty with perforated drainer.
Width: 240mm.
Length: 330mm.
Height: 230mm.

NEW



Capacity	Weight each	Order Code COT-907
13.5ltr	1.70kg	-4210K

JANITORIAL & HYGIENE

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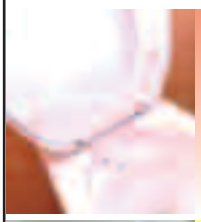
COTSWOLD BRUSHWARE & CLEANING Colour-Coded Brushware

Colour coding helps to reduce the occurance of cross contamination, reduces the risk of bacteria transfer between work areas and improves general hygiene practises. Mops, buckets, handles, brooms, brushes, cloths and wipes can all be colour coded for the work place. Understanding a hygiene colour coding system can form part of an employees basic training.

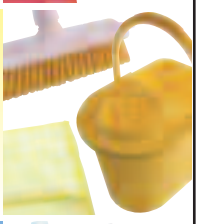


RED - most commonly used in high risk areas such as restrooms and toilets, urinals and washroom floors.





YELLOW - most commonly used in medium risk areas such as washroom sinks and counters, wall tiles, mirrors and metal fitments (hardware etc.)





BLUE - general use in lower risk areas (excluding food preparation and serving areas).





GREEN - general use in food preparation and serving areas, bars - any place where food or drinks are made or served.



Plastic Dustpan & Brush Sets

265mm brush with firm synthetic bristles and 223mm wide dustpan.
Clips together for convenient storage.

EXTENDED RANGE



Colour	Order Code COT-907
Red	-4600K
Yellow	-5620K
Blue	-5600K
Green	-5610K

Hand Scrubbing Brush

Stiff bristled brush for removing stubborn stains and cleaning. Figure 8 style body with recessed centre 1/3 for reduced friction.
Suitable for floors walls and hard surfaces.



Colour	Order Code COT-907
Red	-5670K
Yellow	-5680K
Blue	-5650K
Green	-5660K

Soft Crimp Poly Handle Brushes

Soft brushes suitable for dry use.
Wide oval handle for optimal user comfort.
Hanging hole for storage or for clipping to a tool belt for safety when using steps or ladders.



Colour	Order Code COT-907
Red	-5370K
Yellow	-5380K
Blue	-5350K
Green	-5360K

12" Stiff Poly Yard Broom Head

Stiff bristles suitable for wet or dry use.
Long pile for cleaning uneven/rough surfaces. Moulded handle socket.
Suitable for use with aluminium threaded handles (supplied separately - see next page).



Colour	Order Code COT-907
Red	-5820K
Blue	-5800K

12" Stiff Poly Sweep Broom Head

Stiff bristles suitable for wet or dry use.
Medium pile for general-purpose use.
Moulded handle socket suitable for use with aluminium threaded handles (supplied separately - see next page).



Colour	Order Code COT-907
Red	-5720K
Yellow	-5730K
Blue	-5700K
Green	-5710K

12" Stiff Poly Deck Broom Head

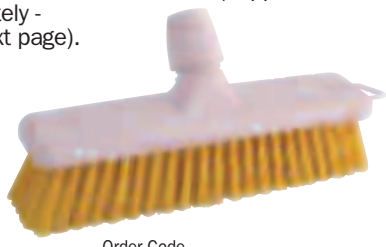
Stiff bristles suitable for wet or dry use.
Short pile for scrubbing heavily soiled areas.
Moulded handle socket. Suitable for use with aluminium threaded handles (supplied separately - see next page).



Colour	Order Code COT-907
Red	-5320K
Yellow	-5330K
Blue	-5300K
Green	-5310K

12" Soft Poly Broom Head

Soft broom head suitable for dry use. Short pile for sweeping heavily soiled areas.
Moulded handle socket. Suitable for use with aluminium threaded handles (supplied separately - see next page).



Colour	Order Code COT-907
Red	-5770K
Yellow	-5780K
Blue	-5750K
Green	-5760K

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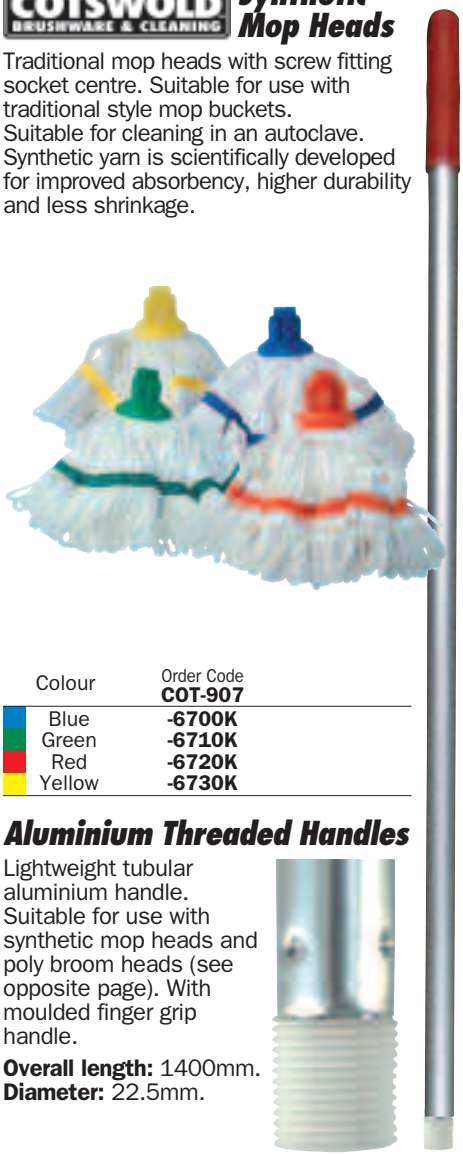
COTSWOLD BRUSHWARE & CLEANING Synthetic Mop Heads

Traditional mop heads with screw fitting socket centre. Suitable for use with traditional style mop buckets.
Suitable for cleaning in an autoclave.
Synthetic yarn is scientifically developed for improved absorbency, higher durability and less shrinkage.



Colour	Order Code COT-907
Blue	-6700K
Green	-6710K
Red	-6720K
Yellow	-6730K

Aluminium Threaded Handles

Lightweight tubular aluminium handle. Suitable for use with synthetic mop heads and poly broom heads (see opposite page). With moulded finger grip handle.

Overall length: 1400mm.
Diameter: 22.5mm.

Colour	Order Code COT-907
Blue	-5250K
Green	-5260K
Red	-5270K
Yellow	-5280K

Oval Plastic Mop Bucket

All plastic design. I-beam handle design for maximum strength with reduced weight. Removable lid with integral perforated drainer.

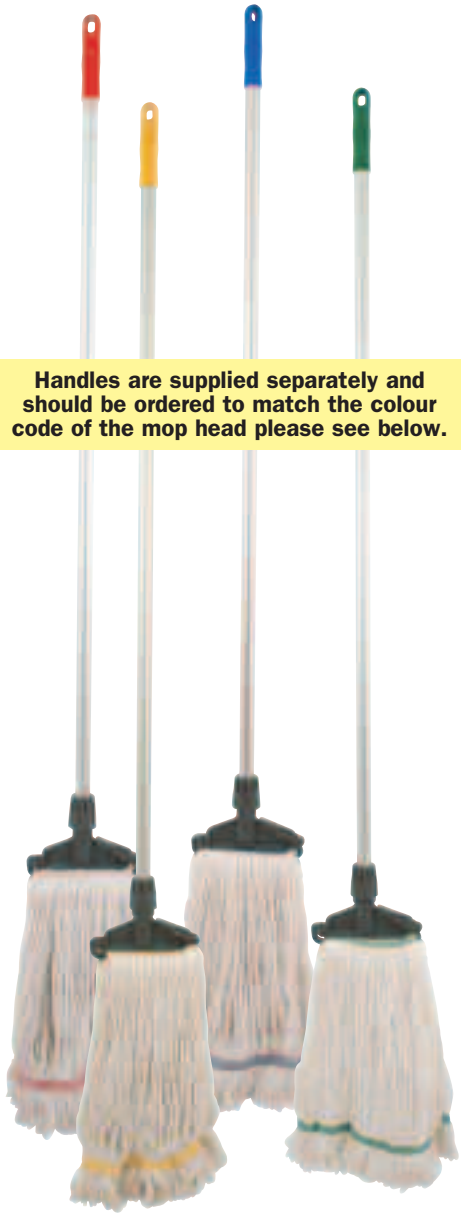
Capacity: 15ltr.



Colour	Order Code COT-907
Blue	-5550K
Green	-5560K
Red	-5570K
Yellow	-5580K

Synthetic Kentucky Mop Heads

Stayflat mop heads with easy fit close knit neck. Suitable for use with Kentucky mop handle. Also suitable for cleaning in an autoclave. Synthetic yarn is scientifically developed for improved absorbency, higher durability and less shrinkage.



Handles are supplied separately and should be ordered to match the colour code of the mop head please see below.

Colour	Order Code COT-907
Blue	-5450K
Green	-5460K
Red	-5470K
Yellow	-5480K

Alloy Kentucky Mop Handles

With quick release mop head lever for maximum productivity. With moulded finger grip handle. For use with mop heads shown above.

Overall length: 1480mm.
Diameter: 22.5mm.



Colour	Order Code COT-907
Blue	-5400K
Green	-5410K
Red	-5420K
Yellow	-5430K

Kentucky Mop Bucket

I-beam handle design for maximum strength with reduced weight. Removable drainer with handle compression.
Four castors for easy manoeuvrability.

Capacity: 24ltr.

NEW



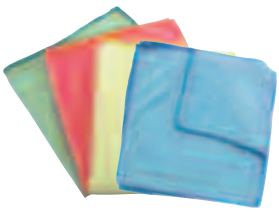
Colour	Order Code COT-907
Blue	-1722B
Green	-1724D
Red	-1726F
Yellow	-1728H

Microfibre Cloth

Multi-purpose microfibre cloths that can be used dry, dampened with water or cleanser. Non-abrasive.

Size: 40 x 40cm.

NEW

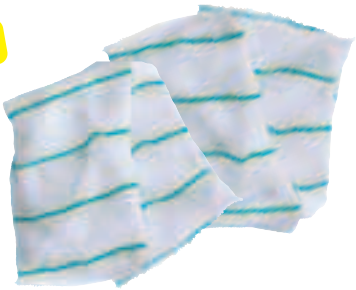


Colour	Order Code COT-907
Blue (36g)	-6962K
Green (36g)	-6964K
Red (36g)	-6966K
Yellow (36g)	-6968K

Synthetic Cloths

Impregnated with Triclosan that will not wash out of the fibres. Triclosan prevents growth of most common bacteria such as listeria, e-coli and salmonella. Synthetic yarn is scientifically developed for improved absorbency, higher durability and less shrinkage.

NEW



Colour	Order Code COT-907
Blue	-6900K
Green	-6910K
Red	-6920K
Yellow	-6930K

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Black Refuse Sacks

Heavy duty bags bulk packed for industrial use. Available in a choice of five gauge thicknesses.

Dimensions:
46 x 74 x 100cm (18" x 29" x 39").

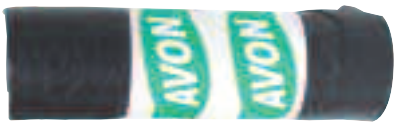


Thickness (Gauge)	Pack Qty	Order Code **AVN-918**
140 Gauge	200	**-0070K**
160 Gauge	200	**-0150K**
180 Gauge	200	**-0080K**
225 Gauge	200	**-0240K**
350 Gauge	100	**-0090K**

Black Refuse Sacks - On a Roll

Economical extra strong recycled polythene refuse sacks. Suitable for domestic and office use.

Dimensions:
46 x 74 x 86cm (18" x 29" x 34").

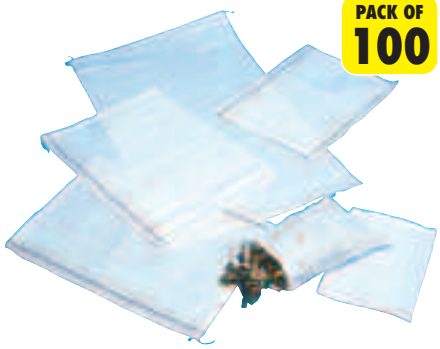


Thickness (Gauge)	Bags per Roll	Order Code **AVN-918**
120 Gauge	20	**-0160K**

Woven Polypropylene Sacks

A material made by weaving polypropylene tapes in two directions to form a lightweight breathable fabric suitable for grains, seeds, minerals, sand and other products. Woven polypropylene bags offer the best packaging for a large variety of products in industries such as agriculture, chemical, mining, building materials, and construction. Woven polypropylene bags offer economy, better protection, weight savings, and greater strength than other available packaging. Sold in packs of 100.

PACK OF 100



Size (mm)	Size	Order Code **AVN-918**
230 x 310	9" x 12"	**-0020K**
310 x 460	12" x 18"	**-0030K**
380 x 500	15" x 20"	**-0040K**
460 x 620	18" x 24"	**-0050K**
620 x 1000	24" x 40"	**-0060K**

Wheelie Bin Liners

Heavy gauge refuse sacks. Specifically designed for use with wheelie bins.

PACK OF 100



Size (inch)	Thickness (Gauge)	Order Code **AVN-918**
20 x 35 x 47"	350	**-0210K**
30 x 45 x 54"	150	**-0220K**
30 x 46 x 54"	180	**-0200K**
30 x 50 x 54"	180	**-0230K**

Compactor Sacks

Extra large and heavy gauge for use with bulk disposal of refuse including larger objects.

Dimensions (W x L x H): 51 x 86 x 120cm.

PACK OF 100



Thickness (Gauge)	Pack Qty	Order Code **AVN-918**
300g	100	**-0250K**

KENNEDY QUALITY INDUSTRIAL TOOLING

Plastic & Galvanised Dustbins

80ltr capacity. Designed for domestic and commercial use. Plastic bins are not suitable for use with hot ashes or large, sharp swarfs.

Diameter: 450mm.



Type	Weight each	Order Code **KEN-907**
Plastic	2.8kg	**-9050K**
Galvanised	4.1kg	**-9000K**

Coloured Refuse Sacks

Heavy gauge refuse sacks. For colour coded disposal systems. Available in a choice of four colours.

Dimensions: 46 x 74 x 100cm (18" x 29" x 39").

PACK OF 100



Colour	Thickness (Gauge)	Order Code **AVN-918**
Red	160g	**-0100K**
Yellow	160g	**-0120K**
Blue	160g	**-0130K**
Green	160g	**-0110K**

MATLOCK

Cigarette Butt/Ash Bin - Wall Mounted

Stainless steel bins are practically designed for the safe and efficient disposal of cigarette butts and the unsightly litter caused by cigarettes. Fully weather-resistant and ideal for use in designated smoking areas.

Specification: Lockable hinged front. Supplied with wall fixings.
Dimensions (W x H x D):
265 x 285 x 110mm.
Capacity: 3ltr.



Type	Order Code **MTL-907**
Mounted Cigarette Bin	**-8120K**

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SOLENT CLEANING & HYGIENE Sanitise Wipes

A single use wipe for sanitising all types of surfaces. Impregnated with a fast acting disinfectant that has a high kill rate, effective against most bacteria including C.Diff.
Tub of 200 (20 x 30cm) wipes and bucket of 1000 (20 x 20cm) wipes.



Quantity	Order Code SOL-930	
200	-5200K	N/A
1000	-5250K	N/A

Paint & Mastic

A soft hand and surface wipe, ideal for removing non-cured petroleum based products such as paint, adhesives and mastics.



Quantity	Order Code SOL-930	
150	-5000K	N/A

Multi

A soft hand and surface wipe, ideal for removing grease, grime, oil, tar, ink and general dirt.

Tub contents: 150 (28 x 28cm) wipes.



Quantity	Order Code SOL-930	
150	-4600K	N/A

SOLENT CLEANING & HYGIENE Engineer's Wipes

High Performance Work Wipes
For removing the thickest of grease and grime. Designed for use by mechanics, engineers, printers, electronics industry etc. Very low lint - solvent resistant - high wet strength - silicone free. Smaller sheet size for reduced cost per wipe.
Fabric type: 48% polyester, 52% wood pulp, spun lace with light aperture.
Total cloth area = 24.3m^2.



Box Qty	Colour	Pack Weight	Order Code SOL-930
250	White	1.36kg	-3000K

A1 Coloured Wipes

Strong/economical wipes.
Pack weight: 10kg.
Manufactured from recycled material



Grade	Colour	Order Code SOL-930	
Industrial	Multi	-1000K	

Hand Wipes

Soft white wipes. Removes oil, grease, ink and general dirt. Waterless - no need to rinse hands after cleaning. Ideal for mobile repair and maintenance vans and use around the workshop.



Pack Qty	Order Code SOL-930	
150	-3900K	N/A

Heavy Duty Hand Wipes

Impregnated with mild abrasive fibres to remove oil, grease, general grime plus difficult to remove contaminants such as paints, sealants, most inks and ground-in dirt. A genuine waterless hand cleaning wipe with no need to rinse after use, ideal for mobile repair and maintenance vans as well as use around the workshop.



Pack Qty	Order Code SOL-930	
100	-4000K	N/A

SOLENT HYGIENE FOR FOOD Food Safe Wipes

Hand Wipes
These non-toxic single-use wipes are excellent for killing lethal bacteria and preventing cross-contamination.
Size: 20 x 30cm.



Pack Qty	Order Code SOL-930	
200	-4400K	N/A

Food Safe Wipes

Probe Wipes
These single-use wipes are for the disinfectant cleaning of food probes to prevent cross-contamination.
Tub of 175 (13 x 13cm) wipes.



Quantity/ Pk Type	Order Code SOL-930	
175 Tub	-5500K	N/A

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SOLENT CLEANING & HYGIENE 'Stroll' Mini Jumbo Toilet Rolls

2 Ply

Each Roll 200m

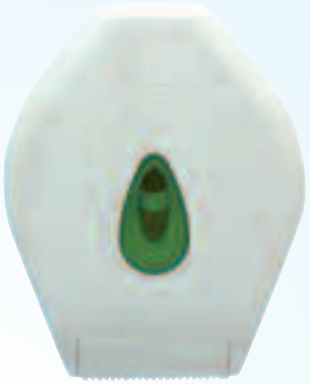
12 Rolls per Case

High quality 2-ply white tissue. Choice of roll lengths to suit all traffic areas, offering maximum economy and flexibility with less time spent refilling. Suitable for away-from-home locations such as commercial premises, restaurants, hotels and pubs, factories and offices. Lockable dispensers help to keep the product clean and discourage pilfering. Use with MTD003 Mini Jumbo dispensers.



Description	Roll Size	Rolls/ Case	Core Size	Order Code SOL-952
M-Stroll Mini Jumbo	90mm x 200m	12	60mm	-3300Y
M-Stroll Mini Jumbo			76mm	-3320Z

'Stroll' MTD003 Mini-Jumbo Dispenser
Durable white ABS dispensers. Supplied with keys.



Dispenser Description	Roll Size	Order Code SOL-952
Mini Jumbo	90mm x 200m	-9200E

SOLENT CLEANING & HYGIENE 'Stroll' Jumbo Toilet Rolls

2 Ply

Each Roll 400m

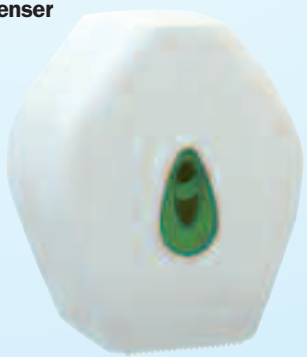
6 Rolls per Case

High quality 2-ply white tissue. Offering maximum economy and flexibility with less time spent refilling. Suitable for away-from-home locations such as commercial premises, restaurants, hotels and pubs, factories and offices. Lockable dispensers help to keep the product clean and discourage pilfering. Use with JTD001 Jumbo dispensers.



Description	Roll Size	Rolls/ Case	Core Size	Order Code SOL-952
J-Stroll Jumbo Roll	400m	6	57mm	-3200W

JTD001 'Stroll' Jumbo Toilet Roll Dispenser
Durable white ABS dispensers. Supplied with keys.



Dispenser Description	Roll Size	Order Code SOL-952
Jumbo	410m	-9150D

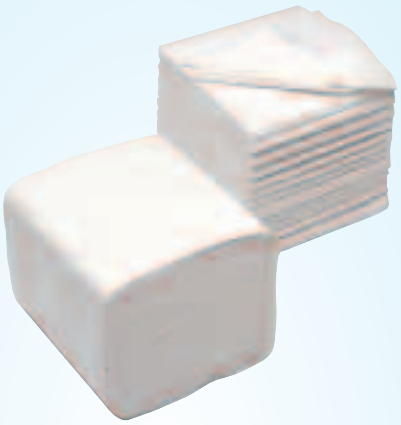
SOLENT CLEANING & HYGIENE 'Flat Pack' Interleaved Toilet Tissue

2 Ply

9000 Sheets Per Case

High quality 2-ply white tissue. 'One sheet at a time' dispensing discourages pilfering and minimises wastage. Use with FTD119 dispenser, which can be topped up at any time.

Sheets per sleeve: 250.
Sleeves per pack: 36.



Description	Sheets/ Case	Order Code SOL-952
2-ply White Interleaved	9000	-2200A

FTD119 'Flat Pack' Dispenser
Durable white ABS dispenser. Lockable with keys provided.



Description	Order Code SOL-952
Flat Pack Dispenser	-9100C

SOLENT CLEANING & HYGIENE Toilet Rolls

2 Ply

200 Sheets Per Roll

36 Rolls per Case

S-T-Roll
High quality 2-ply white toilet tissue. Suitable for domestic and professional use.

Standard Roll
Sheets per roll: 200.

NEW



Description	Rolls/ Case	Order Code SOL-952
Standard S-T-Roll	36	-3350K

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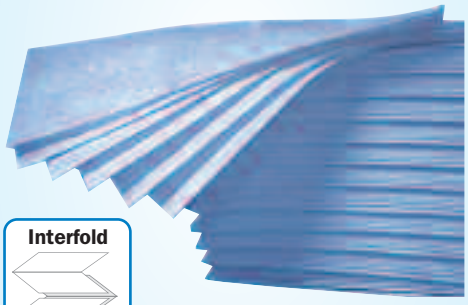
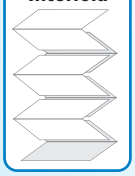
SOLENT CLEANING & HYGIENE Interfold Towels

High quality paper towels. For the most cost efficient and hygienic solution to hand drying. When the towel is pulled out the next towel is presented for use - eliminates problems associated with cross contamination of towels in medical and food industry applications. Small towel size minimises cost and waste. Can be topped up during use - need never run out.





1 Ply

3600 Towels Per Case

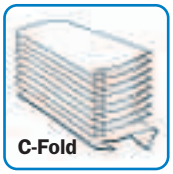
Type	Colour	Sheet Size (cm)	Pack Qty.	Order Code SOL-952
1-Ply	Blue	21 x 24.7	3600	-2700M
1-Ply	Blue	24.5 x 22	3600	-2680A

C-Fold Hand Towels

'Soft' has maximum softness and absorbency, designed for use in washrooms where disposal bins are provided. Single-sheet dispensing discourages pilfering and minimises wastage. Use with CTD201 dispenser, which can be topped up at any time.

Sheet size: 22.5 x 33cm.





2 Ply

Soft Bin Disposal

2400 Towels Per Case

Description	Colour	Pack Qty.	Order Code SOL-952
'Soft' 2-Ply	White	2400	-2600K

Folded Towel Dispenser CTD201

Durable white ABS dispensers. Lockable with keys provided.For use with 'Z-Fold', 'Interfold' and 'C-Fold' towels.



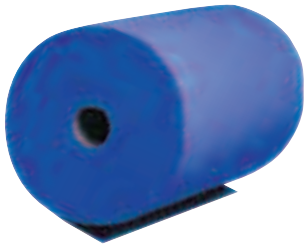
Description	Model Number	Order Code SOL-952
Dispenser	CTD201	-9050B

Workshop Rolls

2 Ply

'Floorstand' 2-ply

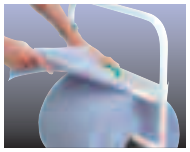
Long lasting 2-ply paper towels. For use with floorstands or similar dispensers. Perforated and unperforated. Unperforated - cut to size to suit application. Suitable for workshops, food processing and automotive industries.



Description	Roll Size (cm x m)	Pack Qty	Order Code SOL-952
White Perf	28 x 290	2	-2730M
White Perf	28 x 360	2	-2790D
Blue Perf	23 x 350	2	-2760A
Blue	26 x 400	2	-2800N
White	26 x 400	2	-2805K
Blue	37 x 400	1	-2830Q

Wheel Mounted Floor Stand Roll Dispenser

Highly improved design now features large diameter castors providing maximum portability even when fully loaded and when moving over uneven ground. A self-adjusting cutting edge allows the wiper to be precisely and squarely torn off with the minimum of effort. Suitable for use with Solent multi-purpose wiper rolls as well as many other brands. Folds flat for storage when not in use.





Maximum Roll Width	Weight each	Order Code SOL-952
30cm	2.1kg	-9400W

High Quality 100% Tissue Wipes

Wiper Box

Thick, bulky and strong paper wipes. High performance yet incredibly economical wiping solution, ideal for surface wiping, mopping spills cleaning tools and equipment and process wiping. Suitable for factory workshops, valeting, maintenance automotive and agricultural industry.

Sheet size: 40 x 26cm.
Sheets per box: 400.



2 Ply

Wiperbox Highly Absorbent

400 Sheets Per Box

Colour	Roll Size	Order Code SOL-952
White	26cm x 160m	-3480D

General Purpose Rolls

'Hygiene' 1 Ply

Long lasting single-ply paper towels. Medium duty for catering and general hygiene use. Unperforated - cut to size to suit application. Supplied in cases of 16 rolls. Green.

1 Ply



Each Roll 70m Unperforated

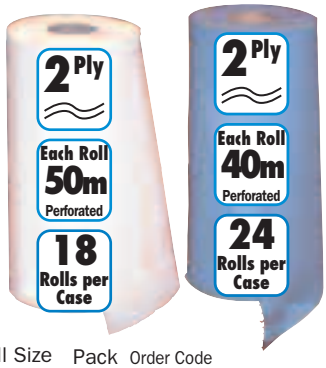
12 Rolls per Case

Description	Roll Size (cm x m)	Pack Qty	Order Code SOL-952
Hygiene Roll	20 x 70	16	-2900Q

Heavy Duty Perforated Rolls

'Hygiene' 2-ply

Highly absorbent two ply paper towels. High strength and 25cm sheet width for general hygiene use.
Also suitable for light workshop, industrial, medical and veterinary applications where a stronger towel is required.



2 Ply

Each Roll 50m Perforated

18 Rolls per Case

2 Ply

Each Roll 40m Perforated

24 Rolls per Case

Colour	Roll Size (cm x m)	Pack Qty	Order Code SOL-952
Blue	25 x 40	24	-2950R
White	25 x 50	18	-2960S

Centre-Feed Rolls

1 Ply

2 Ply

6 Rolls per Case

Available as single ply wipes suitable for general wiping or as two ply heavy duty wipes. Supplied on rolls with a removal cardboard core to allow them to be used either as centre feed rolls in a dispenser or with the core still in place on a floor stand. ideally suitable for all workshop and most general industrial and automotive object wiping applications. Each roll is perforated for easier dispensing of each sheet. Available as blue or white rolls in different roll widths and lengths.



Type	Colour	Roll Size (cm x m)	Order Code SOL-952
2-ply	White	19.0 x 150	-2500G
2-ply	Blue	19.0 x 150	-2550H
1-ply	White	23.0 x 288	-2555Q
2-ply	Blue	19.5 x 144	-2560S
2-ply	White	19.5 x 144	-2570T

JANITORIAL & HYGIENE

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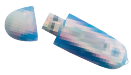
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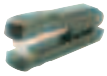
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OFFICE SUPPLIES & PACKAGING

Product Groups 787 - 982

Product Grading

Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.

Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.

Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.

Workshop
Standard quality tooling for use by tradesmen and generally industrial use.

Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.

Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

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OFFICE SUPPLIES

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AVON Archive Boxes

Rigid cardboard box with carrying handles and attached lid to prevent loss/damage. Suitable for storage and transportation of large quantities of of non-active records. Suitable for stacking. Large contents panel for clear labelling and easy retrieval.

Dimensions (W x H x D):
430 x 360 x 257mm.



PACK OF 10

Colour	Order Code AVN-801
Brown	-0040K

Offis A4 Punched Pockets

A4 top opening. Manufactured from hard-wearing anti-static polypropylene and lightly embossed to reduce glare. Heavy duty reinforced binding edge with conventional 11 hole punch which fits all 2, 3 and 4-ring binders.
Ideal for everyday use.

PACK OF 100



A4

Size	Pack Quantity	Order Code OFI-804
A4	100	-0140K

PVC Clipboards

Keeps paper firmly in place. Rigid PVC covered board with heavy duty clip. Suitable for foolscap and A4 papers. Fold over clipboard has an inside pocket for protecting papers.



A4 FOOLS CAP

*Colours in table are for guidance only.

Colour	Type	Order Code OFI-804
Black	Single	-1720K
Blue	Single	-1725K
Red	Single	-1730K
Black	Foldover	-1740K
Blue	Foldover	-1745K
Red	Foldover	-1750K

Offis USB 2.0 Flash Drives

Very quick and simple to use and compatible with both PCs and Macs. Simply plug the device into your USB port and you can transfer files or run presentations in an instant. On the majority of computers the USB Flash Drive is plug and play.

Features:
Plugs into any USB port.
Hi-speed USB 2.0.
Locking function.
Fits on your key ring or in your pocket.

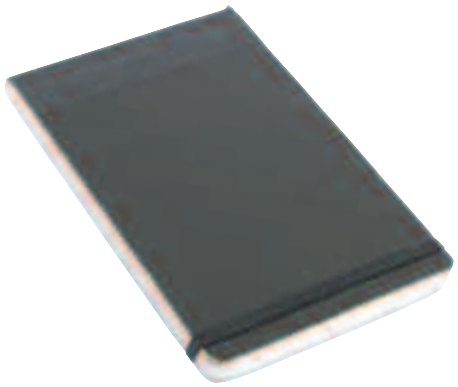


Size	Order Code OFI-804
4GB	-1810K
8GB	-1820K

Pocket Note Book

Stiff cover note book with fitted elastic band. 80 leaves, feint ruled.

Size: 83 x 127mm.



Size (mm)	Order Code OFI-827
83 x 127	-0080K

Masonite Clipboards

Masonite clipboards are manufactured from strong brown hardboard with a glazed front to provide a smooth writing surface. Heavy duty clip ensures that papers are held secure. Ideally suitable for stores, warehouse, stocktaking and inspection procedures.



A3 A4

Size	Order Code OFI-804
A4	-1710K
A3	-1700K

Organiser & Business Card Holder

Personal Organiser:
PVC leather-look padded organiser. Six internal pockets and press stud fasten. Complete with 20 leaved lined A4 pad. Pen and pen holder.
+
Business Card Holder:
PVC leather-look padded holder. Organise, store and view up to 96 cards.
Size (H x W x D): 200 x 120 x 17mm.
=
Set:
1x organiser and 1x business card holder.





A4

Type	Order Code OFI-804
Organiser & Holder	-0180K

Business Bag

Polyurethane leather-look business bag which is fully padded for laptop carrying. Has a rear file section, three large internal compartments, comfortable handle and detachable shoulder strap. Also features an exterior zip organiser.





Type	Order Code OFI-804
Business Bag	-0090K

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SOLENT OFFICE CLEANING & HYGIENE Dry Absorbent Wipes

Essential for mopping up desktop spills fast! Tough and very absorbent. Safe to use on most screens as the material has a low lint content and will not scratch.
Use able with all cleaning fluids and foams.

PACK OF 50



Order Code SOL-780
-6840E

Anti-Static Screen Cleaner

Anti-static screen cleaner for use on all screens including TFT, TV and Plasma screens. No alcohol, non-toxic, non-hazardous cleaner and protector.
Will reduce build-up of dust and dirt that can cause headaches and eyestrain.
250ml spray bottle.
Use with Solent Dry Wipe Cloths (SOL-780-6840E) available separately.



Order Code SOL-780
-6860G

SOLENT OFFICE CLEANING & HYGIENE Air Duster

HFC-free. Designed to remove dust and dirt from hard to reach areas. Environmentally friendly, does not contribute to global warming. Extension tube included.

Size: 400ml can.



Order Code SOL-780
-6800A

Whiteboard Cleaner

Cleans like new! Effectively cleans dry wipe marker pen from most whiteboards.
Non-toxic, non-hazardous fluid.
Leaves whiteboards looking new.
250ml spray bottle.
Use with Solent Dry Wipe Cloths (SOL-780-6840E) available separately.



Order Code SOL-780	
-7000A	

Screen Wipe Hygiene Sachets

Hygienic sachets for use on most screens. No alcohol, non-toxic, non-hazardous cleaner and protector. Will reduce build-up of dust and dirt that can cause headaches and eyestrain.
Pack of 50.

PACK OF 50



Order Code SOL-780	
-6890K	N/A

Anti-static Screen Wipes

Anti-static screen wipes. Pre-saturated for use on screens including TFT, TV and Plasma screens. Will reduce build-up of dust that can cause headaches and eyestrain. Bio-degradable. No alcohol, non-toxic, non-hazardous.
Pack of 100.

PACK OF 100



Order Code SOL-780	
-6880J	N/A

Whiteboard Wipes

Pre-moistened whiteboard wipes effectively cleans dry wipe marker pen from most whiteboards. Non-toxic. Non-hazardous. Leaves whiteboards looking like new.

Tub contents: 100.

PACK OF 100



Order Code SOL-780	
-7020C	N/A

Telephone Wipe Hygiene Sachets

Effectively cleans telephones, headsets and any other equipment that comes into contact with ear or mouth. Non-toxic, non-hazardous cleaner. Will help to reduce the build-up of dirt and dust where germs can breed.
Pack of 50 sachets.

PACK OF 50



Order Code SOL-780	
-6950R	N/A

Multi-Purpose Wipes

PACK OF 100

Antibacterial multi-purpose wipes. Effectively cleans hard surfaces, computer casing, desks, telephones etc. Antibacterial formulation effective against E-coli, salmonella, MRSA and influenza virus. Helps to reduce build-up of dust and dirt where germs can breed.
Pack of 100.



Order Code SOL-780	
-6920N	N/A

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Lincoln

Leather Faced Manager's Chairs

Gas assisted height adjustment and seat base tension control. 3" thick seat and back padding for optimal comfort. Five star base for stability with covered dual wheel castors on each spur for moving seat ocation. With shaped arm rests.

Colour: black
Maximum weight: 16 stones (101kg).
Dimensions:
High back Seat: D508 x W508mm.
Back: H699 x W508mm.
Seat height: 460mm.
Medium Back Seat: D489 x W536mm.
Back: H508 x W536mm.
Seat height: 460mm.

Medium back



Type	Order Code LNC-811
Executive High Back	-0100K
Medium Back	-0110K

High Backed Manager's Chairs

Fabric covered, high backed, manager's chair. Gas assisted height adjustment and seat base tension control. 3" thick seat and back padding for optimal comfort. Five star base for stability with covered dual wheel castors on each spur for moving seat location. Shaped arm rests for comfort.

Colours: charcoal, royal blue and red.
Maximum weight: 16 stones (101kg).
Dimensions:
Seat: D504 x W539mm.
Back: H628 x W529mm.
Seat height: 460mm.



Colour	Order Code LNC-811
Charcoal	-0060K
Royal Blue	-0080K
Red	-0090K

High Back Operator's Chair

Fabric covered, medium backed, operator's chair. Gas assisted height adjustment and seat base tension control. Back height adjustment. 3" thick seat and back padding. Five star base for stability with covered dual wheel castors on each spur for moving seat location. Arm rests available as an optional extra.

Colours: charcoal, royal blue and red.
Maximum weight: 16 stones (101kg).
Dimensions:
Seat: D470 x W486mm.
Back: H501 x W460mm.
Seat height: 460mm.



Colour	Order Code LNC-811
Charcoal	-0010K
Royal Blue	-0030K
Red	-0040K
Fixed Arms	-0310K
Adjustable Arms	-0420K

Draughtsman's Chair

Fabric covered, fixed position chair. Five star base for stability.

Colours: charcoal or royal blue fabric colours.
Maximum weight: 16 stones (101kg)
Height adjustable chrome foot ring: (between 200 - 400mm).
Seat height adjustment: (590 - 830mm).
Medium back with depth adjustment.

Not to be used with castors



Colour	Order Code LNC-811
Charcoal	-0120K
Royal Blue	-0130K

High Industrial PU Chair

Moulded plastic, fixed position chair. Five star base for stability.

Colour: black.
Maximum weight: 16 stones (101kg).
Dimensions: Height adjustable chrome foot ring: 200 - 400mm.
Seat height adjustment: 590 - 830mm.
Medium back with depth adjustment.

Not to be used with castors



Colour	Order Code LNC-811
Black	-0140K

Low Industrial PU Chair No Foot Ring

Easy to clean polyurethane ideal for the factory floor, workshop or laboratory.

Colour: black.
Dimensions:
Seat: W460 x D420 x H410 - 530mm.
Back: H310mm.



Colour	Order Code LNC-811
Black	-0250K

Metal Kick Stools

Fitted with three spring loaded castors for robust maximum mobility. The base ring holds the kick stool rigid to the floor immediately after weight is applied. Heavy duty construction.

Colours: black, blue, grey or red.
Diameter: 29cm.



Colour	Order Code LNC-811
Black	-0190K
Blue	-0200K
Grey	-0210K
Red	-0220K

Plastic Kick Stool

Manufactured in high quality durable plastic, lightweight and easy to move. Incorporates three sprung loaded castors which retract when weight is applied.

Maximum load: 125kg.



Colour	Order Code LNC-811
Black	-0350K
Blue	-0360K
Grey	-0370K
Red	-0380K

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MATLOCK Electronic Safes

Electronic safe complete with mounting bolts and floor carpet. One fixed shelf. 3 - 8 digit locking code. Concealed emergency manual key lock. Double locking bolts.
Fine powder coated finish.



Dimensions (mm) Internal	External	Order Code MTL-820
240x340x195	250x350x250	-5020K
290x370x245	300x380x300	-5030K

Electronic key safe

Electronic key safe with a handy deposit slot - insert keys without opening the cabinet. Supplied with a manual override key, key rings, multi-coloured tags and fixing bolts.
Requires 4x AA batteries.



Key Capacity	Dimensions W x D x H (mm)	Order Code MTL-820
48	300 x 100 x 365	-5540K

Combination Key Safe

DPC012
Strong, secure, convenient key safe for making keys available for those you trust. Made of steel with a powder coated finish, it has four mounting holes (screws provided) and a weather guard to protect the re-settable 10,000 combination lock.



Size H x W x D (mm)	Order Code MTL-820
118 x 83 x 40	-0500K

Emergency Key Cabinet

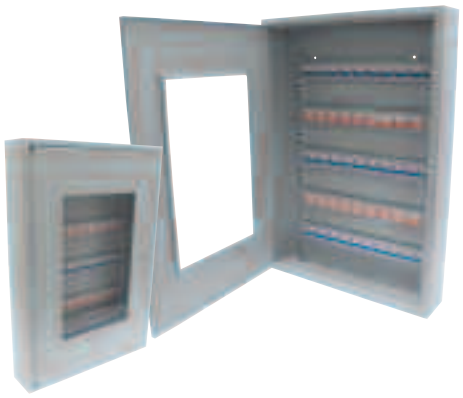
The Matlock Emergency Key Cabinet is an ideal way to centrally control access to a restricted key for emergency use on site. Supplied with hammer chain to break glass. It is manufactured from heavy gauge steel, with durable piano hinges, and a security lock with two keys.



Type	Order Code MTL-820
Keyed	-0400K

50 Key Cabinet with Perspex Window

Lockable steel key safe featuring a clear perspex window for easy visual check on keys. Suitable for wall mounting and includes pre-drilled mounting holes and bolts.



Key Capacity	Dimensions W x D x H (mm)	Order Code MTL-820
50	380 x 80 x 550	-0350K

Key Cabinets

All heavy gauge steel construction for secure key storage. Fitted with security lock and supplied complete with two keys. All key hooks are numbered for easier identification. Easily fitted to walls with screws (fixings not supplied).



Key Capacity	Dimensions W x D x H (mm)	Order Code MTL-820
20	160 x 80 x 20	-0200K
48	180 x 80 x 250	-0250K
93	240 x 80 x 300	-0300K

Convex Traffic Safety Mirror

These lightweight convex traffic mirrors are designed to assist road safety and can help eliminate blind spots at corners, concealed entrances and exits, car parks and junctions to ensure maximum visibility.
Mirror manufactured from unbreakable polymir with red/white plastic surround.



Type	Order Code MTL-820
Outdoor	-7840K

Acrylic Security Mirrors

Internal and external acrylic convex mirrors with fully adjustable fixing brackets.
For use in all situations i.e. security, safety, traffic surveillance, Warehousing, car parks, retail business, road way (exit from drive to road.) etc. Each mirror comes complete with wall mounting hardware and instructions for maximum viewing.



Type	Size (mm)	Order Code MTL-820
Interior	400	-8040K
Interior	600	-8060K
Outdoor	600	-8160K

Blue Plastic Key Rings

Manufactured from plastic with a removable address label. Fitted with a metal key ring.



Description	Order Code MTL-820
Key Ring	-9020K

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Chrome Wall Clock

Traditional 12 hour clock. Analogue display with quartz movement. Requires 1x AA battery, supplied separately - (Order Code EDI-904-3020K - pack of 4). 355mm (14”). Chrome finish rim with white clock face, easy to read extra large black digits, divisions and hands, red second hand. Manufactured to **CE** requirements. Moulded hanging slot.



Size	Order Code OFI-823
355mm (14”)	-0010K

White Wall Clock

Traditional 12 hour clock. Analogue display with quartz movement. Requires 1x AA battery, supplied separately - (Order Code EDI-904-3020K - pack of 4). 25.4cm (10”) Silver finish round rim with white clock face, easy to read black digits, divisions and hands. Moulded hanging slot. Manufactured to **CE** requirements.



Size	Order Code OFI-823
254mm (10”)	-0030K

24 Hour Clock

254mm (10") dial with a white plastic rim. Large easy to read digits, hands and divisions. Moulded hanging slot for wall mounting. Quartz movement. Requires 1x AA battery (Order Code EDI-904-3020K - pack of 4). Manufactured to **CE** requirements.



Size	Order Code OFI-802
254mm (10”)	-0540K

Large Desktop Calculator

DLC 012
3 digit comma marker.
Large tilting 12 digit display.
Solar with battery back up.

Dimensions (W x H):
140 x 190mm.

DUAL POWER

CE



Model Number	Order Code EDI-801
DLC012	-6100K

Financial Calculator

DFC 036
3 digit comma markers.
Large 12 digit displays.
Dual power, solar with battery back up. Automatic power off.
Flip down stands.

Additional Features:
3 line display. Decimal place selector; ‘Floating’, ‘4,2,0 Digits’ or ‘Add 2 (=Divide by 100)’.
Rounding function; ‘Round-down’ or ‘Round-nearest’.
Tax (with presettable rate), cost, sell margin, currency (with presettable rate), HMS (time).

CE DUAL POWER



Model Number	Order Code EDI-801
DFC036	-5920K

12-Digit Semi-Desk LCD Calculator

NEW

DCS012
General purpose desk calculator with 12 digit LCD display. Includes cost, sell and margin feature and tax function. Solar powered with battery back-up.

Dimensions (W x H):
98 x 137mm.

DUAL POWER
12 DIGITS



Model Number	Order Code EDI-825
DCS012	-0070K

Scientific Calculator

NEW

DFC240
Combines a twin line display that shows both the question and the answer with a logical algebraic entry system that allows you to enter calculations in the order they are written. Has 240 functions, automatic power off and slide-on case.

Dimensions (W x H):
83 x 154mm.



Model Number	Order Code EDI-825
DFC240	-0080K

8-Digit Pocket LCD Calculator

PC008
General purpose pocket-sized calculator with 8 digit LCD display. Solar powered with battery back-up. Percentage key. Automatic power off.

Dimensions (W x H):
62 x 102mm.

NEW
DUAL POWER
8 DIGITS



Model Number	Order Code EDI-825
PC008	-0050K

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KOBE Insect Killers

Kobe Insect Killers are a safe and hygienic way to eliminate flying insects. Features a protective outer mesh, low energy consumption and removable tray for easy cleaning. Suitable for suspending from a wall or ceiling. Supplied with hanging chain.

Insect Killer - 20W

Model number: EIK202. **Rated power input:** 20W. **Tube type:** 2x TLD10W. Effective area: 30m². **Replacement tube:** Order Code KBE-787-0150K (for single tube).



Wattage	Effective Area	Order Code KBE-787
20W	30m²	-0130K
40W	60m²	-0140K
20W bulb		-0150K
40W bulb		-0160K

Insect Killer with Remote Control - 20W

Bulbs positioned at the top to allow an all round opening. **Model number:** IKR202. **Rated power input:** 20W. Tube type: 2x TLD10W. **Effective area:** 40m². **Replacement tube:** Order Code KBE-787-0150K (for single tube).



Wattage	Effective Area	Order Code KBE-787
20W	40m²	-0170K

Hot Plate

TEC-HP03

Compact and portable hot plate made to current CE specifications.
It has cast iron elements and a thermostatic control from simmer to boil in six settings with a durable easy to clean surface.
Two hot plates, a 190mm 1.5kW and 160mm 1kW.

2 Hot Plates 1.5kW & 1kW



Rated Power	Colour	Order Code KBE-787	
2.5kW	White	-0090K	N/A

KENNEDY Plastic Jerry Cans

Secure water containers manufactured from food grade plastic available in 10, 15 and 20ltr capacities, fitted with a collared screw top for ease of refilling and a twist on-off tap for spill free dispensing. The moulded handle design makes it ideal for transporting and storing water in and around the work place, home or when travelling.



Capacity	Type	Order Code KEN-540
10ltr	Water	-6500K
15ltr	Water	-6520K
20ltr	Water	-6540K

2kW Flat Fan Heater

Two heat settings - 1000W and 2000W.
Variable heat thermostat with frost protection. Cooling fan setting.
Safety overheat cut-out.
Power Indicator light.

2 HEAT SETTINGS



1 COOL SETTING

Max Output	Weight (each)	Order Code KBE-828	
2000W	1.26kg	-0120K	N/A

Halogen Heater

The Kobe Halogen Heater comes with three heat settings: 400W, 800W and 1200W.
It has an oscillating function and comes with two built in safety features: tilt trip switch and an overheat cutout. An ideal portable heater with an integrated handle making it easy to carry.

Power consumption: 400/800/1200W.
Voltage: 220-240V AC.
Frequency: 50Hz.

3 HEAT SETTINGS



Max Output	Order Code KBE-828	
1200W	-0140K	N/A

Electric Heater

The Kobe Convector Fan/Heater comes with three heat settings: 750W, 1250W and 2000W as well as a built in circulation fan which can be used for both hot and cold air functions. It comes with a 24 hour timer, a variable thermostat with frost protection and a safety overheat cutout. The heater is free standing or wall mountable and comes with built in carry handles on either end of the heater.

Power consumption: 750/1250/2000W
Voltage: 220-240V AC.
Frequency: 50Hz.



Thermostat control and programmable timer

Max Output	Order Code KBE-828	
2000W	-0130K	N/A

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A1 Freestanding 'A' Frame

Suitable for indoor/outdoor. Ideal for promoting products or displaying awareness information. Can be used in multiples to promote a series of information to people on the move. Double sided to display alternate traffic directions simultaneously.
Anti-glare PVC poster cover helps to protect against environment and help maintain maximum visibility.



Description	Order Code OFI-836
A1 Freestanding 'A' Frame	-0190K

Whiteboard Cleaner & Wipes

Whiteboard Cleaner
Cleans like new! Effectively cleans dry wipe marker pen from most whiteboards. Non-toxic, non-hazardous fluid. Leaves whiteboards looking new. 250ml spray bottle. Use with Solent Dry Wipe Cloths (SOL-780-6840E) available separately.

Whiteboard Wipes
Pre-moistened whiteboard wipes effectively cleans dry wipe marker pen from most whiteboards. Non-toxic. Non-hazardous. Leaves whiteboards looking like new.

Tub contents: 100.

PACK OF 100



Description	Order Code SOL-780	
Cleaner	-7000A	
Wipes - Tub 100	-7020C	N/A

Cork Notice Boards - Aluminium/ Wooden Frames

Cork boards are preferable for displaying notices and communications and they free your working area of knick-knacks.
The boards will last for years even with daily use. Available in a choice of three sizes with anodised aluminium or wood frame finish.



Size	Order Code OFI-836
Aluminium Trim	
600 x 450mm	-0160K
900 x 600mm	-0170K
Wooden Trim	
600 x 450mm	-0130K
900 x 600mm	-0140K
900 x 600mm	-0150K

Freestanding Snap Frame

Lightweight frames for indoor or outdoor use. Attractive 'cushion profile' frames made from smooth satin finish Aluminium. A clear flexible plastic front sheet protects the contents from dust and contact. Height adjustable tubular steel stand features a ratchet slider mechanism to allow rapid adjustment.
Mirror chrome finish. Ideal for use in lobbies, receptions or as a temporary traffic direction sign.





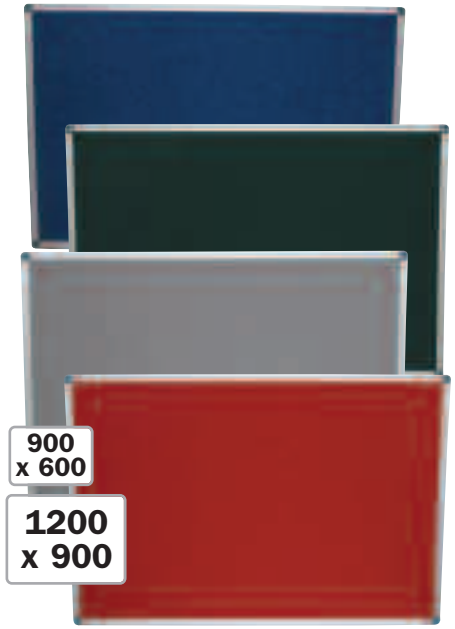
Ratchet slide adjustment

A4

Frame Size	Height Range (mm)	Base Dia.	Weight (each)	Order Code OFI-836
A4	1050-1450	245	2.5kg	-0460K

Felt Notice Boards - Aluminium Frames

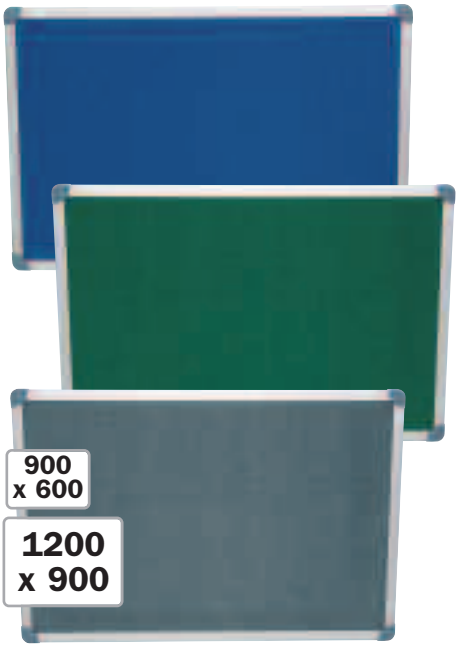
Boards covered with felt in a range of colours for your business or personal use.
Four fabric colours: blue, green, grey and red.
In two sizes.



Colour	Size	Order Code OFI-836
Blue	900 x 600mm	-0050K
Green		-0060K
Red		-0080K
Blue	1200 x 900mm	-0090K
Green		-0100K
Grey		-0110K
Red		-0120K

Executive Felt Covered Notice Boards - Aluminium Frames

Aluminium framed, executive felt covered notice boards. Available in blue, green, and grey with a satin finish aluminium frame.



Colour	Size	Order Code OFI-836
Blue	900 x 600mm	-0280K
Green		-0290K
Grey		-0300K
Blue	1200 x 900mm	-0310K
Green		-0320K
Grey		-0330K

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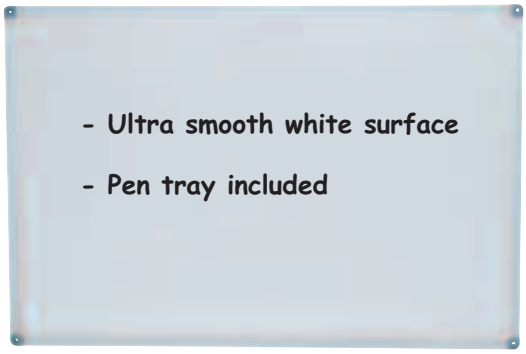
Offis Drywipe Boards

These whiteboards have a revolutionary new surface which is ultra smooth to improve erase ability and reduce ghosting. Plain white surface, supplied with wall fixings and pen tray.

Ultra Smooth Single Sided Magnetic Whiteboards
Surface guaranteed for five years in normal use. Surface can be used with any whiteboard markers and easy to wipe off.

Ultra Smooth Non-magnetic Whiteboard
Laminated dry-wipe whiteboard surface. Use with any whiteboard markers and easily wiped off by eraser.



Type	Size	Order Code OFI-836
Standard	900 x 600mm	-0030K
	1200 x 900mm	-0040K
Magnetic	900 x 600mm	-0010K
	1200 x 900mm	-0020K

Executive Dry Wipe Boards

The Offis™ Executive dry wipe white board is ideal to use in training seminars, presentations, in the classroom or anywhere else ideas or procedures need communicating to several people at the same time. The extra smooth bright white surface improves erasability, reduces ghosting and provides a good contrast to anything written or drawn on it. Finished with an attractive aluminium trim and ABS plastic corners that will complement any conference or meeting room, supplied with concealed wall fixings and pen tray.

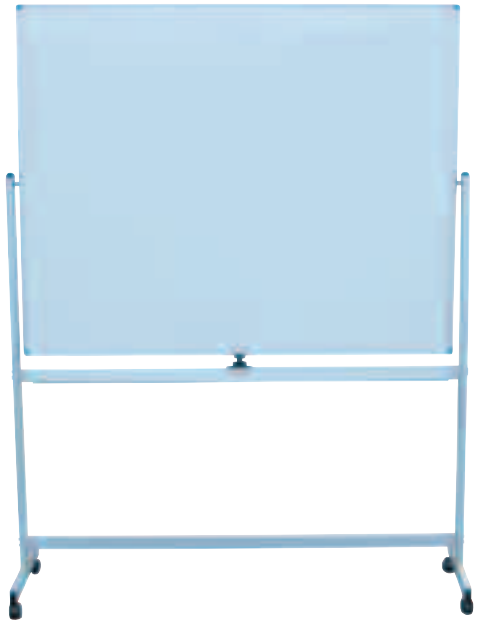


Type	Size	Order Code OFI-836
Magnetic	900 x 600mm	-0240K
	1200 x 900mm	-0250K
Non-magnetic	600 x 300mm	-0340K
	900 x 600mm	-0260K
	1200 x 900mm	-0270K

Mobile Magnetic Drywipe Boards

Stylish and modern aluminium-framed mobile whiteboard to complement all conference and meeting rooms. Magnetic surface. Whiteboard is suspended on a horizontal pivot and mobility is provided by four leg castors. Complete with pen tray.

Available in two sizes:
1200 x 900mm and 500 x 1200mm.



Size (mm)	Order Code OFI-836
1200 x 900	-0360K
1500 x 1200	-0370K

Magnetic Markers

Round flat top magnets for use on magnetic planning boards, white boards or easels. Supplied in packs of 10.



Diameter	Colour	Order Code OFI-836
20mm	Assorted	-0500K
35mm	Assorted	-0510K

Folding Magnetic Drywipe Board

Silver trimmed folding whiteboard.

Dimensions:
1200 x 900mm with two folding end panels which double the display area. Panels can be closed; useful for concealing sensitive information, for example. Includes pen tray and wall fixings.



Size (mm)	Order Code OFI-836
1200 x 900	-0350K

Adhesive Gridding Tape

Non-Magnetic vinyl tape, ideal for creating any form of grid, table or guide lines on drywipe and magnetic boards.

Length: 16.5m
Colour: black.



Description	Size (mm)	Order Code OFI-836
Gridding Tape	1.50 x 16.5	-0480K
	3.00 x 16.5	-0490K
Dispenser for Tape		-0520K

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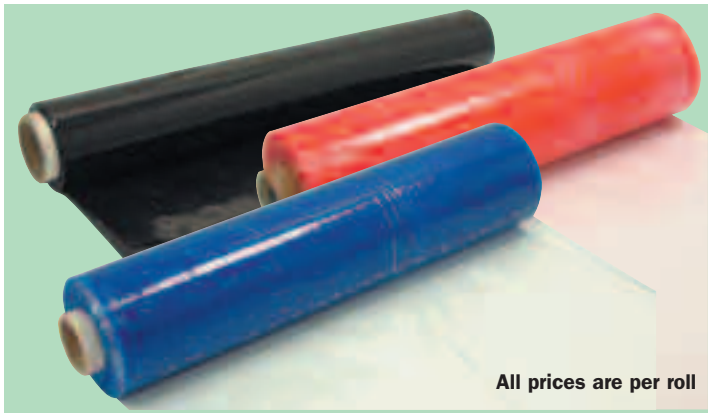
AVON Blown Stretch Wrap

For wrapping and stabilising pallet loads. Protects from weather and dust whilst in transit or storage. Sticks only to itself and not the wrapped items. All case quantities are per six except 100mm x 150m which are per 48.

All rolls have extended cores.



All prices are per roll

Roll Size	Thickness (Micron)	Colour	Order Code AVN-837
100mm x 150m	17	Clear	-0520K
	20	Clear	-0530K
	22	Black	-0620K
400mm x 200m	34	Clear	-0680K
400mm x 300m	15	Clear	-0540K
	17	Clear	-0550K
	20	Clear	-0560K
	25	Black	-0570K
	17	Red	-0580K
	17	Blue	-0590K
500mm x 300m	20	Clear	-0670K
500mm x 200m	35	Clear	-0660K
400mm x 300m (Extended Core)	17	Clear	-0600K
	20	Clear	-0610K

High Yield Hand Stretch Wrap

Ideal for wrapping uniform shaped pallet loads where cost is a concern. The lower micron high yield stretch wrap will perform as well as higher micron blown stretch wrap on uniform low to medium weight pallet loads. Used to protect and stabilise pallet loads, prevents split deliveries and damage from weather and dust whilst in transit or storage. Sticks only to itself and not the wrapped items.



Roll Size (mm x m)	Thickness	Case Qty	Order Code AVN-837
400 x 300	12 Micron	6 rolls	-0700K

Stretch Wrap

Avon Q-Lite the innovative pre-stretched film makes wrapping pallets easier and more efficient. There is no need to stretch the film to get maximum load holding. Operators will appreciate the ease withwhich Q-Lite can be applied. Q-Lite allows you to reduce waste, as the characteristics of the film mean that lost and broken ends (edge hang-up) are virtually eliminated and the film can be used to the very end of the roll.



Roll Size	Thickness (Micron)	Order Code AVN-837
400mm x 600m	8	-1830K
450mm x 600m	8	-1840K

Stretch Wrap Dispensers



Adjustable Dispenser
Strong, lightweight aluminium base and core cover.
Can be adjusted from 12" to 20" with a foam grip handle.

Capacities: stretch wrap width 12" to 20".
Core sizes: 1½", 2" and 3".

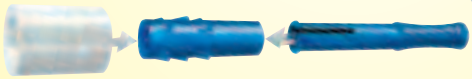
Adjustable

Standard Dispenser
For 400/500mm stretch wrap on 38/50/75mm core.
Weight: 1.45kg.



Mini Dispenser
Using coreless stretch wrap means no wastage saving money - up to 17.5% savings per reel compared to a mini reel with a core. Saves time when changing reels - no core to remove from dispenser.





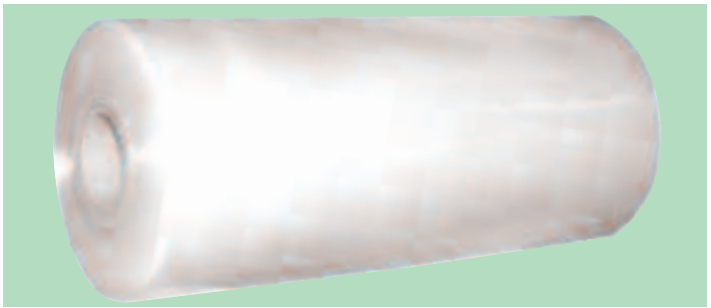
Description	Order Code AVN-834
Standard Dispenser	-0130K
Adjustable Dispenser	-0110K
Mini Dispenser	-0070K

Machine Stretch Film

Cast film is extruded as a flat sheet, resulting in higher outputs than blown film extrusion. Cast film predominates in machine applications and generally has superior optical properties of clarity and gloss.

Standard Cast Film
Will stretch in excess of 140%. For use on standard wrapping machines.

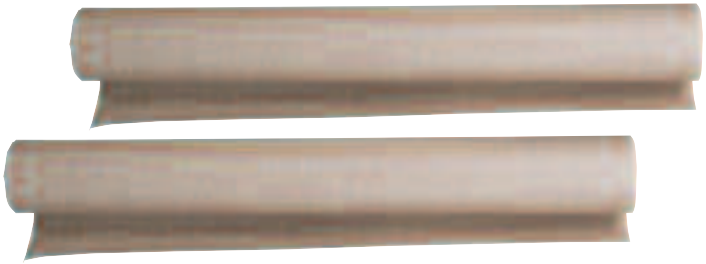
Super Power Pre-Stretch Film
Will stretch in excess of 250% when used on a power pre-stretch machine.



Grade	Roll Size	Thickness (Micron)	Order Code AVN-837
Standard	500mm x 1350m	23	-1910K
Super Power	500mm x 1550m	20	-1920K

Waxed Kraft Paper Rolls

A water-resistant paper made by waxing on both sides, frequently used for the wrapping of engineering components.



Size	Order Code AVN-830
900mm x 100m (55gsm)	-0260K

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AVON Polythene Bags (Plain)

Heavy duty food grade polythene bags to suit all of your packaging requirements.



Size (mm)	Size (inch)	Pack Quantity	Order Code AVN-837
230 x 300	9" x 12"	250	-1315K
400 x 500	15" x 20"	100	-1370K
610 x 910	24" x 36"	100	-1400K

Gripseal Polythene Bags - Plain

Plain gripseal bags.
Medium duty.
Pack of 1000.

PACK OF 1000



Size (mm)	Size (inch)	Order Code AVN-837
38 x 40	1½" x 2½"	-1420K
223 x 280	8" x 11"	-1520K
250 x 350	10" x 14"	-1540K
400 x 500	15" x 20"	-1570K

Gripseal Polythene Bags - Write On

Gripseal bags with three write-on stripes.
Medium duty.
Pack of 1000.

PACK OF 1000

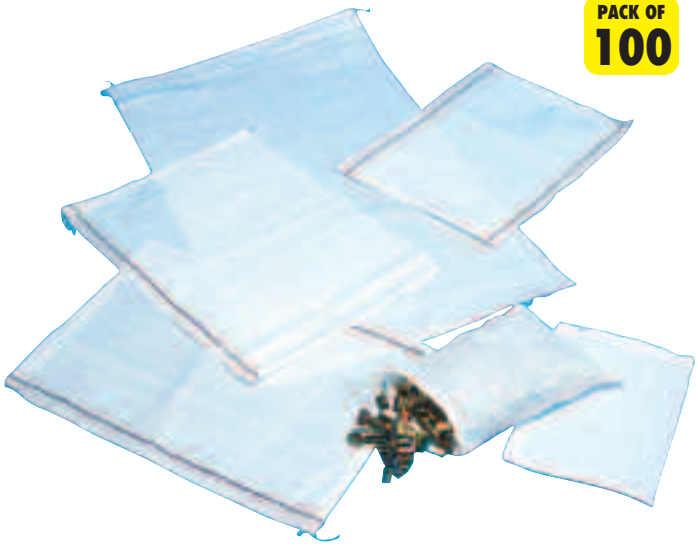


Size (mm)	Size (inch)	Order Code AVN-837
57 x 57	2¼" x 2¼"	-1580K
75 x 86	3" x 3⅜"	-1590K
90 x 115	3½" x 4½"	-1610K
100 x 140	4" x 5½"	-1620K
127 x 190	5" x 7½"	-1630K
150 x 230	6" x 9"	-1640K
203 x 280	8" x 11"	-1650K
255 x 355	10" x 14"	-1660K

Woven Polypropylene Sacks

A material made by weaving polypropylene tapes in two directions to form a lightweight breathable fabric suitable for grains, seeds, minerals, sand and other products. Woven polypropylene bags offer the best packaging for a large variety of products in industries such as agriculture, chemical, mining, building materials, and construction. Woven polypropylene bags offer economy, better protection, weight savings, and greater strength than other available packaging.

PACK OF 100



Size (mm)	Size (inch)	Order Code AVN-918
230 x 310	9" x 12"	-0020K
310 x 460	12" x 18"	-0030K
380 x 500	15" x 20"	-0040K
460 x 620	18" x 24"	-0050K
620 x 1000	24" x 40"	-0060K

Sack Tying Tool

The tying tool to quickly and easily twist the tie around the neck of the sack to seal it.



Description	Order Code AVN-835
Sack Tying Tool	-0790K

Sack Ties

PVC coated stainless steel sack ties, for use on polypropylene woven sacks and polythene sacks. Made from 1.2mm thick wire. Each tie is looped at each end. Sold in bundles of 1000 ties. These are easily applied with a sack tying tool sold separately.

PACK OF 1000



Size	Order Code AVN-835
150mm (6")	-0800K
200mm (8")	-0810K
230mm (9")	-0820K

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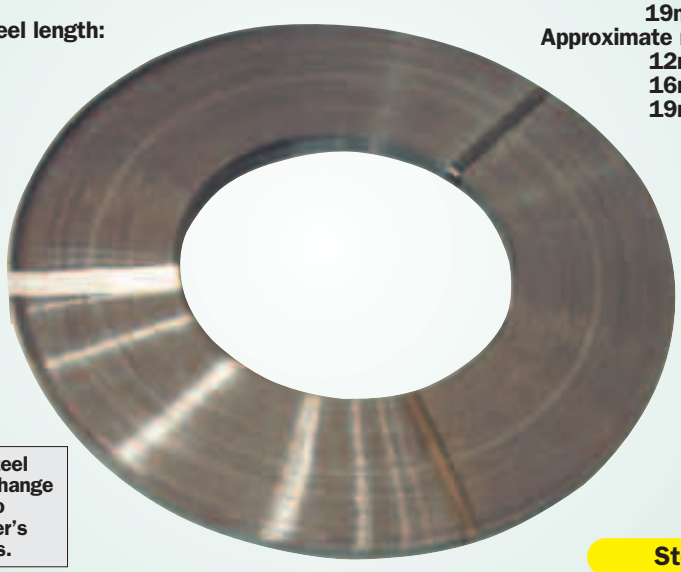
AVON Steel Hand Banding Ribbon

Ribbon: Each layer is wound directly over the one below, so that the width of coil is the width of strap. 0.5mm thickness.

Approximate breaking strain:
12mm: 561kg,
16mm: 714kg,
19mm: 846kg.
Approximate reel length:
12mm: 330m,
16mm: 334m,
19mm: 335m.

Mill Wound: Each layer oscillates across the layer below, uniformly and tightly across the 63.5mm width of the coil. 0.5mm thickness.

Approximate breaking strain:
12mm: 561kg,
16mm: 714kg,
19mm: 846kg.
Approximate reel length:
12mm: 965m,
16mm: 763m,
19mm: 643m.



Prices for steel banding may change subject to manufacturer's surcharges.

Steel

Ribbon Wound

Width x Length	Order Code AVN-837
12mm x 330m	**-1730K**
16mm x 334m	**-1740K**
19mm x 335m	**-1750K**

Mill Wound

Width x Length	Order Code AVN-837
12mm x 965m	**-1760K**
16mm x 763m	**-1770K**
19mm x 643m	**-1780K**

AVON Polypropylene Banding

Polypropylene plastic banding supplied on reels suitable for hand banding. Black, packed individually.

Width: 12mm.
Approximate breaking strain:
R13: 130kg,
R21: 210kg, **R30:** 300kg.



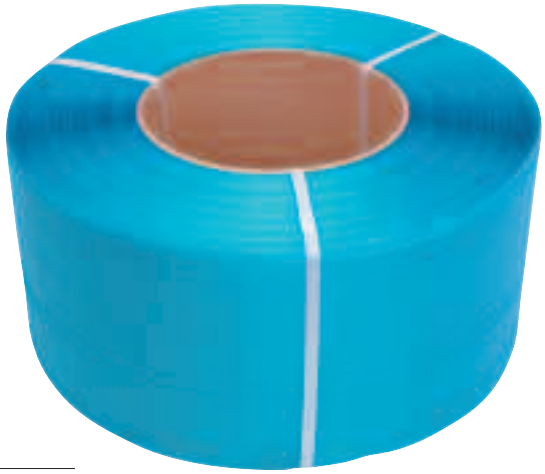
Polypropylene

Type	Length (m)	Order Code AVN-837
R13	2000	**-1800K**
R21	1300	**-1810K**
R30	1000	**-1820K**

Machine Quality Polypropylene Banding

Suitable for use on automatic strapping machines. Supplied on 200/190mm cardboard cores 0.55mm thick.

Colour: blue.
Breaking strain: 130kg*.



Polypropylene

*All breaking strains are approximate.

Width x Length	Order Code AVN-837
12mm x 3000m	**-1790K**

Steel Sealer

Suitable for use with 13mm, 16mm or 19mm seals. Use in conjunction with Tensioner (AVN-835-0880K).

Capacity: 19mm.



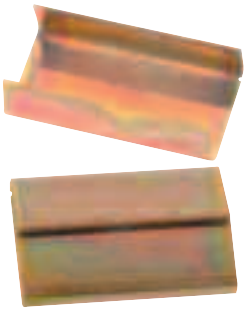
Capacities	Order Code AVN-835
13, 16 & 19mm	**-0890K**

Seals

Zinc finish.

Snap On: Placed over the overlapping strap ends.

Lap Over: Must be threaded onto strap before tensioning.



Type	Pk Qty	Size (mm)	Order Code AVN-835
Snap on	1000	12	**-0710K**
	1000	16	**-0720K**
	1000	19	**-0730K**
Lap over	4000	12	**-0740K**
	2500	16	**-0750K**
	2000	19	**-0760K**

Strapping Tensioner - Polypropylene

Robustly built non-slip ratchet tensioner with cutter for polypropylene strapping. Can be used horizontally to palletise goods. For use along side crimpers.

Capacity: 12 - 15mm



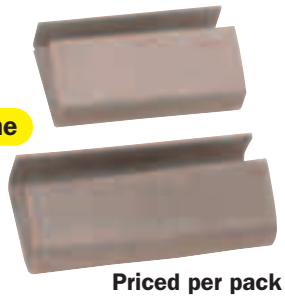
Capacity	Order Code AVN-835
12 -15mm	**-0880K**

Polypropylene Banding Seals

For securing polypropylene banding around objects.

Width: 12mm.

Polypropylene



Priced per pack

Type	Pk Qty	Order Code AVN-835
Plain		
Standard	2000	**-0690K**
Heavy	2000	**-0700K**
Serrated		
12mm	1000	**-0770K**
16mm	1000	**-0780K**

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AVON Polyester Strapping

A low creep factor enables excellent retention of applied load, while ease of application and disposal enables fast efficient packaging by manual or automatic process.



Extruded Polyester

Width x Length	Order Code AVN-837
12.0 x 0.60mm x 2500m	-0480K
12.0 x 0.68mm x 2200m	-0490K
15.5 x 0.68mm x 1750m	-0500K

Woven Polyester Strapping

Woven polyester strapping with almost the strength of steel banding and unaffected by extremes of temperature. Can be re-used when secured with metal buckles.

Core size: 78mm.

Woven Polyester



Width x Length	Breaking Strain	Order Code AVN-837
13mm x 1100m	375Kg	-1860K
16mm x 850m	450Kg	-1870K
19mm x 600m	550Kg	-1880K

Polypropylene Strap & Seal Kit

Portable polypropylene strap and seal kit for general duty strapping and bundling tasks. Pull out and cut the polypropylene strapping to the required length, place a seal over the overlapping strap ends and close with a strapping sealer or combination tool. Perfect for solving smaller packaging, bundling and stability problems.

Kit contains: 1x coil of polypropylene strapping, size 12mm x 800m in a cardboard dispenser box. 300 semi-open metal seals.



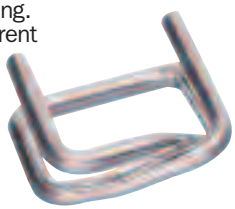
Polypropylene

Size (Width x Length)	Order Code AVN-835
12mm x 800m	-0870K

Strapping Buckles

Galvanised buckles for use with polypropylene and composite strapping. Available in three different thicknesses.

Box quantity: 1000 buckles.



Buckle Size	Wire Thickness	Order Code AVN-835
13mm	3.3mm Ø	-0840K
16mm	3.5mm Ø	-0850K
19mm	3.8mm Ø	-0860K

Static Strapping Dispenser

Static strapping dispenser for use with woven cord polyester strapping. Rear mounted plastic box ensures seals and tools are always at hand.



Woven Polyester

Description	Order Code AVN-835
Static Dispenser	-0830K

Expandable Corner Edge Protectors

Solid plastic closed corner protectors are a cost effective way of protecting vulnerable corners during transit. Ideal for use on tables, desks, doors, signs, mirrors, furniture etc.

Medium size: 16 - 40mm.
Large size: 35 - 70mm.



Size	Pack Qty	Order Code AVN-835
Medium	1000	-0910K
Large	250	-0920K

Edge Protectors

Plastic pallet load edge protectors help stop the straps from getting cut whilst also protecting the products on the pallet from the strap tension.



Size	Pk Qty.	Order Code AVN-830
Small	1000	-0290K
Medium	1000	-0300K
Large	1000	-0310K

Closed Corner Edge Protectors

Solid plastic closed corner protectors are a cost effective way of protecting vulnerable corners during transit. Ideal for use on tables, desks, doors, signs, mirrors or furniture etc.



Size (mm)	Pack Qty	Order Code AVN-830
60 x 60 x 15	1000	-2250K
60 x 60 x 18	1000	-2260K
60 x 60 x 22	850	-2270K
60 x 60 x 28	700	-2280K

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AVON Telescopic Squared Tube Packaging

Telescopic-style plastic packaging with ratchet mechanism to accommodate tools of varying lengths and sizes . Strong, durable and resistant to oil and moisture. Available in a range of sizes (16mm-55mm) and two adjustable lengths (80-120mm and 120mm-200mm).

Pack of 50.

Colour: red.

NEW



Pack Qty	Size (W x H)	Length (mm)	Order Code AVN-837
50	16 x 16	80 - 120	-2010K
	20 x 20	80 - 120	-2020K
	26 x 26	80 - 120	-2030K
	20 x 20	120 - 200	-2040K
	24 x 24	120 - 200	-2050K
	26 x 26	120 - 200	-2060K
	32 x 32	120 - 200	-2070K
	35 x 35	120 - 200	-2080K
	45 x 45	120 - 200	-2090K
	55 x 55	120 - 200	-2100K

Packaging with Detachable Units

Versatile packaging combining single unit with multiple packaging. Detachable units avoid time consuming packing of single items. Any number of single units possible - simply detach as required Made from polypropylene these are strong, durable and resistant to oil and moisture.

Available in five piece packs of 50.

Colour: red.

NEW



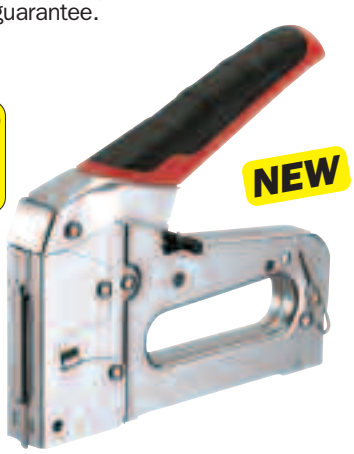
Size (W x L) mm	Pack Quantity	Order Code AVN-837
8 x 104	50	-2110K
10 x 105	50	-2120K
12 x 114	50	-2130K

Heavy Duty Professional Metal Tacker

All Steel construction with lock function, Ideal for wood, carpet and plastic. Takes 6 - 14mm staples. Four year guarantee.

No. 140 6 - 14 (mm)

NEW



Staple Size	Order Code AVN-838
6 - 14mm	-0040K

Heavy Duty Staple Remover

Toughened steel head and support to remove almost all staples. Large ergonomic plastic handle for comfort grip. Wide footprint provides good leverage and reduces risk of surface damage.



NEW

Model Number	Order Code AVN-838
ST001	-0050K

Heavy Duty Hammer Tacker

Suitable for a variety of applications including carpet fitting and roof felting. Manufactured from heavy duty steel with a chrome finish and comfortable rubber grip. For use with 140 staples.

NEW



No. 140 10mm

Model Number	Order Code AVN-838
R311	-0020K

Heavy Duty Chrome Staple Gun

Manufactured from heavy duty steel with a chrome finish. Easy squeeze handle. Jam-proof mechanism. For use with 140 staples. Supplied with 400x 1.2 x 8mm staples.

No. 140 8mm

Supplied with 400 Staples

NEW



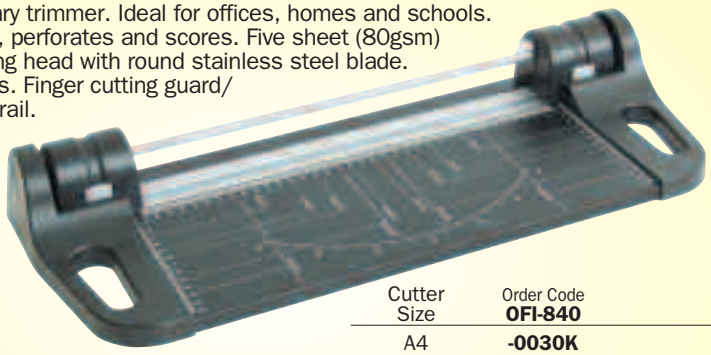
Staple Size	Order Code AVN-838
1.2 - 8mm	-0010K

Offis 4-in-1 Rotary Trimmer

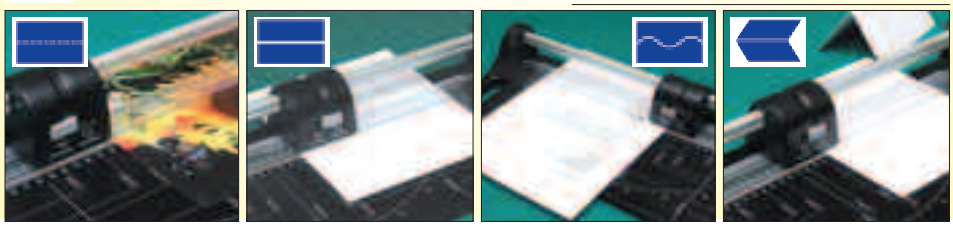
A multi-functional rotary trimmer. Ideal for offices, homes and schools. Straight-cut, wave-cut, perforates and scores. Five sheet (80gsm) capacity. Safety cutting head with round stainless steel blade. Visual positioning aids. Finger cutting guard/ transparent pressing rail. Non-slip rubber feet.

Max cut length: 300mm.

A4



Cutter Size	Order Code OFI-840
A4	-0030K



Metal Handle Staple Gun

Multi purpose gun, plastic body and metal handle. Ideal for home and light duty repairs. Takes 4 - 8mm staples.

No. 53 4 - 8 (mm)

NEW



Staple Size	Order Code AVN-838
4 - 8mm	-0030K

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OXFORD PRECISION Portable Bench Scales

Suitable for office, postroom or stores applications, the scales are mains or battery powered (4x AAA batteries not included). Featuring a large, clear digital display, dual reading (metric or imperial), and self-levelling, anti-slip rubber feet.



Model Number	Maximum Capacity	Order Code OXD-844	
OPB60	60kg	**-5340K**	**N/A**
OPB120	120kg	**-5380K**	**N/A**

Suspended Weighing Scales

The Oxford range of weighing equipment provides you with a choice of capacity and accuracy to suit the majority of purposes. These sturdy scales have a dual-reading dial protected by a plastic cover. With a capacity of up to 25kg/55lb they are ideal for workshops, schools and offices and have a zero setting of ±15% with accuracy to one part in 250. It comes complete with top and bottom chrome vanadium hooks.

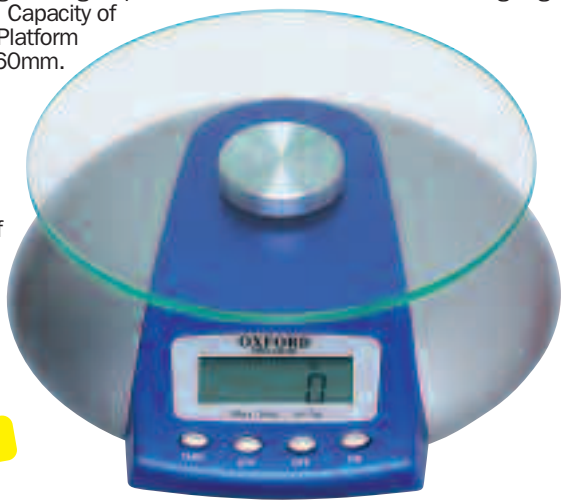


Model Number	Maximum Capacity	Order Code OXD-844	
55-25M	25kg	**-3500K**	**N/A**

Glass Top Digital Platform Scales

LCS03

Stylish and hygienic digital platform scales. ideal for accurate weighing of ingredients. Capacity of 5000g/11lb. Platform diameter of 160mm. Tare weight function. Overload indication. Low voltage alarm. Auto power off after 90 seconds.



Capacity	Platform Size	Order Code OXD-844	
5000g/11lb	160mm	**-2840K**	**N/A**

Electronic Weigh & Count Scales

Suitable for office, postroom or stores applications, the scales are designed to run on mains power or rechargeable battery (included). The large digital display is easy to read and metric or imperial readings can be selected.



Maximum Capacity	Order Code OXD-844	
6kg	**-2040K**	**N/A**
15kg	**-2070K**	**N/A**

Electronic Weighing Scales

Suitable for office, post room and stores applications. Digital display. Designed to run on mains power via the 12Vdc 650mA AC adaptor provided or the 6V4AH rechargeable battery (included). Units will run up to 20 hours on a single full charge.

Model WS-6E:
Capacity: 6kg/12lb.
Graduation:
0.001kg/0.002lb.

Model WS-15E:
Capacity: 15kg/31lb.
Graduation:
0.002kg/0.005lb.



Model Number	Maximum Capacity	Order Code OXD-844	
WS-6E	6kg	**-2200K**	**N/A**
WS-15E	15kg	**-2220K**	**N/A**

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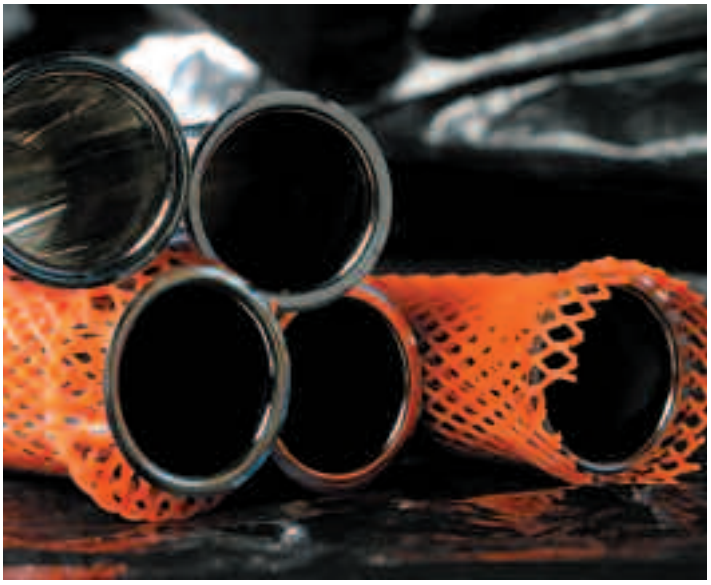
AVON Global Protective Sleeving

Exceptional, effective and economical protection for all kinds of products.

- Ideal protection for machined components during production and storage.
- Also widely used to protect ceramics, glass and other fragile components/products through storage and distribution.• Designed to help prevent both surface and impact damage.
- 'Cushion' products during transportation. • 6 colour-coded sizes.
- High stretch capability handles products/components up to 400mm diameter.
- Exceptional formability and flexibility means irregular and intricate shapes can be protected.
- Supplied in purpose-designed dispenser cartons.



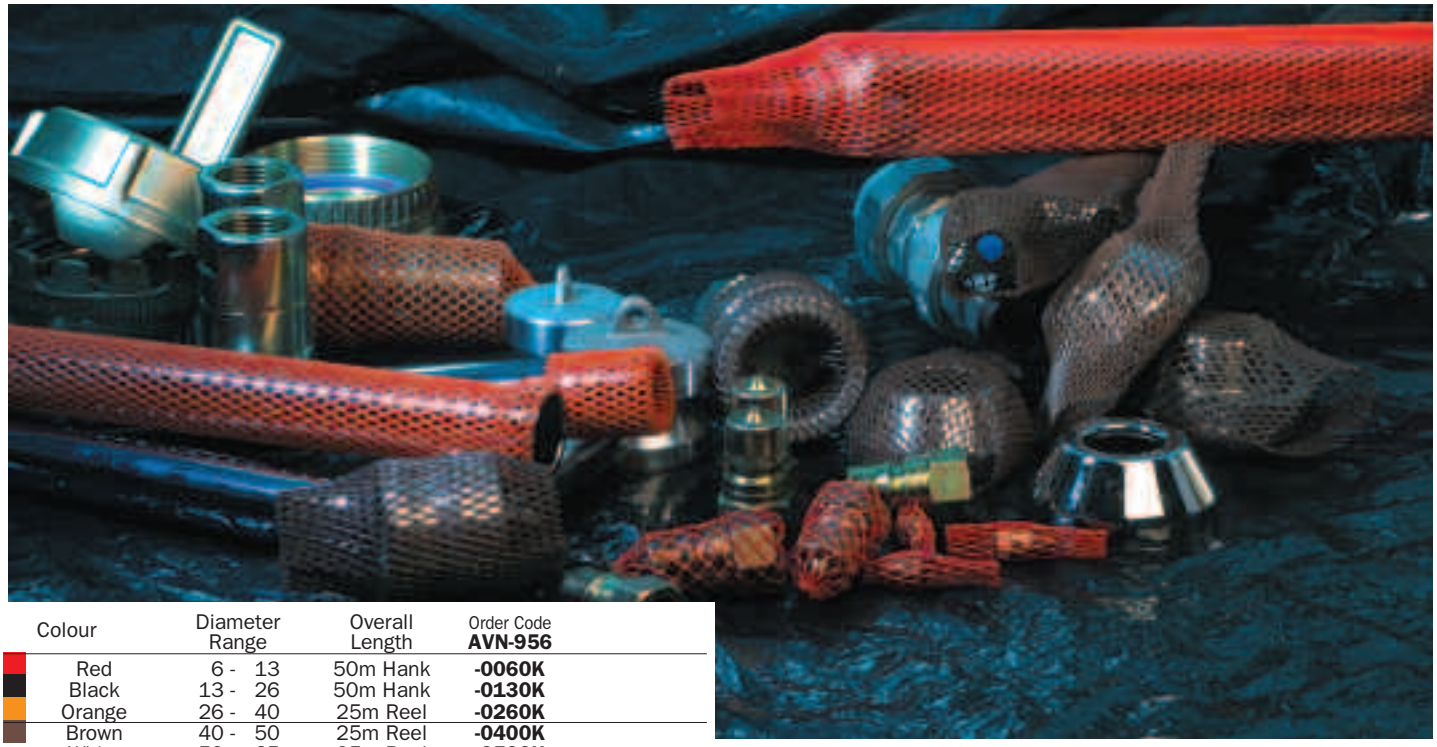




Colour	Diameter Range	Overall Length	Order Code AVN-956
Orange	6 - 17	250m Reel	**-4260K**
Black	10 - 25	250m Reel	**-4130K**
Violet	25 - 60	50m Reel	**-5500K**
Red	50 - 100	50m Reel	**-4060K**
Yellow	100 - 200	50m Reel	**-4800K**
Royal Blue	200 - 400	50m Reel	**-5000K**

Superior Protective Sleeving

- Sleeving is manufactured from inert and chemical-resistant polymers.
- Neat and easy to use at any stage of the manufacturing/distribution process.
- Can stay in place through to end use and can 'add value' at retail. • Heavy gauge/small aperture. • High level protection.
- 11 colour-coded sizes. • Tried and tested over many years.



Colour	Diameter Range	Overall Length	Order Code AVN-956
Red	6 - 13	50m Hank	**-0060K**
Black	13 - 26	50m Hank	**-0130K**
Orange	26 - 40	25m Reel	**-0260K**
Brown	40 - 50	25m Reel	**-0400K**
White	50 - 65	25m Reel	**-0500K**
Grey	65 - 80	25m Reel	**-0650K**
Yellow	80 - 100	25m Reel	**-0800K**
Blue	100 - 125	25m Reel	**-1000K**
Green	125 - 160	25m Reel	**-1250K**
Straw	160 - 190	25m Reel	**-1600K**
Royal Blue	190 - 225	25m Reel	**-1900K**

High Stretch

Colour	Diameter Range	Overall Length	Order Code AVN-956
Pink	20 - 45	50m Hank	**-2200K**
Purple	40 - 80	50m Reels	**-2400K**
Green	75 - 125	25m Reels	**-2750K**

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AVON Clamp-on Tape Dispenser

Clamps to benches or work tops, for use with 75mm core tapes. Holds 1x 50mm width or 2x 25mm width tapes.



Product Number	Order Code AVN-979
CBD50	-1150K

Bag Neck Sealer

Can be used to seal food bags, storage bags and can also be used with flat plastic tubing. Heavy duty metal with a corrosion-resistant paint finish. Has a metal base with foam anti-slip pads fitted and can also be fixed to table or desk by four screws for stability. 10mm neck opening for use with tape up to 12mm wide x 66m on 75mm cores.



Core Diameter	Order Code AVN-979
75mm	-0010K

Vinyl Bag Neck Sealing Tape

Rolls of adhesive vinyl tape. 9mm wide x 66m in length on 75mm diameter cores. Can be used in many applications, but are mainly sold to be used with the neck bag sealer.

Pack quantity: 6 rolls.

PACK OF 6



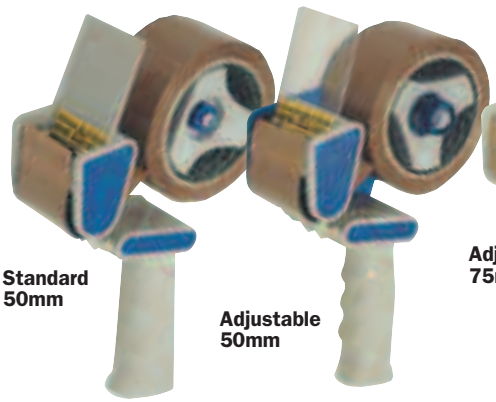


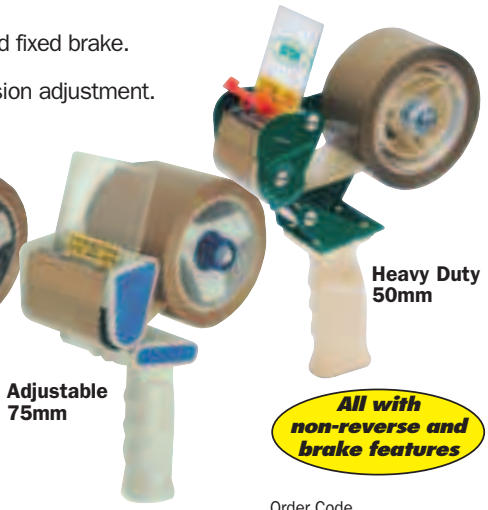
All prices are per pack

Colour	Order Code AVN-981
Blue	-2000K
Red	-2010K

Tape Dispensers

Sturdy construction with non-reversing plate and fixed brake.
For use with 76mm core tapes.
Available in two widths and with or without tension adjustment.





All with non-reverse and brake features

Type	Width	Order Code AVN-979
Standard Adjustable	50mm	-2400K -2420K
Spare Blade		-3010K
Spare Wiper		-3020K

Type	Width	Order Code AVN-979
Heavy Duty	50mm	-2360K
Spare Wiper		-3030K

Type	Width	Order Code AVN-979
Adjustable	75mm	-2440K

Desk Top Tape Dispensers

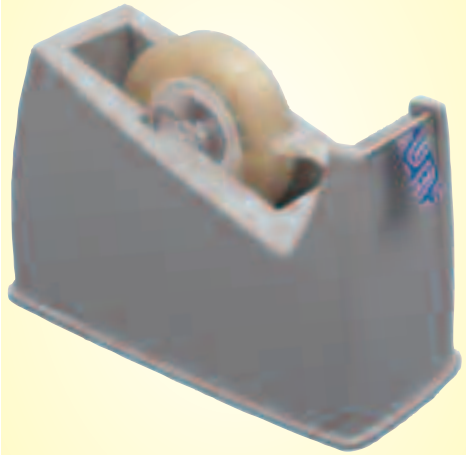
For use with standard 76mm core tapes up to 25mm wide.



Colour	Weight each	Order Code AVN-979
Red	1.357kg	-2160K
Blue		-2100K

KENNEDY Bench Top Dispenser

For use with 33mm core tapes up to 19mm wide. Weighted for fast one-hand use.



Type	Weight each	Order Code KEN-979
Bench Top	682g	-1080K

Cellulose Tape

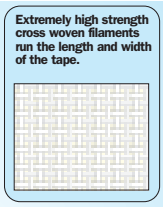
Clear, high grade conventional sticky tape. 76mm core.



Width x Length	Order Code AVN-981
12mm x 66m	-6380K
19mm x 66m	-6390K
24mm x 66m	-6400K
50mm x 66m	-6420K

Filament Tape

Clear polypropylene film, reinforced with glass fibre filaments which are cross-woven into an aggressive high shear adhesive. Gives high strength across the width as well as along its length. Used for heavy reinforcement, and high security carton sealing. Adheres to all paper, card and plastics.





Width x Length	Pack Quantity	Order Code AVN-981
19mm x 50m	64	-0060K
25mm x 10m		-0180K
25mm x 50m	48	-0010K
38mm x 50m	24	-0020K
50mm x 10m		-0190K
50mm x 50m	18	-0030K
75mm x 50m	18	-0040K
100mm x 50m	18	-0050K

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Selecting the right tape

Type of Tape	Description	Best For/Most Suitable Application	Adhesive Types
Vinyl (PVC)	Matt finish. Quiet coming off the roll. Slow release. Does not stretch. Can be torn by hand.	Long term storage. Easy to apply with dispenser. Best used at 18-21°.	Solvent - best long term adhesive.
Polypropylene	Shiny finish. Difficult to tear, requires dispenser or knife to cut. Noisy coming off the roll. Quick release. Does stretch.	Economical. High initial grab. Performs well in deep freeze conditions.	Solvent - best long term adhesive. Hot melt - solvent free adhesive. Acrylic - water based adhesive (environmentally friendly).
Low Noise Polypropylene	Shiny finish. Slow release. Can be torn by hand.	Combines to strength of polypropylene with the noiseless aspect of vinyl.	Solvent - best long term adhesive. Acrylic - water based adhesive (environmentally friendly).

AVON Polypropylene Carton Tape

Standard tape - competitively priced, widely used in all sorts of packing applications. With rapid release from the roll, best applied with a dispenser fitted with a brake.



EXTENDED RANGE

Colour	Order Code AVN-981
Roll Size: 50mm x 66m	
Buff	-1060K
Clear	-1070K
Roll Size: 72mm x 66m	
Buff	-5340K
Clear	-5350K

High Grade Vinyl Sealing Tape

An economic way to seal your cartons. Available in 35 and 65-micron for strength and toughness, the waterproof low-static vinyl film is impact resistant and has excellent adhesive strength.

Standard: 35 micron.
Heavy duty: 65 micron.
76mm core.
Roll size: 50mm x 66m.



Type	Order Code AVN-981
Standard	-2060K
Heavy Duty	-2260K

High Grade Vinyl Carton Tape

35 micron film thickness, silent and slow release. Can be torn using your fingertips, avoiding the need for a dispenser.
76mm core.
Roll size: 50mm x 66m.



Colour	Order Code AVN-981
Clear	-2070K

Printed Message Tapes

Printed vinyl tapes with low noise action and easy to read messages. Pre-printed with handing instruction and quality control information to warn carriers and ensure that your parcels and cartons are delicately handled, helping fragile goods or liquids to arrive safely.
Clearly printed red on a white background. Can be used with pistol grip or bench dispensers.

Size: 50mm x 66m.



Message	Order Code AVN-981
Fragile	-6200K
Handle with Care	-6210K
Caution	-6220K
'Glass' (Handle with Care)	-6230K
Scrap	-6240K
Passed	-6250K
This Way Up	-6260K

Message	Order Code AVN-981
QC Inspected	-6270K
QC Rejected	-6280K
QC Accepted	-6290K
Quarantine	-6300K
Awaiting Inspection	-6310K
Caution Liquids	-6320K
Reject	-6330K
Caution Heavy Package	-6340K

Price per roll

Coloured Polypropylene Tape

Standard tape - competitively priced, widely used in all sorts of packing applications. With rapid release from the roll, best applied with a dispenser fitted with a brake.

Size: 50mm x 66m.



Colour	Order Code AVN-981
White	-1080K
Red	-1090K
Blue	-1100K
Green	-1110K
Yellow	-1120K

'Low Noise' Polypropylene Packing Tape

Slow and almost silent release characteristics. Difficult to tear using just fingertips. For best results use in a dispenser fitted with a brake.

Roll sizes:
48mm x 66m. 28 microns.
75mm x 66m. 35 microns.

EXTENDED RANGE



Colour	Order Code AVN-981
Roll Size 48mm x 66m	
Buff	-5000K
Roll Size 75mm x 66m	
Buff	-5040K
Clear	-5050K

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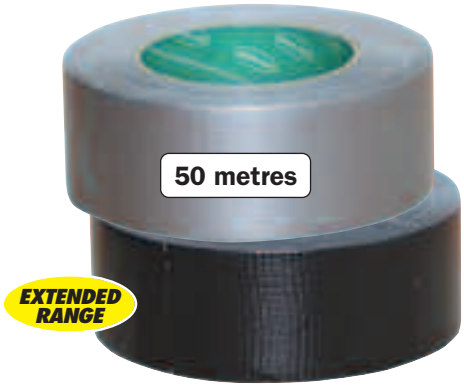
AVON Waterproof Cloth (Duct) Tape

Seals from air and completely waterproof - unaffected by humidity. Made from a lamination of polythene film cotton cloth and extremely strong rubber resin adhesive. Highly flexible and can be torn easily by hand. Can be cleanly removed when used for temporary repairs.
For applications where long term protection is required use 'Silver LT' tape.



Colour	Order Code AVN-981
Roll size 50mm x 10m	
Silver	**-3010K**
Black	**-3250K**
Roll size 50mm x 50m	
Silver	**-3060K**
Silver LT	**-0810K**
Black	**-3260K**
Roll size 75mm x 50m	
Silver	**-3070K**
Black	**-3280K**

Coloured Waterproof Cloth (Duct) Tape

Seals from air and completely waterproof - unaffected by humidity. Made from a lamination of polythene film cotton cloth and extremely strong rubber resin adhesive. Highly flexible and can be torn easily by hand. Can be cleanly removed when used for temporary repairs.

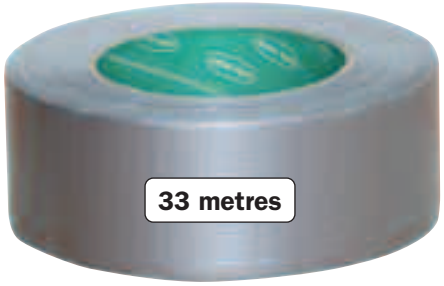
Roll size: 50mm x 50m.



Colour	Order Code AVN-981
Blue	**-3100K**
Green	**-3120K**
Red	**-3140K**
White	**-3160K**
Yellow	**-3180K**

Triple Strength Cloth Tape

Avon triple strength duct tape has a unique super aggressive adhesive bonding system that bonds to everything. Its unique polythene backing is tough and durable and 100% waterproof. Tape will not twist and curl like inferior tapes commonly found in today's market. Manufactured using the latest technology the tape will perform in extreme weather conditions and will never let you down!



Colour	Width x Length	Order Code AVN-981
Silver	50mm x 33m	**-5140D**
	75mm x 33m	**-5170D**

Pipe Repair Tape

Used for waterproofing connections. The top protective layer is peeled off and the rubbery self-amalgamating tape underneath is wrapped tightly around the connection to be waterproofed. Eventually, the layers of this tape will merge together and create a permanent waterproof seal. Can be used for fast, temporary repairs to hoses and water pipes. Completely water and UV-resistant. Used to joint and repair a wide range of power and distribution cables up to 46kV. For above and below ground.



Colour	Width x Length	Order Code AVN-981
Black	25mm x 10m	**-0940K**

S.O.S. Repair Tape

Self fusing tape creates an air and water tight seal. Resists fuels, oils, acids, solvents, salt water, road salt and UV rays.
Seals leaky hoses, pipes, and fittings.



Colour	Width x Length	Order Code AVN-981
Black	25mm x 3m	**-4010K**
Clear		**-4020K**
White		**-4030K**
Black	50mm x 3m	**-4060K**

Anti-Corrosion Tape

Grease impregnated petrolatum tape. Self-adhesive and waterproof.
British Gas approved. Requires minimal preparation. Flexible. Protects water and gas pipes, cables, mechanical joints, valves, metal surfaces and tensioning bars against corrosion. Effective for long term sealing and protection. Works above and below ground and under under water.
Conforms to **British Gas Standard BG/PS/CW2**.



Width x Length	Order Code AVN-981
50mm x 10m	**-7100K**
75mm x 10m	**-7110K**
100mm x 10m	**-7120K**
150mm x 10m	**-7130K**

Aluminium Foil Tape

4123
30 micron aluminium foil tape with liner and a high tack hot melt rubber adhesive.
Conforms to **BS 476 Part 6 Class 0** and **Part 7 Category 1**.
For joining foil-faced insulation panels and metal ducting.

Service temperature: -30°C to 85°C.



Width x Length	Order Code AVN-981
50mm x 45m	**-0070K**
75mm x 45m	**-0080K**

PVC Builder's Tape

Strong PVC builder's tape with versatile adhesive, ideal for jointing all PVC and polythene sheets and membranes, protecting door and window frames during plastering and painting and can also be useful for sealing bags and pallet wrappings for protection from the weather.



Colour	Width x Lengh	Order Code AVN-981
Black	50mm x 33m	**-0090K**
White		**-0100K**
Black	75mm x 33m	**-0110K**
White		**-0120K**

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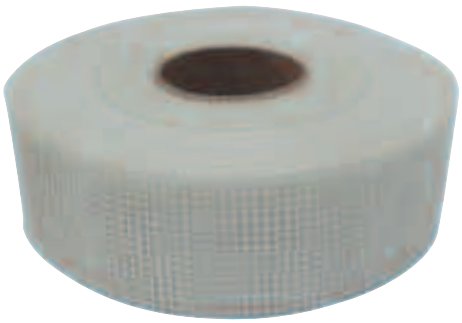
AVON Plasterboard Tape

Self-adhesive plasterboard fibreglass tape for fast application with a strong bond.
Won't tear, stretch, shrink or bubble, and helps prevent cracks in plaster finishes.

Colour: White.
Size: 50m x 90m.



Width x Length	Order Code AVN-981
50mm x 90m	**-0130K**

All-Weather Outdoor Tape

Clear all-weather tape is ideal for use when splicing polythene sheeting, repair of greenhouses, trailer curtains, tents and marquees.



Width x Length	Order Code AVN-981
50mm x 20m	**-0500K**

SENATOR QUALITY TOOLING General Purpose Masking Tape

An everyday masking tape that can be used on most surfaces. Ideal for masking, bundling and labelling. Temperatures up to 60 degrees.

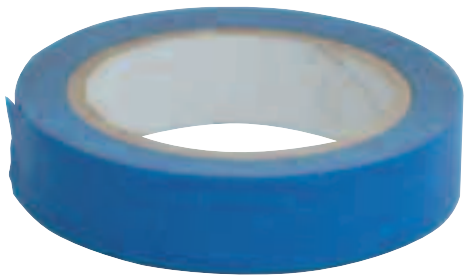


NEW

Width x Length	Order Code SEN-980
19mm x 50m	**-0019D**
25mm x 50m	**-0025K**
38mm x 50m	**-0038M**
50mm x 50m	**-0050R**
75mm x 50m	**-0075V**

14 Day Blue Masking Tape

A high quality blue creped paper masking tape with an acrylic adhesive. The special adhesive provides clean removability from a wide variety of surfaces for up to 14 days.



Width x Length	Order Code AVN-980
25mm x 10m	**-0030K**
25mm x 50m	**-0010K**
50mm x 10m	**-0040K**
50mm x 50m	**-0020K**

Masking Tape

Auto Grade
High grade. Easily removed.
Suitable for spray or paint masking and temperatures up to 150°F/80°C.



Width x Length	Order Code AVN-980
12mm x 50m	**-1020K**
19mm x 50m	**-1030K**
25mm x 50m	**-1040K**
38mm x 50m	**-1050K**
50mm x 50m	**-1060K**
75mm x 50m	**-1070K**

General-Purpose
Suitable for walls and glass.
Leaves no residue.
For use in temperatures up to 105°F/60°C.



Width x Length	Order Code AVN-980
19mm x 50m	**-2020K**
25mm x 50m	**-2030K**
38mm x 50m	**-2040K**
50mm x 50m	**-2050K**
75mm x 50m	**-2060K**

Hi-Bond Acrylic Double-Sided Tape

High bond double-sided tape that bonds metals, plastics and glass. Strong enough to replace rivets, bolts, welds and other mechanical fixings. Vibration resistant and weatherproof. Used throughout the sign and transportation industry for bonding panels and re-enforcement struts.



Colour	Thickness x Width	Order Code AVN-981
Roll Length 10m		
Grey	0.8 x 12mm	**-1710K**
	0.8 x 19mm	**-1720K**
	0.8 x 25mm	**-1730K**
Clear	1.0 x 12mm	**-1740K**
	1.0 x 19mm	**-1750K**
	1.0 x 25mm	**-1760K**
White	1.1 x 12mm	**-1770K**
	1.1 x 19mm	**-1780K**
	1.1 x 25mm	**-1790K**
Roll Length 33m		
Grey	0.8 x 12mm	**-1810K**
	0.8 x 19mm	**-1820K**
Clear	1.0 x 12mm	**-1840K**
	1.0 x 19mm	**-1850K**
	1.0 x 25mm	**-1860K**
White	1.1 x 12mm	**-1870K**
	1.1 x 19mm	**-1880K**
	1.1 x 25mm	**-1890K**

Ultimate Double-Sided Bonding Tape

For permanent bonds. Fibre reinforcement for improved strength.



Size	Order Code AVN-981
25mm x 5m	**-6110K**
50mm x 5m	**-6120K**

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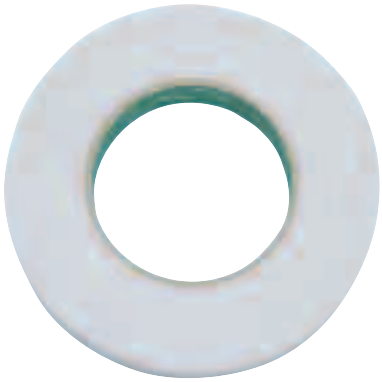
AVON Double-Sided Tape

Double-sided tissue tape with a high tack solvent acrylic adhesive. Hand tearable, good conformity, stable liner, excellent ultraviolet and plasticiser resistance. Ideal for bonding metal, nameplates, cloth and plastic surfaces.



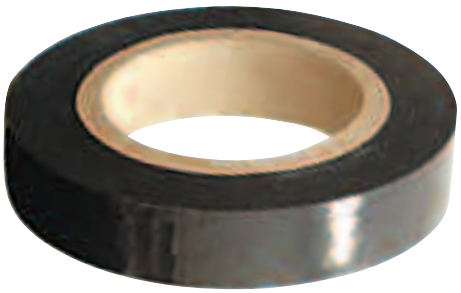
Width x Length	Order Code AVN-981
25mm x 10m	-5900K
25mm x 33m	-6010K
25mm x 50m	-5910K
50mm x 10m	-6030K
50mm x 33m	-6020K

Low Tac Tape

Black

An outdoor polythene low-tack protection tape. Suitable for use on mild steels, stainless steels and aluminium. Ideal for short term protection of UPVC and aluminium profiles, window frames and metal ladders.

Thickness: 0.08mm.
Tensile strength: 17n/cm.
Elongation: 350%.
Steel adhesion: 2.2n/cm.



Width x Length	Order Code AVN-981
25mm x 100m	-0805K

KENNEDY Low Tac Red Tape

Low adhesive strength tape. Suitable for temporarily positioning labels, etc. Can be peeled off without damaging the contact surface.



Width x Length	Order Code KEN-981
25mm x 66m	-6200K

Cutting Safety Knife

High impact plastic handle with enclosed blade to ensure maximum user safety. Suitable for left and right handed users.





Overall Length	Order Code AVN-537
154mm	-0020K

Fish 2000 Safety Knife

The safety knife has an enclosed blade within a 4.7mm gap and an auto-retracting hook blade, to ensure maximum user safety and to reduce accidental damage to the product in the carton being opened. It is suitable for both left and right-handed users.







Overall Length	Weight each	Order Code AVN-537
155mm	50g	-0010K

SENATOR QUALITY TOOLING Carton & Strap Cutter

For use on carton tape and plastic strapping. The blade is partially exposed to prevent accidental cuts.



Overall Length	Weight each	Order Code SEN-537
80mm	10g	-2000K

Carton Opener

For cutting through loading straps, extracting staples and slitting tape without damaging the contents. In-handle blade storage. Spring loaded blade guard, retractable slitting blade, complete with spare blade.

Overall length: 180mm.

NEW



Overall Length	Order Code AVN-537
180mm	-0030K

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GROUP 880 ARC (MMA) & TIG WELDERS



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GROUP 880 MIG/MAG WELDERS



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GROUP 885 GAS WELDING & CUTTING



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GROUP 885 WELDING ACCESSORIES



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GROUP 887 MIG WIRE



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GROUP 889 TIG TUNGSTEN ELECTRODES



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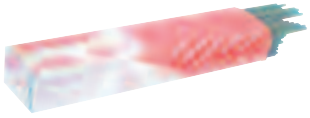
GROUP 891 ARC WELDING ELECTRODES



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WELDING

Product Groups 860 - 891

Contents

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

KENNEDY Lynx™ EAW-140 AC MMA Welder

LYNX

A portable 230V single phase arc welder suitable for use with rutile electrodes of 1.6 - 3.2mm diameter. Capable of welding mild steel up to 6mm. Featuring a stepless regulator for infinite variable control of the welding current with low current facility for effective welding of thinner materials. Highly efficient transformer maximises potential. Safety features include thermal overload protection and turbo fan cooling - enables the ability to weld at greater power for longer periods. Provides full portability, ease of use and convenience and superb value. Operates from a 230V 13 amp standard domestic socket. Heavy duty casing. Two year warranty.

Supplied complete with accessories, integrated carrying handle and 2m mains cable. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP21.



TURBO FAN COOLED

2 YEAR WARRANTY

LOW CURRENT

READY TO WELD

Contents:
- Lynx™ AC power supply.
- 1.8m primary cable, 10mm².
- 1.8m earth cable and 150A clamp.
- Hand held face shield with 51 x 107mm glass.
- Scratch brush and slag remover.
- Instruction manual.



Input voltage: 230V, 50/60Hz.
Fuse rating: 13A.
Phase: 1.
Power consumption: 2.5kW.
Output current range: 40A - 140A.
Open circuit voltage: 50V.
Dimensions (L x W x H): 270 x 250 x 310mm.

Product Number	Current Range	Weight each	Order Code KEN-880
Lynx™ EAW140	40A - 140A	14.8kg	-2020K

Cheetah™ EAW-160 AC MMA Welder

CHEETAH

A portable 230V single phase arc welder suitable for use with rutile electrodes of 2 - 4mm diameter. Capable of welding mild steel up to 8mm. featuring a stepless regulator for infinite variable control of the welding current. Highly efficient transformer maximises potential. Safety features include thermal overload protection and turbo fan cooling - enables the ability to weld at greater power for longer periods. Provides full portability, ease of use and convenience and superb value. Operates from a 230V 13 amp standard domestic socket. Heavy duty casing, two large diameter solid wheels. 2 year warranty.

Supplied complete with accessories, two large diameter solid wheels, integrated carrying handle and 2m mains cable. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP21.



Contents:
- Cheetah™ AC power supply.
- 1.8m primary cable, 16mm².
- 1.8m earth cable and 250A clamp.
- Hand held face shield with 51 x 107mm glass.
- Scratch brush and slag remover.
- Instruction manual.



Input voltage: 230V, 50/60Hz.
Fuse rating: 16A.
Phase: 1.
Power consumption: 2.5kW.
Output current range: 55A - 160A.
Open circuit voltage: 50V.
Dimensions (L x W x H): 585 x 325 x 425mm.

READY TO WELD

TURBO FAN COOLED

2 YEAR WARRANTY

Product Number	Current Range	Weight each	Order Code KEN-880
Cheetah™ EAW160	55A - 160A	17.4kg	-2040K

OSAKI POWER TOOLS Inverter Welder

BEST SELLER

MMA Mini Max
Weighing in at less than 5kg, this has to be one of the lightest welders on the market. Its light weight does not mean it is less capable, it is in fact extremely portable and more versatile. It can be used with all types of electrodes, rutile, basic, stainless etc. The machine also benefits from the following technical features: hot start, arc force, anti-sticking, thermal cut-out.

Duty cycle @ 100%: 50A.
Duty cycle @ 60%: 65A.
Duty cycle @ 40%: 70A.
Voltage: open circuit (no welding being carried out) 70V.
Voltage supply: 230V.
Dimensions (W x D x H): 100 x 215 x 150mm.

NEW





WEIGHS LESS THAN 5kg

FOR DIY USE
Not warranted for Industrial Use

Description	Weight each	Order Code OSA-279
Mini Max	1.8kg	-2000K

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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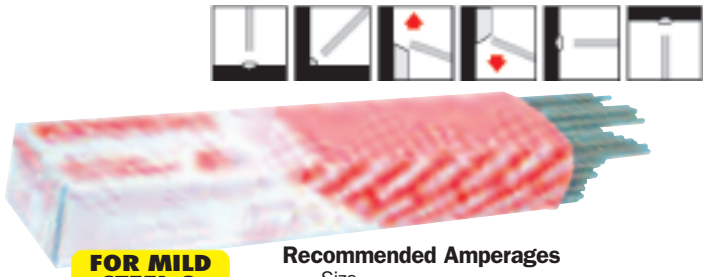
KENNEDY Electrodes for Mild Steels 6013

Arc welding rods for mild steel and medium tensile steels. Medium rutile coated, all positional rods.

Applications: for steel plate and strip including structural steels and pipe work, especially under site conditions. Superb finish with self-releasing slag.**N.B.** Suitable for AC (50V minimum open circuit) and DC +/-.



FOR MILD STEEL & C-Mn STEEL

Recommended Amperages

Size (mm)	2.5	3.2	4.0
Min.	70A	95A	130A
Max.	100A	125A	170A

Size (mm)	No. of Rods (per pack)	Weight (per pack)	Order Code KEN-891
2.50 x 300	260	5.0kg	**-3010K**
3.25 x 350	150	5.0kg	**-3020K**
4.00 x350	100	5.0kg	**-3030K**

Electrodes for Mild Steels

E7018 ('Low Hydrogen')
Basic coated, all positional rods.

Applications: for steel plate structural steels, pipe work and forgings. Ideal for repairs of casting and machinery, compensate for dilution effect of poor steels. Often used where rutile deposits may be at risk from cracking. **N.B.** Suitable for AC (70V minimum open circuit)and DC+. Optimum rooting operability is obtained using DC-.Conforms with **AWS** and **BS EN** standards..



FOR MILD STEEL & C-Mn STEEL

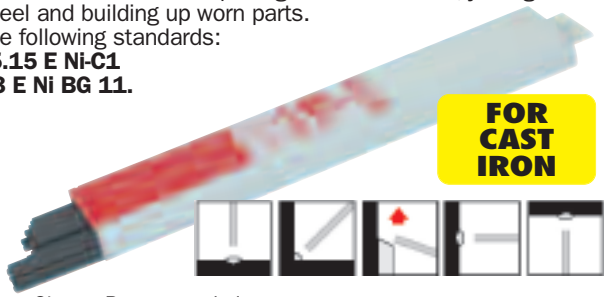
Recommended Amperages

Size (mm)	2.6	3.2	4.0
Min.	70A	95A	130A
Max.	100A	125A	170A

Size (mm)	No. of Rods (per Pk)	Weight (per Pk)	Order Code KEN-891
2.60 x 300	260	5.0kg	**-5110K**
3.20 x 350	150	5.0kg	**-5120K**
4.00 x 450	100	5.0kg	**-5130K**

Electrodes For Cast Iron

S-NFC
A Graphite coated iron-nickel alloy electrode for high strength jointing of cast iron and cold welding of cast iron, it deposits 95%Ni + 2%Fe weld metal. Can be used for repairing broken cast iron, joining of cast iron to steel and building up worn parts.
Meets the following standards:
AWS A 5.15 E Ni-C1
Din 8573 E Ni BG 11.



FOR CAST IRON

Type	Size (mm)	Recommended Amperage	Order Code KEN-891
S-NFC	2.5	70A	**-1220K**
	3.2	100A	**-1230K**
	4.0	145A	**-1240K**

Electrodes for Stainless Steels

316L
A Lime-Titania electrode giving excellent use ability and weldability, it deposits 19.5%Cr - 11.7%Ni - 2.5%Mo weld metal. The Austenite structure gives good crack resisting properties. For welding of extra-low carbon 18%Cr-12Ni-Mo stainless steel.

FOR STAINLESS



Recommended Amperages

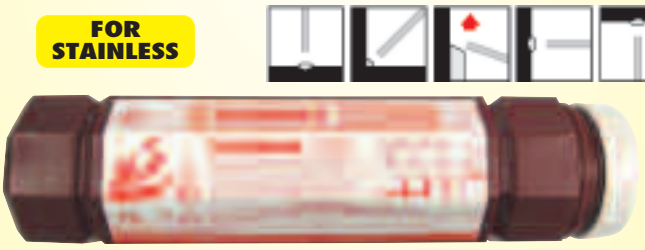
Size (mm)	1.6	2.0	2.6	3.2	4.0
Min.	20A	25A	50A	80A	120A
Max.	40A	55A	90A	125A	180A

Type	Size (mm)	Number of Rods (Per Pk)	Weight (per Pk)	Order Code KEN-891
316L	1.6 x 300	395	2.50kg	**-1100K**
	2.0 x 300	200	2.50kg	**-1110K**
	2.6 x 300	130	2.50kg	**-1120K**
	3.2 x 350	70	2.50kg	**-1130K**
	4.0 x 350	45	2.50kg	**-1140K**

S312 Stainless/Dissimilar Electrodes

A Lime-Titania electrode giving excellent use ability and weldability, it deposits 29%Cr + 9%Ni weld metal. The Austenite nature resists cracking and provides a superb buffer effect against outer stress. For bond welding of dissimilar metals such as stainless steel, carbon steel, low alloy steel and welding of stainless clad steel.

FOR STAINLESS



*** Sizes available on request**

Recommended Amperages

Size (mm)	1.6*	2.0*	2.6	3.2	4.0
Min.			50A	80A	120A
Max.			90A	125A	180A

Size (mm)	Number of Rods (Per Pk)	Weight (Per Pk)	Order Code KEN-891
2.60 x 300	260	2.50kg	**-1030K**
3.20 x 350	150	2.50kg	**-1040K**
4.00 x 350	100	2.50kg	**-1050K**

Twist Grip Short Stub Electrode Holders

Reduce fatigue and increase safety. All of the electrode is available for use and the angle allows the hand to remain away from the weld pool. The handle applies torque to the electrode clamp in the head.



Rating (Amps)	Handle Colour	Order Code KEN-885
400	Yellow	**-6010K**
400	Red	**-6110K**
600	Red	**-6130K**

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KENNEDY Jaguar PFC Multi Voltage Inverter Welder

JAGUAR

NEW

Now you can have all the portability and performance of an inverter welder with a wide input voltage range of 100-240v. With the Jaguar PFC multi-voltage inverter welder you can carry out MMA welding with rutile, basic, stainless steel and cast iron electrodes, as well as TIG welding with scratch striking.

The fan cooled unit can handle unstable voltages and offers stable output in the case of over/under voltages. It also allows for the use of long extensions (over 100m) and has Hot Start for easy starting, Arc Force for quality welds and Anti-Stick for reduced electrode sticking. Comes with carry case and accessories.

Power Supply: 110/230V (DC) 50/60Hz single phase
Current Fuse Rating: 150A
Duty Cycle @40 degrees C: 90A@25%, 140A@25%
Protection class: IP22
Dimensions (L x W x H): 385 x 150 x 265mm.



Description	Current	Voltage	Order Code KEN-880
Jaguar PFC	150A	230	**-3120K**

Cougar-S™ MMA Inverter Welder

COUGAR-S

Kennedy® Cougar-S EWT150S inverter welder is ideal for use with rutile, basic, stainless steel or cast iron MMA electrode welding using 1.6 - 4.2mm diameter rods including Tig-DC scratch.
Features of the Cougar-S ETW150S:
230V single phase mains supply.
Hot start - for easy starting.
Arc force - for quality welds.
Anti stick - reduces electrode sticking.
Fan cooled.

Dimensions (H x W x D): 240 x 305 x 130mm.



Description	Current	Voltage	Weight each	Order Code KEN-880
Cougar-S MMA	150A	230	7.3kg	**-3050K**

Group 732

Tig Tungsten Electrodes

All conform to **ISO 6848 (DIN EN 26848** and **AWS A5 12-92**.



0.8% Zirconiated White Tungsten Electrodes

Ideal for high precision, exceptional quality AC welding on aluminium alloys as it retains a balled tip and has a high resistance to contamination. The current carrying capability is equal or greater than that of thoriated tungsten. Non-radioactive.
Not suitable for DC welding.

Electrode Type	Diameter	Order Code KEN-889
Zirconiated White	1.6mm	**-0820K**
	2.4mm	**-0830K**
	3.2mm	**-0840K**
	4.0mm	**-0850K**

2% Ceriated Grey Tungsten Electrodes

Suitable for both AC and DC welding but performs exceptionally well at low current settings in DC welding. A popular non-radioactive replacement for 2% Thoriated Tungsten Electrodes as like the thorium electrodes they are best used to weld carbon, stainless steels, nickel alloys, copper and titanium alloys. Also ideal for small and delicate welding.

Electrode Type	Diameter	Order Code KEN-889
Ceriated Grey	1.6mm	**-0120K**
	2.4mm	**-0130K**
	3.2mm	**-0140K**

2% Thoriated Red Tungsten Electrodes

Most commonly used tungsten electrode. Suitable for both AC and DC welding on carbon, stainless steels, nickel, copper and titanium alloys. Preferred for their longevity and ease of use.

Electrode Type	Diameter	Order Code KEN-889
Thoriated Red	1.0mm	**-0510K**
	1.6mm	**-0520K**
	2.4mm	**-0530K**
	3.2mm	**-0540K**

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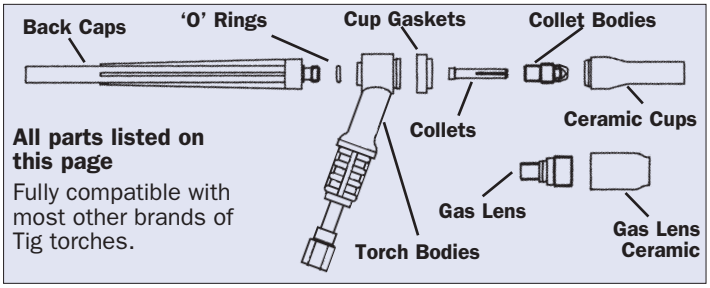
KENNEDY QUALITY INDUSTRIAL TOOLING

Tig Torches & Bodies



All parts listed on this page
Fully compatible with most other brands of Tig torches.

Tig Torches

Whether water or air cooled, all Kennedy Tig torches are lightweight and durable. They come supplied with a 12.5ft (3.8m) cable, and silicon rubber rigid or flexible head mouldings for greater heat resistance.



Tig Torches - Come complete with a 12.5ft 3.8m cable

Product Number	Type & Size	Order Code KEN-885
TTS017	Standard Rigid Head Tig Torch 150DC/120AC - Air Cooled	-3200K
TTF017	Flexible Head Tig Torch 150DC/120AC - Air Cooled	-3300K
TTS018	Standard Rigid Head Tig Torch 350DC/250AC - Water Cooled	-3220K
TTS026	Standard Rigid Head Tig Torch 200DC/160AC - Air Cooled	-3240K
TTF026	Flexible Head Tig Torch 200DC/160AC - Air Cooled	-3340K

Torch Bodies

Made from tough ABS plastic with a silicone rubber head for greater heat resistance and durability.

WP17	WP17 Standard torch body	-6500K
WP18	WP18 Standard torch body	-6520K
WP26	WP26 Standard torch body	-6540K
WP17FX	WP17 Flexi torch body	-6510K
WP26FX	WP26 Flexi torch body	-6550K

Back Caps

BIN**57Y**_ _ To suit WP17/18/26 torches.



Product Number	To Suit	Order Code KEN-885
57Y04	Short	-7710K
57Y02	Long	-7700K

AC/DC TIG Welding Spares Kit

Can be used in AC or DC processes. Excellent arc starts at low amperages, popular in such applications as orbital tube and pipe manufacturing, thin sheet metal work or jobs where small and delicate parts are welded. Like Thoriated electrodes, they are best used to weld carbon and stainless steels, nickel alloys and titanium.
Suitable for WP17, 18 and 26 Tig torches.

Contents:
5x 1.6mm collets,
5x 1.6mm collet bodies,
5x 2.4mm collets,
5x 2.4mm collet bodies,
2x No.4 ceramic cups,
2x No.5 ceramic cups,
2x No.6 ceramic cups,
2x No.7 ceramic cups,
2x No.8 ceramic cups,
1x long back cap,
1x short back cap,
1x 1.6mm ceriated grey tungsten electrode,
1x 2.4mm ceriated grey tungsten electrode.



Suitable For	Order Code KEN-885
WP17, 18 & 26 Tig torches	-3400K

Collets

10N_ _ To suit WP17/18/26 torches.



Product Number	Bore Size	Order Code KEN-885
10N22	1.0mm (0.040")	-7210K
10N23	1.6mm (1/16")	-7220K
10N24	2.4mm (3/32")	-7230K
10N25	3.2mm (1/8")	-7240K

Collet Bodies

10N_ _ To suit WP17/18/26 torches.



Product Number	Bore Size	Order Code KEN-885
10N29	0.5mm (0.020")	-7290K
10N30	1.0mm (0.040")	-7260K
10N31	1.6mm (1/16")	-7270K
10N32	2.4mm (3/32")	-7280K
10N28	3.2mm (1/8")	-7250K

Ceramic Cups - Standard Length

10N_ _ To suit WP17/18/26 torches.



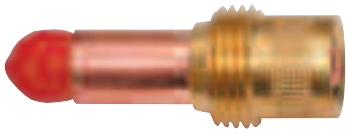
Product Number	Bore Size	Order Code KEN-885
10N50	1/4" (No. 4)	-7360K
10N49	5/16" (No. 5)	-7350K
10N48	3/8" (No. 6)	-7340K
10N47	7/16" (No. 7)	-7330K
10N46	1/2" (No. 8)	-7320K
10N45	5/8" (No. 10)	-7310K
10N44	3/4" (No. 12)	-7300K

Cup Gaskets

Product Number	To Suit	Order Code KEN-885
18CG	WP17/18/26	-7400K

Gas Lens Body

45V24/25/26/27
To suit WP17/18/26 torches.



Product Number	Bore Size	Order Code KEN-885
45V24	1.0mm (0.040")	-7500K
45V25	1.6mm (1/16")	-7510K
45V26	2.4mm (3/32")	-7520K
45V27	3.2mm (1/8")	-7530K

Gas Lens Ceramics

54N_ _ To suit WP17/18/26 torches.



Product Number	Bore Size	Order Code KEN-885
54N18	1/4" (No. 4)	-7640K
54N17	5/16" (No. 5)	-7630K
54N16	3/8" (No. 6)	-7620K
54N15	7/16" (No. 7)	-7610K
54N14	1/2" (No. 8)	-7600K
54N19	5/8" (No. 10)	-7650K

Gas Lens Heatshield

54N01



Product Number	Type	Order Code KEN-885
54N01	Gas Lens Heatshield	-7560K

WELDING

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KENNEDY Panther™ Dual Mig Welder

PANTHER

EMW-120

50A-120A (DC) Output range. A high power single phase welder that operates from a standard 240V household outlet. Automatic wire speed control with manual override. Professional torch with trigger-controlled power and gas prevents undesired arcing and gas wastage. Low current performance - able to deliver a 50A minimum output for welding thin material easily. Accepts both 0.7kg and 5kg spools for maximum portability and economy. Heavy duty redesigned case for durability combined with low weight and portability. Can be used for flux (no gas) and Mig/Mag (gas) welding. Supplied complete with a smooth action, twin roller feed unit, accessories, integrated carrying handle and 2m mains cable. Suitable for automotive, farm, maintenance and contractor use. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP21.
Welding capacity: steel wire: 0.6 - 0.8mm, stainless steel wire: 0.8mm, aluminium wire: 0.8mm, flux cored welding wire: 0.8 - 0.9mm. Maximum reel size 5kg.

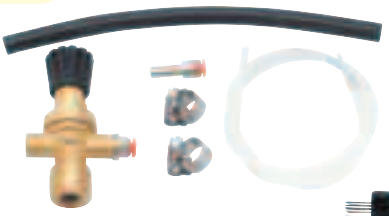


Contents:
- Panther™ EMW-120 power supply.
- 1.8m cable, 10mm².
- Earth clamp.
- 2m Mig torch.
- Flux cored wire coil 0.9mm x 0.2kg.
- Hand held face shield with 51 x 107mm glass.
- Scratch brush and slag remover.
- Instruction manual.

See page 708 for additional Torches

Input voltage: 230V, 50/60Hz.
Fuse rating: 10A.
Phase: 1.
Power consumption: 3.6kW max. (1.3kW @60%).
Output current range: 50A - 120A (DC).
Open circuit voltage: 30V.
Dimensions (L x W x H): 480 x 275 x 380mm.

Product Number	Current Range	Weight each	Order Code KEN-880
Panther™ EMW120	50A - 120A	24.0kg	**-1920K**





READY TO WELD
TWIN ROLLER FEED
TURBO FAN COOLED
LOW CURRENT
2 YEAR WARRANTY
COMPATIBLE WITH BINZEL® B15 TORCH SPARES
GAS NO GAS

Accessories:
Shielding gas for use with most Mig wires. Bottles shown are also suitable for use with Migmates and similar welders.

Connection Kit contains:
1x mini gas regulator,
1/16" ID x 600mm tube,
3/16" ID x 200mm tube,
1/16" x 3/16" hose reducer,
2x 8 - 12mm hose clips.

Gas Type	Contents	Order Code KEN-885
Connection Kit		**-2400K**

Description	Order Code KEN-884
Regulator	**-4010K**

Gas Bottles are Supplied Separately



Leopard™ Dual Mig Welder

LEOPARD

EMW-150

30A-145A (DC) Output range. Automatic wire speed control with manual override. Professional torch with trigger-controlled power and gas prevents undesired arcing and gas wastage. Extra low current performance - able to deliver a 30A minimum output for welding very thin material easily. Accepts 0.7kg or 5kg spools for maximum portability and economy. Heavy duty case for durability.
Can be used for flux (no gas) and Mig/Mag (gas) welding.
Supplied complete with a smooth action, twin roller feed unit, accessories, 2m mains cable. Suitable for automotive, farm, maintenance and contractor use. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP21.
Welding capacity: steel wire: 0.6 - 0.8mm, stainless steel wire: 0.8mm, aluminium wire: 0.8 - 1.0mm, flux cored welding wire: 0.8mm 1.2. Maximum reel size 5kg.



Contents:
- Leopard™ EMW-150 power supply.
- 1.8m cable, 10mm².
- Earth clamp.
- 2m Mig torch.
- Flux cored wire coil 0.9mm x 0.2kg.
- Hand held face shield with 51 x 107mm glass.
- Scratch brush and slag remover.
- Instruction manual.

See page 708 for additional Torches

Input voltage: 230V, 50/60Hz. Single phase.
Power consumption: 3.7kW max. (1.4kW @60%).
Fuse rating: 16A.
Output current range: 30A - 145A (DC).
Open circuit voltage: 31V.
Dimensions (L x W x H): 680 x 285 x 410mm.

Product Number	Current Range	Weight each	Order Code KEN-880
Leopard™ EMW150	30A - 145A	27.5kg	**-1940K**



READY TO WELD
TWIN ROLLER FEED
TURBO FAN COOLED
LOW CURRENT
2 YEAR WARRANTY
COMPATIBLE WITH BINZEL® B15 TORCH SPARES
GAS NO GAS

Gas Bottles are Supplied Separately

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR
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KENNEDY Tiger™ Compact Mig Welder

TIGER

EMW-170

Heavy-duty transformer and turbo fan cooling allows welding at higher power for longer periods. Automatic wire speed control with manual override for continuous and spot welding. Professional torch with trigger-controlled power and gas prevents undesired arcing and gas wastage. Extra low current performance - able to deliver a 30A minimum output for welding very thin material easily. Accepts 0.7kg, 5kg and 15kg spools for maximum portability and economy. Heavy duty case for durability. Mig/Mag (gas) welding only. Six position, stepped voltage regulator allows process selection to be pre-set. Supplied complete with a smooth action, twin roller feed unit, two large diameter solid wheels and 2m mains cable. Suitable for automotive, farm, maintenance and contractor use. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP21.

Welding capacity: steel wire 0.6 - 0.8mm, stainless steel wire 0.8mm, aluminium wire 0.8 - 1.0mm.
Maximum reel size: 15kg.
Input voltage: 230V, 50/60Hz.
Fuse rating: 16A.
Phase: 1.
Power consumption: 5.2kW (2.3 kW @60%).
Output current range: 30A - 170A (DC).
Open circuit voltage: 31V.
Product dimensions (L x W x H): 80 x 45 x 57cm.
Box dimensions (L x W X H): 84 x 35 x 52cm.

Contents:
- Tiger EMW-170 power supply.
- 1.5m cable, 16mm².
- Earth clamp.
- 2.4m MIG torch.
- Mig wire reel 0.8mm x 0.2kg.
- Instruction manual.



Product Number	Current Range	Weight each	Order Code KEN-880
Tiger™ EMW170	30A - 170A	38kg	-1960K

Lion™ Compact Mig Welder

LION

EMW-220

Heavy-duty transformer and turbo fan cooling allows welding at higher power for longer periods. Automatic wire speed control with manual override. Professional torch with trigger-controlled power and gas prevents undesired arcing and gas wastage. The torch cable can be detached from the machine. 35A minimum output.
Accepts 0.7kg, 5kg and 15kg spools for maximum portability and economy. Heavy duty case for durability. Mig/Mag (gas) welding only. Six position, stepped voltage regulator allows process selection to be pre-set. Supplied complete with a smooth action, twin roller feed unit, two large diameter solid wheels and 2m mains cable. Suitable for automotive, farm, maintenance and contractor use. Conforms to **TUV-GS, GOST, EMC, LVD** and all relevant **CE** requirements. Insulation class H. Protection degree IP22.

Welding capacity: steel wire 0.6mm - 1mm, stainless steel wire 0.8mm, aluminium wire 0.8mm - 1.0mm.
Maximum reel size: 15kg.
Input voltage: 230V, 50/60Hz.
Fuse rating: 16A.
Phase: 1.
Power consumption: 3.7kW max. (1.4kW @60%).
Output current range: 30A - 220A (DC).
Open circuit voltage: 17.8 - 34V.
Product dimensions (L x W x H): 78 x 45 x 71cm.
Box dimensions (L x W X H): 84 x 35 x 57cm.

Contents:
- Lion EMW-220 power supply.
- 1.5m cable, 16mm².
- Earth clamp.
- 2.5m Mig torch.
- Mig wire reel 0.8mm x 0.2kg.
- Instruction manual.



See page 708 for additional Torches



Product Number	Current Range	Weight each	Order Code KEN-880
Lion™ EMW220	30A - 220A	45kg	-1980K

Feed Rollers for Kennedy Tiger & Lion Mig Welders

Description	Weight each	Order Code KEN-898
0.6 - 0.8mm Feed Roller		-2800K

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KENNEDY Euro Connection Torches

Fitted with EURO connectors, with insulated gas nozzles for use with mixed gases and a 4m supple, lightweight cable to improve productivity.

4m CABLE WITH FITTED LINER & STANDARD TIP



MTE-154 suits Kennedy Panther and Leopard.
MTE-254 suits Kennedy Tiger and Lion.

Product Number	Max. Rating	Wire Sizes (mm)	Standard Tip Size	Cable Length	Order Code KEN-885
MTE154	150A	0.6 - 1.0	0.8mm	4m	-3080K
MTE254	230A	0.8 - 1.2	1.0mm	4m	-3100K
MTE364	340A	0.8 - 1.2	1.2mm	4m	-3120K

Mig Torch Liners

PVC-coated for use with steel wire. Colour-coded to indicate wire size:
0.6 - 0.9mm = Blue,
1.0 - 1.2mm = Red.



Length (m)	Product Number	For Wire Size (mm)	Order Code KEN-883
3	124.0011	0.6 - 0.9	-7010K
3	124.0026	1.0 - 1.2	-7040K
4	124.0012	0.6 - 0.9	-7020K
4	124.0031	1.0 - 1.2	-7050K

ANM Cutting Nozzles

Acetylene nozzle mix can be used with the majority of popular cutting torches.
Plate thickness refers to mild steel.



Nozzle Diameter	Plate Thickness	Order Code KEN-883
1/32"	6mm	-2010K
3/64"	12mm	-2020K
1/16"	75mm	-2030K
5/64"	100mm	-2040K
3/32"	150mm	-2050K
1/8"	300mm	-2060K

Mig Torch Accessories

Contact Tips & Tip Adaptors

MB15



MB25

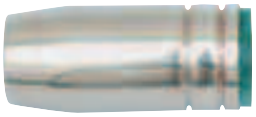


Compatible with Parweld and Binzel Torches.

For Torch Number	Product Number	For Wire Size (mm)	Order Code KEN-883
MTE 154	140.0008	0.6	-7120K
	140.0059	0.8	-7240K
	140.0253	1.0	-7360K
MTE 154/ 254/ 364	140.0051	0.8	-7200K
	140.0054	0.8 H.Duty	-7220K
	140.0242	1.0	-7300K
	140.0245	1.0 H.Duty	-7320K
	140.0379	1.2	-7400K
MTE 254	142.0001	Tip Adaptor	-7500K

Nozzles

Conical



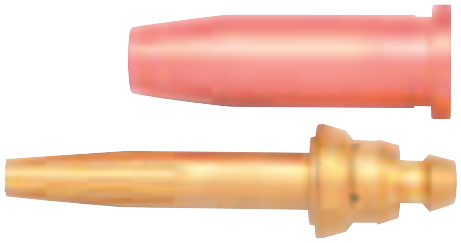
Tapered



For Torch Number	Product Number	Style	Order Code KEN-883
MTE15-4	145.0075	Conical	-7600K
MTE254	145.0076	Conical	-7610K
	145.0124	Tapered	-7640K
STD364	145.0078	Conical	-7620K

PNM Cutting Nozzles

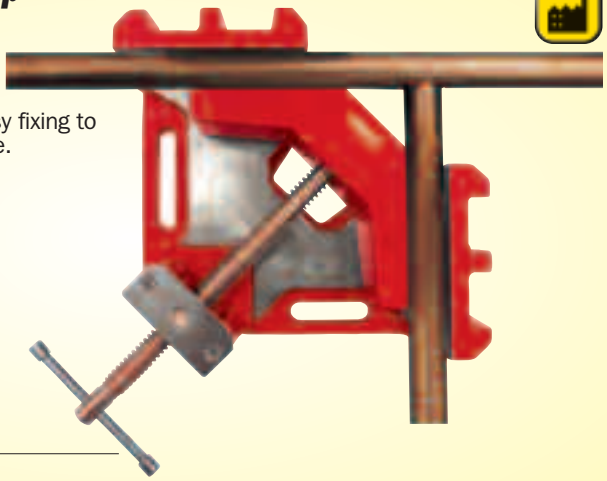
75mm long propane nozzle mix can be used with the majority of popular cutting torches.



Nozzle Diameter	Plate Thickness	Order Code KEN-883
1/32"	6mm	-2110K
3/64"	12mm	-2120K
1/16"	75mm	-2130K
5/64"	100mm	-2140K
3/32"	150mm	-2150K
1/8"	300mm	-2160K

90° Welding Angle Clamp

One man set up and operation, made from cast iron, copper plated spindle for spatter protection, T-Handle enables high pressure for secure clamping, easy fixing to a workbench or machine tool table.



Capacity (mm)	Weight each	Order Code KEN-539
60mm	5.3kg	-0360K
90mm	10.5kg	-0390K

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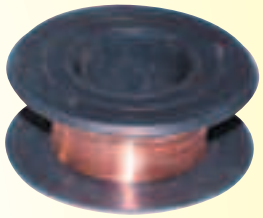
KENNEDY A18 Mig Wire Reels

Deposits C - 1.3% Mn weld metal for mild and medium tensile steels. Copper coat finish and double deoxidised. For use with CO_2 or Ar-CO_2 shielding gas. Made to **BS 2901/1 : 1983 A18 & BS EN 440 G3 Si1**. For welding mild steel and C-Mn steels such as boilers, tanks, pipework, machinery, vehicle chassis fabrication and shipbuilding. 0.7kg and 5.0kg reels are random wound. Both sizes are designed and packaged for use on Kennedy Dual Mig welders, Mini Migs, Migmates etc.
Use with CO_2 or Ar-CO_2 shielding gas.



0.7kg Mini Reels

FOR MILD STEEL & C-Mn STEEL
A18 BS 2901



Product Number	Wire Dia.	Order Code KEN-887
A18-060-0.7	0.6mm	**-1860K**
A18-080-0.7	0.8mm	**-1880K**
A18-100-0.7	1.0mm	**-1900K**

5.0kg Reels

FOR MILD STEEL & C-Mn STEEL
A18 BS 2901



Product Number	Wire Dia.	Order Code KEN-887
A18-060-5.0	0.6mm	**-1960K**
A18-080-5.0	0.8mm	**-1980K**
A18-100-5.0	1.0mm	**-2000K**

15kg Reels

Use with CO_2 or Ar-CO_2 shielding gas.

FOR MILD STEEL & C-Mn STEEL
PLW 15kg Reels
A18 BS 2901



BEST SELLER

*Precision layer wound for positive snag free feeding.

Product Number	Wire Diameter	Order Code KEN-887
*A18-060-15.0	0.6mm	**-2060K**
*A18-080-15.0	0.8mm	**-2080K**
*A18-100-15.0	1.0mm	**-2100K**
*A18-120-15.0	1.2mm	**-2120K**

Flux Core Gasless Wire

General-purpose Mig wire with self-shielding flux core, allowing it to be used without the need for a separate shielding gas. Designed and packaged specifically for use on Kennedy Dual Mig welders, Mini Migs, Migmates etc. For welding mild steel and C-Mn steels such as boilers, tanks, pipework, machinery, vehicle chassis fabrication. 0.8mm diameter mini reels. Random wound and not layer wound.

FOR MILD STEEL & C-Mn STEEL
A18 BS 2901

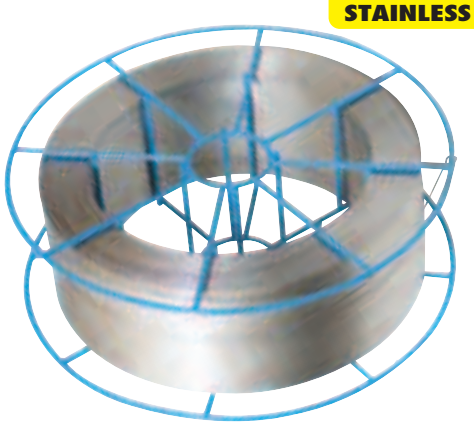


Product Number	Reel Size	Order Code KEN-887
FCG-080-0.45	0.45kg	**-1620K**
FCG-080-0.9	0.90kg	**-1640K**

Stainless Steel Mig Wire

Ideal for welding stainless steels. It has increased silicon content for an improved weld that produces a smoother more consistent bead making it ideal for use where appearance is important. For use on stainless steel structures. Supplied on a precision layer wound reel for positive uninterrupted feeding.
Weight: 15kg.

FOR STAINLESS





Type	Wire Diameter	Order Code KEN-887
308LSi	0.8mm	**-0520K**
	1.0mm	**-0530K**
309LSi	1.0mm	**-0570K**
316LSi	0.8mm	**-0540K**
	1.8mm	**-0550K**
	1.2mm	**-0560K**

MIG Wire - All prices are subject to possible surcharges due to continued volatility of material costs. Please contact your local branch for details.

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Individual Fitted Welding Hoses

Kink and crush resistant hoses with industry standard 3/8" BSP fittings on the regulator end. Hoses have safety check valves at the torch end to resist flashbacks.
Oxygen fittings are right hand thread, fuel gas fittings are left hand thread.
Manufactured to **EN 559/BS EN ISO 3821.**

OXYGEN - Blue Hose, right hand thread.

ACETYLENE - Red Hose, left hand thread.

PROPANE - Orange Hose, left hand thread.

NEW



Individual Fitted Welding Hoses EN 559/BS EN ISO 3821

Hose Size	Length	DSCV	Reg. Nut	OXYGEN Order Code CTL-885	ACETYLENE Order Code CTL-885	PROPANE Order Code CTL-885	
6mm	5m	1/4"	3/8"	-7950A	-7958A	-	-
6mm	10m	1/4"	3/8"	-7950B	-7958B	-	-
6mm	20m	1/4"	3/8"	-7950D	-7958D	-	-
6mm	5m	3/8"	3/8"	-7951A	-7959A	-7967A	
6mm	10m	3/8"	3/8"	-7951B	-7959B	-7967B	
6mm	20m	3/8"	3/8"	-7951D	-7959D	-	-
8mm	5m	3/8"	3/8"	-7953A	-7961A	-	-
8mm	10m	3/8"	3/8"	-7953B	-7961B	-	-
8mm	20m	3/8"	3/8"	-7953D	-7961D	-	-
10mm	5m	3/8"	3/8"	-7955A	-7963A	-7971A	
10mm	10m	3/8"	3/8"	-7955B	-7963B	-7971B	
10mm	20m	3/8"	3/8"	-7955D	-7963D	-7971D	

MATLOCK Cylinder Trolleys

Robust, heavy gauge steel, welded construction, with two large diameter wheels and solid tyres. For use with oxygen and/or acetylene cylinders. 16" pneumatic tyre.



For Use With	Cylinder Capacity	Order Code MTL-985
Propane Oxy/Acetylene	1	-3000K
	1	-3020K
Oxy/propane Oxy/Acetylene	2	-3040K
	2	-3060K

KENNEDY Nozzle Cleaner Set

Prolongs the life of gas welding and cutting nozzles. High strength, needle type files housed in an anodised aluminium flip-up pocket case.



Product Number	Weight each	Order Code KEN-883
1216	20g	-2500K

Pistol Type Spark Lighter

For easy and rapid single-handed ignition of welding and cutting torches. Metal bodied. Uses standard cigarette lighter flints.



Style	Pack Quantity	Order Code KEN-885
Pistol	1	-7050K
Flints	10	-7060K

Cup-Type Spark Lighter

For easy and rapid single-handed ignition of welding and cutting torches.



Style	Pack Quantity	Order Code KEN-885
Cup	1	-7010K
Flints	10	-7020K

Triple Flint Type Spark Lighter

For easy and rapid single handed ignition of welding and cutting torches.

When one flint wears, turn the triangular head to use the next flint.



Style	Pack Quantity	Order Code KEN-885
Triple	1	-7110K
Flints	1 Head	-7120K

Oxygen Regulators

Designed with 2 gauges to indicate cylinder contents and outlet pressure.

4.0 Bar Oxygen Regulator
Full 300 bar capacity.

10.0 Bar Oxygen Regulator
Full 300 bar capacity.

Bottom entry design, which is suited for top outlet cylinder valves. Fitted with 1/4" parallel threaded gauges, standard 3/8" BSP outlet and 5/8" BSP inlet connections.



Gas Type	Order Code KEN-884
10.0 Bar Oxygen	-4120K
4.0 Bar Oxygen	-4140K

Argon & Acetylene Regulators

Designed with two gauges to indicate cylinder contents and outlet pressure. Argon regulator outlet gauge is calibrated for flow 0 - 35lpm. Acetylene regulator has a calibrated flow rate of 0 - 1.5 bar with a full 250 bar capacity.

Features:
Flow rates up to 80m³/h (2824 ft³/h) 300 bar capability. Features 2 gauges displaying cylinder contents and pressure.Bottom entry design suited for top outlet cylinder valves.

Fitted with 1/4" parallel threaded gauges. Fitted with standard 3/8" BSP outlet. Fitted with 5/8" BSP inlet connections.



Gas Type	Order Code KEN-884
Acet. Regulator	-4200K
Argon Regulator	-4300K

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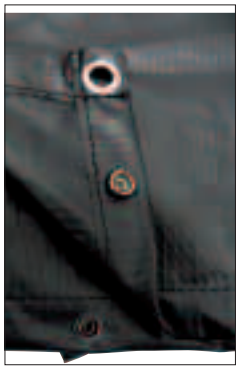
KENNEDY PVC Welding Curtains

PVC curtains for suspension from curtain poles. Standard sized curtains with snap-fasteners on both sides for joining to obtain total desired width. Supplied with reinforced holes in the upper edge and steel suspension rings. All standard curtains are made of pliable, self-extinguishing PVC material with flash point 320 - 390°C. **EN1598** for welding (fulfilling requirements on transmittance, reflectance, UV-stability and resistance to ignition).
Supplied with steel curtain rings.







Colour	Size W x H (mm)	Order Code KEN-885
Dark Green Reinforced	1300 x 1800	**-8640K**
Amber Hi-Vis	1300 x 1800	**-8740K**
Green Polished	1300 x 1800	**-8940K**
Dark Green Reinforced	1300 x 2400	**-8660K**
Green Polished	1300 x 2400	**-8960K**
Dark Green Reinforced	1300 x 2800	**-8680K**
Green Polished	1300 x 2800	**-8980K**
Amber Hi-Vis	1400 x 2400	**-8780K**

SOLENT MAINTENANCE Flaw Inspection System

Fast reliable method for visually inspecting and spot-checking surfaces of welds, exotic alloys or standard metals, highly stressed structural members, critical castings, shafts, gears, spindles, and any other hard part where identification of surface flaws is essential. Detects flaws such as cracks, pin holes, welding laps and porousness either during manufacture or on-site. A three-part system.

SF1-500B is a cleaner.
SF2-500B is a dye penetrant.
SF3-500B is a developing fluid that reacts with the dye in SF2-500B to show small cracks in the weld. Each part supplied in an ozone friendly 500ml aerosol.







Flaw Detector Cleaner Spray

SF1-500B
Quick drying, powerful solvent for cleaning surfaces prior to testing. Removes contaminants including oils, greases and grime.

Product Number	Size	Order Code SOL-732
SF1-500B	500ml	**-0240K**

Flaw Detector Dye Penetrant

SF2-500B
Highly sensitive red dye, for use when detecting flaws on metal components under normal lighting conditions.

Product Number	Size	Order Code SOL-732
SF2-500B	500ml	**-0260K**

BIG VALUE 500ml Cans!

Flaw Detector Developer

SF3-500B
White film to highlight any faults which have been detected when using Flaw Detector Penetrant. The product should be removed using Flaw Detector Cleaner Spray once cracks have been found and marked.

Product Number	Size	Order Code SOL-732
SF3-500B	500ml	**-0280K**

Welder's Anti-Spatter Spray

SW1-400C
Solvent-based coating that is applied to metal before welding to prevent spatter from sticking to the metal. CO_2 gas propelled aerosol. Totally non-flammable. Silicone free and easily removed with solvents prior to galvanising or painting.



Product Number	Size	Order Code SOL-732
SW1-400C	400g	**-0840K**

Maintenance Welder's Anti-Spatter Fluid

Reduces the risk of joint puddling and greatly reduces preparation time prior to final painting. Does not affect any subsequent galvanising or painting operations. Evaporates under normal weld temperatures. Dichloromethane and silicone-free. Non-flammable, non-toxic, non-corrosive and biodegradable.

WATER-BASED



Size	Order Code SOL-732
5ltr	**-9300K**
20ltr	**-9310K**

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KENNEDY Automatic Welding Helmets

Automatically protects the operator from eye injuries caused by arc, leaving both hands free. Equipped with two sets of photosensors to sense arc light. Solar power relieves the need for batteries. Offers permanent UV/IR protection up to **DIN 15** whilst in use. Welding shade can be easily selected by way of a side mounted adjustment dial. Automatically detects weld arc and switches from shade 4 to pre-selected shade (9, 10, 11, 12 or 13). Time to dark: 0.5ms. The shells are certified to **BS EN 175: 1997** for eye and face protection. They can withstand a temperature of 650°C from the end of the electrode for five seconds, without burning. The electronic lenses are certified to **DIN EN 169** and **DIN 179**. Solar powered, no battery required. Suitable for Arc, Mig/Mag, Tig and Plasma welding.
With 2 year warranty.



Light to dark 0.5 milliseconds

Solar Powered

Type	Weight each	Order Code KEN-885
Auto variable 9 - 13	480g	**-5020K**

Spare Cover Lenses
To protect liquid crystal cartridge unit.
Supplied in packs of 10.

Cover Lens Type	Size	Order Code CTL-885
Inner	107 x 45mm	**-7983K**
Outer	110 x 90mm	**-7983E**

Large View Welding Helmets

Durable, lightweight material is corrosion resistant and flame retardant. External sensitivity control provides clear vision both prior and during welding. Ultra high performance filters protect against UV and IR. Auto darkening lens automatically changes from light to dark shade when arc is struck. Special turnover headband mechanism offers greater comfort and reduces fatigue. Suitable for all kinds of welding types, including Tig low amperage welding, and can be used for grinding. High impact glass for increased safety. Dual powered: Solar and battery. Complies with **DIN, ISO, EN379** safety standards and **ANSI Z 87.12** standards.

View Field: 98 x 55mm
UV/IR protection: DIN16
Light State: DIN4
Variable Shade: DIN9 - DIN13
Reaction Time: 0.00005 Sec
Delay Time: 0.3 Sec - 0.9 Sec
Sensors: Four infrared detectors
Power Supply: Solar cells + CR2450 lithium battery (supplied PAN-904-2550K)
Power: On/Off Fully Automatic
Operating temperature: -5°C - 55°C (23°F - 131°F)
Storing temperature: -20°C - 70°C (-4°F - 158°F)



Light to dark 0.5 milliseconds

Solar Powered

Pattern	Order Code KEN-885
Plain Black	**-5100K**
Union Jack	**-5120K**

Jet Black Auto X

The Kennedy Jet Black™ welding helmet is designed using the latest technology to automatically protect the user's eyes from arc light damage and leave both hands free to increase accuracy, efficiency and therefore productivity. Fitted with automatic filters that are transparent before welding, it enables the operator to observe the workpiece clearly. When striking the arc, the filter darkens automatically with immediate effect. When the arc goes out, the filter will become transparent again. The switching time from light to dark is approximately 0.0001 seconds, and the switching time from dark to light may be set at between 0.1 - 0.5 second.

Dual power: battery and solar.
Light to dark: 0.0001 seconds
Dark to light: 0.1 - 0.5 seconds

Control switching from shade to shade 8 - 12. Auto on/off power source provided by two lithium batteries giving approx. 800 hours of working. High impact resistance. Clear view filter. Permanent UV/IR protection up to **DIN 16.** Complete with additional sweat band. Lightweight - less than 0.5kg.



Light to dark 0.1 milliseconds

Solar Powered

Type	Weight each	Order Code KEN-885
Auto variable 8 - 12	480g	**-5060K**

Welder's Helmets

The entry level to the Kennedy helmet range, both lift up over brow strap when not in use and accept plain and tinted lenses which are available separately.

Lens size: 4¼" x 3¼".

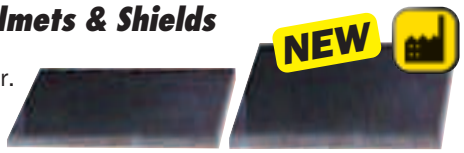


-7150K -7160K

Visor Type	Weight each	Order Code KEN-885
Flip-up	434g	**-7150K**
Fixed	434g	**-7160K**

Lenses to Suit Helmets & Shields

To protect the user from UV rays and weld spatter.
*Standard UK size.



Lens Size	Type	Colour/ Shade	Order Code KEN-885
4¼" x 3¼"*	Green Shaded	Sh. 8	**-7412K**
		Sh. 9	**-7413K**
		Sh. 10	**-7414K**
		Sh. 11	**-7415K**
		Sh. 12	**-7416K**
		Sh. 13	**-7417K**
	Polycarbonate CR39 Antisplatter	Clear	**-7419K**
		Clear	**-7418K**
	Glass	Clear	**-7411K**
4¼" x 2"	Green Shaded	Sh. 9	**-7399K**
		Sh. 10	**-7402K**
		Sh. 11	**-7401K**
4¼" x 2"	Polycarbonate CR39 Antisplatter	Clear	**-7407K**
		Clear	**-7408K**
	Glass	Clear	**-7409K**
110 x 60mm	Green Shaded	Sh. 11	**-7422K**
	Polycarbonate	Clear	**-7426K**
110 x 90mm	Antisplatter	Clear	**-7448K**
4½" x 5¼"	CR39 Antisplatter	Clear	**-7481K**

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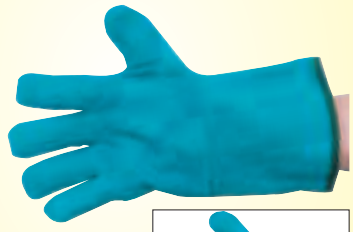
KENNEDY PERSONAL PROTECTION

Reversible Welder's Gauntlet

Reversible (ambidextrous) lined, green welder's gauntlet, type A.
CE approved to **EN12477, EN388, EN407.**
Size: 10.





CE 3.2.4.4 4.X.X.X.4.X

Size	Weight per Pr	Order Code KEN-961
10	250g	-1940K

TUFFSAFE

Heavy Duty Welder's Gauntlet

Full five finger welder's gauntlet manufactured from select split leather with a full cotton lining with a one piece back. Reinforced palm and thumb for increased wear with no exposed seams to burn. Kevlar© sewn throughout. Tested to **EN388: 2003 & EN407: 2004**.
Size: 10.



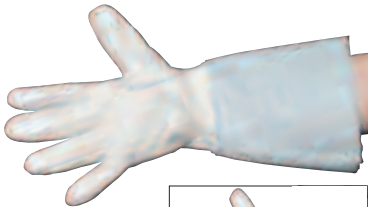


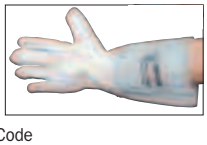
CE 4.1.4.3 4.1.3.2.4.X

Size	Weight per Pr	Order Code TFF-961
10	341g	-1580K

Grey Leather Tig Welder's Gloves

Constructed from soft high quality nappa leather for the palm, and stiff 150mm chrome leather cuff. The soft leather palm and fingers offer a superb feel and good durability for precision welding. Good comfort and flexible with a good level of dexterity. 360mm overall length. Approved to **EN388: 2.1.2.2 - EN12477: Type B - EN420**: Dexterity Level 5.
Size: 10.





CE EN388 2.1.2.2 Type B

Size	Weight per Pr	Order Code TFF-961
10	345g	-1650K

KENNEDY PERSONAL PROTECTION

Chrome Leather Welder's Clothing

A range of economically priced rugged workwear manufactured from high quality selected chrome leather. Spatter-resistant and tear-resistant. The full range offers head-to-toe protection against weld spatter and grinding sparks. Suitable for use in workshops, foundries and on-site.

Jackets

Stud fastening jacket for full neck to waist protection against weld spatter and grinding sparks. With external side pocket, neck is lined with soft split leather for extra comfort. All seams have heavy duty stitching for durability and extended wear.
CE approved to EN470-1 CAT II.



CE

Now Available in RED

Colour	Size	Order Code KEN-885
Grey	Large	-8160K
Grey	X-Large	-8170K
Red	Large	-5222K
Red	X-Large	-5223K

Aprons

Generous fit for full torso and upper leg protection against weld spatter and grinding sparks, whilst offering freedom of movement for the wearer. All seams have heavy duty stitching for durability and extended wear. Available in a choice of tie or buckle fastening.
CE approved to EN470-1 CAT II.
Colours: available in a choice of grey or red.



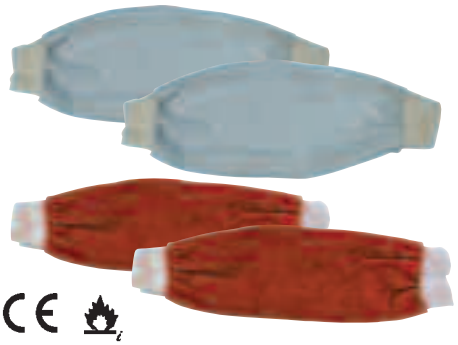
CE

Now Available in RED

Colour	W x L (cm)	Order Code KEN-885
Tie Fastening		
Grey	60 x 90	-8020K
Grey	60 x 105	-8030K
Red	60 x 90	-5410K
Buckle Fastening		
Grey	60 x 90	-8060K
Red	60 x 90	-5440K

Sleeves

Can be used independently or in conjunction with an apron or other garment to offer optimum protection of the lower arm and elbow. With elasticated openings. All seams have heavy duty stitching for durability and extended wear. One size.
CE approved to EN470-1 CAT II.



CE

Colour	Size	Order Code KEN-885
Grey	45cm	-8220K
Red	45cm	-5310K

Gaiters

For wearing over workshoes to protect against weld spatter and grinding sparks. With velcro fastening on back of calf and buckle adjustment around shoe. Double stitched and riveted seams for extra heavy duty use.
CE approved to EN470-1 CAT II.
Size: 35cm.



CE

Size	Order Code KEN-885
35cm	-8260K

Welder's Caps

Comfortable, durable and washable welder's caps. Double stitched construction with absorbent cotton sweat band. Can be worn with the peak to the rear when a screen is used. New improved version with taped, reinforced internal seams for extra durability and improved comfort.



Size	Weight each	Order Code WDA-957
7 1/8"	35g	-5500K
7 1/4"	35g	-5510K
7 3/8"	35g	-5520K
7 1/2"	35g	-5530K
7 5/8"	40g	-5540K
7 3/4"	40g	-5550K

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GROUP 950 LOCKOUT & TAGOUT SYSTEM

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GROUP 950 PADLOCKS

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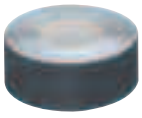
GROUP 964 ANTI-SLIP FLOOR TAPES

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GROUP 964 HAZARD TAPES

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GROUP 978 ROPE, STRAPS & CHAIN

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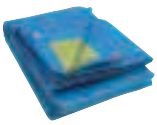
GROUP 984 TARPAULINS

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SITE MAINTENANCE

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

Oil-Storage Recommendations

Who needs to comply?
Any industrial, commercial or institutional site storing 200 litres or more of oil or fuel above ground in one or more containers.

What is required?
All containers storing oil or fuel, whether a drum, an IBC (Intermediate Bulk Container) or a tank, must be sufficiently bunded within themselves or stood on a spill pallet or drip tray with sufficient capacity to contain either 110% of the contents of the largest container or 25% of the total capacity stored, whichever is the greater.



Storing oils and chemicals without the correct safety products in use could leave you with a hefty fine - and a massive clean-up bill!

Does your operation comply with the latest Safety Management Systems?

SOLENT SPILL CONTROL

Workfloors

- Perfect for machine cleaning and lubrication areas
- Versatile modular systems to allow bespoke configuration.
- All sizes of workfloor have the same 15cm height for easier loading and unloading.
- Grates can be removed for cleaning

Workfloor Ramp

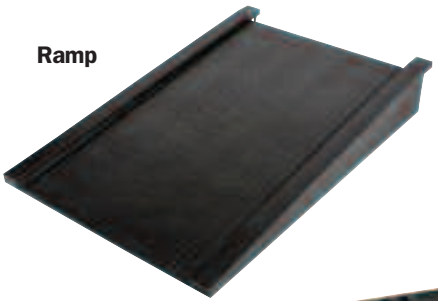
EXTENDED RANGE

- Safe for use with any size of workfloor
- Integral joining strip ensures that it stays in position
- Ribbed surface for better grip.



4 Drum
SWL 2700kg

Ramp



2 Drum
SWL 1350kg

4 Drum In-Line
SWL 2700kg



Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code **SOL-741**
SW-2	2 Drum	160 x 80 x 15	120	**-6410A**
SW-4	4 Drum	160 x 160 x 15	250	**-6420B**
SW-4IL	4 Drum In-line	260 x 90 x 15	300	**-6421C**
SWR-1	Ramp	129 x 81 x 18	-	**-6520R**

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SOLENT SPILL CONTROL Spill Pallets

- Tough 100% high impact polyethylene construction. Corrosion resistant
- Generous sump capacities are large enough to comply with the regulations
- Grates can be removed for cleaning
- **4 Drum** pallet has a low loading height of only 28cm
- **4 Drum In-Line** pallet is ideal for instances where space is at a premium - The unique design allows for the drums to be stored length wise along a wall while still complying with the regulations



2 Drum
SWL 1350kg

4 Drum
SWL 2700kg



4 Drum In-Line
SWL 2700kg

Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SDP-2	2 Drum	130 x 75 x 44	250	**-5110A**
SDP-4	4 Drum	139 x 129 x 28	250	**-5120A**
SDP-4L	4 Drum In-line	245 x 66 x 27	240	**-5120L**

All Weather Spill Pallets

A spill pallet full of rain water does not offer much protection should a drum leak. Where pallets are not kept under a shelter, make use of this unique design.

- Includes integral ground anchoring points for stability in exposed locations
- With dual lockable shutter doors allowing access from both sides
- Base fork lift pockets for safe transportation
- Single user friendly with lockable roll door



2 Drum SWL 2700kg



4 Drum SWL 2700kg

Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SPSP-2	2 Drum	156 x 110 x 211	250	**-5920X**
SPSP-4	4 Drum	156 x 173 x 211	410	**-5921Y**

IBC Spill Pallets

Single IBC Spill Pallet

- Unique design is complete with a dispensing well for the splash-proof dispensing of fluids from the IBC
- Can be used with any type of IBC with an integral pallet

Double IBC Spill Pallet

- The largest polyethylene spill pallet available
- Can be used for a variety of applications including the regulation compliant storage of two 1000ltr IBCs or up to eight 205ltr drums
- Strong polyethylene rotationally moulded design ensures that there is no distortion of the side walls when under load



Single
SWL 2000kg



Double
SWL 4000kg

Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SSP110	Single	200 x 149 x 76	1100	**-6240S**
SSP114	Double	245 x 145 x 57	1100	**-6250T**

All Weather IBC Spill Pallets

A spill pallet full of rain water does not offer much protection should a drum leak. Where IBCs are not kept under a shelter, make use of this unique design.

- Heavy duty vinyl tarp cover
- Protects against weather and foliage debris



NEW

Single
SWL 1500kg



Double
SWL 2500kg

Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
CDIBC-1	Single	126 x 135 x 241	1140	**-2340D**
CDIBC-2	Double	256 x 135 x 221	1140	**-2350E**

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SOLENT SPILL CONTROL Drum Trolley

- Easy to use unit combines safe transport, storage and dispensing from drums all in one
- Any spills that occur during dispensing are safely stored in the sump
- Simple to use one person operation
- Corrosion resistant 100% polyethylene construction



Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SDT-230	Single	81 x 174 x 68	250	**-5500T**

Drum Funnel & Tray

Drum Funnel

- An essential item when filling either a drum or IBC, particularly with waste fluids
- Designed to ensure that there are no spills with an integral lid so that the funnel can be left in place when not in use
- Fits over the top of a 205ltr drum
- Corrosion resistant 100% polyethylene construction

Drum Tray

- Where there is only one drum in use in an area, the Oil Storage Regulations state that a drum tray with a capacity that is 25% of the size of the drum is sufficient - This circular tray meets the requirement
- Ideal as a temporary bund for smaller items during maintenance operations, including batteries
- Corrosion resistant 100% polyethylene construction



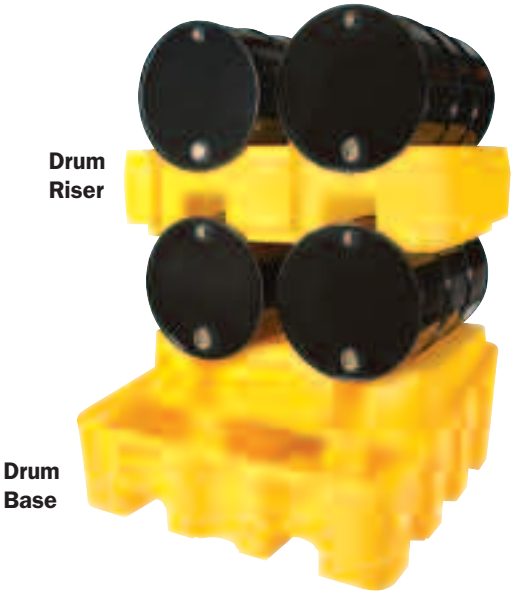
Drum Funnel

Drum Tray

Product Number	Item	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SF-20L	Funnel	61 dia x 23	-	**-5650X**
SOT-8	Tray	87 dia x 19	50	**-5840T**

Drum Racker & Stacker

- For safe storage and dispensing applications put one or more of these units in place
- The base unit can be used on its own for two drums, or up to two levels of stackers can be used for a maximum storage of six drums
- Corrosion resistant 100% polyethylene construction



Drum Riser

Drum Base

Product Number	Item	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SDS-B2	Drum Base	137 x 135 x 63	450	**-5420B**
SDS-R2	Drum Riser	137 x 94 x 39	-	**-5420R**

Salvage Container

- Where a drum is damaged or leaking, UN transport regulations require that it is transported in a leakproof container - this container fully meets these regulations
- The 100% polyethylene construction ensures compatibility to a broad band of chemicals and oils
- The lid is fully threaded and can be tightened using a bar or piece of timber across the slots
- The moulded design allows for lifting by a fork-lift or sling

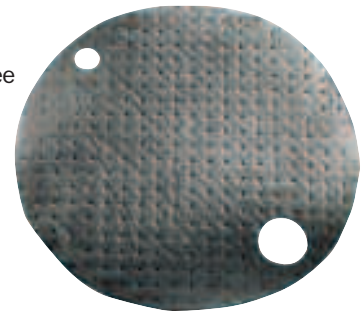


Product Number	Item	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SSD-360	Salvage Drum	81 dia x 105	360	**-6020B**

Absorbent Drum Pads

- Cut to fit exactly on the top of a 205ltr drum.
- Help keep a dispensing area free of leaks and drips.
- Maintenance grade absorbent material.
- Each drum pad will absorb up to 1ltr of most industrial fluids.

PACK OF 5



Product Number	Application	Absorbs Per Pad	Diameter	Pack Qty	Order Code SOL-742
MPA5656	Maintenance	1.0 ltr	56cm	5	**-0620B**

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SOLENT SPILL CONTROL Bench Trays

- For use in a laboratory or other areas where small containers are in use and it is essential that any spills are contained
- Removable grate for easy cleaning



Product Number	Item	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SW-T1	Bench Tray	63 x 55 x 7	9.5	-6530T

Drum Cupboards

- Provide a neat and tidy solution to the storage of drums and containers of various sizes up to 205ltr
- Fully weather-resistant
- With lockable doors and integral sumps
- Corrosion resistant 100% structural grade polyethylene construction
- With removable grates
- Suitable for battery storage

SSC-CAB2



SSC-CAB1



EXTENDED RANGE

SSC-CAB4



SSC-CAB5



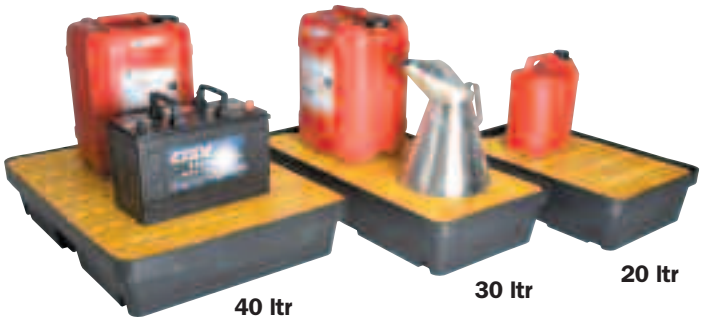
Product Number	No. of Grates	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SSC-CAB1	3	55 x 44 x 99	30	-6110H
SSC-CAB2	3	65 x 57 x 165	70	-6120J
SSC-CAB5	2	72 x 92 x 152	100	-6150M
SSC-CAB4	1	72 x 92 x 184	250	-6140L

Drum Trays

- Suitable for the safe storage of 20ltr drums, fluid measures and other common workshop items
- Highly durable construction
- Fully nestable (without grates)

"Stand-On" Trays

- With removable grates. Unique non-slip texture



Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SGST-20	Small	60 x 40 x 15	20	-5680M
SGST-30	Medium	80 x 40 x 15	30	-5681N
SGST-40	Large	80 X 60 x 15	40	-5682P

"Stand-In" Trays

- Without grate

NEW



Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SGST-20	Small	60 x 40 x 15	20	-6270B
SGST-30	Medium	80 x 40 x 15	30	-6271C
SGST-40	Large	80 X 60 x 15	40	-6273D

Small Container Trays

- Small drums are just as likely to leak or spill as large ones
- Three different sizes cope with drums up to 25ltr
- Corrosion resistant 100% polyethylene construction
- With removable grates

SWB4



NEW



Product Number	Size	Dimensions (cm)	Sump (ltr)	Order Code SOL-741
SWB1	1 Drum	55 x 55 x 11	27.5	-6810A
SWB2	2 Drum	72 x 46 x 11	27.5	-6820B
SWB4	4 Drum	92 X 72 x 18	100	-6840D

SITE MAINTENANCE

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Do your employees know which absorbent grade should be used for different spills?

Maintenance

Absorbs All Fluids - Grey/Black

- General maintenance absorbents are made of pure meltblown polypropylene suitable for spills of all non-aggressive chemicals, oil and water based fluids.
- The most commonly used spill response product.
- A “must have” part of most emergency response plans.
- Ideal for use in industrial situations where many different kinds of liquids are present at the same time.
- Available in lightweight, mediumweight and heavyweight types for a wide range of response requirements.
- Maintenance absorbents are available as pads, rolls, socks, pillows and in a range of spill kits.



Oil-Only

Repels Water - White

- **Always white in colour for easy recognition and to alert to the start of a leak.**
- Hydrophobic - Oil-only absorbents do not absorb water making them ideal for any outdoor environment where oil is a hazard and must be removed.
- Floats on water - even when fully saturated with oil, allowing for easy pick up and disposal.
- Available in lightweight, mediumweight and heavyweight types for a wide range of response requirements.
- Oil-only absorbents are available as pads, rolls, socks, pillows and in a range of spill kits.
- Also available as booms specifically designed for use on open water.



Chemical

Also known as “Universal” - Yellow

- **Always yellow in colour for easy recognition and to alert users that once used the product must be handled in full PPE clothing and disposed of in the correct way.**
- For use with water based fluids and aggressive chemicals, oils and solvents. Not suitable for use on water.
- Can be used with agressive chemicals such as acids, kerosene and detergents.
- Chemical absorbents are made of pure meltblown polypropylene.
- Available in lightweight, mediumweight and heavyweight types for a wide range of response requirements.
- Chemical absorbents are available as pads, rolls, socks, pillows and in a range of spill kits.



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SOLENT SPILL CONTROL Essential Light Weight Absorbents

- Designed to be simple and without unneccessary frills
- Especially suited to low-volume, high-frequency use
- Ideal replacement for granules
- Lint-free
- Works with **Spill Depot** to ensure site compliance and fast access - see page **1740**

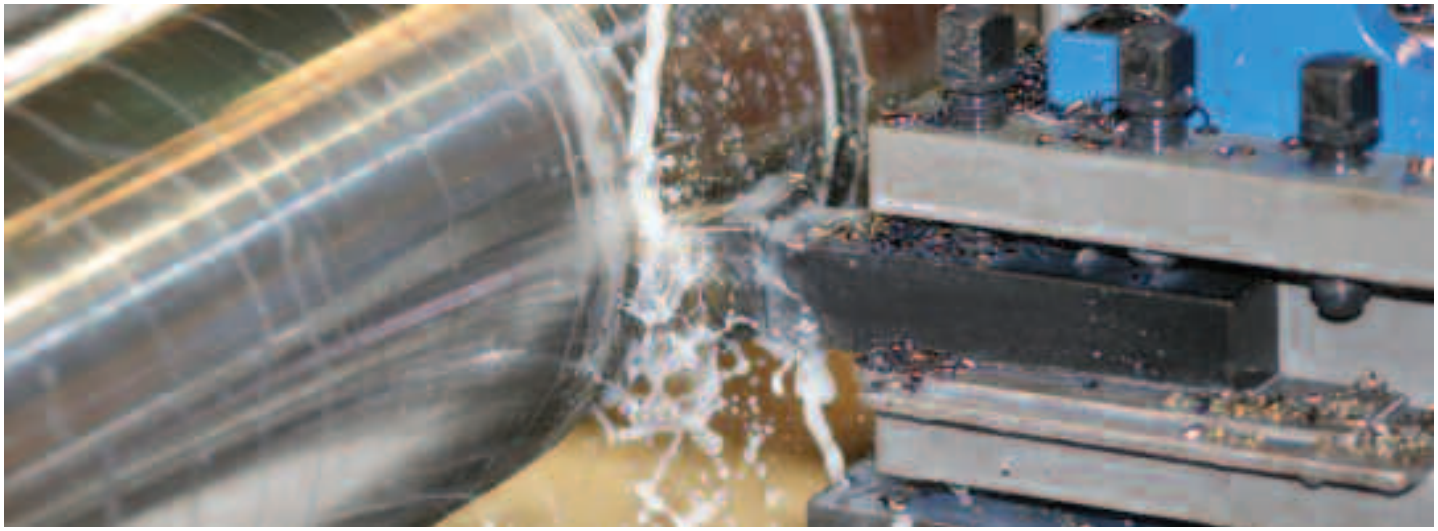
Hazard level: Low to moderate
Typical spill volume: Low
Frequency of use: High

Performance and endurance combined in a lightweight design. A straight forward and highly cost effective solution to spill control.

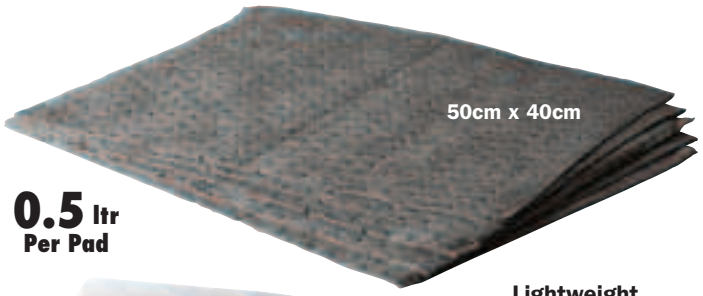
Maintenance - Absorbs All Fluids - Grey/Black
For use with water based fluid spills and non-aggressive chemicals and oils. Not suitable for use on water.

Oil-Only - Repels Water - White
Hydrophobic absorbent can be used on water. Will float even when oil laden.

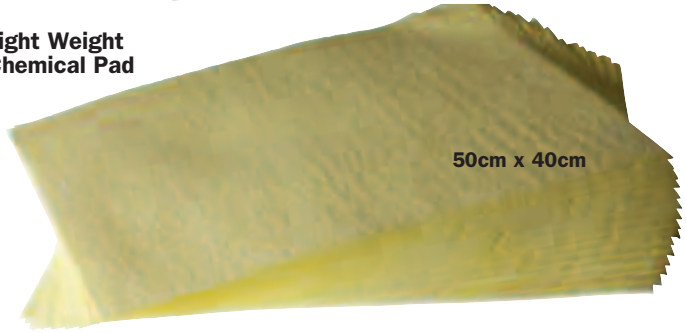
Chemical (Universal) - Yellow
For use with water based fluids and aggressive chemicals, oils and solvents. Not suitable for use on water.



"Essentials" - Light Weight Absorbent Pads







Product Number	Application	Absorbs Per Pad	Dimensions W x L	Pack Qty	Order Code SOL-742
SMP501	Maintenance	0.5 ltr	50cm x 40cm	50	-2850J
SMP504				200	-2860K
SMP501	Oil-Only	0.5 ltr	50cm x 40cm	50	-3420H
SMP504				200	-3360S
SMP501	Chemical	0.5 ltr	50cm x 40cm	50	-2790D
SMP504				200	-2780C

"Essentials" - Light Weight Absorbent Rolls



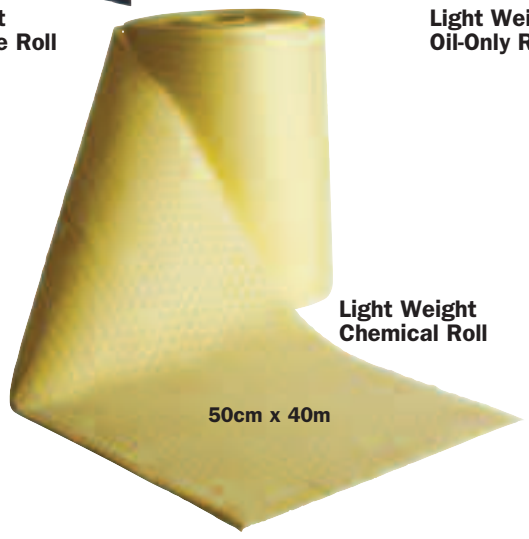
NEW



50 ltr
Per Roll

Light Weight
Maintenance Roll

Light Weight
Oil-Only Roll



Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
EMR50	Maintenance	50 ltr	50cm x 40m	1	-0652R
EOOR50	Oil-Only	50 ltr	50cm x 40m	1	-0658R
ECR50	Chemical	50 ltr	50cm x 40m	1	-0644R

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SOLENT PLUS SPILL CONTROL Plus Medium Weight Absorbents

- The mid-range, all-round choice for onsite spill management
- Medium weight design featuring single-side coverstock for added strength and tear resistance
- Low-lint release for a cleaner job
- Multiple perforations for improved productivity. Performance and endurance, combined. Legal compliance, assured
- Works with **Spill Depot** to ensure site compliance and fast access - see page **1740**

Hazard level: Moderate to high
Typical spill volume: Medium
Frequency of use: Medium to high

Medium weight design with coverstock for added strength – The "Workshop Essential". A mid to high end, balanced solution. Optimised for increased absorption per-pad.

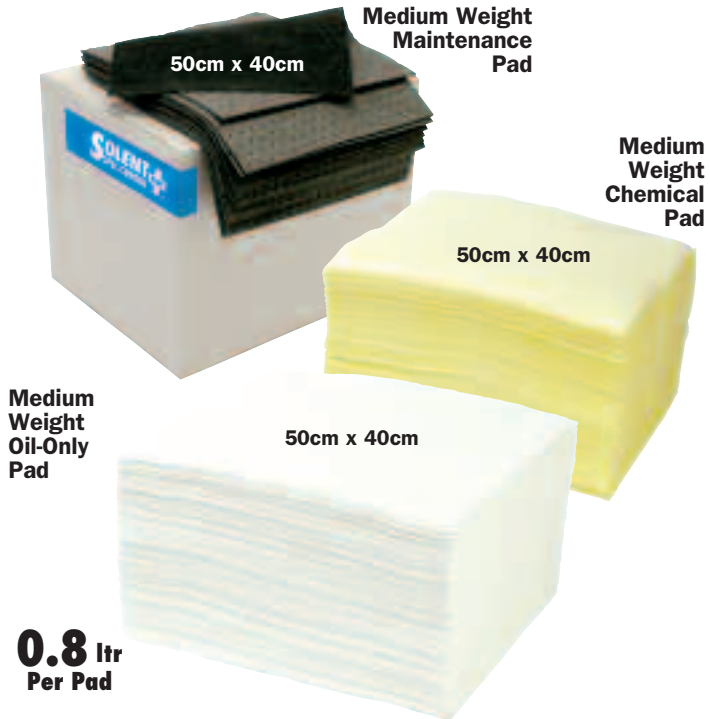
Maintenance - Absorbs All Fluids - Grey/Black
For use with water based fluid spills and non-aggressive chemicals and oils. Not suitable for use on water.

Oil-Only - Repels Water - White
Hydrophobic absorbent can be used on water. Will float even when oil laden.

Chemical (Universal) - Yellow
For use with water based fluids and aggressive chemicals, oils and solvents. Not suitable for use on water.



"Solent Plus" Medium Weight Absorbent Pads



Product Number	Application	Absorbs Per Pad	Dimensions W x L	Pack Qty	Order Code SOL-742
PMP503	Maintenance	0.8 ltr	50cm x 40cm	100	**-4010J**
POP100	Oil-Only	0.8 ltr	50cm x 40cm	100	**-4310R**
PCP504	Chemical	0.8 ltr	50cm x 40cm	100	**-4610A**

"Solent Plus" Medium Weight Absorbent Rolls



Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
SMP501	Maintenance	80 ltr	50cm x 40m	1	**-4100C**
SMP504		140 ltr	90cm x 40m	1	**-4110L**
SMP501	Oil-Only	80 ltr	50cm x 40m	1	**-4400T**
SMP504		140 ltr	90cm x 40m	1	**-4410V**
SMP501	Chemical	80 ltr	50cm x 40m	1	**-4700C**
SMP504		140 ltr	90cm x 40m	1	**-4710D**

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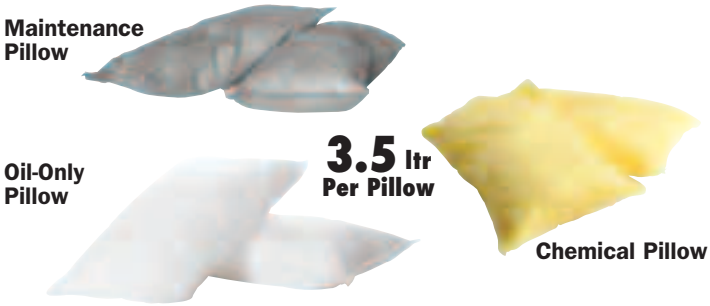
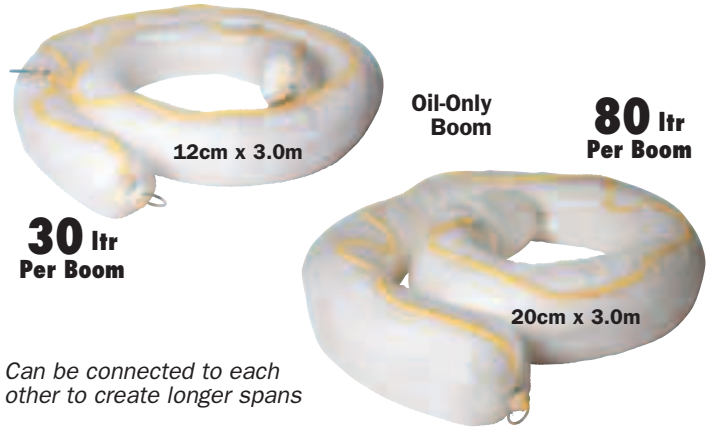
"Solent Plus" Absorbent Pillows



Product Number	Application	Absorbs Per Pillow	Dimensions W x L	Pack Qty	Order Code SOL-742
SMC303	Maintenance	3.5 ltr	28cm x 38cm	16	-2610F
SOC303	Oil-Only	3.5 ltr	28cm x 38cm	16	-2620G
SCC303	Chemical	3.5 ltr	28cm x 38cm	16	-2600E

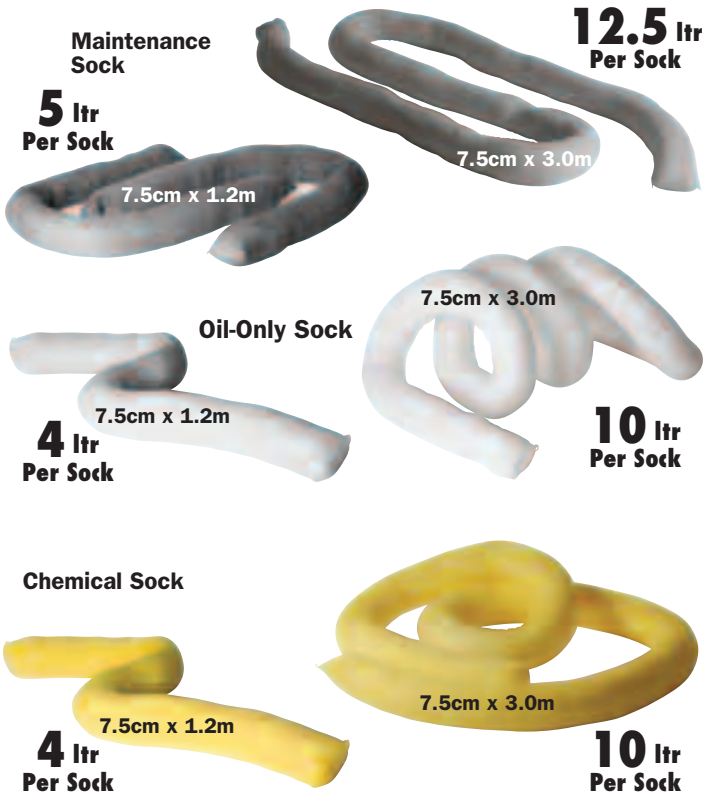
"Solent Plus" Absorbent Booms



Can be connected to each other to create longer spans

Product Number	Application	Absorbs Per Boom	Dimensions W x L	Pack Qty	Order Code SOL-742
SBO123	Oil-Only	30 ltr	12cm x 3.0m	4	-0820J
SBO203		80 ltr	20cm x 3.0m	4	-0840L

"Solent Plus" Absorbent Socks



Product Number	Application	Absorbs Per Sock	Dimensions W x L	Pack Qty	Order Code SOL-742
PMS812	Maintenance	5 ltr	7.5cm x 1.2m	20	-4170N
PMS830		12.5 ltr	7.5cm x 3.0m	8	-4180P
POS812	Oil-Only	4 ltr	7.5cm x 1.2m	20	-4470X
POS830		10 ltr	7.5cm x 3.0m	8	-4480Z
PCS812	Chemical	4 ltr	7.5cm x 1.2m	20	-4770H
PCS830		10 ltr	7.5cm x 3.0m	8	-4780K

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SOLENT SPILL CONTROL Prime Heavy Weight Absorbents

- Heavyweight design - 25% more absorption than Solent Plus
- A heavyweight design featuring a coverstock, the 25% increase in loft provides improvement in absorbent capacity from 0.8 litres to 1.0 litre per pad
- Works with **Spill Depot** to ensure site compliance and fast access - See page **1740**

Hazard level: High
Typical spill volume: High
Frequency of use: Low to medium

Enhanced performance-per-pad - optimised for higher capacity and quicker wicking. Do more, with less product and lower overall cost.

Maintenance - Absorbs All Fluids - Grey/Black
For use with water based fluid spills and non-aggressive chemicals and oils. Not suitable for use on water.

Oil-Only - Repels Water - White
Hydrophobic absorbent can be used on water. Will float even when oil laden.

Chemical (Universal) - Yellow
For use with water based fluids and aggressive chemicals, oils and solvents. Not suitable for use on water.



"Solent Prime" Heavy Weight Absorbent Pads



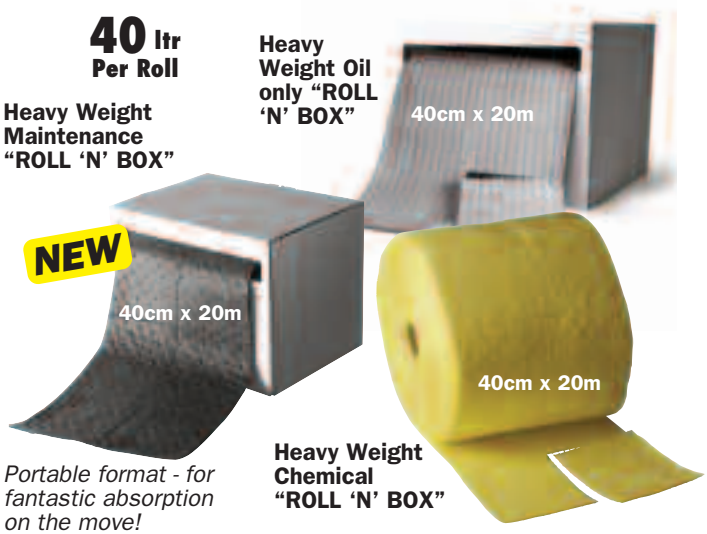
Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
PPMP1	Maintenance	1.0 ltr	50cm x 40cm	100	-3852B
SPOP1	Oil-Only	1.0 ltr	50cm x 40cm	100	-3862B
SPCP1	Chemical	1.0 ltr	50cm x 40cm	100	-3842B

"Solent Prime" Heavy Weight Absorbent Rolls



Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
SPMR100	Maintenance	100 ltr	50cm x 40m	1	-3854D
SPMR180		180 ltr	90cm x 40m	1	-3856F
SPOR100	Oil-Only	100 ltr	50cm x 40m	1	-3864D
SPOR180		180 ltr	90cm x 40m	1	-3866F
SPCR100	Chemical	100 ltr	50cm x 40m	1	-3844D
SPCR180		180 ltr	90cm x 40m	1	-3846F

"Solent Prime" Heavy Weight Absorbent Rolls



Portable format - for fantastic absorption on the move!

Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
SMR40	Maintenance	40 ltr	40cm x 20m	1	-2875M
SOOR40	Oil-Only	40 ltr	40cm x 20m	1	-3220M
SCR40	Chemical	40 ltr	40cm x 20m	1	-1260M

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SOLENT SPILL CONTROL Sustainably Sourced - Ultra-Absorbent

New Improved!

- **Solent's Highest Performing Absorbent** - absorbency rates "better than or equal to" other absorbents - **at no extra cost**
- A new generation of sustainably-sourced 'Eco-Fibre' absorbents utilising the latest **Nu-Dri™ Technology**
- Third generation coverstock supplies strength and wiping efficiency
- **Solent ULTRA** represent a new generation of sustainably sourced products

Hazard level: Moderate to high
Typical spill volume: Medium
Frequency of use: Medium to high



Unleashing the Absorbent Power of Natural Fibres

Nu-Dri is a trademark of Lubetech Industries



A new generation of sustainably-sourced 'Eco-Fibre' absorbents. Utilising naturally-occurring cottons and wood cellulose from managed forests. Third generation coverstock supplies strength and wiping efficiency.

- **Maintenance Grade** - Utilising wood cellulose from managed forests. For general uses. With the versatility to absorb a wide range of fluids including both water and oils at the same time.
- **Oil Only Grade** - Proprietary processed natural cotton specially adapted to absorb oil spill from both land and water. With a proprietary hydrophobic treatment:- absorbs oil only, rejects water and retains buoyancy even when laden.

Maintenance - Absorbs All Fluids - Grey/Black
For use with water based fluid spills and non-aggressive chemicals and oils. Not suitable for use on water.

Oil-Only - Repels Water - White
Hydrophobic absorbent can be used on water.
Will float even when oil laden.

ULTRA Absorbent Socks

New Improved!

ULTRA Maintenance Sock



4.0 ltr Per Sock



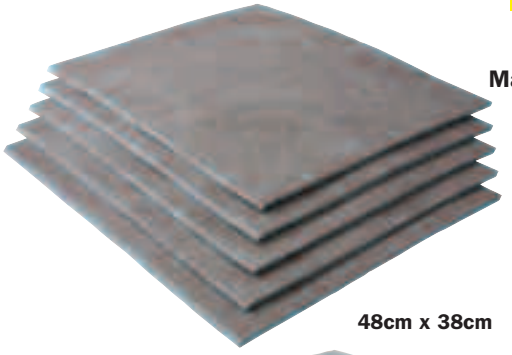
ULTRA Oil-Only Sock

Product Number	Application	Absorbs Per Sock	Dimensions W x L	Pack Qty	Order Code SOL-742
SUMS4	Maintenance	4.0 ltr	7.5cm x 1.2m	20	-4530M
SUOS4	Oil Only	4.0 ltr	7.5cm x 1.2m	20	-4570R

ULTRA Absorbent Pads

New Improved!

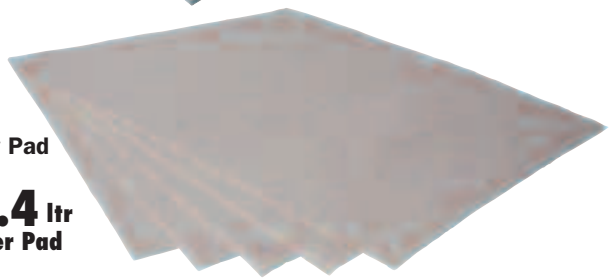
ULTRA Maintenance Pad



0.8 ltr Per Pad

48cm x 38cm

ULTRA Oil-Only Pad



1.4 ltr Per Pad

Product Number	Application	Absorbs Per Pad	Dimensions W x L	Pack Qty	Order Code SOL-742
SUMP1	Maintenance	0.8 ltr	48cm x 38cm	100	-4510K
SUOP1	Oil-Only	1.4 ltr	48cm x 38cm	100	-4550P

ULTRA Absorbent Rolls

New Improved!

ULTRA Maintenance Roll

EXTENDED RANGE

62 ltr Per Roll

37cm x 38m



90 ltr Per Roll

ULTRA Oil-Only Roll



Product Number	Application	Absorbs Per Roll	Dimensions W x L	Pack Qty	Order Code SOL-742
SUMR90	Maintenance	62 ltr	37cm x 38m	1	-4520L
SUOR90	Oil-Only	90 ltr	37cm x 38m	1	-4560Q

SITE MAINTENANCE

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SOLENT SPILL CONTROL Kits

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Available in Maintenance, Oil-only and Chemical kits, they range in capacity from 10ltr up to 240ltr. They are packed with sufficient absorbents to cope with a spill up to the size shown.

Maintenance - Absorbs All Fluids - Grey/Black
For use with water based fluid spills and non-aggressive chemicals and oils. Not suitable for use on water.

Oil-Only - Repels Water - White
Hydrophobic absorbent can be used on water. Will float even when oil laden.

Chemical (Universal) - Yellow
For use with water based fluids and aggressive chemicals, oils and solvents. Not suitable for use on water.

10 ltr Kits - In Holdalls

10Ltr

For quick response to smaller spills.

Kits contain:
- 10 x Solent Prime Pads (1 ltr/pad)
- 1 x Solent Plus 1.2m sock (4 ltr/sock)
- 1 x 1kg Putty Seal pre-mixed drum plug mix (SOL-741-2880R)
- 2 x Disposal bags and ties (LUT-741-6430D)

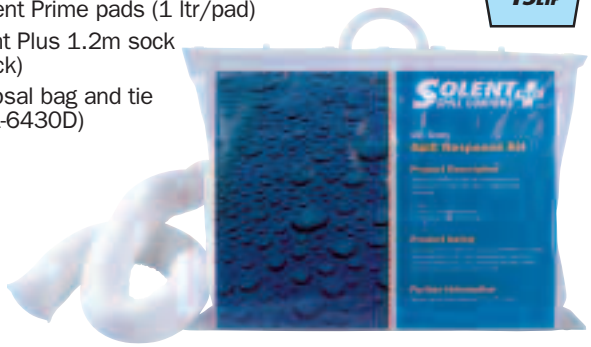


Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK010B	10 ltr	Holdall	Maintenance	-6100A
POK010B	10 ltr	Holdall	Oil-Only	-6110B
PCK010B	10 ltr	Holdall	Chemical	-6120C

15 ltr Kits - In Carriers

15Ltr

Kits contain:
- 12 x Solent Prime pads (1 ltr/pad)
- 1 x Solent Plus 1.2m sock (4 ltr/sock)
- 1 x Disposal bag and tie (LUT-741-6430D)



Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK015B	15 ltr	Carrier	Maintenance	-6130M
POK015B	15 ltr	Carrier	Oil-Only	-6135N
PCK015B	15 ltr	Carrier	Chemical	-6140P

20 ltr Kits - In Holdalls

20Ltr

Kits contain:
- 15 x Solent Prime pads (1 ltr/pad)
- 2 x Solent Plus 1.2m sock (4 ltr/sock)
- 2 x Disposal bags and ties (LUT-741-6430D)



Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK020C	20 ltr	Holdall	Maintenance	-6150D
POK020C	20 ltr	Holdall	Oil-Only	-6160E
PCK020C	20 ltr	Holdall	Chemical	-6170F

25 ltr Kits - In Small Bins

25Ltr

Kits contain:
- 17 x Solent Prime pads (1.0 ltr/pad)
- 1 x Solent Plus 1.2m sock (4 ltr/sock)
- 2 x Solent Plus pillows (3.5 ltr/pillow)
- 4 x Disposal bags and ties (LUT-741-6430D)



Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK025A	25 ltr	Small Bin	Maintenance	-6300A
POK025A	25 ltr	Small Bin	Oil-Only	-6310B
PCK025A	25 ltr	Small Bin	Chemical	-6320C

35 ltr Kits in Cube Bag

35Ltr

Kits contain:
- 15 x Solent Prime pads (1.0 ltr/pad)
- 2 x Solent Plus 3.0m sock (10 ltr/sock)
- 1 x Disposal bag and tie (LUT-741-6430
- 1 x Instruction sheet



Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
SMK35Y	35 ltr	Cube Bag	Maintenance	-5150S
SOK35Y	35 ltr	Cube Bag	Oil-Only	-5160T
SCK035Y	35 ltr	Cube Bag	Chemical	-5170V

Personal Protective Equipment (PPE)

Because the PPE requirements of handling liquids varies in accordance with the specific liquids being used, it is assumed that suitable PPE will already be available on site and PPE is not supplied with these kits as standard. If you require any further assistance with obtaining PPE supplies please contact your local branch or repesentative - or ask for our Industrial Supplies Catalogue.



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SOLENT SPILL CONTROL **Kits**

50 ltr Kits - In Holdalls

50Ltr

Kits contain:
- 35 x Solent Prime pads (1.0 ltr/pad)
- 3 x Solent Plus 1.2m sock (4 ltr/sock)
- 3 x Solent Plus pillows (3.5 ltr/pillow)
- 5 x Disposal bags and ties (LUT-741-6430D)



EXTENDED RANGE

Kits - Complete with holdall

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK050S	50 ltr	Holdall	Maintenance	**-6200G**
POK050S	50 ltr	Holdall	Oil-Only	**-6210H**
PCK050S	50 ltr	Holdall	Chemical	**-6220J**

Refills - Absorbents and bags only, as listed above

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMKR050S	50 ltr	-	Maintenance	**-6201H**
POKR050S	50 ltr	-	Oil-Only	**-6211J**
PCKR050S	50 ltr	-	Chemical	**-6221K**

120 ltr Kits - In Wheeled Bins

120Ltr

Kits contain:
- 75 x Solent Prime pads (1.0 ltr/pad)
- 9 x Solent Plus 1.2m sock (4 ltr/sock)
- 8 x Solent Plus pillows (3.5 ltr/pillow)
- 10 x Disposal bags and ties (LUT-741-6430D)



EXTENDED RANGE

Kits - Complete with wheeled bin

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK120B	120 ltr	Wheeled Bin	Maintenance	**-6350D**
POK120B	120 ltr	Wheeled Bin	Oil-Only	**-6360E**
PCK120B	120 ltr	Wheeled Bin	Chemical	**-6370F**

Refills - Absorbents and bags only, as listed above

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMKR120B	120 ltr	-	Maintenance	**-6351E**
POKR120B	120 ltr	-	Oil-Only	**-6361F**
PCKR120B	120 ltr	-	Chemical	**-6371F**

240 ltr Kits - In Wheeled Bins

Kits contain:
- 200 x Solent Prime pads (1.0 ltr/pad)
- 12 x Solent Plus 1.2m sock (4 ltr/sock)
- 10 x Solent Plus pillows (3.5 ltr/pillow)
- 18 x Disposal bags and ties (LUT-741-6430D)

240Ltr



EXTENDED RANGE

Kits - Complete with wheeled bin

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMK240B	240 ltr	Wheeled Bin	Maintenance	**-6400G**
POK240B	240 ltr	Wheeled Bin	Oil-Only	**-6410H**
PCK240B	240 ltr	Wheeled Bin	Chemical	**-6420J**

Refills - Absorbents and bags only, as listed above

Product Number	Nominal Capacity	Supplied In	Application	Order Code SOL-742
PMKR240B	240 ltr	-	Maintenance	**-6401H**
POKR240B	240 ltr	-	Oil-Only	**-6411J**
PCKR240B	240 ltr	-	Chemical	**-6421K**

Spill Kit Audit Covers

Yellow, weatherproof PVC covers with elasticated cord to allow fitting over the top of a 2-wheeled wheelie bin spill kit. A4 sized clear pouch for inserting audit record sheet. Tamperproof tape fitted on the container and cover indicates whether any of the contents have been used. Depleted spill kits are classified as **ISO 14001 non-conformity.** Available in sizes to fit wheelie bins of capacities: 120 and 240ltr.



Product Number	To Fit 2 Wheeled Bin Size	Order Code SOL-742
AVC 120	120ltr	**-5440V**
AVC 240	240ltr	**-5540V**

SITE MAINTENANCE

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SOLENT SPILL CONTROL

SPILL DEPOT

Engineered Dipsensing Solution

EXTENDED RANGE

- Avoids the need to use stock from spill kits (designed for emergencies) to satisfy everday requirements
- Versatile modular system - optional lockable cabinet
- Spindle location cand be adjusted to suit varying roll sizes

Engineered to provide compliance in a variety of locations, wherever spill response is required, providing an effective dispensing solution for pads and rolls.

- Can be free-standing or wall mounted
- Powder-coated steel construction
- Can also be used with 20 litre spill Tray





Optional Drip Tray
Fits into bottom of cabinet.

Pads and rolls supplied separately

Spill Depot

Product Number	Configuration	Dimensions W x D x H	Order Code **SOL-742**
MSD41	1 Bay	60 x 45 x 60cm	**-8329G**
MSD42	2 Bays	60 x 45 x 127cm	**-8330H**
MSD43	3 Bays	60 x 45 x 187cm	**-8331J**
MSD44	1 Bay + Cabinet	60 x 45 x 127cm	**-8310K**
MSD45	2 Bays + Cabinet	60 x 45 x 187cm	**-8332K**

Optional Drip Tray

Product Number	Fluid Capacity	Dimensions W x D x H	Order Code **SOL-741**
SGST-20	20 ltr	60 x 40 x 15cm	**-5680M**

SOLENT SPILL CONTROL

Spill Barrow

- This superb product is a 'must-have' where granular absorbents are used
- The 60ltr front hopper is fitted with a lid and can be used for granular absorbents, salt or grit
- The 100ltr rear bin is designed to take a waste bag for collecting used product
- Front mounted castors for easy manoeuvring
- Manufactured from 100% polyethylene

NEW



Product Number	Dimensions	Order Code **SOL-741**
SSB135	136cm x 71cm x 96.5cm	**-6000Z**

Clay Absorbent Granules

- Industrial general purpose granules made from a naturally occurring mineral, Attapulgite, which can be used for absorbing most fluids including water, oil and fuels
- Industry's most widely used granule type
- Non-toxic, chemically inert and fire retardant **BS 476 Part 7, Class 1** rated
- Quick and easy to use
- Excellent absorbency performance - up to 12 litres per bag



Product Number	Granule Type	Pack Size	Absorbs Per Bag	Order Code **SOL-742**
SCG025	Clay	20 ltr	12 ltr	**-8250A**

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SOLENT SPILL CONTROL Polyurethane Drain Covers

EXTENDED RANGE

- Constructed from dual hardness laminated polyurethane with no fillers. High tack surface creates a tough, durable seal
- Low weight, easy to handle and can be used quickly for emergency spills
- Designed to be re-used - can be cleaned using soap and water and re-stored using the film cover
- Chemically resistant - can be used with a wide range of oils, fuels, solvents and other chemicals
- Environmentally safe
- Storage holdalls are also available separately, see below





Product Number	Material	Dimensions	Colour	Order Code SOL-741
SDC464P	Polyurethane	46cm x 46cm	Yellow	-3026A
SDC616P	Polyurethane	61cm x 61cm	Yellow	-3030D
SDCSB61	*SDC616P complete with Storage Bag*			-3240K
SDC919P	Polyurethane	91cm x 91cm	Yellow	-3050F
SDCSB91	*SDC919P complete with Storage Bag*			-3248M

Translucent Drain Covers

- Translucent polymer construction enables site managers and safety officers to quickly confirm that waste water systems are free of oils, chemicals and other spilt contaminants
- Re-usable - designed for multiple applications
- With lapped reinforced edges

EXTENDED RANGE



Product Number	Material	Dimensions	Colour	Order Code SOL-741
SDC616C	Polyurethane	61cm x 61cm	Clear	-3039C
TSDCSB61	*SDC616C complete with Storage Bag*			-3755D

Reinforced Polyurethane Drain Covers

Lapped reinforced edges. Suitable for use in high traffic areas, can be driven over.

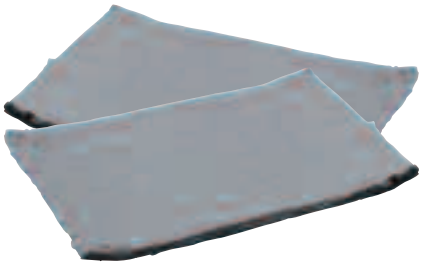


Product Number	Material	Dimensions	Colour	Order Code SOL-741
SRDC61	Polyurethane	61cm x 61cm	Clear	-3450M
SRDCSB61	*SRDC61 complete with Storage Bag*			-3482K

Your first line of defence against environmental contamination. Re-usable polyurethane or single use clay covers which are extremely malleable for use on uneven surfaces.

Single-Use Clay Drain Covers

- Made from chemically inert clay, that will not react to or with any chemical
- Extremely malleable for use on an uneven surface - will mould itself to the ground
- Hessian netting runs through the product to afford maximum strength - Supplied poly wrapped to enhance the storage life
- Can be carried on vehicles as part of an ADR kit
- For single-use only
- **Pack of 2**





Product Number	Material	Dimensions	Colour	Order Code SOL-741
SDC614	Bentonite	65cm x 65cm	Grey	-3020C

Drum Plug (Leak Block)

- Made from chemically inert bentonite clay that forms a barrier to aqueous liquids
- Provides temporary plugging of holes in drums or pipes
- Pre-mixed ready to use putty - No surface preparation is required
- Ideal for rapid response to unexpected releases of liquid
- High tack putty applies directly onto drum or tank to form a liquid-tight seal
- For fuel and chemical leaks
- Non-toxic, non-flammable



Product Number	Material	Tub Size	Colour	Order Code SOL-741
Drum-Plug	Bentonite	1 kg	Grey	-2880R

Drain Cover Storage Bags

- For use with all polyurethane drain covers, can also be used to hold 1kg tubs of Drum Plug premixed clay putty
- Heavy duty vinyl construction

NEW



Product Number	To Suit Drain Cover Size	Holdall Dimensions	Order Code SOL-741
SVH-70	46cm/61cm	15.5cm dia. x 70cm	-6340M
SVH-100	91cm	15.5cm dia. x 100cm	-6340P

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BATTERY SIZE CONVERSIONS

Size	Equivalent To	Volts
AAA	MN2400/LR03/R03U	1.5
AA	MN1500/LR6/HP7/R6U	1.5
C	MN1400/LR14/HP11/R14U	1.5
D	MN1300/LR20/HP2/R20U	1.5
9V	MN1604/6F22(U)/6LR61/PP3	9.0
996	PJ996/4R25(R)	6.0
1289	B1289/3R12	4.5
REMOTE	MN9100/LR1	1.5

EDISON Lithium Coin Battery

These lithium coin batteries are commonly used in car security (alarm/key fobs), organizer back-up batteries for PDA such as Psion etc., glucometers, cameras, electric thermometers, calculators, computer equipment (memory back-up battery), toys, accutron, communication equipment, watches, clocks, car radios, video camera data packs. They are the same size and replace the following batteries: DL2032, E-CR2032 and SB-T51.



Battery Size	Volt	Pack Quantity	Order Code EDI-904	
CR2032	3V	1	-3240K	N/A

Silver Oxide Button Battery

These popular silver oxide batteries are commonly used in watches, calculators, toys and small electrical equipment.
With exactly the same dimensions, they can replace: D303, D357, Gs13, 228, 357, 280-62, J, SB-B9, SR1154, SR44, SR44W, SR44H, 541,SP357, V357, 4276, KS76, 280-8, SR76E and 1131SO batteries.



Battery Size	Volt	Pack Quantity	Order Code EDI-904	
SR44	1.5V	1	-4000K	N/A

Alkaline Batteries

A range of alkaline batteries that offer significantly longer life than zinc carbon batteries in high-drain appliances. Suitable for torches, radios, answerphones, toys, calculators, pagers, remote controls, smoke alarms and many other portable electrical appliances.



ALKALINE

Battery Size	Volt	Pack Quantity	Order Code EDI-904	
AA	1.5V	4	-3020K	N/A
AAA	1.5V	4	-3040K	N/A
C	1.5V	2	-3080K	N/A
D	1.5V	2	-3100K	N/A
6LR61	9V	1	-3000K	N/A

PJ996 6V Lantern Battery

The Edison PJ996 zinc chloride battery is ideal for lanterns, torches and most traffic management lighting, i.e. road construction and maintenance.



ZINC

Battery Size	Volt	Order Code EDI-904	
PJ996	6V	-3500K	N/A

Bulk Value Battery Multi Pack



Contents	Order Code EDI-904	
5 Packs AA & 2 Packs AAA	-5000K	N/A

LED Torch Battery Set

LED torches with six super bright white LEDs. 100,000 hour LED life. Never needs a replacementbulb.

Contents: One LED torch plus 4 packs of AA batteries



Casing	Length (mm)	Order Code EDI-904
Aluminium	175	-2922K
Black	175	-2923K

Bulbs

To suit Edison pocket mini torches and security flashlights.



Description	To Suit Torch	Pack Qty	Order Code EDI-913
Vacuum Bulb			
2.4V/0.4A dia. 5mm	EDI-904-0150K	1	-0240K
	EDI-904-0700K	1	
Quartz Halogen Bulb			
6.0V/55W	EDI-904-2000K	1	-1400K

Description	To Suit Torch	Pack Qty	Order Code EDI-913
Xenon Bulb			
2.4V/0.85	EDI-904-282/286	2	-1100K
3.6V/0.85	EDI-904-2870K	2	-1120K
4.8V/0.85		2	-1140K
Spot Clear Bulb			
12V/0.25	EDI-904-2100K	2	-2060K

Description	To Suit Torch	Pack Qty	Order Code EDI-913
Krypton Bulb			
2.4V/0.35A	EDI-904-2800K	1	-0300K
2.4V/0.4	EDI-904-0600K	1	-1600K
2.4V/0.75	235/232/	2	-0920K
3.6V/0.75	230/236	2	-0940K
3.6V/0.75 Push in	EDI-904-0300K	1	-0360K
3.6V/0.75 Screw in	EDI-904-0200K	1	-0380K
4.8V/0.75		2	-0960K
6.0V/0.75	EDI-904-0250K	1	-0600K
6.0V/0.75	EDI-904-0350K	1	
9.0V/0.75	EDI-904-0400K	1	-0900K

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EDISON LED Torches

Six super bright white LEDs. 100,000 hour LED life. Battery life up to 50 hours (continuous). Precision machined high strength aluminium alloy case. Twist on/off. Corrosion-resistant anodised finish. Water and impact resistant. Complete with wrist strap. All joints sealed with 'O' rings. Engineered and superbly balanced to give many years service.



Never needs a replacement bulb

Model Number	Casing	Batteries Required	Length (mm)	Order Code EDI-904
TAL010S	Aluminium	2x AA	175	**-2550K**
TAL010B	Black	2x AA	175	**-2560K**

Aluminium Soft Grip LED Torches

Water and impact resistant anodised aluminium case with rubber grip. Ultra bright long life LEDs with optical lens to produce a clear white light. Positive push button operation. All joints sealed with 'O' rings.



Model Number	Batteries Required	Length (mm)	Order Code EDI-904
TAS03M	3x AAA	130	**-2610K**
TAS03S	2x AA	170	**-2600K**
TAS05L	2x C	180	**-2620K**
TAS07L	2x D	213	**-2630K**

Combi Stretch Light

TCS060

6 LED stretch torch that can be used as either a torch or a lantern. Push the housing together for a focused beam of light, or stretch the torch to illuminate a wider area. Ultra bright energy-saving LEDs give a typical battery life of approximately 24 hours. Comes complete with a cord wrist strap. Requires 4x AAA batteries (not included).

Overall length: 115mm.



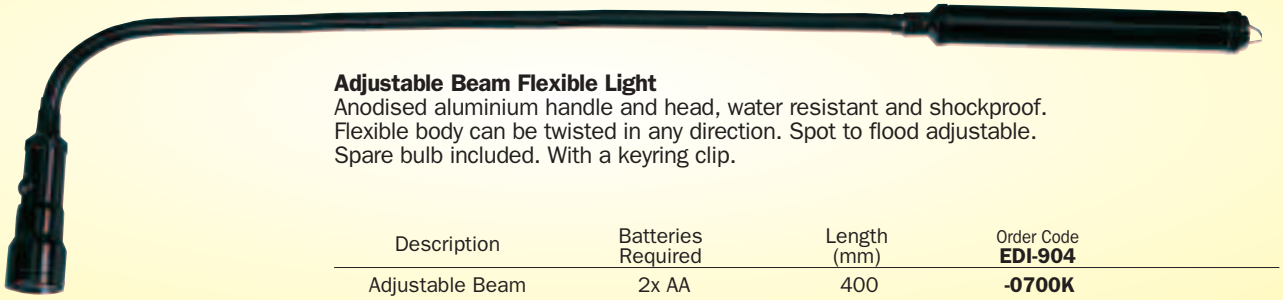
Pull the housing open to illuminate a wider area or push to close for a focused beam of light



Product Number	Batteries Required	Order Code EDI-904
TCS060	4x AAA	**-2700K**

Flexible Light

Anodised aluminium handle and head, water-resistant and shockproof. Body can be twisted in any direction. Spare bulb included.



Adjustable Beam Flexible Light
Anodised aluminium handle and head, water resistant and shockproof. Flexible body can be twisted in any direction. Spot to flood adjustable. Spare bulb included. With a keyring clip.

Description	Batteries Required	Length (mm)	Order Code EDI-904
Adjustable Beam	2x AA	400	**-0700K**

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KENNEDY 24 LED Worklight

LWL024
24 super bright LEDs. Magnetic base. Soft touch durable composite casing. 360° swivel hanging hook for hands free applications. 3 x AA batteries supplied. Lasts for 4 - 5 hours approx. IP20 moisture protection.

Length: 208mm.



Type	Weight each	Order Code KEN-503
3x AA Batteries	260g	-5110K

30+ 7 LED Rechargeable Worklight - 230V

37 super bright LEDs. Dual use as an inspection lamp or directional torch. Moisture protection IP44. Two magnets and two 360° swivel hanging hooks for hands free applications. Lower quarter of lamp rotates 180° to use as a stand. Supplied with AC/DC mains charger and 12V DC in-car charger for portable charging. 7.2V (800mAh) Lithium-Ion battery. Main light lasts up to 4 hours, and directional light lasts up to 20hrs, when fully charged.



Voltage	Weight each	Order Code KEN-503
230V	260g	-5100K

EDISON Rechargeable Lamp

ILR330
30 LED rechargeable lamp.
Features:
- Oil/water resistant (IP68) heavy-duty rubber and polycarbonate case.
- Lasts up to 6 hours when fully charged.
- Adjustable brightness.
- Optional flashing mode.
- Foldaway swivel hanging hook.
- Powered by high capacity lithium-ion polymer batteries.

Comes complete with bench/wall mountable charging base.



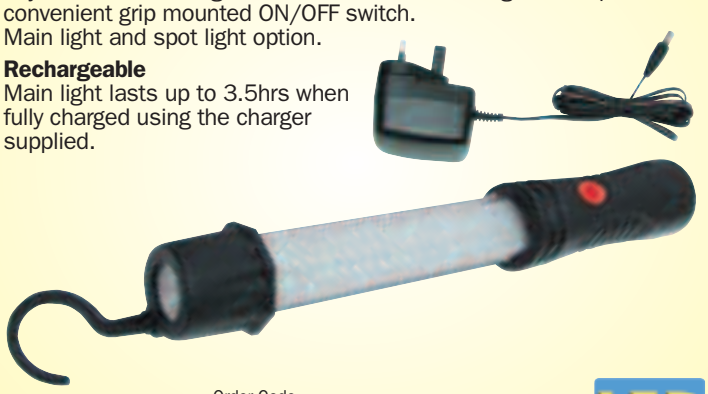
Rated to IP68

Length	Order Code EDI-904
330mm	-1100K

KENNEDY LED Inspection Lamps

Durable and robust construction with a rubber handle and end cup, plus a sturdy swivel hanging hook making it ideal for use in engine bays and other low light work areas. Anti-roll hexagonal shape with a convenient grip mounted ON/OFF switch.
Main light and spot light option.

Rechargeable
Main light lasts up to 3.5hrs when fully charged using the charger supplied.



Type	Order Code KEN-503
Rechargeable	-5080K

EDISON LED Swivel Head Torch

LSH070
Adjustable head torch with three lighting levels. Gives an ultra-bright white light provided by 7 LEDs. 5 stage tilting head. Adjustable top and side straps for total comfort and stability. Ideal torch for any low light activity.

Batteries: 3x AAA (not supplied).



Product Number	Order Code EDI-904
LSH070	-2650K

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EDISON Super Bright LED Rechargeable Spotlight

ELRS001
Weatherproof. High and standard brightness mode. SOS distress signal. Emergency light/blinking light. Two position handle, to ensure comfortable and ergonomic access. Swivel stand. Battery level indicator. 6V 4Ah sealed lead acid battery. Supplied with AC/DC mains charger and 12V DC car plug adaptor.

Battery operation times (18 hrs full charge):
- Standard brightness mode up to 8 hours.
- High brightness mode up to 3 hours.
- SOS distress mode up to 20 hours.
- Emergency light up to 25 hours.
- Emergency blinking light up to 50 hours.



Product Number	Weight	Order Code EDI-904
ELRS001	1.46kg	-1060K

LED

2.5 Million Candle Power Rechargeable Lantern

ERS002
2.5 million candle power super bright quartz halogen spotlight/lantern. Weatherproof. Two position handle, to ensure comfortable and ergonomic access. Swivel stand/handle. 6V 4Ah sealed lead acid battery. Supplied with AC/DC mains charger and 12V DC car plug adaptor for portable charging.

Battery operation time (20 hours full charge): 20 minutes.



Product Number	Candle Power	Order Code EDI-904
ERS002	2.5M	-1050K

Super Bright LED Rechargeable Spotlight

ELRW306
36 super bright LEDs. Push up telescopic design. Three light modes: 30 LED worklight - directional six LED torch - dual operation. Anti-slip rubber housing. Incorporated magnetic base. Shock, water and oil resistant. Rechargeable Li-ion battery. LED indicator and overcharge protection. Supplied with mains charger and in-car charger.

Operating times: 6 LED upto 25 hours, 30 LED up to 5 hours, 30+6 LED up to 4 hours.



Product Number	Weight	Order Code EDI-904
ELRW306	530g	-2730K

LED

LED Rechargeable Spotlight

ELRS002
2 million candle power LED rechargeable spotlight. Super bright one watt LED light. Side LED tube light. Two position handle, to ensure comfortable and ergonomic access. Swivel handle. 6V 4Ah sealed lead acid battery. Supplied with AC/DC mains charger and 12V DC car plug adaptor for portable charging.

Battery operation times (10 hours full charge):
- Main spot light up to 6 hours.
- Side LED tube light up to 70 hours.



Product Number	Candle Power	Order Code EDI-904
ELRS002	2.0M	-1070K

LED

SITE MAINTENANCE

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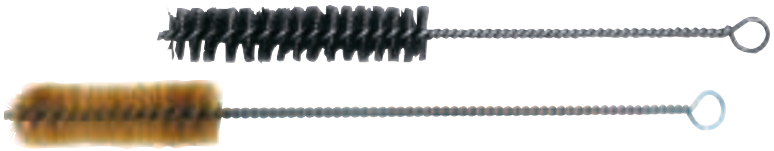
KENNEDY Twisted Wire Tube Brushes

Twisted wire handle for hand use. For industrial maintenance, agricultural, workshop, machinery etc. For decarbonising and heavy duty cleaning use of tubes, struts, awkward places etc.



Dia. (mm)	Brush Length	Overall Length	Order Code KEN-906
		Steel	
10	100mm	215mm	**-1030K**
15	105mm	215mm	**-1050K**
20	100mm	210mm	**-1060K**
25	100mm	215mm	**-1100K**
30	80mm	210mm	**-1120K**
		Brass	
6	75mm	300mm	**-1620K**
10	75mm	300mm	**-1630K**
12	75mm	300mm	**-1640K**
16	75mm	300mm	**-1650K**
19	75mm	300mm	**-1660K**
25	75mm	300mm	**-1700K**

7 Piece Set Contents:
Tube brushes: 1x 10, 15, 20, 25 and 30mm diameter.
Nylon slimline brushes: 1x curved and 1x straight.

Number of Pieces	Weight each	Order Code KEN-906
7	200g	**-9010K**



6mm Plain Shank
For use in power tools.

Dia. (mm)	Brush Length	Overall Length	Order Code KEN-906
		Steel	
15	60mm	100mm	**-1250K**
20	60mm	103mm	**-1260K**
25	60mm	120mm	**-1300K**
30	60mm	115mm	**-1320K**
35	60mm	110mm	**-1330K**
		Brass	
15	60mm	100mm	**-1450K**
20	60mm	100mm	**-1460K**
25	70mm	120mm	**-1500K**
30	65mm	120mm	**-1520K**
35	60mm	120mm	**-1530K**

10 Piece Set

Contents	Weight each	Order Code KEN-906
1 each of above	550g	**-9020K**

Tubing Brush Plastic Handle

For manual use in cleaning tubes and removing soft deposits in condenser and heat exchanger equipment.

NEW

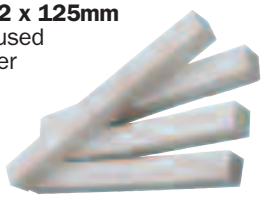


Dia. (mm)	Brush Length	Overall Length	Order Code KEN-906
6			**-3020K**
9			**-3030K**
12			**-3040K**
15			**-3050K**
18			**-3060K**
22			**-3070K**
25			**-3080K**
28			**-3090K**
35			**-3100K**

French Chalk

Square Sticks - 10 x 100mm
For general layout marking in a wide variety of applications from marking tailor's seams and weld marking on sheet materials in fabrication industries.

Flat Sticks - 5 x 12 x 125mm
Flat sticks can be used with separate holder (CTL-885-7359D).



Shape	Pack Quantity	Weight each	Order Code KEN-910
Square	50	1.30kg	**-0200K**
Flat	144	3.74kg	**-1000K**

Slimline Brushes

Plain metal handles, with steel wire or nylon bristle filling. Suitable for heavy duty cleaning and decarbonising.



Straight Head **Curved Head**

Type	Head Length	Order Code KEN-906
Steel - Straight Head	50mm	**-1800K**
Nylon - Straight Head	50mm	**-1850K**
Steel - Curved Head	70mm	**-1900K**
Nylon - Curved Head	70mm	**-1950K**

Identity Discs - Numbered

Suitable for all identification uses component/batch/labelling, store/user tracking, key identification etc. 30mm outside diameter.



Type	Material	Order Code KEN-937
1 - 100 (Pack of 100)	Aluminium	**-1130K**
	Brass	**-2130K**

Identity Discs - Plain

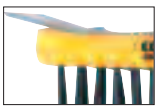
Suitable for all identification uses component/batch/labelling, store/user tracking, key identification etc. 30mm outside diameter.



Type	Material	Order Code KEN-937
Plain (Single)	Aluminium	**-1030K**
	Brass	**-2030K**

COTSWOLD Wire Scratch Brushes

A range of plastic handled scratch brushes with cast steel bristles.



*With scraper.

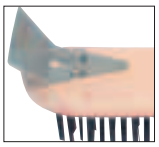


Number of Rows	Order Code COT-906
1	**-6100K**
2	**-6200K**
3	**-6300K**
4	**-6400K**
4*	**-6450K**
5	**-6500K**

KENNEDY Wire Scratch Brushes

Designed for cleaning all rough surfaces on a variety of materials to remove paint, dirt, rust and stubborn deposits. Hardwood stocks.

Bristle type: cast steel.
For general-purpose work.



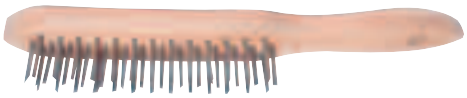
* With scraper



Number of Rows	Weight each	Order Code KEN-906
2	85g	**-6200K**
3	115g	**-6300K**
4	130g	**-6400K**
4*	155g	**-6450K**

Stainless Steel
Stainless steel wire scratch brushes are used predominantly in stainless steel welding processes, where the use of an ordinary wire scratch brush would create the risk of contamination of the weld.

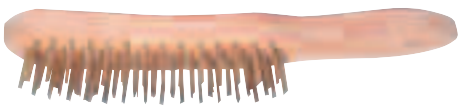
Bristle type: stainless steel.



Number of Rows	Weight each	Order Code KEN-906
2	140g	**-7200K**
3	210g	**-7300K**
4	220g	**-7400K**

Brass
These brass wire brushes are used in situations where there could be a potential fire or explosion hazard. Brass wire brushes will not cause a spark.

Bristle type: brass.



Number of Rows	Weight each	Order Code KEN-906
2	130g	**-8200K**
3	220g	**-8300K**
4	230g	**-8400K**

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MATLOCK Aluminium Folding Platform Steps

Made from strong lightweight aluminium with non-slip treads and platform. Available in 3 and 4 step versions and featuring safety rail. Manufactured to **EN131** and able to handle a maximum load of 150kg.

3 Tread - overall height including safety rail:
Opened: 1234mm.
Platform height: 629mm.

4 Tread - overall height including safety rail:
Opened: 1452mm.
Platform height: 847mm.

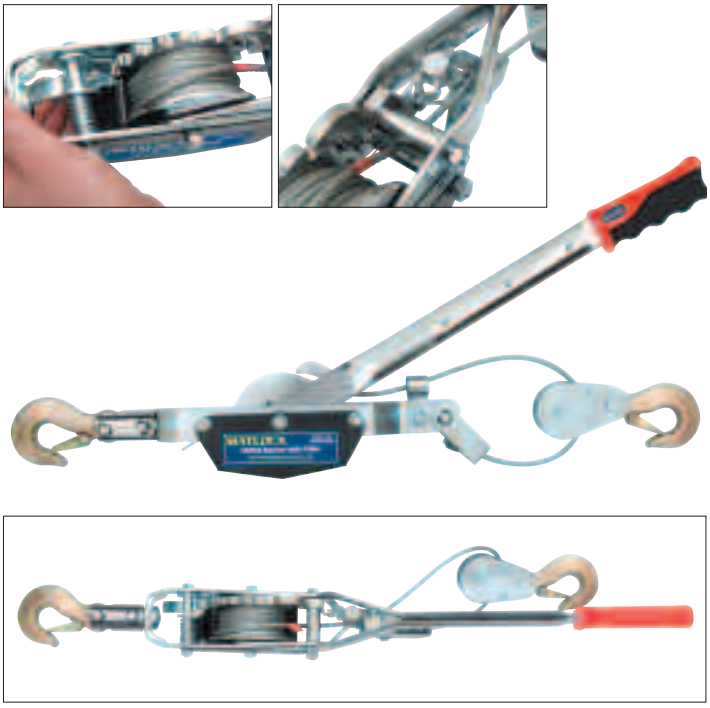
NEW



Product Number	No. of Treads	Platform Height	Order Code MTL-939
MFP03	3	629mm	**-5830K**
MFP04	4	847mm	**-5840K**

Ratchet Cable Puller -1300kg

Robustly constructed from galvanised steel with a powder coated body, hardened steel hooks with spring catches. It has a heavy duty swivel on the anchoring hook, 3.6m of 5mm aircraft cable giving a 1.5m pull and a sprung ratchet pawl.
Suitable for pulling: trees, roots, fencing wires, vehicles, machines, boats, trailers, caravans etc.



Capacity	Order Code MTL-941
1300kg	**-2020K**

MATLOCK Webbing Slings

High strength to weight ratio, light to handle and easy to use. Shock absorbing construction and wide load bearing area produce a secure grip and eliminate damage to the load. All types are made from oil and acid resistant polyester, treated with a wear resistant impregnation. All sizes are colour coded to indicate 'SWL' (safe working load), rating and marked with traceability code. These ratings are for a straight line pull only. Other variations of pull are shown below along with the relevant 'SWL'.

All slings come complete with test certificate.

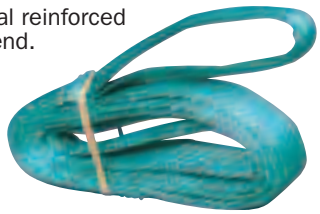
Supplied with Certificate of Conformity

Safe Working Loads

Straight Line	Choker	Basket	Basket 90°*	Basket 120°*
1,000kg	800kg	2,000kg	1,400kg	1,000kg
2,000kg	1,600kg	4,000kg	2,800kg	2,000kg
3,000kg	2,400kg	6,000kg	4,200kg	3,000kg
4,000kg	3,200kg	8,000kg	5,600kg	4,000kg
5,000kg	4,000kg	10,000kg	7,000kg	5,000kg

Flat Slings

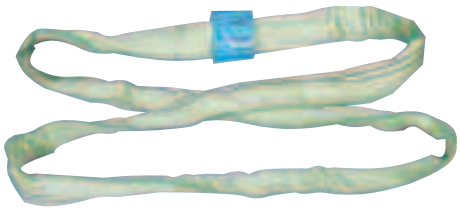
With flat metal reinforced eye at each end.
Made to **BS 3481:2**.



Working Length (M)	Width (mm)	'SWL' (kg)	Order Code MTL-942
Simplex Type - Single Thickness			
2	60	1,000	**-5010K**
	120	2,000	**-5020K**
	180	3,000	**-5030K**
3	60	1,000	**-5110K**
	120	2,000	**-5120K**
	180	3,000	**-5130K**
4	60	1,000	**-5210K**
	120	2,000	**-5220K**
	180	3,000	**-5230K**
Duplex Type - Double Thickness			
2	30	1,000	**-5510K**
	60	2,000	**-5520K**
	90	3,000	**-5530K**
	120	4,000	**-5540K**
	150	5,000	**-5550K**
3	30	1,000	**-5610K**
	60	2,000	**-5620K**
	90	3,000	**-5630K**
	120	4,000	**-5640K**
	150	5,000	**-5650K**
4	30	1,000	**-5710K**
	60	2,000	**-5720K**
	90	3,000	**-5730K**
	120	4,000	**-5740K**
	150	5,000	**-5750K**
6	30	1,000	**-5810K**
	60	2,000	**-5820K**
	90	3,000	**-5830K**
	120	4,000	**-5840K**
	150	5,000	**-5850K**

Endless Round Slings

Made to **BS 6668 : Part 2**.



Working Length (M)	Width (mm)	'SWL' (kg)	Order Code MTL-942
0.5	45	1,000	**-1960K**
	50	2,000	**-1970K**
	60	3,000	**-1980K**
	80	5,000	**-2000K**
1	45	1,000	**-2010K**
	50	2,000	**-2020K**
	60	3,000	**-2030K**
	80	5,000	**-2050K**
1.5	45	1,000	**-2060K**
	50	2,000	**-2070K**
	60	3,000	**-2080K**
	70	4,000	**-2090K**
	80	5,000	**-2100K**
2.0	45	1,000	**-2110K**
	50	2,000	**-2120K**
	60	3,000	**-2130K**
	70	4,000	**-2140K**
	80	5,000	**-2150K**
2.5	45	1,000	**-2160K**
	50	2,000	**-2170K**
	60	3,000	**-2180K**
	70	4,000	**-2190K**
	80	5,000	**-2200K**
3.0	45	1,000	**-2210K**
	50	2,000	**-2220K**
	60	3,000	**-2230K**
	70	4,000	**-2240K**
	80	5,000	**-2250K**

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MATLOCK Hand Chain Hoists

Quality made 2.5m and 3m chain hoists with a capacity ranging from 500 to 3000kg. Fitted with heat treated and ground, triple-spur geared shaft and pinion. Hooks fitted with robust safety latches and 360 degree rotation. All models include mechanical load brake for extra safety.

EN 13157+A1:2009 and **EC** Council Directive **2006/42/EC** Machinery compliant.

NEW



Capacity (1000kg)	0.5	1	2	3	5
Standard Lift (M)	2.5	2.5	3	3	3
Running Test Load (1000kg)	6.3	12.5	25	37.5	75
No. Columns of Load Chains	1	1	1	2	2
Load Chain Diameter (mm)	6	6	8	8	10

Capacity	Order Code MTL-941
500kg	**-4200K**
1000kg	**-4210K**
2000kg	**-4220K**
3000kg	**-4230K**
5000kg	**-4240K**

Lever Hoists

750 to 3000kg range capacities. Fitted with heat treated and ground, triple-spur geared shaft and pinion.
Hooks fitted with robust safety latches and rotate 360 degrees. Includes mechanical overload brake for extra safety.

EN 13157+A1:2009 and **EC** Council Directive **2006/42/EC** Machinery compliant.

NEW



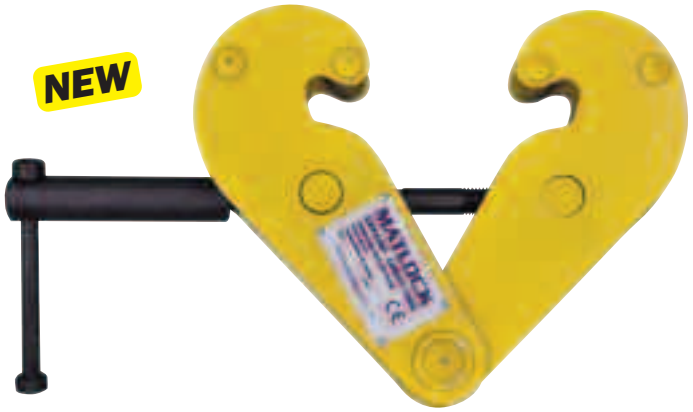
Capacity (1000kg)	0.75	1.5	3
Standard Lift (M)	1.5	1.5	1.5
Running Test Load (1000kg)	11.0	22.0	37.5
No. Columns of Load Chains	1	1	1
Load Chain Diameter (mm)	6	8	10

Capacity	Order Code MTL-941
750kg	**-6200K**
1500kg	**-6220K**
3000kg	**-6250K**

Beam Clamps

1000 to 5000kg range capacities. Clamp jaw designed to reduce flange stress by distributing load away from beam edge.
Easily mounted with threaded handle. Fits a wide range of flange widths and beams.
EN 13155:2003 + A2:2009 and **EC** Council Directive **2006/42/EC** Machinery compliant.

NEW



Lifting Capacity	Flange Width	Order Code MTL-941
1000kg	75 - 220mm	**-1010K**
2000kg	75 - 220mm	**-1020K**
3000kg	80 - 320mm	**-1030K**
5000kg	80 - 320mm	**-1050K**

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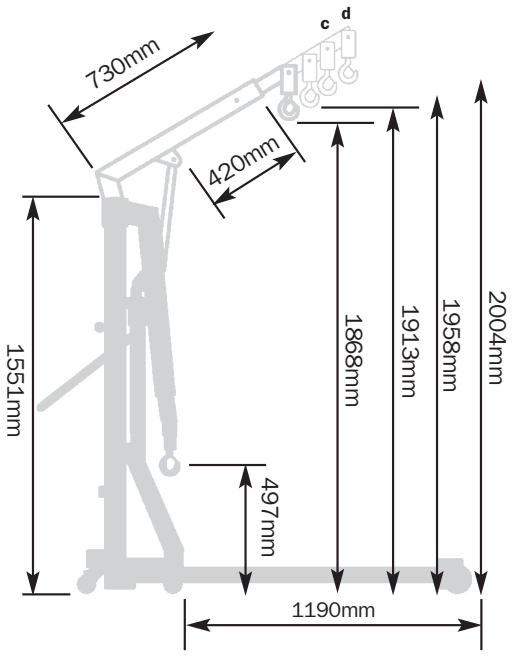
KENNEDY 1,000kg Folding Mobile Crane

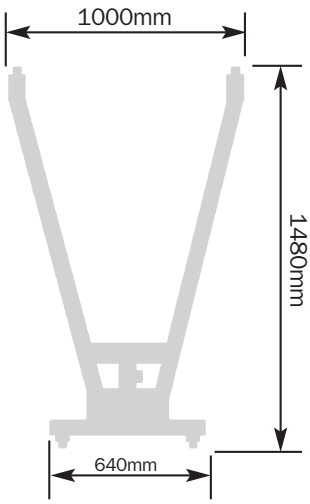
Ideal for home workshops or garages. Folding design for easy storage and transportation. Flow control valve for precise lowering and positioning. Overload safety valve. Hydraulic operation
providing easy lifting. Heavy duty swivel hook with safety latch. four different jib options. Heavy duty castors.

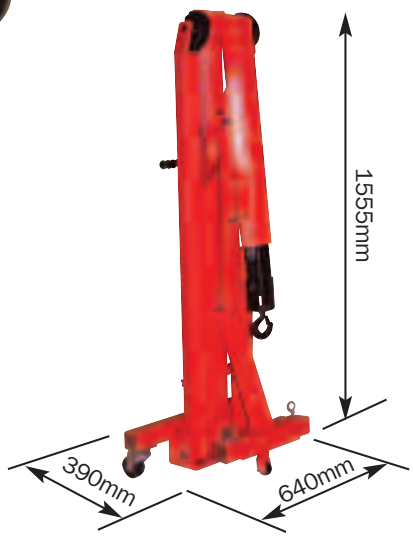


Model number	FMC001.
Order Code	KEN-941-3670K.
Lifting capacity position (a)	1,000kg.
Lifting capacity position (b)	750kg.
Lifting capacity position (c)	500kg.
Lifting capacity position (d)	250kg.
Maximum lifting height at minimum jib extension	1868mm.
Maximum lifting height at maximum jib extension	2004mm.
Length of jib in position (a)	865mm.
Length of jib in position (b)	955mm.
Length of jib in position (c)	1045mm.
Length of jib in position (d)	1135mm.
Clearance height of legs	130mm.
Length of frame	1480mm.
Overall clearance height	1555mm.
Maximum width of frame	1000mm.
Distance between rear wheel centres	640mm.
Weight	91kg.

1 tonne (metric ton or t) = 1000kg
1 ton (imperial ton) = 2240lbs (1016kg)







Model Number	Capacity	Max. Hook Height (mm)	Weight each	Order Code **KEN-941**
FMC001	1,000kg	2445	91kg	**-3670K**

Spares for above	Description	Weight each	Order Code **KEN-567**
	Seal Repair Kit	9g	**-8200K**
	Replacement Ram		**-8800K**

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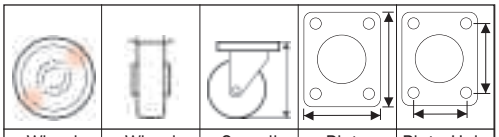
ATLAS Black Rubber Tyre Plastic Centre

Suitable for use on most surfaces and for humid environments where medium harsh chemicals may be present.
Quiet running with 'cushioned' tyre. Not recommended for use where mineral or organic acids are present.
Operating temperature range -20°C to +60°C.

For dimensions see right.

EXTENDED RANGE



Wheel Diameter	Wheel Width*	Overall Height	Plate Size	Plate Hole Centres
80	25	108	100 x 80	80 x 60
100	30	127	100 x 80	80 x 60
125	37	155	100 x 80	80 x 60
160	40	197	120 x 106	105 x 80
200	50	240	129 x 106	105 x 80

Except for "Red Polyurethane Tyre" type castors. See detail on next page.







Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate Order Code ATL-945	Swivel-Type with Top Plate & Brake Order Code ATL-945	Fixed-Type with Top Plate Order Code ATL-945	Swivel-Type with Bolt Hole Order Code ATL-945	Swivel-Type with Bolt Hole & Brake Order Code ATL-945	Wheel Only Order Code ATL-945
80	65	-5115K	-5125K	-1170K	-5135K	- -	-5610K
100	80	-5215K	-1180K	-1220K	-5230K	- -	-5620K
125	110	-0930K	-5320K	-1230K	-5330K	- -	-5630K
200	200	-1190K	-1240K	-5500K	-1814K	- -	-5650K

Black Rubber Tyre Steel Centre Wheel with Roller Bearing

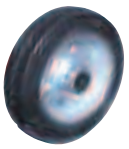
For smooth running with heavier loads. Suitable for use on most surfaces and for humid environments where medium harsh chemicals may be present. Quiet running with 'cushioned' tyre. Not recommended for use where mineral or organic acids are present. Operating temperature range -20°C to +60°C.

For dimensions see top-right.

EXTENDED RANGE





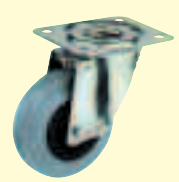
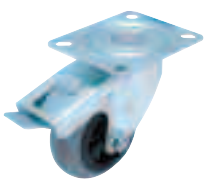
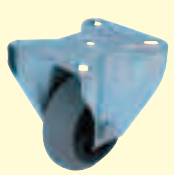
Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate Order Code ATL-945	Swivel-Type with Top Plate & Brake Order Code ATL-945	Fixed-Type with Top Plate Order Code ATL-945	Swivel-Type with Bolt Hole Order Code ATL-945	Swivel-Type with Bolt Hole & Brake Order Code ATL-945	Wheel Only Order Code ATL-945
80	60	-2525K	-2545K	-1020K	-2535K	-2555K	-3210K
100	70	-2615K	-2635K	-2605K	-1110K	-1200K	-3220K
125	100	-2715K	-2735K	-1120K	-2720K	-2740K	-3230K
160	180	-2915K	-1040K	-1030K	-2920K	-2940K	-3250K
200	200	-3015K	-3035K	-1130K	-3020K	-3040K	-3260K

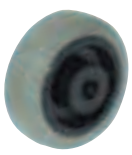
Grey Rubber Tyre, Plastic Centre Wheel with Plain Bore

Non-marking, quiet running 'cushioned' rubber tyre. Suitable for use on hard floors (cement, tiles, etc) and for humid environments where medium harsh chemicals may be present. Not recommended for use with organic solvents, chlorinated substances, hydrocarbons or mineral oils. Operating temperature range -20°C to +60°C.

For dimensions see top-right.

EXTENDED RANGE

Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate Order Code ATL-945	Swivel-Type with Top Plate & Brake Order Code ATL-945	Fixed-Type with Top Plate Order Code ATL-945	Swivel-Type with Bolt Hole Order Code ATL-945	Swivel-Type with Bolt Hole & Brake Order Code ATL-945	Wheel Only Order Code ATL-945
				Zinc Plated			
80	60	-6020K	-5150K	-1010K	-1100K	- -	-2410K
100	70	-2120K	-5160K	-2105K	-2140K	-2170K	-2430K
125	100	-2215K	-2245K	-2205K	-2220K	-2250K	-
				Stainless Steel			
80	60	- -	- -	- -	-2040K	- -	-2410K
100	70	-2130K	- -	-2110K	-2150K	-2180K	-2430K
125	100	- -	- -	- -	-2230K	-2260K	- -

SITE MAINTENANCE

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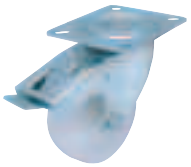
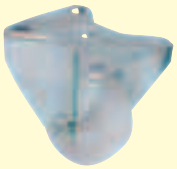
ATLAS Nylon Wheel with Plain Bore

Suitable for use on compacted floors (cement, tiles, etc.) Particularly recommended for the food processing industry.
Not recommended for use where mineral or organic acids are present.
Operating temperature range -10°C to +60°C.

EXTENDED RANGE

For dimensions see previous page.

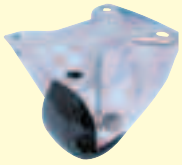
Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate	Swivel-Type with Top Plate & Brake	Fixed-Type with Top Plate	Swivel-Type with Bolt Hole	Swivel-Type with Bolt Hole & Brake	Wheel Only
							
		Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945
				Zinc Plated			
80	80	-7830K	-3875K	-7810K	-5170K	-3895K	-4400K
100	125	-3930K	-5180K	-3910K	-3955K	-3995K	-4410K
125	130	-4030K	-4070K	-4010K	-4050K	-1210K	-4420K
200	200	-1050K	-1140K	-4210K	-4250K	-4290K	-4440K
				Stainless Steel			
80	80	-3840K	- -	-3820K	-3860K	-3900K	-4400K
100	125	-3940K	-3980K	-3920K	-3960K	-4000K	-4410K
125	130	-4040K	-4080K	- -	-4060K	-4100K	-4420K
150	180	-4140K	- -	-4120K	- -	- -	- -
200	200	-4240K	-4280K	-4220K	-4260K	-5430K	-4440K

High Temperature Phenolic Resin Wheel with Plain Bore

Suitable for use on hard floors (cement, tiles, etc.) and for humid environments where medium harsh chemicals may be present.
Not recommended on uneven or rough surfaces. Operating temperature range -30°C to +300°C.

For dimensions see previous page.

EXTENDED RANGE

Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate	Swivel-Type with Top Plate & Brake	Fixed-Type with Top Plate	Swivel-Type with Bolt Hole	Swivel-Type with Bolt Hole & Brake	Wheel Only
							
		Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945
				Zinc Plated			
80	100	-3530K	- -	-3510K	- -	- -	-3700K
100	125	-3630K	- -	-3610K	-3650K	- -	-3710K
				Stainless Steel			
80	100	-3540K	- -	-3520K	-3560K	- -	-3700K
100	125	-3640K	- -	- -	-3660K	- -	-3710K

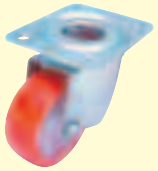
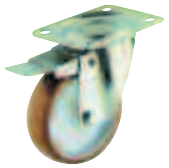
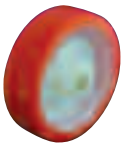
Red Polyurethane Tyre, Nylon Centre Wheel with Plain Bore

Suitable for use on most surfaces and for humid environments where medium harsh chemicals may be present. Quiet running with 'cushioned' tyre. Not recommended for use where mineral or organic acids are present.

Wheel widths as below,
for plate height and dimensions see previous page.

EXTENDED RANGE

Wheel Dia. (mm)	Wheel Width
80	25
100	30
125	37
160	40
200	50

Wheel Dia.(mm)	Load Max(kg)	Swivel-Type with Top Plate	Swivel-Type with Top Plate & Brake	Fixed-Type with Top Plate	Swivel-Type with Bolt Hole	Swivel-Type with Bolt Hole & Brake	Wheel Only
							
		Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945	Order Code ATL-945
				Zinc Plated			
80	120	-8520K	-4565K	-4505K	-4545K	-1150K	-5010K
100	130	-4620K	-5190K	-4605K	-4645K	-1090K	-5020K
125	130	-4720K	-8760K	-4705K	-1060K	-4780K	-5030K
200	200	-4925K	-4965K	-1070K	-4940K	- -	-5050K
				Stainless Steel			
80	120	-7208K	-7168K	-4510K	-4550K	-4590K	-5010K
100	130	-4630K	-7170K	-4610K	-4650K	-4690K	-5020K
125	130	-4730K	-4770K	-4710K	-4750K	-4790K	-5030K
200	200	-4930K	-4970K	- -	-4950K	- -	-5050K

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SITESAFE Anti-Fatigue Matting

Standing on a hard floor for prolonged periods without anti-fatigue matting can cause pain and discomfort in the lower legs, feet and back. Fatigue reduces concentration and therefore productivity. Anti-fatigue matting will increase comfort and productivity for workers who stand for long periods and substantially reduces stress, tiredness, aches and pains from standing on hard floors at work. Introducing anti fatigue matting into the workplace can provide staff with a more comfortable environment, which in turn encourages increased efficiency, concentration and productivity.

Diamond Zone

Manufactured from extremely hardwearing rubber capable of operating in high temperature environments. Diamond surface provides greater traction with extended wear and can be easily cleaned. Interlocking tile system enables the user to produce any required length. Also offers insulation against cold floors.

Colour: black.
Thickness: 12.5mm.



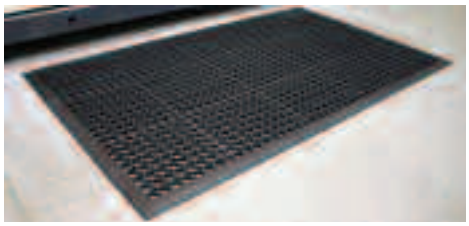
Thickness	Size (mm)	Order Code SSF-946
12.5mm	700 x 800	**-2640D**

Work Mat

Hard-wearing SBR rubber construction.
Raised circular surface for superior slip resistance - suitable for wet conditions.
Features a moulded bevelled edge to reduce tripping.
Conforms to Slip Resistance Test **EN13552 Category R10**.

EXTENDED RANGE

Colour: black.
Thickness: 10mm.



Thickness	Size (mm)	Order Code SSF-946
10mm	800 x 1200	**-8459E**
	900 x 1500	**-8460F**

Knee Saver Mat

Manufactured from a closed cell PVC/nitrile blend. Reduces knee pain and lower back stress caused by regular kneeling, ideal for pain relief during floor fitting.



Resistant to oils and chemicals.

Colour: black.

Size (mm)	Order Code SSF-946
530 x 360 x 25	**-4650R**

Ortho Lite

Cost effective anti fatigue matting. Offers the user relief from fatigue caused by standing.
Insulates against cold concrete floors.
Ideal for use in dry environments.
Pebble surface provides additional traction.

Colour: charcoal.
Thickness: 6mm.



Size (mm)	Order Code SSF-946
900 x 1500	**-5060F**
900 x 1820	**-5070H**

Ribbed Mat

Durable mat, manufactured from hardwearing natural rubber. Fine ribbed surface has effective slip-resistance. Provides insulation from cold concrete floors. Can also be used on workbenches to prevent component damage.

Colour: black.
Thickness: 3mm.



Thickness	Size (mm)	Order Code SSF-946
3mm	900 x 2500	**-6760P**

Bubble Stand Anti Fatigue Mat

Ideal for dry environments. Bubble surface stimulates constant foot movement to increase blood circulation.
Ramped edges for additional safety.

Colour: Black.
Thickness: 14mm.

NEW



Size (mm)	Order Code SSF-946
0.6 x 0.9m	**-8520K**
0.9 x 1.2m	**-8523K**

Premium Anti Fatigue Mat

Heavy duty with 'Diamond Tread' top surface. Comfortable foam backing. Manufactured with two yellow borders and ramped edges all round for additional safety.

Colour: Black.
Thickness: 12.5mm.



Size (mm)	Order Code SSF-946
0.9 x 1.5m	**-8716K**
0.9 x 3.0m	**-8719K**

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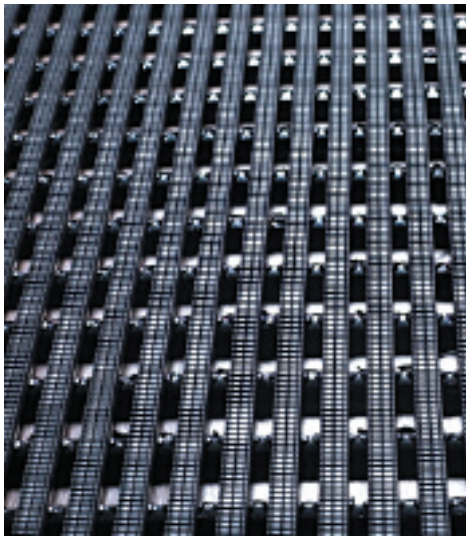
SITESAFE

Anti-Slip/Spillage Matting

Manufactured from 100% recycled factory waste. Hard wearing and versatile whilst providing excellent slip resistance. Its two layer tubular construction allows for fast drainage of any water or oils that may be in the workplace.

Colour: black

NEW



Type	Dimensions	Order Code SSF-946
Roll	0.5m x 10m	**-7160K**
	0.75m x 10m	**-7170K**
	1m x 10m	**-7180K**
Matt	0.5m x 0.9m	**-7190K**
	1m x 1.2m	**-7200K**

Entrance Mat

Cost effective entrance mat offering good all round performance. Scrapes dirt and wipes moisture. Slip resistant PVC backing.

Colour: Black. **Thickness:** 7mm.

NEW



Size (metre)	Order Code SSF-946
0.6 x 0.9m	**-8706K**
0.9 x 1.5m	**-8709K**

Barefoot Wet Room Matting

Warm, comfortable, self draining safety matting for barefoot applications. The soft embossed surface combined with anti-bacterial and anti-fungal additives and excellent drainage, offers a safe solution for shower rooms, poolside and changing areas.

NEW



Oxford Blue

Colour	Dimensions	Order Code SSF-946
Ocean Blue	0.5m x 10m	**-7500K**
	1m x 10m	**-7510K**
	1.2m x 10m	**-7520K**
Oxford Blue	0.5m x 10m	**-7530K**
	1m x 10m	**-7540K**
	1.2m x 10m	**-7550K**
Charcoal Grey	0.5m x 10m	**-7560K**
	1m x 10m	**-7570K**
	1.2m x 10m	**-7580K**

Anti-Slip Matting

Light, comfortable and economical matting. Insulates against cold floors, reduces standing fatigue and provides excellent slip resistance. **(DIN 51130 R11)** Floorline is suitable for areas where occasional spillage may occur.

NEW



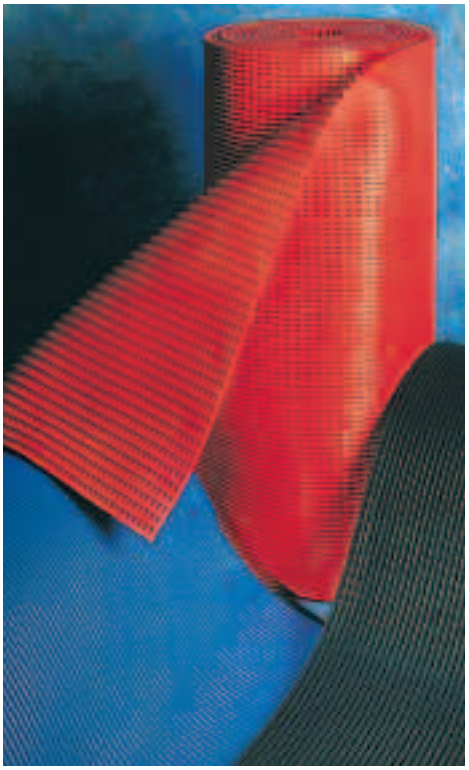
Colour	Type	Dimensions	Order Code SSF-946
Red	Roll	0.6m x 10m	**-7010K**
	Roll	0.9m x 10m	**-7020K**
Blue	Roll	0.6m x 10m	**-7050K**
	Roll	0.9m x 10m	**-7060K**
Red	Mat	0.6m x 0.9m	**-7030K**
	Mat	0.9m x 1.2m	**-7040K**
Blue	Mat	0.6m x 0.9m	**-7070K**
	Mat	0.9m x 1.2m	**-7080K**

Ultimate Anti Slip Matting

The deep tread pattern of Vynagrip offers superior grip, and combined with a high liquid drainage, makes it the ultimate slip resistant matting solution. Vynagrip is resistant to most oils and chemicals making it suitable for the harshest environments.

NEW





Colour	Type	Dimensions	Order Code SSF-946
Red	Roll	0.6m x 10m	**-7300K**
	Roll	0.9m x 10m	**-7310K**
	Roll	1.2m x 10m	**-7320K**
Blue	Roll	0.6m x 10m	**-7330K**
	Roll	0.9m x 10m	**-7340K**
	Roll	1.2m x 10m	**-7350K**
Black	Roll	0.6m x 10m	**-7360K**
	Roll	0.9m x 10m	**-7370K**
	Roll	1.2m x 10m	**-7380K**

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MATLOCK Door Controls

This comprehensive range of Door Controls feature varying power sized units for many different door applications.
They come with a choice of architectural covers which are each available in 26 different plated or colour coated finishes.
To help select the correct closer for you, each unit has a listing showing their key features, certification numbers and fire ratings.
Plated arms are available on certain units only, and test certificates are available upon request.

BS EN1154 Classification
This standard classifies door closers using a 6 digit coding system. Each digit relates to a particular feature of the product measured against the standards performance requirements.

Digit (1) - Category of use:
'**3**' denotes the unit is for closing doors from at least 105°.
'**4**' denotes the unit is for closing doors from 180° open.

Digit (2) - Durability:
'**8**' successfully completed 500,000 test cycles.

Digit (3) - Test door mass/size:
Seven grades are identified as shown in the table below (where a closer provides a range of power sizes both the minimum and maximum sizes shall be shown):

Power size	Test door mass	Recommended door leaf width
1	20kg	750mm
2	40kg	850mm
3	60kg	950mm
4	80kg	1100mm
5	100kg	1250mm
6	120kg	1400mm
7	160kg	1600mm

Digit (4) - Fire behaviour:
'**0**' denotes the unit is **NOT** suitable for use on fire/smoke doors.
'**1**' denotes the unit **IS** suitable for use on fire/smoke doors.

Digit (5) - Safety in use:
'**1**' all door closer units are required to satisfy the essential requirement of safety in use.

Digit (6) - Corrosion-resistance:
'**0**' - indicates no defined corrosion-resistance,
'**1**' - indicates mild corrosion-resistance,
'**2**' - indicates a moderate level of corrosion-resistance,
'**3**' - indicates high corrosion-resistance,
'**4**' - indicates very high corrosion-resistance.

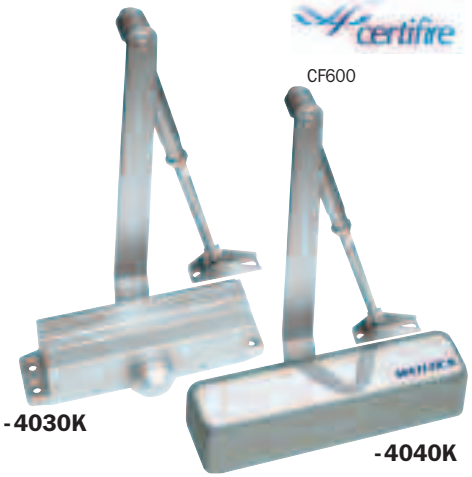
Within this section units have been tested to **BS EN1154**, with many units also having been tested to current Certified testing and CE test criteria. Therefore, the 6 digit classification is shown against each of the varying units, thus indicating their performance and grading under **BS EN1154**.

Budget Contract Door Closer

Size 3 Mechanism 28730
Silver finish. **CE** tested. Closing force size 3 (**EN1154**). Maximum door width 950mm. Suitable for doors 40 - 60kg. Adjustable latch action. Fire tested to **BS EN1634-1**. 1 hour fire rated. Self handing (fits to left or right hinged doors). 180° opening (retains control of door when opened 180°).

Specification:
CE 1121.
Certifire approved: CF600.
Meets EN1154: yes.
Fire tested to EN1634: 1½ hours.
Power size: 2 - 4.
Application: universal.
Arm assembly: projecting arm.
Architectural cover: mechanism only or 92 cover.
Closing speed: adjustable.
Latch action: adjustable.
Stand open option: yes.
(NOT for use on fire doors).
Backcheck: no.
Delayed action: no.
Guarantee: 10 years.

certifire CF600



-4030K -4040K

CE 1121

3	8	3	1	1	3
(1)	(2)	(3)	(4)	(5)	(6)

Description	Finish	Order Code MTL-949
Mechanism only	Silver	**-4030K**
Covered Unit	Silver	**-4040K**

Overhead Door Closer

Size 2 - 4 Mechanism 28932
Silver or plated finish. **CE** tested. Certifire approved **CF600**. Closing force size 3 - 4 (**EN1154**). Maximum door width 850 - 1100mm. Suitable for doors 40 - 80kg. Fire tested to **BS EN1634**. 1 hour fire rated. Adjustable check action. Independent on/off latch action. Self handing (fits to left or right hinged doors). 180° opening (retains control of door when opened 180°).

Specification:
CE 1121.
Certifire approved: CF600.
Meets EN1154: yes.
Fire tested to EN1634: 2 hours.
Power size: 3 - 4.
Application: universal.
Arm assembly: projecting arm.
Architectural cover: 91.
Check action: adjustable.
Closing speed: adjustable.
Stand open option: yes.
(NOT for use on fire doors).
Backcheck: yes.
Delayed action: yes.
Guarantee: 10 years.

certifire CF600



-4010K

CE 1121

4	8	4 3	1	1	3
(1)	(2)	(3)	(4)	(5)	(6)

Description	Finish	Order Code MTL-949
Covered Unit	Silver	**-4010K**
Covered Unit	Plated	**-4020K**

Concealed Chain Door Closer

Brass finish. Concealed spring type closer. Spring tension closing force adjustable. Certified to **BS 476 Pt. 22:1987**. ½ hour fire rated. Left or right hand fitting. Suitable for use on doors up to 50kg.



Finish	Order Code MTL-949
Chrome	**-4070K**
Brass	**-4080K**

Electro-Magnetic Fire Stay

Silver or plated finish. Electro-magnetic holds open fire doors but releases in the event of fire. Closing force size 4 (**EN1155**). Maximum door width 950 - 1100mm. Suitable for doors 60 - 80kg. Adjustable check action. Adjustable latch action. Hold open from 70° - 180°.



-4060K

3	8	1	1	1	3
(1)	(2)	(3)	(4)	(5)	(6)

Description	Finish	Order Code MTL-949
Covered Unit	Silver	**-4050K**
Covered Unit	Plated	**-4060K**

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MATLOCK Panic Hardware

This panic hardware range of emergency exit devices contains products that are certified to the European CEN standards **BS EN179 & BS EN1125** and offers a design to give optimum safety and security. All products meet with the required standards in today's market. They have an anti-thrust mechanism to protect against attack, they carry a ten year manufacturer's guarantee and are two hour fire rated. Standard sized units are suitable for doors up to 2440mm high and 1220mm wide. Special sized vertical shoots, horizontal bars, keeps and pullman catch kits are available on request.

BS EN1125 Classification
This is the European standard for Panic Exit Devices. This determines that a Panic device must be fitted where members of the public are present and have no prior knowledge of the exit or hardware.

BS EN179 Classification
This is the European standard for Emergency Exit Devices. This determines that in emergency situations occupants will have prior knowledge of the exit and panic situation is unlikely to occur. Each standard is tested and evaluated and a 9 digit code is produced.

BS EN 1125 & **BS EN 179** are harmonised under the Construction Products Directive and products must therefore carry the CE mark.

Push Bar Panic Latch

Suitable for public areas.
Certified for use on fire doors.
CE marked for safety.
Tested to **BS EN 179** and **EN1125**.
2 hour fire rated.



Finish	Order Code MTL-949
Silver	-6010K

Push Pad Panic Latch

Suitable for offices, business premises etc.
Certified for use on fire doors.
CE marked for safety.
Tested to **BS EN 179** and **EN1125**.
2 hour fire rated.



Finish	Order Code MTL-949
Silver	-6020K

Outside Access Device

Suitable for use on fire doors.
Supplied with euro cylinder.
Three keys included.
2 hour fire rated.



Finish	Order Code MTL-949
Silver	-6040K

Push Bar Single Panic Bolt

Suitable for single and double flush fitting doors. Certified for use on fire doors.
CE marked for safety.
Tested to **BS EN 179** and **EN1125**.
2 hour fire rated.



Finish	Order Code MTL-949
Silver	-5990K

Push Pad Panic Bolt

Suitable for offices, business premises etc.
Certified for use on fire doors.
CE marked for safety.
Tested to **BS EN 179** and **EN1125**.
2 hour fire rated.



Finish	Order Code MTL-949
Silver	-6030K

Double Panic Bolt Set

Suitable for rebated double doors.
Certified for use on fire doors.
CE marked for safety. Tested to **BS EN 179** and **EN1125**. 2 hour fire rated.



Finish	Order Code MTL-949
Silver	-6000K

SITE MAINTENANCE

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MATLOCK 5-Lever Mortice Detainer Sashlock

Kitemarked to **BS3621**.
Insurance approved sashlock, easily reversible latchbolt, five detainer mechanism, 64mm (2½") and 76mm (3") case size available. Supplied with square forend and strike. Supplied with two keys. Satin chrome plate or polished brass finish.

BS3621



Size	Order Code MTL-949
Satin Chrome Plated Finish	
64mm (2½")	**-4090K**
76mm (3")	**-4100K**
Polished Brass Finish	
64mm (2½")	**-4110K**
76mm (3")	**-4120K**

3-Lever Mortice Deadlock

64mm (2½") and 76mm (3") case size available. Supplied with radius forend and strike. Supplied with two keys.
Satin chrome plate and polished brass finish.



Size	Order Code MTL-949
Satin Chrome Plated Finish	
64mm (2½")	**-4250K**
76mm (3")	**-4260K**
Polished Brass Finish	
64mm (2½")	**-4270K**
76mm (3")	**-4280K**

3-Lever Mortice Sashlock

Easily reversible latchbolt, adjustable springing feature, 64mm (2½") and 76mm (3") case size available, supplied with square forend and strike. Supplied with two keys.
Satin chrome plate or polished brass finish.



Size	Order Code MTL-949
Satin Chrome Plated Finish	
64mm (2½")	**-4210K**
76mm (3")	**-4220K**
Polished Brass Finish	
64mm (2½")	**-4230K**
76mm (3")	**-4240K**

Euro Profile Mortice Sashlock Case

Easily reversible latchbolt for internal and external door use. 64mm (2½") and 76mm (3") case size available. Brass or nickel plated square forend and strike.
Satin chrome plate or polished brass finish.



Size	Order Code MTL-949
Satin Chrome Plated Finish	
64mm (2½")	**-4170K**
76mm (3")	**-4180K**
Polished Brass Finish	
64mm (2½")	**-4190K**
76mm (3")	**-4200K**

Europrofile Cylinder & Turn

70mm (35/35).
Polished brass or satin chrome plate finishes. Supplied with two keys and fixing screw.



Size	Order Code MTL-949
Satin Chrome Plated Finish	
35mm/35mm	**-4430K**
Polished Brass Finish	
35mm/35mm	**-4440K**

Europrofile Double Cylinder

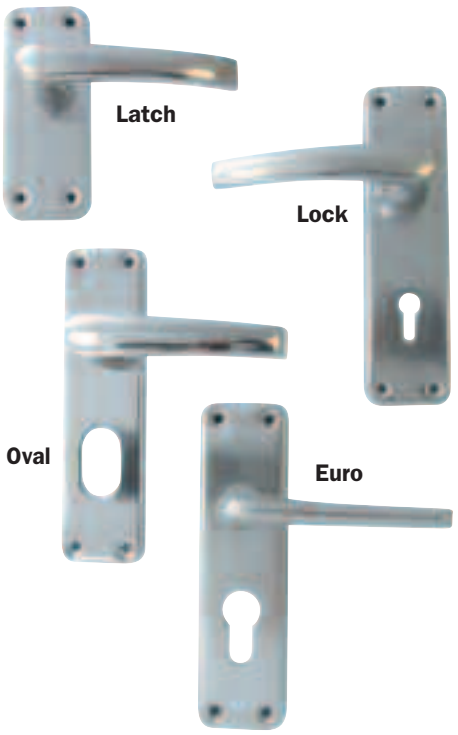
70mm (35/35).
Polished brass or satin chrome plate finishes. Supplied with two keys and fixing screw.



Size	Order Code MTL-949
Satin Chrome Plated Finish	
35mm/35mm	**-4410K**
Polished Brass Finish	
35mm/35mm	**-4420K**

Budget Lever on Pressed Backplate

Aluminium finish.



Type	Order Code MTL-949
Latch	**-5940K**
Lock	**-5950K**
Euro	**-5960K**
Oval	**-5970K**

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MATLOCK Light Butt Hinges

For general purpose use and in domestic situations. Self colour Finish.

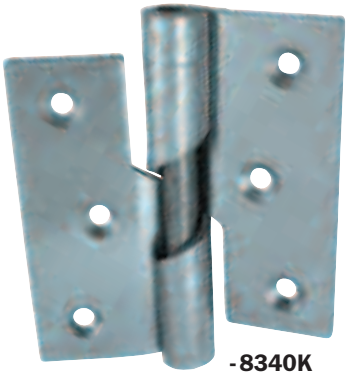
Supplied in pairs.



Size (mm)	Size (mm)	Order Code MTL-949
25	25 x 15 x 3	-8200K
38	38 x 18 x 5	-8210K
50	50 x 22 x 5	-8220K
65	65 x 25 x 7	-8230K
75	75 x 28 x 7	-8240K
100	100 x 40 x 10	-8250K

Rising Butt Hinges

Self closing hinges that also provide floor to ground clearance as they are opened. Available in a choice of left or right hand opening. Self colour.



-8340K

Supplied individually, boxed in 5s (pairs).

Size (mm)	Opening	Order Code MTL-949
75 x 45 x 15	Left Hand	-8340K
75 x 45 x 15	Right Hand	-8350K

Single Action Spring Hinges

A very competitively priced hinge having all the features and operating abilities of more expensive products on the UK market. Supplied with screws, spare adjustment pins and cranking bar. Lacquered silver finish.

Supplied in pairs.

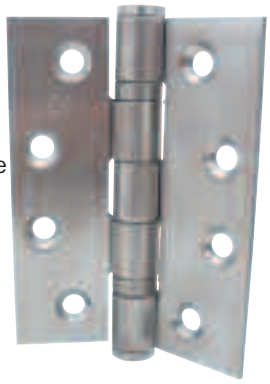


Size (mm)	Size (mm)	Order Code MTL-949
75	75 x 45 x 20	-8310K
100	100 x 50 x 20	-8320K

Stainless Steel 2 Ball Bearing Butt Hinge

523CE

Polished or satin stainless steel finish. Grade 304 stainless steel. One hour fire tested. Stainless steel pin. Complete with screws.

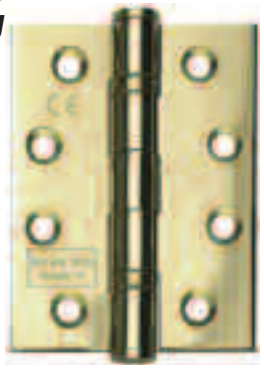


Finish	Size (mm)	Order Code MTL-949
Stainless Steel		
Satin	100 x 75 x 3	-4450K
Stainless Steel		
Polished	100 x 75 x 3	-4460K

Polished Brass 2 Ball Bearing Butt Hinge

525CE

Polished brass or brass plated finishes. One hour fire tested. Stainless steel pin. Complete with screws.

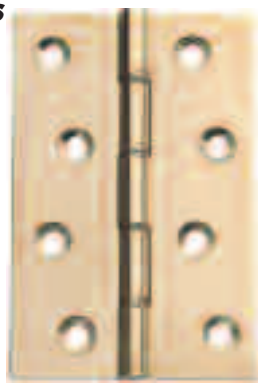


Size (mm)	Order Code MTL-949
100 x 75 x 3	-4470K

Polished Brass Butt Hinge

508

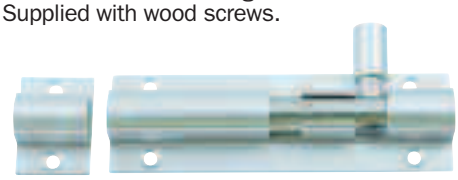
Double phosphor bronze washered finish. Brass pin. One year guarantee.



Size (mm)	Order Code MTL-949
100 x 75 x 3	-4480K

Aluminium Barrel Bolts

Internal domestic locking bolt. Supplied with wood screws.



Size (mm)	Finish	Order Code MTL-949
50	Aluminium	-8140K
75		-8150K
100		-8160K

Digital Door Locks

Digital door locks suitable for: offices, banks, warehouses, laboratories, schools, hospitals, flats, apartments or any restricted areas.

Features:
Resettable combination.
Tamper-proof latch bolt.
Weather resistant.
Simple to fit.
Internal and external applications.



Available with or without key override

Body Finish	Key Lock Override	Order Code MTL-949
Satin Chrome	No	-5020K
Satin Chrome	Yes	-5040K

Hat & Coat Hooks

Finished in aluminium, stainless steel and brass.



Stainless Steel

Finish	Order Code MTL-949
Aluminium	-5880K
Stainless Steel	-5890K
Brass	-5900K

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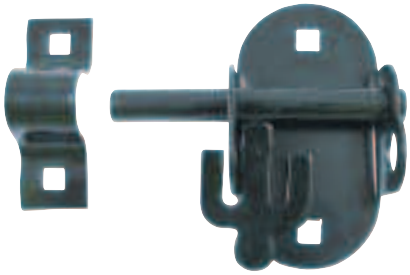
MATLOCK Oval Padlock Bolt

A simple and efficient lockable gate securing bolt.

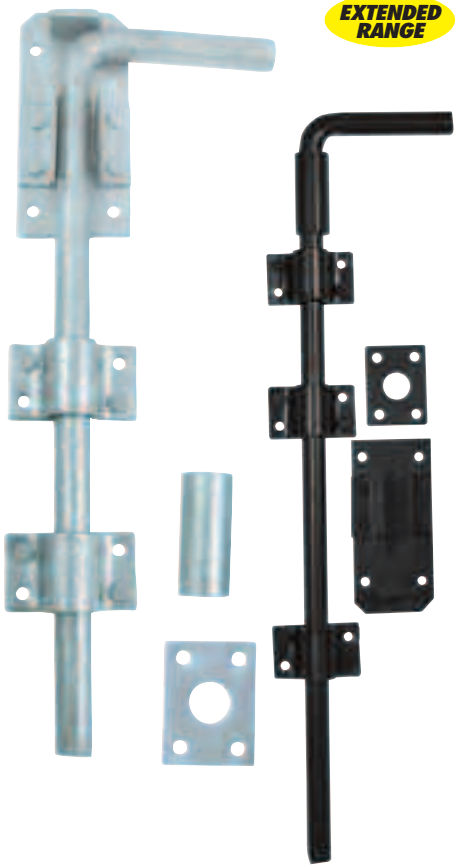


Size (mm)	Finish	Order Code MTL-949
100	Galvanised	-7830K
100	Black	-7835K

Garage Door Drop Bolts

A very strong product with numerous applications. Made from galvanised steel.

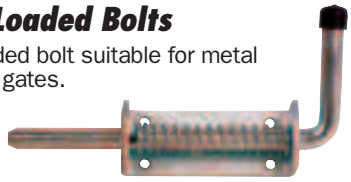
EXTENDED RANGE



Size (mm)	Finish	Order Code MTL-949
460	Black	-7060K
600	BZP	-7075K

Spring Loaded Bolts

Spring loaded bolt suitable for metal or wooden gates.



Shoot Dia. (mm)	Finish	Order Code MTL-949
10 (3/8")	Zinc Plated	-7670K
12 (1/2")	Zinc Plated	-7680K
15 (5/8")	Zinc Plated	-7690K

Spring Loaded Animal Bolts

Spring loaded bolt with staple on plate, suitable for gates, paddocks etc.



Length (mm)	Finish	Order Code MTL-949
12 (1/2")	Zinc Plated	-7850K

Tower Bolts

General purpose bolts for shed doors etc.



Length (mm)	Finish	Order Code MTL-949
76 (3")	Black	-7760K
101 (4")	Galvanised	-7770K
101 (4")	Black	-7780K
152 (6")	Galvanised	-7790K
152 (6")	Black	-7800K
203 (8")	Black	-7810K
254 (10")	Black	-7820K

Auto Pig Lock Bolts

Autolock bolts with bottom guard to prevent fouling of the latch.



Length (mm)	Finish	Order Code MTL-949
203 (8")	Zinc Plated	-7840K

Brenton Bolts

Padlockable security bolt.



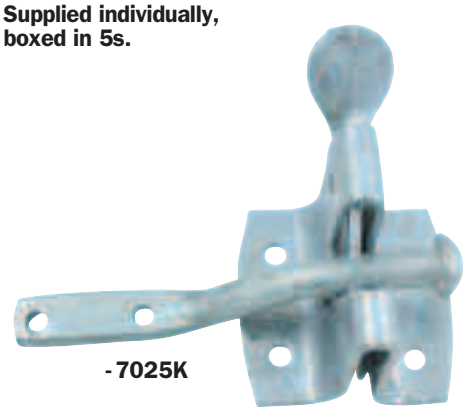
Length x Shoot Dia. (mm)	Finish	Order Code MTL-949
101 x 12 (4" x 1/2")	Galvanised	-7710K
152 x 12 (6" x 1/2")	Galvanised	-7720K
203 x 12 (8" x 1/2")	Galvanised	-7730K
152 x 15 (6" x 5/8")	Galvanised	-7740K
203 x 15 (8" x 5/8")	Galvanised	-7750K

Auto Gate Catches

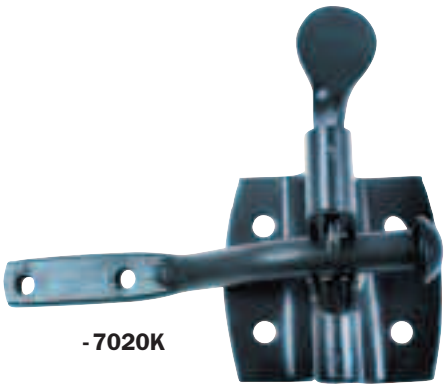
Plate Pin - Medium Duty

For use on all types of gate. With cranked striker pin. Striker pin is plate type for fitting onto the surface of a post or fence. Packed complete with all fixing screws.

Supplied individually, boxed in 5s.



-7025K



-7020K

Size (mm)	Finish	Order Code MTL-949
32	BZP	-7010K
50	Black	-7020K
50	BZP	-7025K
57	BZP	-7030K

Door/Gate Stop

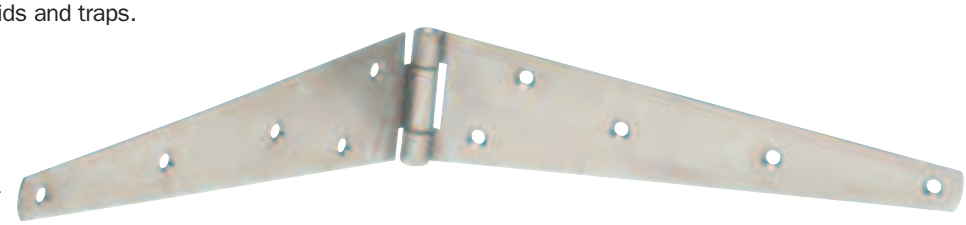
Door and gate stop. Supplied complete with screws and rubber stopper.



Length (mm)	Finish	Order Code MTL-949
152 (6")	Grey Japanned	-7700K

Medium Strap Hinges

Supplied as pairs. Commonly used for lift-up lids and traps.



Length (mm)	Finish	Order Code MTL-949
203 (8")	Self-colour	-7640K
254 (10")	Self-colour	-7650K
305 (12")	Self-colour	-7660K

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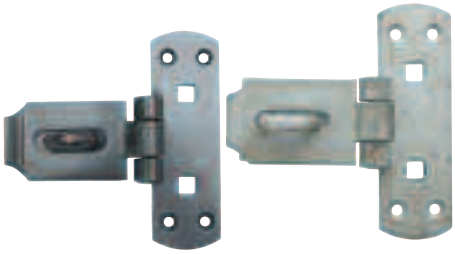
MATLOCK Safety Hasps & Staples

Secure fixings are concealed by hasp when in locked position.



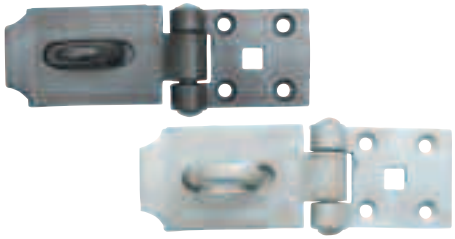
Length (mm)	Finish	Order Code MTL-949
75 (3”)	Black	-6060K
115 (4½”)	Black	-6070K
150 (6”)	Black	-6080K
75 (3”)	Zinc Plated	-7918K
101 (4”)	Zinc Plated	-7920K
152 (6”)	Zinc Plated	-7930K

Heavy Duty Vertical Hasp & Staples



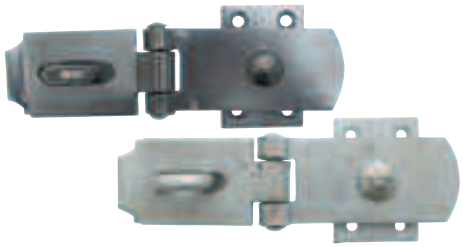
Length (mm)	Finish	Order Code MTL-949
150 (6”)	Black	-6120K
150 (6”)	Galvanised	-6140K

Short Pattern Heavy Hasp & Staple



Length (mm)	Finish	Order Code MTL-949
150 (6”)	Black	-6160K
150 (6”)	Galvanised	-6180K

Swivel Hasp & Staple



Length (mm)	Finish	Order Code MTL-949
200 (8”)	Black	-6220K
250 (9”)	Black	-6230K
200 (8”)	Galvanised	-6250K
250 (9”)	Galvanised	-6260K

Heavy Duty Hasp & Staples

Rotating and padlockable.



Length (mm)	Finish	Order Code MTL-949
203 (8”)	Galvanised	-7080K
203 (8”)	Black	-7090K
254 (10”)	Black	-7100K

Security Hasps

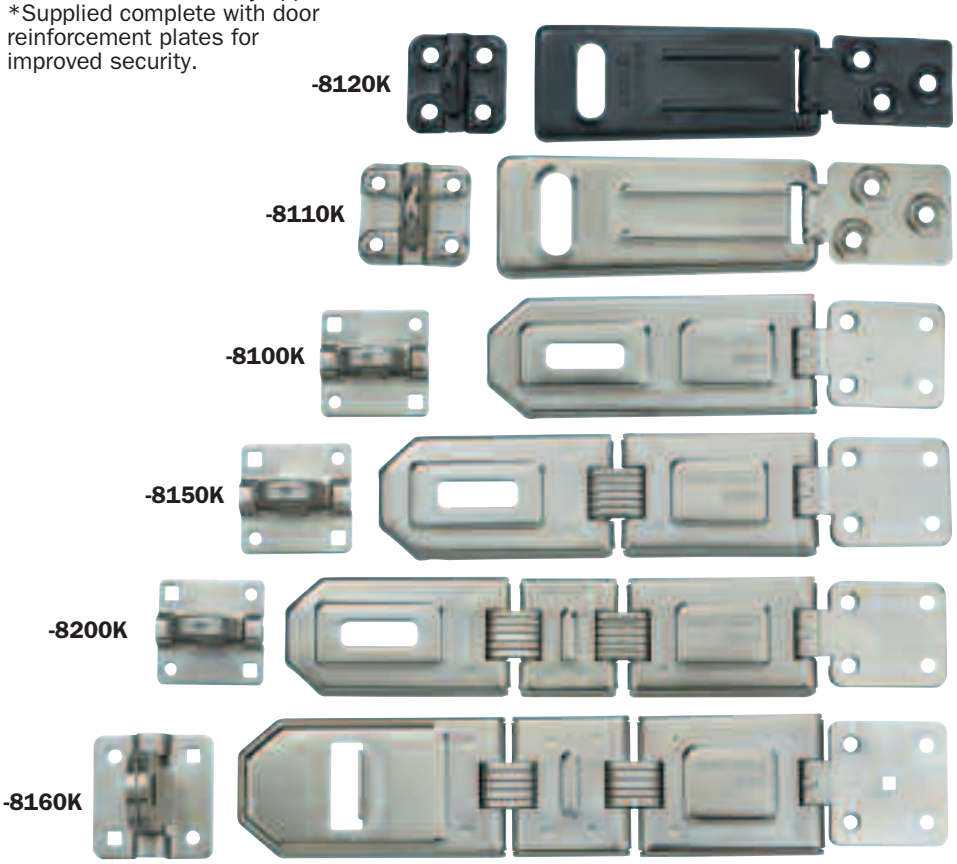
Manufactured from hardened steel with a duplex nickel plated anti- corrosive finish. The hinge pins, fixings and assembly are concealed with a folded edge for tamper protection. Supplied with fixing screws.

Double Hinged:
Models can be used for internal and external corner mounting.

Triple Hinged:
Models also allow for use on non-flush fitting (stepped) surfaces.

8120, 8110, 8100* & 8150*:
For use on standard duty and domestic applications.

8200* & 8160*:
For use on medium duty applications.
*Supplied complete with door reinforcement plates for improved security.

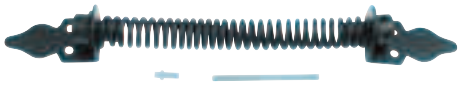


Product Number	Shackle Type	Hinge Type	Size (mm)	To Suit Shackle	Security Rating	Order Code MTL-950
8120	Vertical	Single	92 x 37	8mm	2	-8120K
8110	Vertical	Single	120 x 45	8mm	2	-8110K
8100	Horizontal	Single	125 x 45	11mm	3	-8100K
8150	Horizontal	Double	160 x 45	11mm	3	-8150K
8200	Horizontal	Triple	200 x 45	11mm	3	-8200K
8160	Vertical	Triple	258 x 62	13mm	3	-8160K

Gate Spring

A general purpose return spring for assisting in the closure of gates.

Supplied individually, boxed in 10s.



Size (mm)	Finish	Order Code MTL-949
200	Black	-7970K
250	Black	-7980K

Cast Iron Hot Bed Handles

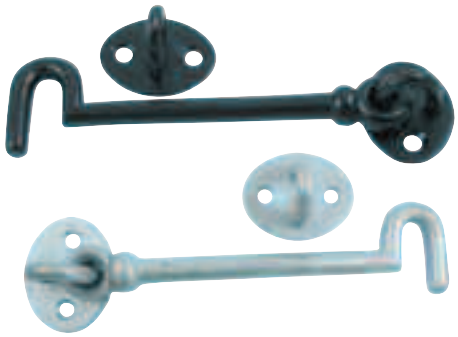
Supplied individually, boxed in 25s.



Size (mm)	Finish	Order Code MTL-949
150	Black	-8030K

Traditional Cast Cabin Hooks

For restraining doors and gates. Often used in stabling. Supplied individually packed and complete with all fixing screws.
Boxed in 5s.



Length (mm)	Finish	Order Code MTL-949
100	Black	-7905K
150		-7915K
101 (4”)	Galvanised	-7900K
152 (6”)	Galvanised	-7910K

SITE MAINTENANCE

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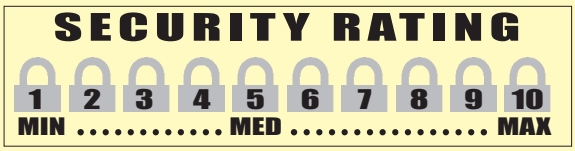
MATLOCK Security Ratings

All padlocks have a rating to indicate how secure they are, this is based on material, hardening, extra coating, shackle diameter, body width, and other security features such as anti-pick locks and 3, 4, 5 or 6 pin cylinders.



Rating	Uses
1 - 2	Minimum security for indoor and outdoor use on tackle boxes, suitcases and drawers etc.
3 - 4	Minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds, bicycles etc.
5 - 6	Medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds, bicycles etc.
7 - 8	Medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc.
9 - 10	Maximum security for indoor and outdoor use on store front and factory gates, large tool chests and construction site storage etc.



Brass

2 to 4 SECURITY RATING — DOUBLE LOCKING

Solid brass body with a hardened steel shackle and a double locking mechanism. For indoor and outdoor use on minimum to medium security items. 20mm: 3 pin cylinder. 30 and 40mm: 4 pin cylinder, 50 and 60mm: 5 pin cylinder.
*Single locking only.

HARDENED SHACKLE





Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
20mm	3.7 x 10.3mm	2*	-6722K
30mm	4.8 x 15mm	3	-6733K
30mm	4.8 x 50mm	3	-6732K
40mm	4.8 x 22mm	3	-6743K
40mm	7.0 x 50mm	4	-6745K
50mm	7.0 x 26mm	4	-6754K
60mm	8.8 x 27mm	4	-6764K
Key Blank to suit 20mm			-9900K
Key Blank to suit 30 & 40mm			-9910K

Brass - Stainless Steel Shackle

2 to 4 SECURITY RATING — DOUBLE LOCKING

Traditional style brass bodied padlock with a stainless steel shackle and a double locking mechanism. For indoor and outdoor use on many minimum to medium security items. 20mm: 3 pin cylinder, 30 and 40mm: 4 pin cylinder, 50 and 60mm: 5 pin cylinder. * Single locking only





Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
20mm	3.7 x 10.3mm	2*	-7022K
30mm	4.8 x 15mm	3	-7033K
40mm	4.8 x 22mm	3	-7043K
50mm	7.0 x 26mm	4	-7054K
60mm	8.8 x 27mm	4	-7064K
Key Blank to suit 20mm		5g	-9900K
Key Blank to suit 30 & 40mm		5g	-9910K

Brass Slimline

2 to 4 SECURITY RATING

Solid brass body with a hardened steel changeable shackle. For indoor and outdoor use on minimum to medium security items.

EXTENDED RANGE





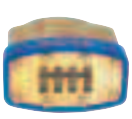
Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
20mm	3.2 x 12mm	2	-6820K
25mm	4.8 x 15mm	3	-6825K
30mm	4.8 x 15mm	3	-6830K
30mm	5 x 43mm	3	-6832K
40mm	6 x 20mm	4	-6840K
50mm	7 x 25mm	4	-6850K
Pack of 4			
20mm	3.2 x 12mm	2	-7970K
25mm	4.8 x 15mm	3	-7975K
30mm	4.8 x 15mm	3	-7980K
30mm	5 x 43mm	3	-7985K
40mm	6 x 20mm	4	-7990K
50mm	7 x 25mm	4	-7995K

Laminated Brass - Combination Type

3 to 4 SECURITY RATING — DOUBLE LOCKING

Laminated brass body with a brass shackle and a double locking mechanism. Available with four number tumbler (10,000 combinations) or three number tumbler (1,000 combinations). For indoor and outdoor use on minimum to medium security items.







Body Width	Shackle Dia. x Clearance	Rating (1 - 10)	Combination Number	Order Code MTL-950
40mm	6 x 25mm	3	3	-6203K
46mm	8 x 25mm	3	4	-6263K

Lock Block

8 SECURITY RATING

With a solid brass body and molybdenum shackle. Designed to provide medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc.
* keyed alike

NEW



Body Width	Shackle Dia. x Clearance	Rating (1 - 10)	Order Code MTL-950
63mm	8 x 13.5mm	8	-8840K
83mm	11 x 16mm	8	-8860K
*83mm	11 x 16mm	8	-8900K

Stainless Steel Disc Padlocks

9 SECURITY RATING

With stainless steel body and hardened steel shackle, these disc padlocks are designed to provide medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc. Available in keyed differently and keyed alike versions.

Shackle Dia. x Clearance:
9.5 x 17.3mm.

NEW



Type	Body Width	Order Code MTL-950
Keyed Differently	70mm	-8240K
Keyed Alike		-8250K

Laminated Brass

4 SECURITY RATING — DOUBLE LOCKING

Laminated brass body with a hardened steel shackle, a double locking mechanism and a pin cylinder. For indoor and outdoor use on minimum to medium security items.
Key change every 1,000.



HARDENED SHACKLE

Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
40mm	6.3 x 20mm	4	-5824K
50mm	8.8 x 25mm	4	-5834K
Key Blank			-9950K

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MATLOCK Brass - Cross Key

Solid brass body with a hardened steel shackle and a double locking mechanism. Fitted with a dual lever 4 row 16 pin cylinder which has 1000 different key numbers. For indoor and outdoor use on minimum to medium security items.
Key change every 100,000.

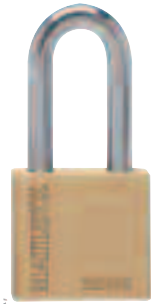




Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
40mm	6.8 x 25mm	4	255g	-3844K
50mm	8.8 x 32mm	5	380g	-3855K
60mm	11 x 35mm	5	540g	-3865K

Brass Anti-Pick Padlock

Solid brass body with a hardened steel changeable shackle and a double locking mechanism. Fitted with a hardened steel cover plate and an anti-pick 6 pin brass cylinder. For indoor and outdoor use on minimum to medium security items.
Key change every 20,000.





Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
38 x 76	6.3 x 25mm	4	310g	-3054K
38 x 76	6.3 x 75mm	4	335g	-3094K
50 x 76	9.5 x 25mm	6	420g	-3206K
50 x 76	9.5 x 50mm	6	445g	-3226K
50 x 76	9.5 x 75mm	6	475g	-3236K
Key Blank			5g	-9930K

Brass - Anti-Pick Weatherproof

Solid brass body with a hardened stainless steel changeable shackle and a double locking mechanism. Fitted with a hardened steel cover plate and an anti-pick 6 pin brass cylinder. Completely weatherproof padlock which is suitable for use in the harshest corrosive conditions on minimum to medium security items.
Key change every 20,000.



Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
38mm	6.3 x 25mm	4	310g	-3554K
38mm	6.3 x 50mm	4	320g	-3574K
45mm	8 x 25mm	5	370g	-3655K
45mm	8 x 50mm	5	385g	-3675K
50mm	9.5 x 25mm	6	415g	-3756K
50mm	9.5 x 50mm	6	450g	-3776K
Key Blank			5g	-9930K

4 Pin Strong Padlocks

NEW

4 pin padlocks available in a range of colours. Designed to provide minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds and bicycles etc. Available in keyed differently and keyed alike versions.



Colour	Body Width	Shackle Dia. x Clearance	Order Code MTL-950 Keyed Diff.	Keyed Alike
Black	40mm	7 x 21.5mm	-7120K	-7160K
Blue			-7125K	-7165K
Green			-7130K	-7170K
Orange	40mm	7 x 21.5mm	-7135K	-7175K
Red			-7140K	-7180K
Yellow			-7145K	-7185K

Weather-Resistant - Long Shackle

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. The PU coating makes this the most weather-resistant padlock. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. For use on marine/brewery storage, haulage and warehouses etc. Available in a range of colours. All fitted with a weather-resistant key cover.





Body Width	Colour	Shackle Dia x Clearance	Rating (1 - 10)	Order Code MTL-950
45mm	Red	8.1 x 55mm	5	-7615K
54mm	Yellow	10.7 x 46mm	6	-7626K
Key Blank				-9950K

Laminated Steel

Laminated steel body with a hardened steel shackle, a double locking mechanism and a 5 pin cylinder. For indoor and outdoor use on medium to maximum security items.
Key change every 1,000 (30mm every 200).



Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
30mm	5.2 x 18.5mm	4	220g	-5514K
40mm	6.3 x 25mm	5	265g	-5525K
44mm	7.0 x 25mm	5	330g	-5555K
50mm	8.8 x 25mm	7	500g	-5587K
65mm	11 x 34mm	8	600g	-5598K

SITE MAINTENANCE

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MATLOCK Solid Steel Heavy Duty



Hardened solid steel, chrome and duplex nickel plated body with a hardened changeable steel shackle. Fitted with a double locking mechanism, hardened steel cover plate and an anti-pick six pin brass cylinder. For indoor and outdoor use on maximum security items.
Key change every 20,000.

9 SECURITY RATING | ANTI-PICK 6-PIN CYLINDER | HARDENED STEEL COVER PLATE

Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
63.5 x 76	11 x 25mm	9	680g	**-1509K**
63.5 x 76	11 x 50mm	9	725g	**-1529K**
63.5 x 76	11 x 75mm	9	770g	**-1539K**

Aluminium - Anti-Pick Weatherproof



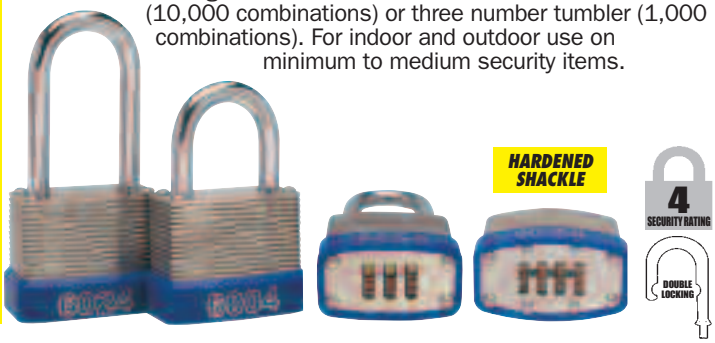
Solid anodised lightweight aluminium body with a hardened stainless steel changeable shackle. Fitted with an anti-pick 6 pin brass cylinder and a double locking mechanism. Weatherproof padlock which is suitable for use in the harshest corrosive conditions on medium security items.
Key change every 20,000.

5 SECURITY RATING | WEATHERPROOF | ANTI-PICK 6-PIN CYLINDER | DOUBLE LOCKING | HARDENED SHACKLE

Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
38mm	6.3 x 50mm	5	200g	**-5025K**
50mm	9.5 x 25mm	5	255g	**-5205K**
50mm	9.5 x 50mm	5	280g	**-5225K**

Laminated Steel - Combination Type

Laminated steel, nickel plated body with a hardened steel shackle and a double locking mechanism. Available with four number tumbler (10,000 combinations) or three number tumbler (1,000 combinations). For indoor and outdoor use on minimum to medium security items.



HARDENED SHACKLE | 4 SECURITY RATING | DOUBLE LOCKING

Body Width	Shackle Dia. x Clearance	Rating (1 - 10)	Combination Number	Weight each	Order Code MTL-950
40mm	6 x 25mm	4	3	185g	**-6004K**
40mm	6 x 45mm	4	3	200g	**-6024K**
46mm	8 x 25mm	4	4	270g	**-6064K**

Solid Brass Combination Padlocks



Solid brass padlocks designed to provide minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds and bicycles etc. Available in a range of sizes. Solid brass body with hardened steel shackle and 3 or 4 digit combination.

HARDENED SHACKLE | 5 SECURITY RATING | NEW

Body Width	Shackle Dia. x Clearance	No. of Dials	Pack Quantity	Order Code MTL-950
20mm	3.0 x 21.7mm	3	1	**-8020K**
20mm	3.0 x 21.7mm	3	4	**-8070K**
30mm	5.0 x 25.0mm	3	1	**-8030K**
30mm	5.0 x 25.0mm	3	4	**-8080K**
40mm	6.0 x 26.0mm	4	1	**-8040K**
40mm	6.0 x 26.0mm	4	4	**-8090K**

Solid Steel Anti-Pick



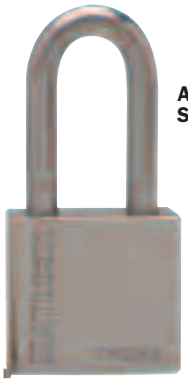
Hardened solid steel, chrome and duplex nickel plated body with a hardened steel changeable shackle and a double locking mechanism. Fitted with a hardened steel cover plate and an anti-pick 6 pin brass cylinder. For indoor and outdoor use on medium to maximum security items.
Key change every 20,000.

HARDENED STEEL COVER PLATE | 7 to 9 SECURITY RATING | DOUBLE LOCKING | ANTI-PICK 6-PIN CYLINDER

Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
50 x 76	9.5 x 25mm	7	400g	**-1107K**
50 x 76	9.5 x 50mm	7	430g	**-1127K**
50 x 76	9.5 x 75mm	7	460g	**-1137K**
63.5 x 76	11 x 25mm	9	710g	**-1209K**
63.5 x 76	11 x 75mm	9	800g	**-1239K**

Solid Steel - Anti-Pick, Anti-Cut

Hardened solid steel, chrome and duplex nickel plated body with a molybdenum alloy anti-cut changeable steel shackle. Fitted with a double locking mechanism and an anti-pick six pin brass cylinder. For indoor and outdoor use on medium to maximum security items.
Key change every 20,000.



ANTI-CUT SHACKLE | 8 to 9 SECURITY RATING | DOUBLE LOCKING | ANTI-PICK 6-PIN CYLINDER



Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
50 x 76	9.5 x 25mm	8	400g	**-2508K**
50 x 76	9.5 x 50mm	8	430g	**-2528K**
50 x 76	9.5 x 75mm	8	455g	**-2538K**
63.5 x 76	11 x 50mm	9	755g	**-2629K**
63.5 x 76	11 x 75mm	9	800g	**-2639K**

Solid Steel - Anti-Pick Shrouded

Hardened solid steel, chrome and duplex nickel plated body with a hardened changeable steel shackle. Fitted with a double locking mechanism, hardened steel cover plate and an anti-pick six pin brass cylinder. For indoor and outdoor use on medium to maximum security items.
Key change every 20,000.

7 to 9 SECURITY RATING | HARDENED STEEL COVER PLATE | ANTI-PICK 6-PIN CYLINDER | DOUBLE LOCKING





Body Width	Shackle Diameter x Clearance	Rating (1 - 10)	Weight each	Order Code MTL-950
50mm	9.5 x 25mm	7	480g	**-2027K**
63.5mm	11 x 25mm	9	830g	**-2039K**

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MATLOCK Weather-Resistant - Shrouded Shackle

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. The PU coating makes this the most weather-resistant padlock. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. For use on marine/brewery storage, haulage and warehouses etc. Available in a range of colours. All fitted with a weather-resistant key cover.





6 to 9 SECURITY RATING
ANTI-PICK 6-PIN CYLINDER
HARDENED STEEL COVER PLATE
WEATHERPROOF

Body Width	Colour	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
		Covered Shackle		
50mm	Blue	8 x 33mm	6	**-7716K**
62mm	Black	10 x 30mm	8	**-7728K**
75mm	Yellow	11 x 34mm	9	**-7759K**

Weather-Resistant

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. The PU coating makes this the most weather-resistant padlock. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. For use on marine/brewery storage, haulage and warehouses etc. Available in a range of colours. All fitted with a weather-resistant key cover.





5 to 7 SECURITY RATING
HARDENED STEEL COVER PLATE
ANTI-PICK 6-PIN CYLINDER
WEATHERPROOF

Body Width	Colour	Shackle Diameter x Clearance	Rating (1 - 10)	Order Code MTL-950
		Standard		
45mm	Red	8.1 x 18mm	5	**-7515K**
54mm	Green	10.7 x 20mm	6	**-7526K**
69mm	Black	9 x 30mm	7	**-7537K**

Matlock Strong/Heavy Duty Padlocks

Designed to provide medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc. This heavy duty padlock has a hardened steel body, black e-coating, molybdenum shackle and 4 digit combination.



6 to 8 SECURITY RATING
HARDENED SHACKLE

Body Width	Shackle Dia. x Clearance	No. of Dials	Order Code MTL-950
51.0mm	9.5 x 27mm	4	**-8260K**
62.0mm	11.0 x 51mm	4	**-8270K**

Safety Lockout Padlocks - Keyed Differently

Compact high security padlocks. Individually keyed to differ 6-pin lock which will not release the key until the shackle is closed. Non-conductive and non-sparking. Resistant to chemicals and corrosion. 6-pin precision-machined cylinder for extra security. Colour coded for easy identification with a photo-luminescent label. Each padlock is supplied boxed with one key and keyring.

Dimensions:
Body width: 20 x 42mm.
Shackle diameter x clearance: 6.5 x 38mm.



Product Number	Colour	Order Code MTL-950
LOK007	Red	**-7950K**
LOK008	Yellow	**-7960K**
LOK009	Green	**-7930K**
LOK010	Blue	**-7920K**
LOK011	Black	**-7910K**
LOK012	Orange	**-7940K**

SITESAFE Lockout Kit

Electrical Lockout Kit
Contains the most commonly required MCB lockouts, tags and labels required for routine checks, repairs or essential maintenance.

Contents: 1x red safety padlock. 1x non-conductive hasp. 1x MCB lockout pin in. 1x MCB lockout pin out. 1x MCB lockout pin out wide. 2x universal MCB lockout. 1x ultra-fine permanent pen. 10x DO NOT OPERATE tags.
Supplied complete in a belt bag.



Number Pieces	Description	Order Code SSF-950
18	Lockout Kit	**-3240K**

SITE MAINTENANCE

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AVON Barrier Tape, Lane & Hazard Tape

High quality self-adhesive diagonal stripe hazard tape. High grade PVC.

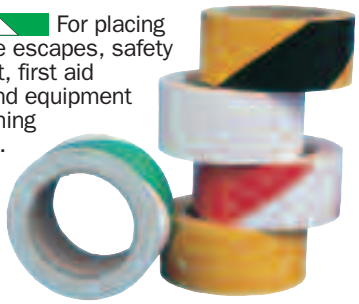
Hazard Warning Tape

Conventional usage:

For low head room, obstructions to be avoided, changes in floor levels, mobile equipment and placing around warning notices.

For locating fire equipment, placing around prohibition and indicating inflammable areas.

For placing around fire escapes, safety equipment, first aid posters and equipment and breathing apparatus.



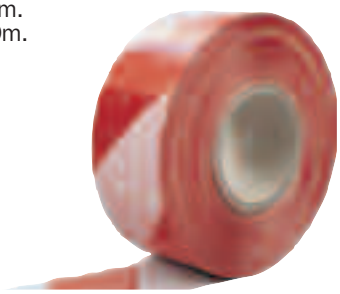
Colour	Width x Length	Order Code AVN-964
White	50mm x 33m	-4020B
Yellow	50mm x 33m	-4010A
Yellow/Black	50mm x 33m	-4030C
Red/White	50mm x 33m	-4040D
Green/White	50mm x 33m	-4080H
Green	50mm x 33m	-4050E
Blue	50mm x 33m	-4060F
Black	50mm x 33m	-4070G
Red	50mm x 33m	-4090J
Yellow/Black	75mm x 33m	-4230C

Barrier Tape - Non-Adhesive

Non-adhesive hazard tape. Red and white or yellow and black diagonal stripe. (30 micron). With dispenser box.

Width: 75mm.

Length: 500m.



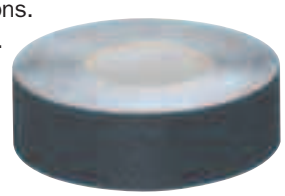
Colour	Order Code AVN-964
Red/White	-3750K
Yellow/Black	-3760K

KENNEDY Anti-Slip Floor Tape

Self-Adhesive Floor Tape

Provides extra traction on slippery surfaces such as hazardous floor areas, industrial machinery, playgroup apparatus, stair treads and various other potentially slippery areas. It can be used indoors or outdoors and is resistant to water, motor oil, detergents, solvents and UV light, providing a wide variety of anti-slip solutions.

Roll length: 18m.



Colour	Width (mm)	Order Code KEN-964
Black	25	-2025K

BS Pipeline Marking & Identification Tape

Suitable for use at filling points, drain valves, stops and flanging points. It is recommended that pipes be clearly labelled at points where contents of the pipes could be exposed. Polypropylene coated vinyl tape for durability.

Size: 50mm x 33m.



Text	Width (mm)	Order Code AVN-964
Gas	50	-2100K
Steam	50	-2110K
Water	50	-2120K
Electricity	50	-2130K
Flow	50	-2140K
Return	50	-2150K
↑ (Arrows)	50	-2160K
Air	50	-2170K
Oxygen	50	-2180K
Acid	50	-2190K
Hot	50	-2200K
Fire	50	-2210K

Magnetic Easy-Wipe Racking Strip

A flexible magnetic strip which adheres to any steel surface. Easily cut to size with a gloss vinyl surface which can be written on. For use with drywipe pens and solvent cleaner for wiping.

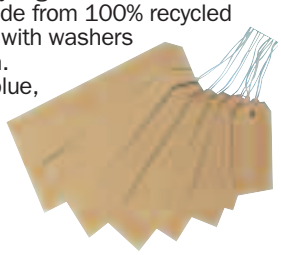
10m white rolls.



Label Size W x L	Order Code AVN-966
20mm x 10m	-0130K
30mm x 10m	-0140K
50mm x 10m	-0150K

Identification Tags with String

Strong, high quality tags ideal for a wide range of uses. Made from 100% recycled board. Reinforced with washers for added strength. Available in buff, blue, green, red, white and yellow. Please note, colours are for guidance only.



Colour	Size	Qty	Dimensions (mm)	Order Code AVN-966
Buff	1	1000	70 x 35	-0020K
	2	1000	82 x 41	-0030K
	3	1000	96 x 48	-0040K
Buff	4	1000	108 x 54	-0050K
	5	1000	120 x 60	-0060K
	6	1000	134 x 67	-0070K
Blue	2	250	120 x 60	-0080K
Green	2	250	120 x 60	-0090K
Red	2	250	120 x 60	-0100K
White	2	250	120 x 60	-0110K
Yellow	2	250	120 x 60	-0120K

Anti-Slip Self Adhesive Floor Tape

Provides extra traction on slippery surfaces such as hazardous floor areas, industrial machinery, playgroup apparatus, stair treads and various other potentially slippery areas. It is designed to provide a quick, effective and economical solution to the problem with a self-adhesive back for ease of installation. It can be used indoors or outdoors and is resistant to water, motor oil, detergents, solvents and UV light, providing a wide variety of anti-slip solutions.

NEW



Size	Pack Qty	Order Code AVN-964
Black	50	-5360K
	100	-5370K

Anti-slip Cleats

Provides extra grip on smooth surfaces. Hard wearing, durable and easily installed. Pad size 610mm x 150mm. Supplied in black.

General Purpose

Ideal for stairways, ramps, ladders and machine footplates.

NEW



Size	Pack Qty	Order Code AVN-964
610 x 150mm	5	-5240K
	10	-5250K

Coarse

Ideal for indoor and outdoor use.

NEW



Size	Pack Qty	Order Code AVN-964
610 x 150mm	5	-5320K
	10	-5330K

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MATLOCK Jute Rope

6mm x 10m hank and 100m reel. No.4 type. 8 plait construction with core. 100% natural jute fibre. Resistant to heat and fire. Low stretch. Fully biodegradable. Store in a dry place. A general-purpose rope used by builders, DIY and gardeners.



Size Dia x Length	Weight each	Order Code MTL-978
6mm x 10m	185g	-5510K
6mm x 100m	1850g	-5520K

Waxed Cotton Rope

6mm x 10m hank and 100m reel. No.4 type. 16 plait construction. Waxed for longer life. Polypropylene core for added strength. Weather-resistant. Low stretch. Smooth running. Used in the building trade and DIY for sash window repair, household refurbishment and outdoor use.



Size Dia x Length	Weight each	Order Code MTL-978
6mm x 10m	240g	-5710K
6mm x 100m	2.4kg	-5720K

Polished Cotton Rope

6mm x 10m hank. No.8 type. Solid 12 braid construction. Centre core. 100% pure cotton. Polished finish for longer life. High abrasion resistance. Moisture-resistant. Low stretch. Used in the building trade and in the home Applications include sash window repair, industrial and domestic pulley systems.



Size Dia x Length	Weight each	Order Code MTL-978
6mm x 10m	285g	-5910K

Hi Vis Braided Cord

4mm x 100m reel. Solid 16 plait construction. Highly flexible with polypropylene for added strength and durability, weather-resistant and will float on water. Low stretch and smooth running.



Size Dia x Length	Weight each	Order Code MTL-978
4mm x 100m	600g	-6840K

Polyester Rope

6mm x 100m reel. No.4 type. Eight plait construction. Centre core. 100% polyester. Easy to handle, knot and splice. High abrasion-resistance. Resistant to organic and mineral acids, oxidising agents and diluted alkalis. UV and weather resistant. Low stretch. A general-purpose high strength rope, suitable for repairing sash windows.

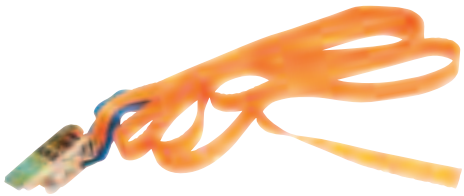


Size Dia x Length	Weight each	Order Code MTL-978
6mm x 100m	2.3kg	-5620K

Industrial Load Straps

Load Strap Plain End

Supplied as a single strap with ratchet unit attached to one end. Tension is applied by looping the strap around the cargo and threading back through the ratchet. Designed to safely secure cargo for transport.



Product Code	Length	Min Break load	Order Code MTL-978
LS11-0.3T	2.5m	300kg	-8020K
LS05-0.8T	4.5m	800kg	-8040K
LS05-1T	4.5m	1,000kg	-8060K
LS05-0.8T	6.0m	800kg	-8080K
LS05-1T	6.0m	1,000kg	-8100K
LS05-2T	7.5m	2,000kg	-8120K
LS05-2.5T	7.5m	2,500kg	-8140K
LS05-5T	8.0m	5,000kg	-8180K

Hook-Ended Two-Part Load Strap

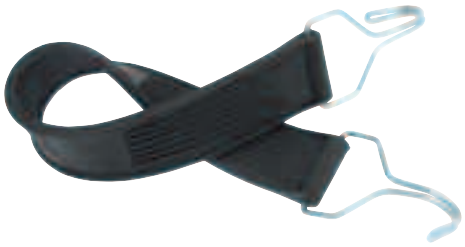
Supplied as two pieces. The first strap is hooked on one end and plain on the other. The second is a shorter strap with a hook on one end and ratchet on the other. Tension is applied by looping the strap around the cargo and threading back through the ratchet. Designed to safely secure cargo for transport.



Product Code	Length	Min Break load	Order Code MTL-978
LS02-1.5T	4.0m	1,500kg	-8300K
LS02-0.8T	4.5m	800kg	-8340K
LS02-1T	4.5m	1,000kg	-8360K
LS02-1T	6.0m	1,000kg	-8380K
LS02-1.5T	6.0m	1,500kg	-8400K
LS02-3T	6.0m	3,000kg	-8420K
LS02-2T	7.5m	2,000kg	-8440K
LS02-2.5T	7.5m	2,500kg	-8460K
LS02-5T	8.0m	5,000kg	-8500K
LS02-4T	9.0m	4,000kg	-8540K
LS02-5T	9.0m	5,000kg	-8560K
LS02-4T	10.0m	4,000kg	-8600K
LS02-5T	10.0m	5,000kg	-8620K

Cargo Strap

Designed and moulded of custom 'high stretch' compounded rubber (50%) with reinforced ends and heavy duty hooks. Manufactured with the graduated teardrop design at each end for added strength. Strong end hooks, zinc-plated for added rust protection.



Size Length x Width	Weight each	Order Code MTL-978
400 x 40mm	134g	-4200K

Elastic Shock Cord

Manufactured from hard-wearing and rot-proof elastic shock cord with a multi-stranded elastic core, the outer polythene cover is UV-resistant, weatherproof and heat cut and sealed to prevent fraying, for increased durability. Ideal for securing awkward items and countless other applications.



-6560K



-6580K

Size	Order Code MTL-978
6mm x 8m	-6560K
8mm x 8m	-6580K

Tarpaulin Cord Ball Ties

Manufactured from hard-wearing and rot- proof 5mm elastic shock cord with a multi-stranded elastic core, the outer polythene cover is UV-resistant and weatherproof for increased durability.

PACK OF 10



Size	Order Code MTL-978
150mm (6")	-9160K
250mm (10")	-9200K

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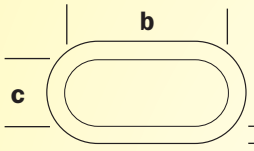
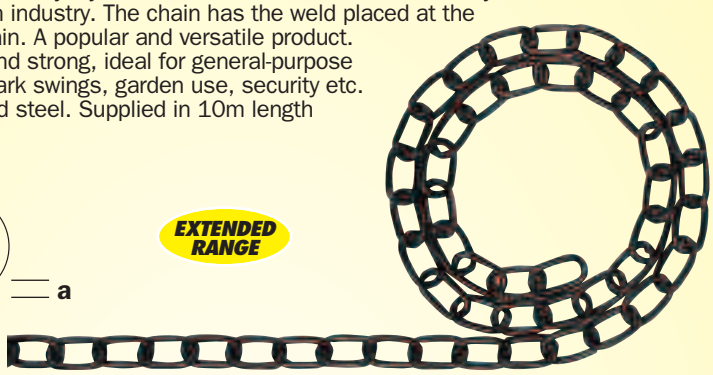
MATLOCK Welded Straight Link Chain

Often used for common everyday uses such as trailer ties and door stays as well as the handling of materials in industry. The chain has the weld placed at the side of each link of chain. A popular and versatile product. Welded chain is light and strong, ideal for general-purpose applications such as park swings, garden use, security etc. Manufactured from mild steel. Supplied in 10m length packs in boxes.



Link Sizing

EXTENDED RANGE



Japanned

From the ancient Japanese method of stove enamelling. Results in an attractive shiny black surface. Ideal for outdoor use.

Link Size **a** x **b** x **c** (mm)	Recommended Loading (kg)*	Length per Box	Weight each (kg)	Order Code MTL-978
3 x 21 x 8	50	10m	1.60	**-1010K**
4 x 26 x 9	85	10m	2.70	**-1020K**
5 x 28 x 11	130	10m	4.70	**-1030K**
6 x 33 x 13	140	10m	7.00	**-1040K**
8 x 40 x 15	160	10m	9.00	**-1050K**

Galvanised

Gives a high standard of corrosion resistance in all exterior environments. The thickness of the zinc coating may be variable due to the process of dipping in molten zinc. Recommended for exterior use.

Link Size **a** x **b** x **c** (mm)	Recommended Loading (kg)*	Length per Box	Weight each (kg)	Order Code MTL-978
3 x 21 x 8	50	10m	1.70	**-1110K**
4 x 26 x 9	85	10m	2.90	**-1120K**
5 x 28 x 11	130	10m	5.00	**-1130K**
6 x 33 x 13	140	10m	7.20	**-1140K**
8 x 40 x 15	160	10m	9.30	**-1150K**

Bright Zinc-Plated (BZP)

Zinc-plating involves the electrolytic application of zinc by immersing clean steel parts in a zinc salt solution and applying an electric current. This process applies a layer of pure zinc. Ideal for exterior use.

Link Size **a** x **b** x **c** (mm)	Recommended Loading (kg)*	Length per Box	Weight each (kg)	Order Code MTL-978
3 x 21 x 8	50	10m	1.70	**-1210K**
4 x 26 x 9	85	10m	2.90	**-1220K**
5 x 28 x 11	130	10m	5.00	**-1230K**
6 x 33 x 13	140	10m	7.20	**-1240K**
8 x 40 x 15	160	10m	9.30	**-1250K**

Solid Brass Oval

A general purpose chain, decorative and rust resistant.

Link Size **a** x **b** x **c** (mm)	Finish	Length per Box	Weight each (kg)	Order Code MTL-978
1.8 x 13	Chrome	10m	0.70	**-1810K**
1.8 x 13	Polished	10m	0.70	**-1820K**
2.3 x 16	Chrome	10m	0.97	**-1910K**
2.3 x 16	Polished	10m	0.97	**-1920K**

Stainless Steel Long Link

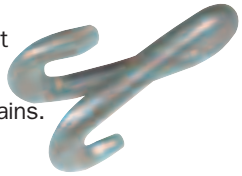
Stainless steel marine grade for additional corrosion resistance.

Link Size **a** x **b** x **c** (mm)	Recommended Loading (kg)*	Length per Box	Weight each (kg)	Order Code MTL-978
3 x 26 x 6	80	10m	2.20	**-2020K**
4 x 32 x 8	120	10m	3.40	**-2030K**
5 x 35 x 10	160	10m	5.10	**-2040K**
6 x 42 x 12	250	10m	5.82	**-2050K**
8 x 52 x 16	460	10m	11.40	**-2060K**

* Chains are NOT tested. Load figures are guidance only.

Mending Links

With 'scarf' opening at one end for maximum strength. Ideal for joining or repairing chains. Galvanised finish.



Size (mm)	Length (mm)	Pack Qty	Order Code MTL-978
5	32 (1¼")	5	**-3300K**
6	38 (1½")	5	**-3310K**
7	51 (2")	2	**-3320K**
8	51 (2")	2	**-3330K**

Cleat Hooks

Cast iron hooks generally for use with pulleys.



Length (mm)	Finish	Order Code MTL-978
75 (3")	Electro-Galv	**-4620K**
100 (4")	Electro-Galv	**-4630K**
150 (6")	BZP	**-4640K**

Quick Repair Links

A connection for joining lengths of chain or rope. Available in two finishes.

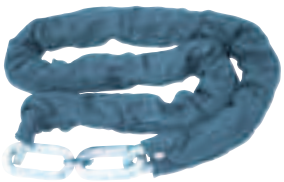


Link Dia. (mm)	Finish	Pack Qty	Order Code MTL-978
3.5 (3/32")	Zinc	2	**-3370K**
4 (5/32")		2	**-3380K**
5 (3/16")		2	**-3390K**
6 (1/4")		1	**-3400K**
8 (5/16")		1	**-3410K**
4 (5/32")	Stainless Steel	2	**-3450K**
5 (3/16")		2	**-3460K**
6 (1/4")		2	**-3470K**
8 (5/16")		2	**-3480K**

Heavy Duty Security Chain

Black Nylon

Hardened square links with nylon sheath for protection. For domestic and industrial applications.

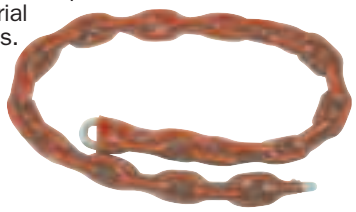


Chain Length	Link Dia.	Sheath Material	Order Code MTL-978
1200mm	10mm	Nylon	**-3100K**
1500mm			**-3110K**

Strong Link Security Chain

Bright Zinc Plated (BZP)

Hardened links with a polypropylene moulded sheath for added protection. For domestic and industrial applications.

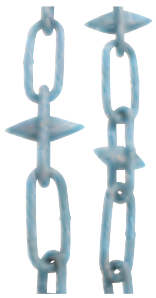


Chain Length	Link Dia.	Finish	Order Code MTL-978
900mm	8mm	BZP	**-3200K**
1200mm			**-3210K**
1500mm			**-3220K**

Spiked Steel Chain

Galvanised

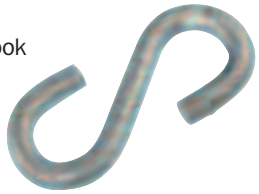
Ornamental welded steel chain with spike every alternate link. Hot dip galvanised for maximum corrosion resistance.



Link Size (mm)	Finish	Order Code MTL-978
1500 x 8mm	Galvanised	**-3020K**

S-Hooks

General-purpose hook ideal for hanging baskets etc. Galvanised finish.



Length (mm)	Pack Qty	Dia. of Material	Order Code MTL-978
25 (1")	10	3.0mm	**-3700K**
38 (1½")	10	4.5mm	**-3710K**
51 (2")	10	5.5mm	**-3720K**
63 (2½")	5	6.3mm	**-3730K**
76 (3")	5	8.0mm	**-3740K**
100 (4")	5	10.0mm	**-3750K**

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MATLOCK Swivel Harness Snap Hook

A general-purpose hook ideal for keys, leashes and holdalls.



Length x Eye (mm)	Finish	Order Code MTL-978
76 x 20 (3" x 3/4")	Nickel-Plated	-4540K

Swivel Spring Billet Hook

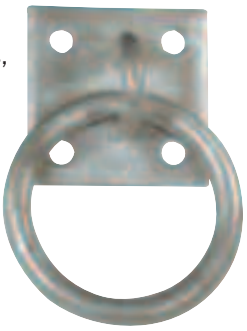
Animal leash clips for chains, with swivel to prevent knotting and twisting.



Length (mm)	Finish	Order Code MTL-978
57 (2 1/4")	Nickel-Plated	-4510K

Ring On Plate

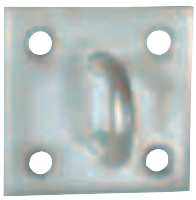
For tethering animals, mooring small boats, and securing equipment.



Ring x Plate (mm)	Finish	Order Code MTL-978
50 x 50 (2" x 2")	Galvanised	-4740K

Staple On Plate

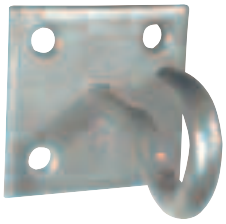
A comprehensive range of accessories to suit flexible connectors, ropes and chains. For permanently fixing chain or rope to a wall, fence or post.



Staple x Plate (mm)	Finish	Order Code MTL-978
50 x 50 (2" x 2")	Galvanised	-4720K

Hook On Plate

End fitment for mounting on to fence posts or walls.



Hook x Plate (mm)	Finish	Order Code MTL-978
50 x 50 (2" x 2")	Galvanised	-4700K

Bow Shackles

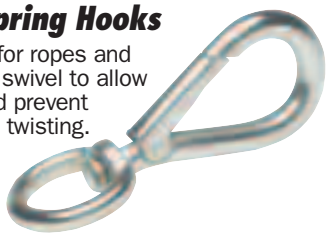
A coupling link with a bow shape to allow extra clearance for more than one length of chain or rope. Material and pin diameters are equal except where stated. Rated loads are for guidance only. 'Tested' bow shackles are available to order.



Material x Pin Dia. (mm)	Finish	Order Code MTL-978
6 (1/4")	Galvanised	-4420K
10 (3/8")	Galvanised	-4440K
13 (1/2")	Galvanised	-4450K

Swivel Spring Hooks

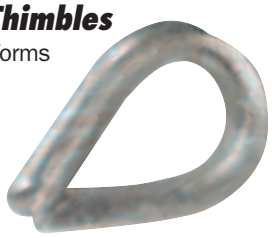
Connectors for ropes and chains, with swivel to allow revolving and prevent knotting and twisting. Zinc plated finish.



Length (mm)	Pack Qty	Order Code MTL-978
50 (2")	2	-3500K
63 (2 1/2")	2	-3510K
75 (3")	2	-3520K
90 (3 1/2")	2	-3530K
100 (4")	2	-3540K

Commercial Thimbles

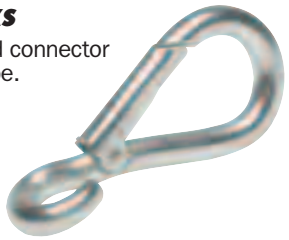
A metal loop that forms a rope eyelet to prevent wear and tear. Galvanised finish.



Length x Rope Dia. (mm)	Pack Qty	Order Code MTL-978
25 x 3 (1" x 1/8")	4	-3800K
28 x 4 (1 1/8" x 5/32")	4	-3810K
32 x 5 (1 1/4" x 3/16")	4	-3820K
38 x 6 (1 1/2" x 1/4")	4	-3830K

Spring Hooks

A permanent end connector for chain and rope.



Length (mm)	Finish	Order Code MTL-978
50 (2")	Zinc-Plated	-3600K
63 (2 1/2")	Zinc-Plated	-3610K
75 (3")	Zinc-Plated	-3620K
90 (3 1/2")	Zinc-Plated	-3630K
100 (4")	Zinc-Plated	-3640K

Wire Rope Grips

To grip the return ends of wire rope when in a loop. For rope grips shackles supplied with certificates of conformity please.



Wire Rope Dia. (mm)	Finish	Pack Qty	Order Code MTL-978
3 (1/8")	Galvanised	4	-5010K
5 (3/16")	Galvanised	4	-5020K
6 (1/4")	Galvanised	4	-5030K
8 (5/16")	Galvanised	2	-5040K
10 (3/8")	Galvanised	2	-5060K
13 (1/2")	Galvanised	2	-5070K

Dee Shackles

A coupling link for chain and rope with a 'D' shape to prevent excess movement. Material and pin diameters are equal except where stated. Rated loads are for guidance only - 'tested' dee shackles are available to order.



Material x Pin Dia. (mm)	Finish	Pack Qty	Order Code MTL-978
5 (3/16")	Galvanised	4	-4320K
6 (1/4")	Galvanised	4	-4330K
8 (5/16")	Galvanised	2	-4340K
10 (7/16")	Galvanised	2	-4350K
12 (1/2")	Galvanised	2	-4360K
16 (5/8")	Galvanised	2	-4370K
4 (5/32")	St. Steel	2	-4380K
5 (3/16")	St. Steel	2	-4390K
6 (1/4")	St. Steel	2	-4400K
8 (5/16")	St. Steel	2	-4410K

Carbine Hooks

Quick release hook for connecting to chain or rope.

EXTENDED RANGE



Dia. x Length (mm)	Finish	Pack Qty	Order Code MTL-978
5 x 50 (2")	Galvanised	2	-4120K
6 x 60 (2 3/8")	Galvanised	2	-4130K
7 x 70 (2 3/4")	Galvanised	2	-4140K
8 x 80 (3 5/32")	Galvanised	2	-4150K
10 x 100 (4")	Galvanised	2	-4160K
4 x 40 (1 19/32")	St. Steel	2	-4180K
5 x 50 (2")	St. Steel	2	-4181K
6 x 60 (2 3/8")	St. Steel	2	-4182K
8 x 80 (3 5/32")	St. Steel	2	-4183K

Pulleys

Ideal for flagpoles, washing lines, and rolling back awning canopies. With cast wheels for ropes up to 8mm dia. Line pulleys are supplied fitted with S type hooks. Galvanised pulleys have cast wheels for rope up to 8mm dia. Black (epoxy) pulleys have nylon wheels for rope up to 8mm dia. All types below are with single wheel.

Pulley Type	Sheath Dia. (mm)	Finish	Order Code MTL-978
Awning	38 (1 1/2")	Galvanised	-3910K
Awning	38 (1 1/2")	Black	-3900K
Line	38 (1 1/2")	Galvanised	-3920K
Upright	38 (1 1/2")	Black	-3930K
Screw	44 (1 3/4")	Black	-3940K
Sash	44 (1 3/4")	Zinc Plated	-3950K



SITE MAINTENANCE

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MATLOCK Matlock Tarpaulins

For industry, construction, agriculture, marine, domestic and recreation. Washable, shrinkproof, rotproof, tear-resistant and UV stabilised to prevent fading. Ideal ground cover for camping, hunting or fishing.

Double-laminated polyethylene weave with rope lined hems which are heat-sealed with aluminium eyelets at one metre intervals.

Available in green or reversible blue/green.

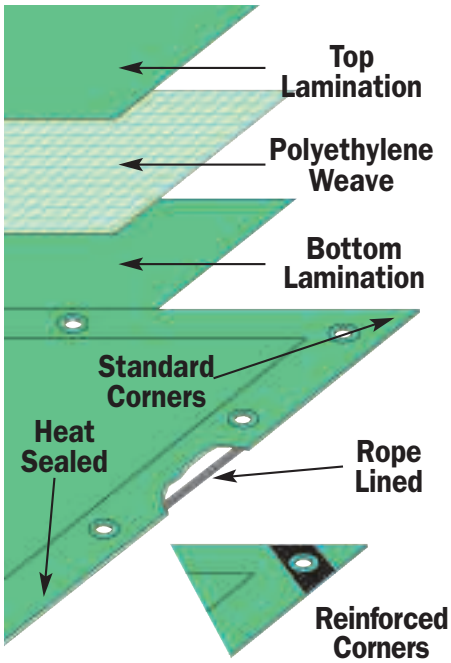
Standard Duty:
120g with standard corners.

Heavy Duty:
160g with reinforced corners.











Size (m)	Order Code MTL-984 Blue/Green
Standard-Duty 120g	
2.7 x 3.6	-1020K
3.6 x 5.4	-1040K
4.5 x 6.0	-1060K
5.4 x 7.0	-1080K
7.0 x 9.0	-1100K

Size (m)	Order Code MTL-984 Green
Standard Duty 120g	
1.2 x 1.8	-5000K
1.8 x 1.8	-5010K
1.8 x 2.4	-5020K
2.5 x 3.5	-5030K
3.6 x 5.0	-5040K
3.6 x 7.0	-5050K
4.0 x 5.0	-5060K
5.0 x 6.0	-5070K
5.4 x 7.2	-5080K
7.0 x 9.0	-5090K
7.0 x 11.0	-5100K
9.0 x 14.0	-5110K
10.0 x 10.0	-5120K
Heavy Duty 160g	
1.2 x 1.8	-5400K
1.6 x 2.2	-5405K
2.5 x 3.5	-5430K
3.6 x 5.0	-5440K
3.6 x 7.0	-5450K
4.0 x 5.0	-5460K
5.0 x 6.0	-5470K
5.4 x 7.2	-5480K
7.0 x 9.0	-5490K
10.0 x 10.0	-5520K

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MATLOCK Heavy Duty 'P' Handle Sack Truck

'P' style handle for easy handling of heavy objects. Handle design keeps truck horizontal when laid flat. All tubular steel construction. Large 250mm pneumatic wheels for stable transport over uneven or stepped surfaces. Self-assembly wheels.
Capacity: 200kg.



Capacity	Weight each	Order Code MTL-985
200kg	8.8kg	-1610K

Stair Climbing Sack Truck

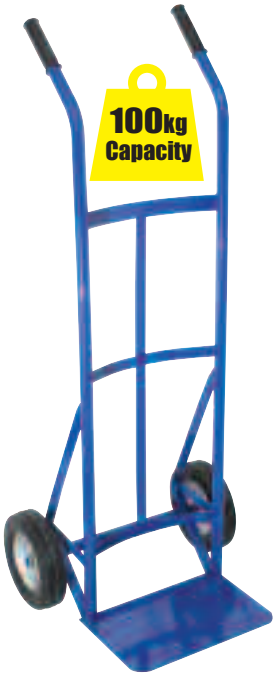
Tubular steel with double framed sides for increased rigidity. Looped handles provide knuckle protection and positive grip in various positions. Fitted with 400mm long footiron, three star wheeling with 125mm diameter polypropylene tyred wheels for regular contact with stairs and curbs.
Height x width: 1070 x 610mm.
Capacity: 200kg.



Capacity	Order Code MTL-985
200kg	-2020K

Heavy Duty Sack Trucks

High quality tubular steel frame with solid rubber tyres and hand grips on the handles.
Self-assembly wheels.
Capacity: 100 and 200kg.







Capacity	Colour	Weight each	Order Code CTL-985
100kg	Blue	10.3kg	-2000D
200kg	Red	11.7kg	-2010E

Stair Climbing Sack Truck

Tubular steel with double-framed sides for increased rigidity. Looped handles provide knuckle protection and positive grip in various positions. Curved crossbar - suitable for carrying cylindrical items. Fitted with 255mm long foot iron which has upturned back edge. Three star wheeling with 150mm diameter rubber tyred wheels for regular contact with stairs and curbs.
Height x width: 1275 x 620mm.
Capacity: 200kg.



Capacity	Weight each	Order Code MTL-985
200kg	16.5kg	-2000K

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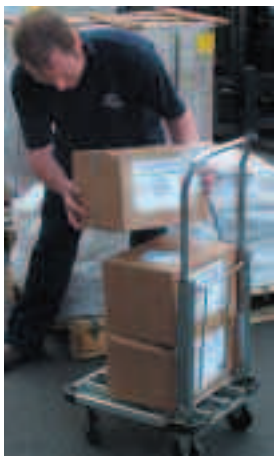
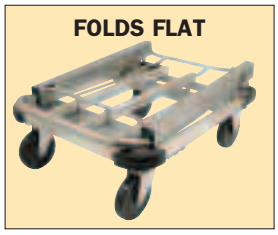
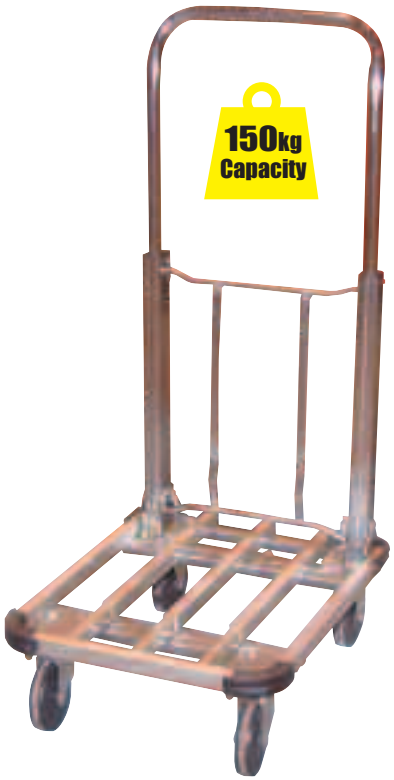
MATLOCK Folding Platform Truck

Lightweight aluminium. Ideal for delivery vans. 2x fixed and 2x 360° 100mm diameter solid rubber castors. 670 - 956mm telescopic handle. Folds flat for easy storage.

Base size: 500 x 415mm.
Capacity: 150kg.







Capacity	Weight	Order Code MTL-985
150kg	8.00kg	-3360K

Three Position Platform/Sack Truck

Large 200mm solid rubber sack truck wheels. Two 360° platform truck castors for easy manoeuvrability. Removable handle for easy storage. Flat packed for user assembly.

Capacity: 80kg.

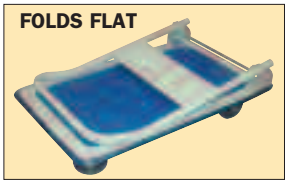


Capacity	Weight each	Order Code MTL-985
80kg	8.6kg	-2090K

Folding Trolleys

Non-slip PVC load surface. Tubular steel handle folds flat for minimal storage space requirements. 2x fixed and 2x swivel castors for easy movement. PVC buffer strip on the platform edge to protect doors and furniture. Ideal for office environments.

Platform size: 616 x 916mm.
Capacities: 150 and 300kg.





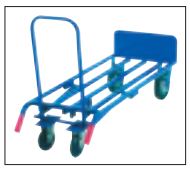
Capacity	Weight	Order Code MTL-985
150kg	8.5kg	-2030K
300kg	15.2kg	-2060K

Heavy Duty 3-in-1 Truck

Versatile hand truck which converts to a platform truck or 45° barrow. Fitted with two 200mm diameter solid rubber, roller bearing tyred wheels and two 125mm diameter rubber tyred swivel castors.

Height: horizontal 460mm, vertical 1250mm.
Width: 470mm.
Platform length: 1100mm.
Capacity: 350kg.





Capacity	Weight each	Order Code MTL-985
350kg	22.3kg	-0998K

Service Trolley

3 Shelf Trolley
Super strong polyethylene moulded. Constructed from a non-conductive material which is unaffected by battery acid, solvents and cleaning solutions.

Overall dimensions (L x W x H):
610 x 458 x 840mm.



Capacity	Order Code MTL-985
150kg	-3220K

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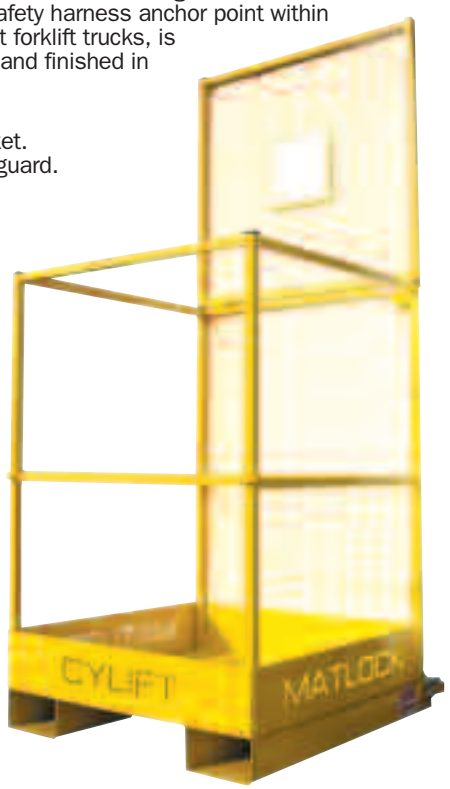
MATLOCK Access Platform

Non-integrated working platform fitted with foldaway rear guard. Meets the requirements of **HSE Guidance Note PM28 (3rd Edition December 2005).** An economical and safe way to carry out non-routine maintenance tasks. Lifts 200kg or one man with tools. Comes with rated fixed safety harness anchor point within the safety cage. Fits most forklift trucks, is manufactured from steel and finished in safety yellow.

Specifications:
800 x 800mm carry basket.
Fitted with foldaway rear guard.
Locking fork restraint.
Lift up front gate bar.
Fixed anchor point.

Fork size: 170 x 70mm.



Description	Carry Basket (mm)	Weight each	Order Code MTL-985
Access Platform	800 x 800	68kg	**-1430A**



Pallet Trucks

Fully sealed hydraulic system with pressure relief and overload valves. Three positon trigger: lift-neutral-lower. Bushed in key areas with grease points and entry/exit rollers.
National standards: ISO3691-5:2014 and ISO3691-7:2011.

Specification;
Capacity: 2500kg.
Fork length: 1150mm.
Overall fork width: 550/685mm.
Fork dimension: 160 x 50mm.
Raised height: 200mm.
Lowered height: 85mm.
Steer wheels: nylon 200 x 50mm.
Load rollers: tandem - 80 x 70mm.



Capacity	Fork Size (mm)	Order Code MTL-985
2500kg	1150 x 550	**-1290K**
2500kg	1150 x 685	**-1300K**

RUTLAND Garden Wheelbarrow

Standard - suitable for all garden and domestic use. Three piece tubular steel frame. 0.7mm pressed steel pan with rolled safety edges. Plastic handles for user comfort. Green stove enamelled, corrosion-resistant easy clean finish. Pneumatic tyred disc wheel.

Capacity: 85ltr (3cu.ft.).







Tyre Type	Weight each	Order Code RTL-985
Pneumatic	13kg	**-2600K**

Group 523

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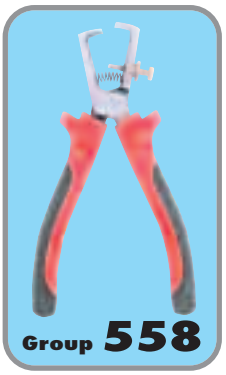
AVON PVC Insulation Tape

Extremely flexible with a good adhesion. For wire and cable insulation, bundling and reinforcing. Assorted colours for colour-coding cables. Flame retardant. Manufactured to **BS 4J10** (Aero) and **BS 3924**.

Roll length: 33m.
Box quantities:
19mm = 40, 25mm = 30
Thickness: 0.13mm (5mil).
Adhesion: 0.47kg/25mm, (16.5oz/1").
Tensile strength: 5.2kg/25mm (11.5lb/1").
Elongation: 150%.
Breakdown voltage: 5.5kV.
Insulation class: 80°C.



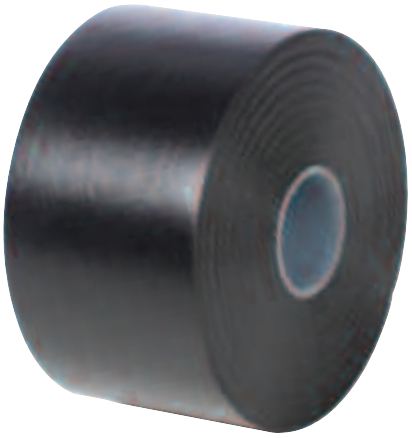


Roll Width	Colour	Box Quantity	Order Code AVN-986
19mm	Grey	40	-7400K
	Purple	40	-7450K
	Orange	40	-7500K
	Brown	40	-7550K
	Black	40	-7600K
	Blue	40	-7650K
	Green	40	-7700K
	Red	40	-7750K
	White	40	-7800K
	Yellow	40	-7850K
	Green/Yellow	40	-7950K
25mm	Black	30	-8100K
	Blue	30	-8150K
	Green	30	-8200K
	Red	30	-8250K
	White	30	-8300K
	Yellow	30	-8350K

Extra Wide PVC Insulation Tape

Extremely flexible with a good adhesion.
For wire and cable insulation, bundling and reinforcing. Flame retardant.
Manufactured to **BS 4J10** (Aero) and **BS 3924**.

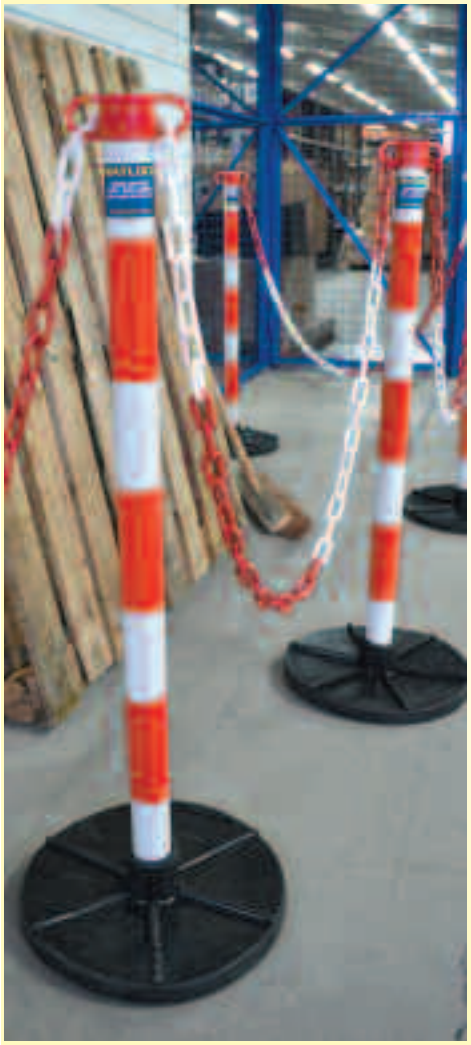
Roll length: 33m.



Roll Width	Colour	Order Code AVN-986
50mm	Black	-8500K
100mm	Black	-8700K

MATLOCK Post & Chain Barriers

The Matlock support post and chain demarcation barrier system is lightweight and sturdy. It is ideal to cordon off an area or to form a channel for queuing. Suitable for warehouses, factories, offices, leisure venues etc. Support posts, bases and chain packs sold separately.

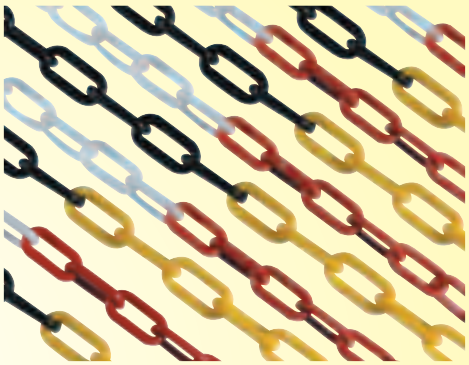


Chain support post with cap.
Height: 910mm. **Diameter:** 50mm.



Colour	Weight	Order Code MTL-992
White/Red	380g	-2840D
Yellow/Black	380g	-2860F

Chains
Supplied in 25m lengths



Colour	Chain Diameter	Order Code MTL-992
Red/White	6mm	-2500K
Black/Yellow	6mm	-2510K
Red/White	8mm	-2520K
Black/Yellow	8mm	-2530K
Red/White	10mm	-2540K
Black/Yellow	10mm	-2550K

Chain Support Post Bases



Type	Weight	Order Code MTL-992
Standard	1.9kg	-2720B
Heavy Duty	3.3kg	-2740D

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Z-Barrier™

Effective solution that guarantees satisfactory BARRIER CONTROL in any environment

Traditional systems for controlling people traffic using standard barriers connected via a chain or belt going pole to pole are associated with the continuous problems of maintaining a safe place to work. Even expanding barriers or self-retractable barriers could break, fall down or blow away exposing people to unnecessary and unacceptable risk. The cumbersome nature of the sturdier systems also limits their usability, making them less flexible and impairs their portability. These problems are magnified in areas that have to cope with work space restrictions and hazardous working conditions such as those found in the offshore gas and oil industry. Barriers are a key requirement of the Health and Safety (Safety Signs and Signals) Regulations.

The 'Z-Barrier' system is the most innovative improvement in temporary safety barriers and provides an effective solution that guarantees satisfactory barrier control in any work environment.

'Z-Barriers' are patent pending for the unique design that ensures barriers are prominent and remain in position, for all physical and environmental conditions.

Manufactured from a unique, reinforced PVC-based double-sided warning tape, with a high visibility day glow pattern on one face and a night reflective pattern on the other face.

These are the most visible barriers available on the market today. Quick and easy to put up, they are easily fastened to any anchor point or each other, providing a flexible barrier across any opening, around objects or in multiple directions.

Elastic properties allow 'Z- Barriers' to expand and fit between points instead of being cut to length. They are inherently shock absorbing and resist any degree of wind load to prevent damage.





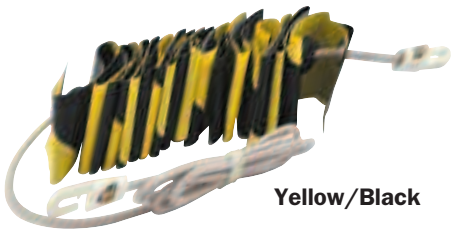
Other signs available on request, specials can be made to order.

A4 Sign Pockets (shown above)

The flexible and robust sign pockets were designed to allow users to quickly and effectively create their own signage. All you need is a pen and paper. However we do supply a range of standard signs that will fit the pockets. The most popular designs are shown here.

Description	Order Code MTL-992
A4 Sign Pockets	-7010K

Individual Z-Barriers



Size	Expansion Range	Order Code MTL-992
	White/Red	
1	1 - 2m	**-5010K**
2	2 - 4m	**-5020K**
3	3 - 6m	**-5030K**
	Yellow/Black	
1	1 - 2m	**-9301K**
2	2 - 4m	**-9302K**
3	3 - 6m	**-9303K**

Z-Barrier Starter Pack

Contents: 10x size 1, 5x size 2 and size 3 and 2x sign pockets.

Colour	Order Code MTL-992
White/Red	**-9010K**
Yellow/Black	**-9322K**

Z Barrier High Visibility Heavy Duty Bag

With two shoulder straps, a carry handle and a drawstring at the top.



Description	Order Code MTL-992
Heavy Duty Bag	**-3500K**

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TUFFSAFE Fire Blankets

Fire blanket supplied in a quick release dispenser which can be attached to a wall near possible fire hazards. The blanket is manufactured from neoprene coated glass cloth. Conforms to **BS6575 1985** light duty. **B.A.F.E. approved**, Kitemarked to **BS EN1 869: 1997** and independently tested by the Loss Prevention Council. Guaranteed for five years. Unique patented 3-ply blanket material will effectively extinguish cooking oil fires.



Blanket Size	Order Code TFF-994
1.2 x 1.2m	-3000K
1.8 x 1.2m	-3020K
1.8 x 1.8m	-3040K

TUFFSAFE Eye Wash Station Cabinet

Wall mounted eye wash station cabinet complete with 2x 500ml eye wash solution and 2x No.16 sterile eye pads.

Weight: 2.0kg.











Description	Order Code TFF-996	
Eye Wash Cabinet	-1950K	N/A
Replacement 500ml Eye Wash Solution	-1980K	N/A

Alcohol-free Cleansing Wipes

The alcohol-free solution cleanses and soothes cuts and grazes and prepares surrounding area for dressing, ensuring greater adhesion. Individual sachets.

PACK OF 100



Pack Quantity	Order Code TFF-996	
100	-1840K	N/A

Unmedicated Dressings

High quality absorbent dressings. Medium and large dressings are sterile. Eye pad and triangular bandage are non-sterile.





Description	Size	Pk Qty	Order Code TFF-996	
Dressings	120x120mm	6	-2670K	N/A
	180x180mm	6	-2680K	N/A
Eye Pad		10	-2000K	N/A
Triangular Bandage	90x127cm	6	-2600K	N/A

Assorted Plasters

All the Tuffsafe® range of plasters are latex free, ventilated and sterile. Five different sizes (assorted) per box. Individually wrapped.





Type	Pack Size	Weight each	Order Code TFF-996	
Blue - Detectable	100 assorted	125g	-2490K	N/A
Stretch Fabric	100 assorted	130g	-2510K	N/A
Waterproof	100 assorted	120g	-2530K	N/A
Fabric Extension	50 (170 x 20mm)	110g	-2560K	N/A

Safety Pins

In assorted sizes. Pack of 60.

PACK OF 60



Sizes	Order Code TFF-996	
00, 0, 1	-3000K	N/A
0, 1, 2	-3020K	N/A

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TUFFSAFE Small Catering First Aid Kit

Supplied in attractive durable polypropylene blue plastic box with internal compartments for ease of access to the required dressing or treatment. Secure lids to help protect contents against dust and moisture. Wall mountable - optional hanging bracket enabling the kits to be positioned at fixed first aid points but also easily released from the wall bracket to enable it to be carried to the injured person. For up to 10 persons. Supplied in a plastic box complete with wall bracket 268 x 180 x 50mm.



Contents:
1x guidance card.
4x triangular bandages.
20x assorted blue plasters.
2x No.16 eye pads.
6x medium dressings 120 x 120mm.
2x large dressings 180 x 180mm.
1x face shield.
2x pairs latex gloves.
6x alcohol-free wipes.
1x pair tuff-cut scissors.
6x safety pins.
2x paraffin gauze pads 100 x 100mm.
Roll of blue detectable tape.
30g burns cream.
6x blue finger stalls.

Description	Weight each	Order Code TFF-996	
Small	0.8kg	-0750K	N/A

Lone Worker Kit

Essential First Aid Kit for someone working off-site or on the road.

Contents:
1x guidance leaflet.
10x adhesive plasters.
1x No.16 sterile eye pad.
2x triangular bandage.
6x safety pins.
2x medium sterile dressings 12 x 12cm.
1x large sterile dressing 18 x 18cm.
6x alcohol-free wipes.
1pr disposable gloves.



Description	Weight each	Order Code TFF-996	
Lone Worker Kit	0.3kg	-0500K	N/A

Burns Kit

The Tuffsafe Burns Kit comes in an attractive durable polypropylene red plastic box which is associated with burns treatment. It comes complete with a comprehensive range of water-based burns dressings which soothes and moisturises the burns area by inhibiting fluid loss.

Contents: 1x first aid leaflet, 4x pairs disposable gloves, 1x burnshield 50ml solice, 1x heavy-duty clothing snips, 2x medium sterile dressings 12 x 12cm, 12x safety pins, 2x large sterile dressing 18 x 18cm, 4x hydrogel burn blot, 1x burnshield dressing 10 x 10cm, 2x burnshield dressing 20 x 20cm.



Description	Weight each	Order Code TFF-996	
Large	120g	-0820K	N/A

Standard First Aid Kits

Suitable for the workplace.

10 Person:
For small work places up to 10 persons.
Supplied in a plastic box complete with handle.
270 x 220 x 90mm.

20 Person:
For work places employing up to 20 persons.
Supplied in a plastic box complete with handle. 270 x 220 x 90mm.

50 Person:
For work places employing up to 50 persons.
Supplied in a plastic box complete with handle. 270 x 340 x 100mm.



50 Person Kit



20 Person Kit



10 Person Kit

Size	Order Code TFF-996	
10 Person	-0710K	N/A
20 Person	-0720K	N/A
50 Person	-0730K	N/A
Refill Kits		
10 Person	-1420K	N/A
20 Person	-1430K	N/A
50 Person	-1440K	N/A



Contents Chart	10 Person	20 Person	50 Person
Guidance leaflet	1	1	1
Individually Wrapped Sterile Adhesive Plasters	20	40	60
No. 16 Sterile Eye Pad	2	4	6
Triangular Bandage	4	6	8
Safety Pins	6	12	12
Medium Sterile Dressing, 12cm x 12cm	6	9	12
Large Sterile Dressing, 18cm x 18cm	2	3	4
Alcohol Free Cleansing Wipes	6	10	20
Disposable Gloves	1 pair	2 pairs	3 pairs

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GROUP 957 HEAD PROTECTION

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GROUP 958 HEARING PROTECTION

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GROUP 959 RESPIRATORY PROTECTION

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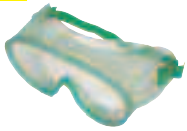
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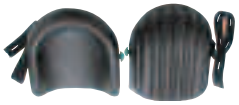
GROUP 962 KNEE & ELBOW PADS

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PERSONAL PROTECTION

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Product Grading



Production
High performance industrial tooling designed for continuous use applications on machine tools where repeatability and long tool life are of critical importance.



Professional
Industrial tooling that has enhanced features and benefits demanded by craftsmen and professional users.



Industrial
Designed for regular use in industrial applications. Manufactured to stringent quality levels and international standards.



Workshop
Standard quality tooling for use by tradesmen and generally industrial use.



Maintenance
Products designed for general maintenance of machines, workshops, garages and some household applications.



Home Improver
DIY quality tooling. Designed for home use and light industrial applications.

Head Protection

Offers protection from falling impact hazards such as bricks, tools and materials. It is recommended that helmets are replaced at a maximum interval of five years. This interval should be greatly reduced for helmets that have been exposed to extensive wear and tear, left in the sun, written on or have had any labels stuck on that do not have the correct adhesive. Helmets that have been damaged i.e. cut or scratched should be replaced immediately. Helmets should be regularly inspected for damage.



TUFFSAFE Head Protection System

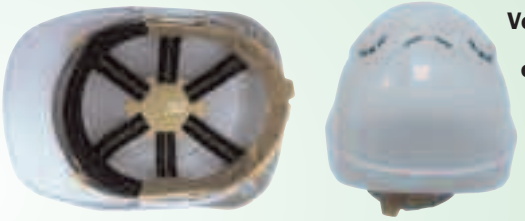
ABS Vented Safety Helmets
Vented safety helmets that have been designed with comfort, performance and style in mind.
6-point adjustable harness ensures a safe comfortable fit.
Conform to: **EN 397: 1995.**



Colour	Order Code TFF-957	
White	-1210K	N/A
Yellow	-1220K	N/A
Blue	-1230K	N/A
Red	-1240K	N/A
Orange	-1250K	N/A
Adjustable Chinstrap	-1940K	

"Mix and Match" with accessories listed below or with any other PPE to create a tailored system for all applications and trades.
All items are sold separately.





8-point adjustable harness

Vented for wearer comfort

Helmet Mounted Ear Defenders
Manufactured from high quality materials and designed to be comfortable during prolonged periods of wear. For use (only) with Tuffsafe Vented Safety Helmets.
Conform to: **EN 352-3: 2002. SNR:** 27dB.

Description	Colour	Order Code TFF-958
Ear Defenders	Yellow	-1250K

Safety Visor
Clear, polycarbonate visor for use with Tuffsafe Visor Carrier and Vented Safety Helmets.
Conforms to: **EN 166 (2001).** Optical class 1.
Size: 225mm.

Description	Order Code TFF-960
Polycarbonate Visor	-2840K
Visor Carrier	-2920K



Ear defenders, chinstrap, visor carrier and visor supplied separately.

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SITESAFE Safety Helmets

Standard+
Made of high-density injected polyethylene, the Sitesafe Standard Safety Helmet is designed to provide optimal impact protection from falling objects such as bricks and roofing tiles, as well as from electrical discharges up to 440 Vac. It comes with a fully adjustable six point harness to fit a wide range of head sizes.
Conform to:
EN 397: 2012 &
EN 50365: 2002.

NEW



6-point adjustable harness

Colour	Order Code SSF-957	
Orange	-2040K	N/A
Red	-2050K	N/A
Royal Blue	-2060K	N/A
White	-2070K	N/A
Yellow	-2080K	N/A

RUTLAND Personal Protection Equipment Professional Safety Helmets

Lightweight, stable and comfortable fit with less leverage on the head and a lower centre of gravity, making it feel even lighter than it is. Short peak for enhanced visibility.
The new DeFormaTec™ system reacts ultra quickly to absorb impact energy before it reaches the wearer. The helmet shell is a result of analysis of thousands of helmet crash tests.
It is based on the same principle as a rigid yet flexible Formula 1 chassis, reacting on impact by partial deformation to absorb the shock. Fitted with a 4-point adjustable comfort webbing harness and absorbent soft leather sweatband.
Conform to **EN 397: 1996**.



Colour	Weight each	Order Code RTL-957	
White	325g	-0400K	N/A
Yellow	325g	-0420K	N/A

SITESAFE Helmet Accessories

For use with Sitesafe Safety Helmets
Polycarbonate Visor
225mm clear polycarbonate visor provides all round visibility whilst protecting against flying particles and liquid splash. Visor carrier supplied separately.



Carrier

Visor

Description	Order Code SSF-960	
Visor	-9420K	
Description	**Order Code SSF-957**	
Carrier	-7200K	N/A

Welder's Caps

Comfortable, durable and washable welder's caps. Double stitched construction with absorbent cotton sweat band. Can be worn with the peak to the rear when a screen is used. New improved version with taped, reinforced internal seams for extra durability and improved comfort.



Size	Weight each	Order Code WDA-957
7 1/8"	35g	-5500K
7 1/4"	35g	-5510K
7 3/8"	35g	-5520K
7 1/2"	35g	-5530K
7 5/8"	40g	-5540K
7 3/4"	40g	-5550K

TUFFSAFE Baseball Bump Caps

Protects the head against accidental scraping and bumping. Absorb energy from a blow by partial destruction or damage to the shell of the cap. It is fashionable, comfortable, breathable with the twin ventilation panels and protectivemesh layer on top. Washable. Adjustable strap to fit head size 58 to 62cm. Different colours available.
Conforms to **EN 812: 2012**.







Colour	Order Code TFF-957
Black	-1700K
Navy	-1740K

Baseball Bump Caps

Protects the head against accidental scraping and bumping. Energy from an impact is absorbed and dissipated by partial destruction or damage to the under shell of the cap. It is fashionable, lightweight and breathable. Reduced peak for increased upward vision, washable. Adjustable strap to fit head size 54 to 59cm.
Conforms to: **EN812:2012**.

NEW







Colour	Order Code TFF-957
Navy	-1800K
Red	-1801K
Royal	-1802K
Black	-1803K

PERSONAL PROTECTION

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TUFFSAFE Disposable Ear Plugs

Premium
High protecting shaped foam ear plugs which provide maximum comfort with excellent attenuation, the smooth tapered finish makes fitting easier and helps form a comfortable fit. These ear plugs give evenly distributed pressure, flexibility and a good seal with optimum comfort.
Conform to **CE 0194 EN352-2: 2002**.



PACK OF 200PR

SNR = 37dB

Pack Quantity	Order Code TFF-958
200pr	-0080K

Disposable Ear Plugs

Hexagonal foam plugs. Conform with **EN352-2: 2002**. Supplied as pairs, individually packed in polythene pouches.
Tested and approved by **INSPEC**.
Box = 200 pairs.



PACK OF 200PR

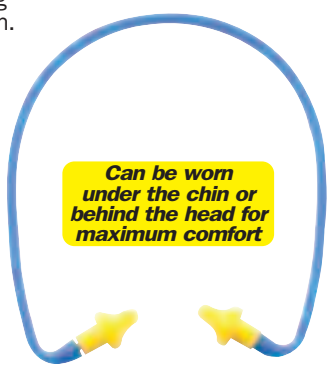
SNR = 29dB

H = 32dB
M = 25dB
L = 20dB

Model Number	Weight per pk	Order Code TFF-958
HEP029	380g	-0010K

Banded Ear Plugs

Durable plastic headband equipped with soft, flexing pads adjusting to jaw and head movements. It can be worn under the chin or behind the head. Arms pivot for maximum comfort. Suitable for intermittent wear as the ear plugs do not need to be rolled to be fitted allowing easy insertion.



SNR = 21dB

Type	Order Code TFF-958
Banded	-0200K

Ear Plug & Dispenser System

The dispenser is supplied with 1,000 TuffSafe® cordless earplugs (Refill order code: TFF-958-9020K). The dispenser is designed for durability and ease of use in the workplace. The ear plugs are dispensed singly simply by twisting the nozzle, the clear container allows the contents to be seen at all times helping to ensure you do not unexpectedly run out of earplugs. The dispensers can either be fixed to a wall or stood on a workbench.

Ear plug specification:
Cordless type, disposable for comfortable hearing protection without impairing normal communication.
SNR: 37dB.
Product conforms to **EN352-2: 2002**.
Nominal size: smallest: 6, largest: 12.







SNR = 37dB

Description	Order Code TFF-958
Dispenser + 1000 Plugs	-9010K
Refill (1000 Plugs)	-9020K

Corded Ear Plugs

Shaped foam corded ear plugs with red cord for maximum visibility, comfort and protection, the smooth tapered finish makes fitting easier and helps form a comfortable fit. These ear plugs give evenly distributed pressure, flexibility and a good seal with optimum comfort. Conform to **CE 0194 EN352-2: 2002**.



SNR = 37dB

Type	Order Code TFF-958
Corded Ear Plugs	-0300K

Ear Defenders

Helmet Mounted
Manufactured from high quality materials and designed to be comfortable during prolonged periods of wear.
Conform to: **EN 352-3: 2002.** (**CE, ANSI, AUS/NZ**).

For use with Tuffsafe vented safety helmets only.



SNR = 27dB

Type	Order Code TFF-958
Ear Defenders	-1250K

SITESAFE Hearing Defenders

With flexible reinforced plastic headbands ABS cups and PVC cushions. Conform with **EN352-1: 2002**.



H = 33dB
M = 24dB
L = 15dB

SNR = 27dB

Duty Type	Order Code SSF-958
General	-4040K

Folding Hearing Defenders

Hazardous Duty Type
Foldaway design with telescopic arms.
Conform with **EN352-1: 2002**.



SNR = 30dB

H = 36dB
M = 28dB
L = 18dB

NEW



Duty Type	Order Code SSF-958
Hazardous	-4080K

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Selection of Respiratory Disposable Products

There are three types of protection standards -

P1: Lower or basic level - choice with/without valve.

P2: Intermediate - choice with/without valve.

P3: Highest level of protection - available only with valve. The valve reduces heat and moisture build-up which improves comfort for the wearer.

Common Respiratory Hazards

Dusts: Created when solid materials are totally or partially reduced to smaller particles, they are more easily inhaled the longer they stay in the atmosphere.

Fumes: These will generally be created when materials/metals vapourise in high temperature conditions which then cool rapidly thus condensing into very fine particles

Gases: Which are airborne at room temperature and are able to move about rapidly into any space within a short period of time.

Vapour: Are given off by materials that are generally liquids or solids at normal room temperature.

Terminology used in Respiratory Protection

W.E.L.: Workplace Exposure Limits
These are two types - occupational exposure standards or maximum exposure limits.

O.E.S.: Occupational Exposure Standards
These are levels for a substance for which the majority of employees may be exposed to for an eight hour day, five days a week. Exposure to a substance assigned as O.E.S. can be exceeded, however steps need to have been identified to show exposure will be reduced.

M.E.L.: Maximum Exposure Limits
These limits are generally accepted as the maximum exposure periods that people should be exposed to substances which can result in very serious types of cancer, occupational asthma etc. Exact safe levels of exposure cannot be identified, and caution should be used when exposed to these substances.

The M.E.L. should never be exceeded and exposure reduced to as low as is reasonably practicable whenever possible

Protection Factors for Respiratory Protection

N.P.F.: Nominal Protection Factor
These protection factors are extracted from the performance data categories of the European Standards to which all respirators are tested.
These should not be used to select R.P.E.

A.P.F.: Assigned Protection Factor
These are deduced from many workplace protection factor studies as laid out in the **British Standard BS 4275**. These should be used in product selection decisions.

R.P.E.: Respiratory Protective Equipment
Each type of respiratory protective equipment has specific limitations relevant to its use and these dictate, along with the design, what type of application and conditions are best suited to each specific product.

TUFFSAFE Particulate Respirator Mask - Valved

DRV 350

For protection from high toxicity solid aerosols in concentrations up to 50 x NPF or 20 x APF, the Tuffsafe FFP3 mask is designed to provide a custom fit which is comfortable for the wearer. Polypropylene outer layer provides a smooth lining and avoids loose fibres, whilst fringe seal avoids an open layer around edges. Adjustable headstrap ensures best seal with minimum leakage. Soft nose foam and adjustable nosepiece increase wearer comfort and acceptance over extended periods of use and the mask has an exhalation valve for reducing hot air build-up. Its contour design also enables compatibility with eyewear and reduces fogging.
Conforms to **EN149:2001 + A1:2009 FFP3 NR D.**

PACK OF 5



FFP3 NR D | 20 x APF | 50 x NPF | VALVED

NEW

Product Number	Pack Quantity	Weight each	Order Code TFF-959
DRV350	5		-2140K

SITESAFE Valved Particulate Respirator Mask

SSDRV350

Unique design to provide very low breathing resistance. Polypropylene (PP) outer layers provide smooth lining and avoid loose fibres, fringe seal avoids open layer around the edges, adjustable headstrap ensuring the best seal with minimum leakage, contour design ensures the compatibility of glasses/goggles and reduces fogging, full facial close-cell nose foam and adjustable nosepiece ensure custom shape and increase the worker comfort and acceptance. With exhalation valve for breathing easier and reduces hot air build-up. For protection from high toxicity harmful solid and liquid aerosols. Conforms to **EN149 2001** and **AS/NZS 1716:2003** standards.

PACK OF 5



FFP3 | 50 x NPF | 20 x APF | VALVED

Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSDRV350	5	24g	-2790M

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RESPIRATORY PROTECTION - MASKS: FFP2

FFP2 NR D: The dolomite test is an optional test under norms **EN 149:2001 +A1:2009**. Those respirators which pass the dolomite clogging test are proved to provide a more comfortable fit and resist clogging for longer.

TUFFSAFE Particulate Respirator Mask

DRM212

Conforms to **EN149:2001 + A1:2009 FFP2 NR D.**
Combines protection against harmful workplace environmental conditions with enhanced wearer comfort. Polypropylene outer layer provides smooth lining and avoids loose fibres, whilst fringe seal avoids an open layer around edges. Adjustable headstrap ensures best seal with minimum leakage. Soft nose foam and adjustable nosepiece increase wearer comfort and acceptance over extended periods of use and contour design enables compatibility with eyewear and reduces fogging. The mask is also disposable and requires no maintenance.

Protection against concentrations up to 12 x NPF or 10 x APF in materials such as calcium carbonate, china clay, cement, cellulose, sulphur, cotton, flour, ferrous metals, vegetable oils, hardwood, glass fibres, plastic, carbon, mineral oils, quartz, aluminium, bacteria, fungi and mycobacterium tuberculosis (TB).

PACK OF 20



FFP2 NR D
12 x NPF
10 x APF

Product Number	Pack Quantity	Weight each	Order Code TFF-959
DRM212	20	10g	-2130K

Particle Respirator Mask - Valved

DRV212

Conforms to **EN149:2001 + A1:2009 FFP2 NR D.**
Combines protection against harmful workplace environmental conditions with enhanced wearer comfort. Polypropylene outer layer provides a smooth lining and avoids loose fibres, whilst fringe seal avoids open layer around edges. Adjustable headstrap ensures best seal with minimum leakage. Soft nose foam and adjustable nosepiece increase wearer comfort and acceptance over extended periods of use and the mask has an exhalation valve for reducing hot air build-up. Its contour design also enables compatibility with eyewear and reduces fogging.

Protection against concentrations up to 12 x NPF or 10 x APF in materials such as calcium carbonate, china clay, cement, cellulose, sulphur, cotton, flour, ferrous metals, vegetable oils, hardwood, glass fibres, plastic, carbon, mineral oils, quartz, aluminium, bacteria, fungi and mycobacterium tuberculosis (TB).

PACK OF 10



FFP2 NR D
12 x NPF
10 x APF
VALVED

Product Number	Pack Quantity	Weight each	Order Code TFF-959
DRV212	10	17g	-2135K

SITESAFE Particulate Respirator Mask

SSDRM212

Conforms to **EN149 2001 FFFP2 and AS/NZS 1716:2003.**
Features polypropylene (PP) outer layers providing smooth lining and avoiding loose fibres, whilst the fringe seal avoids open layer around the edges. Kept in position by a latex-free synthetic rubber head strap. The contour design enables the mask to be worn with glasses/goggles and the close fit helps to reduce fogging. Soft close-cell nose foam and adjustable nosepiece ensures custom shape and increases worker comfort and acceptance.

For protection against low-to-average toxicity, harmful solid, liquid and smoke in concentrations up to 12 x NPF or 10 x APF.

PACK OF 20



FFP2 NR
12 x NPF
10 x APF

Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSDRM212	20	10g	-2768D

Particulate Respirator Mask - Valved

SSDRV212

Conforms to **EN149 2001 FFP2 and AS/NZS 1716:2003** standards. Features polypropylene (PP) outer layers providing smooth lining and avoiding loose fibres, whilst fringe seal avoids open layer around edges. Kept in position by latex-free synthetic rubber head strap. Contour design enables mask to be worn with glasses/goggles and the close fit helps to reduce fogging. Soft close-cell nose foam and adjustable nosepiece ensure custom shape and increase worker comfort and acceptance. With exhalation valve for breathing easier and reduce hot air build-up.

For protection against low-to-average toxicity harmful solid, liquid and smoke in concentrations up to 12 x NPF or 10 x APF.

PACK OF 10



FFP2 NR
12 x NPF
10 x APF
VALVED

Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSDRV212	10	17g	-2788D

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FFP1 NR D: The dolomite test is an optional test under norms **EN 149:2001 +A1:2009**. Those respirators which pass the dolomite clogging test are proved to provide a more comfortable fit and resist clogging for longer.

TUFFSAFE Particulate Respirator Mask

DRM104

Conforms to **EN149:2001 + A1:2009 FFP1 NR D.** Combines protection against harmful workplace environmental conditions with enhanced wearer comfort. Polypropylene outer layer provides smooth lining and avoids loose fibres, whilst fringe seal avoids an open layer around edges. Adjustable headstrap ensures best seal with minimum leakage. Soft nose foam and adjustable nosepiece increase wearer comfort and acceptance over extended periods of use and contour design enables compatibility with eyewear and reduces fogging. The mask is also disposable and requires no maintenance.

PACK OF 20



FFP1 NR D | 4 x NPF | 4 x APF

Product Number	Pack Quantity	Weight each	Order Code TFF-959
DRM104	20	8g	-2120K

Particulate Respirator Mask

DRV104

Conforms to **EN149:2001 + A1:2009 FFP1 NR D** standards. Collapse-resistant double shell, made to withstand hot and humid conditions, a fringe seal avoids open layers around the edges, a latex-free synthetic rubber head strap and contour design ensures the mask can be worn with glasses/goggles the close fit helps to reduce fogging. Fitted with an exhalation valve for extra comfort in hot and demanding conditions allowing easy breathing and speaking. Soft close-cell nose foam and adjustable nosepiece for a custom shaped fit, increases the worker comfort and acceptance over extended periods of use.

PACK OF 10



FFP1 NR D | 4 x NPF | 4 x APF | VALVED

Product Number	Pack Quantity	Weight each	Order Code TFF-959
DRV104	10	14g	-2125K

SITESAFE Particulate Respirator Mask

SSDRM104

Conforms to **EN149 2001 FFP1** standards. **AS/NZS 1716:2003.** Features polypropylene (PP) outer layers providing smooth lining and avoiding loose fibres, whilst the fringe seal avoids open layer around the edges. Kept in position by a latex-free synthetic rubber head strap. The contour design enables the mask to be worn with glasses/goggles and the close fit helps to reduce fogging. Soft close-cell nose foam and adjustable nosepiece ensures custom shape and increases worker comfort and acceptance. For protection against low to average toxicity harmful solid and liquid in concentrations up to 12 x NPF (Nominal Protection Factor) or 10 x APF (Assigned Protection Factor).

PACK OF 20



FFP1 | 4 x NPF | 4 x APF

Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSDRM104	20	8g	-2765K

Particulate Respirator Mask

SSDRV104

Conforms to **EN149 2001 FFP1** and **AS/NZS 1716:2003** standards. Provides protection against non-toxic harmful solid and liquid in concentrations up to 4 x NPF or 4 x APF, such as calcium carbonate, china clay, cement, cellulose, sulphur, cotton, flour, carbon, ferrous metals, vegetable oils and soft wood. Recommended applications for textile industry, craftwork, iron and steel industry, mining, woodworking etc. Exhalation valve to reduce hot air build-up. Maintenance-free (disposable).

PACK OF 10



FFP1 | 4 x NPF | 4 x APF

Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSDRV104	10	14g	-2785K

'Nuisance' Dust Mask Application Information

Nuisance dust masks should not be used to protect your lungs, or used where a device complying with the European Directive 89/686 or 89/656 is required. It is not classified as a respiratory protective device and falls outside the PPE (EC Directive) Regulations. These products should not be used to protect against fine dust particles, toxic gases and vapours.

SITESAFE Nuisance Dust Mask

SSTCM50

Reduces discomfort caused by non-toxic nuisance dusts. It is lightweight and comfortable to wear and completely maintenance-free (disposable).

PACK OF 50



Product Number	Pack Quantity	Weight each	Order Code SSF-959
SSTCM50	50	8g	-7250K



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Quick Reference

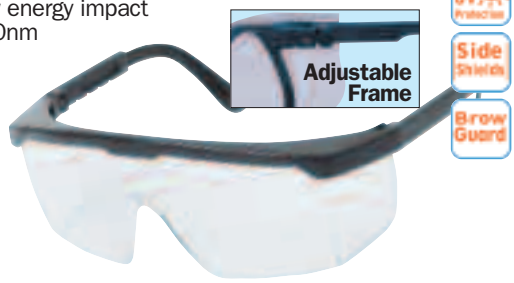
Through the eye and face protection range, there are a number of quick reference logos to help you choose which level of safety is right for you. Below are the logos and their meanings.

- Adjustable frames for a superior fit.
- Polycarbonate lenses are more impact-resistant and lighter than most types of lens.
- Extended brow guard moulded into the top of the lens gives a near perfect orbital seal against debris.
- Wrap around single lens provides unobstructed field of vision.
- Has a lower impact energy rating and is more flexible compared to polycarbonate.
- For greater protection from debris towards the side of the eyes.
- Glasses which have a larger lens to cover the cheek bone.
- Resistant to flames and heat - not flame-proof.
- This provides increased safety, while retaining excellent visibility.
- Resistant to chemical splashes - not chemical proof.
- Designed to minimise dust contamination.
- Gives a level of protection against harmful UV rays.
- Hard coated for excellent durability and scratch resistance resulting in unobstructed viewing.

SITESAFE Anti-Fog Safety Spectacles

Saturn

One-piece clear polycarbonate lens with anti-mist treatment. Lightweight black nylon frame with built-in brow guard. Built-in side protection with integral nose bridge and adjustable temple length. Low energy impact protection with 400nm UV protection. Hang cord attachment points. Class 1.



CE EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-7610K

Anti-Fog Safety Spectacles

Voyager

Two piece clear polycarbonate lenses with anti-mist treatment. Built-in brow guard and side shields with integral nose bridge. Low energy impact protection with total UV protection. Class 1.



CE EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-8200K

Anti-Fog Safety Spectacles

Apollo

One piece amber tinted polycarbonate lens with anti-mist treatment and ultra lightweight design (26g). Built-in side protection with soft silicone nose bridge and adjustable temple length. Low energy impact protection with total UV protection. Hang cord attachment points. Class 1.



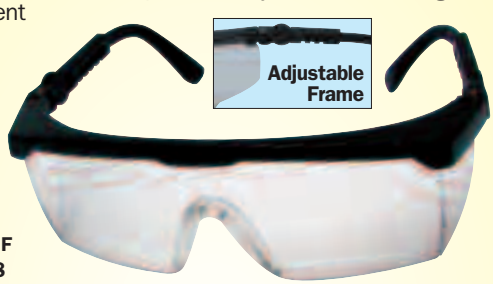
CE

Lens Type	Frame Colour	Order Code SSF-960
Amber tinted	Black	-5200K

KENNEDY Anti-Scratch/Anti-Fog Safety Spectacles

Panther

Low energy impact protection. Ultra light anallergenic frame with low friction length adjustment at the temples and front angle adjustment. Class 1 optical quality. Arms have hang cord attachment points.



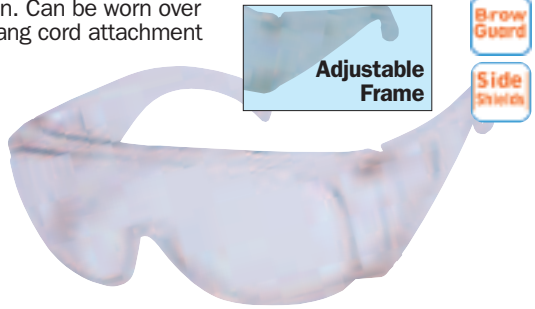
CE EN166 F IS1708

Lens Type	Frame Colour	Order Code KEN-960
Anti-Scratch/Fog	Black	-8010K

Over Spectacles

Aurora

Totally polycarbonate over spectacles with built-in side shields and brow guard and no metallic parts. Low energy impact protection at extreme environmental temperatures with UV protection. Can be worn over most glasses. Hang cord attachment points. Class 1.



CE EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Clear	-0800K

Scratch Resistant Safety Spectacles

Viper

UV protection against electrical arc discharges caused by a short circuit.



CE EN166 F

Lens Type	Frame Colour	Order Code KEN-960
Clear	Blue	-8050K

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TUFFSAFE Pacific Blue Spectacles

9212 CLEAR

The spectacles provide low energy impact protection (medium in AUS/NZ) whilst the ultra lightweight design and rubber end tips and nose bridge offer enhanced user comfort. Class 1 optical quality for distortion-free continuous use, the wide angle lens is scratch resistant and anti-mist treated.



Lens Type	Frame Colour	Order Code TFF-960
Clear	Blue	-1140K

SITESAFE Anti-Fog Safety Spectacles

Luna

One piece clear polycarbonate lens with anti-mist treatment and ultra lightweight design (26g). Built-in side protection with integral nose bridge adjustable temple length and lens inclination. Low energy impact protection with total UV protection. Hang cord attachment points. Class 1.



CE EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-6610K

Pacific Black Spectacles

9212 SMOKE

Providing low energy impact protection (medium in AUS/NZ), the spectacles feature a wide angle lens which is tinted for reduced glare, as well as scratch resistant and anti-mist treated. The ultra lightweight design, combined with rubber end tips and nose bridge, enhances user comfort and the lens delivers Class 1 optical quality for distortion-free continuous use.



Lens Type	Frame Colour	Order Code TFF-960
Smoke	Black	-1150K

Anti-Fog Safety Spectacles

Mercury

One-piece clear polycarbonate lens. Lightweight black nylon frame with built-in brow guard. Integral nose bridge and adjustable temple length. Low energy impact protection. Class 1.



CE EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-7000K

SITESAFE Oberon Blue Spectacles

Featuring a one-piece clear polycarbonate lens with built-in side protection for added safety, these spectacles provide protection from low energy impact (medium in AUS/NZ) and UV radiation below 380nm. The incorporation of rubber end tips and nose bridge into the ultra lightweight design improves user comfort and the lens is scratch resistant and anti-mist treated with Class 1 optical quality for distortion-free continuous use.



Frame Colour	Order Code SSF-960
Blue/Black	-7200K

Clear Anti Fog Scratch Resist Safety Glasses

Sirius

Eye and Face Protection products are designed to offer users a winning mix of safety and comfort across a range of working environments and situations.



Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-7710K

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TUFFSAFE Over Spectacles with Adjustable Frame

One piece clear polycarbonate lens with built in side protection for added safety. Anti-fog treatment on both sides of the lens. Integral nose bridge for user comfort. Lightweight for comfort.



Lens Type	Frame Colour	Order Code TFF-960
Clear	Black	-1200K

SITESAFE Anti-Fog Safety Spectacles

Europa

Two-piece black polycarbonate wrap around lenses providing low energy impact protection, total UV protection, an anti-fog coating. The ultra lightweight high strength frame has a soft silicone nose bridge and adjustable temple length to ensure user comfort. Hang cord attachment points.
Class 1.



Frame/Lens Colour	Model	Order Code SSF-960
Black	Europa	-5420K

Safety Spectacles

Star

Wide angle lens and impact protection at extreme temperatures. Scratch resistant. Ultra lightweight design.
Anti-mist treatment. Class 1 optical quality for distortion-free continuous use. Rubber end tips and nose bridge for user comfort. Neck lanyard included.



Lens Colour	Model	Order Code TFF-960
Clear	Star	-3860K

Scratch Resistant Safety Spectacles

Black one-piece design with wrap around scratch resistant lenses giving low impact protection and UV protection for outdoor use.
Class 1.



Frame/Lens Colour	Model	Order Code SSF-960
Black	Astrid	-7800K
Yellow	Cassini	-7820K

SITESAFE Safety Spectacles

Andromeda

Single clear wrap around polycarbonate lens, scratch resistant, low impact protection and UV protection.



Lens Colour	Model	Order Code SSF-960
Clear	Andromeda	-7830K

Scratch Resistant Safety Spectacles

One-piece wrap around polycarbonate spectacle which is light in weight and features hard coated anti-fog and scratch resistant lenses.



Frame/Lens Colour	Model	Order Code SSF-960
Clear	Zenith	-8400K
Yellow	Mir	-8420K

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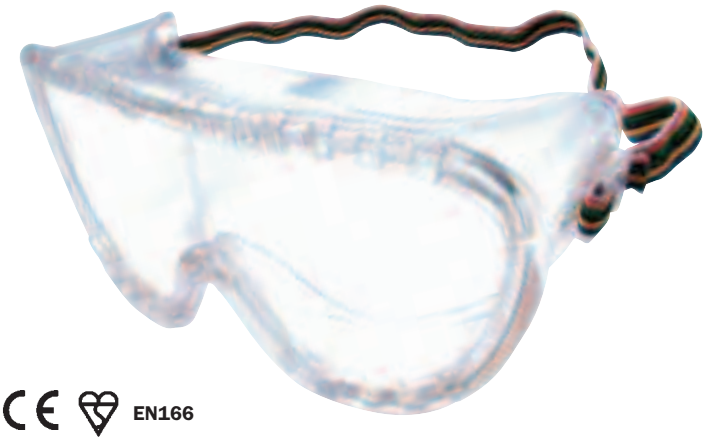
TUFFSAFE Anti-Fog Safety Goggles

XL21
Safety goggles with clear single-piece polycarbonate lens and anti-mist coating. Mounted in a PVC housing with easy flow indirect ventilation and adjustable elasticated strap.



CE EN166

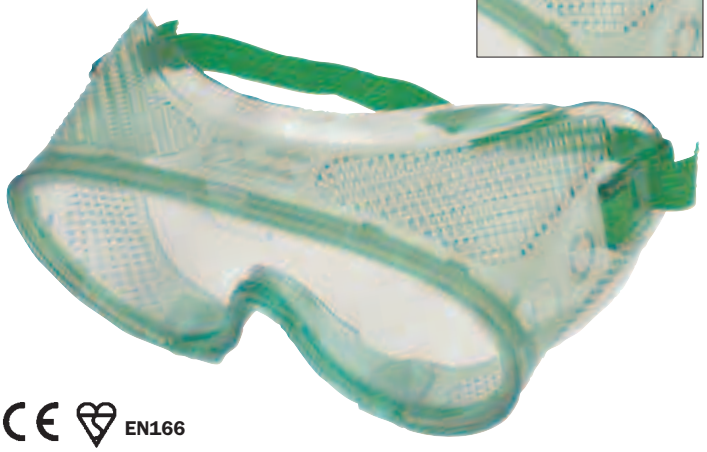
Mechanical Strength F

Description	Frame Colour	Order Code TFF-960
Goggles	Clear	-1250K

SITESAFE Safety Goggles

Designed to protect the wearer from eye injury against moderate unspecified mechanical impact hazards. Anti-dust and impact resistant. Direct ventilation.





CE EN166

Optical Class 1
Mechanical Strength B

Frame Colour	Weight each	Order Code SSF-960
Green	70g	-0500K

SITESAFE Anti-Fog Safety Spectacles

Challenger
Two-piece clear polycarbonate lens with anti-mist treatment and ultra lightweight design (26g). Built-in side protection with soft silicone nose bridge and adjustable temple length.
Low energy impact protection with total UV protection.
Hang cord attachment points.
Class 1.



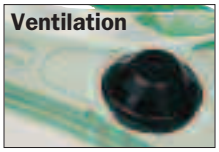


CE
EN166 F

Lens Type	Frame Colour	Order Code SSF-960
Clear	Black	-5400K

Chemical Splash Resistant, Anti-Dust Safety Goggles

Anti-'chemical-splash' and impact resistant. Designed to protect the wearer from eye injury against moderate unspecified mechanical impact hazards and liquid splash. Indirect ventilation.





CE EN166

Optical Class 1
Mechanical Strength B

Frame Colour	Weight each	Order Code SSF-960
Green	80g	-0520K

KENNEDY Soft Spectacle Case & Spectacle Neck Cord

Case: Soft spectacle case with spring opening.
Neck Cord: Spectacle neck cord with adjustable side buckle.

Type	Order Code KEN-960
Soft Spectacle Case	-9560K
Spectacle Neck Cord	-9620K



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KENNEDY Scratch Resistant/ Anti-Fog Safety Goggles

All goggles have a wide field of vision, built-in brow and cheek protection, soft PVC frame with an anatomically shaped bridge to adapt to all faces. All lenses provide UV protection. All frames will protect against liquid droplets and/or splashes. Fitted with wide anallergic elastic headbands and a one-piece replaceable scratch resistant, anti-mist clear lenses.

Tiger
Medium energy impact protection. Smoke coloured frame with a polycarbonate lens and are lined with soft foam for user comfort and increased adherence. The lens is resistant to molten metals and hot solids (splashes of molten metals and penetration of hot solid). The frame has an indirect ventilation system and is resistant to liquids (drops and splashes) and penetration of hot solids.



Lens Type (Scratch resistant)	Frame Colour	Order Code KEN-960
Polycarbonate	Smoke	-8140K

Clear framed goggles are resistant to gross particles (dust particles >5 microns) and gas and fine particles (gas vapours, splashes, smokes and dust particles <5 microns.

Scorpion
Medium energy impact protection. Clear frame with a 2mm thick polycarbonate lens. The lens and the frame is resistant to molten metals and hot solids (splashes of molten metals and penetration of hot solids).

Lion
Low energy impact protection at extreme temperatures. Clear frame with an extremely flexible acetate lens.



CE EN166 EN170

Type	Lens (Scratch resistant)	Frame Colour	Order Code KEN-960
Scorpion	Polycarbonate	Clear	-8070K
Lion	Acetate	Clear	-8080K

Anti-Gas/Flame Resistant Safety Goggles

Condor
Medium energy impact protection. Suitable for foundry work. The frame, lens and elastic strap are manufactured from flame resistant material. Fitted with a flexible nose bridge to adapt to all faces. Large peripheral viewing area. One piece 2mm anti-mist, scratch resistant, clear polycarbonate lens with an extra wide elastic headband. Can be fitted over most prescription glasses. The frame is resistant to liquids (drops and splashes), gross particles (dust particles >5 microns), gas and fine particles (gas vapours, splashes, smokes and dust particles <5 microns and molten metals and hot solids (splashes of molten metals and penetration of hot solids).

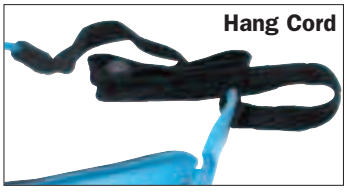


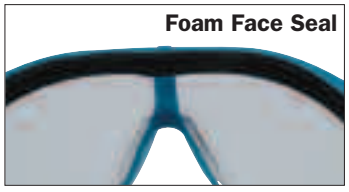
CE EN166 F

Lens Type	Frame Colour	Order Code KEN-960
Scratch Resistant	Red	-8130K
Spare Lens		-8120K

Scratch Resistant/Anti-Fog Safety Goggles

Cobra
Low energy impact protection at extreme temperatures. UV protection against electrical arc discharges caused by a short circuit. Ultra light nylon frame with length adjustment the temples and front angle adjustment for low friction, lined with soft foam for user comfort and increased adherence. One-piece, scratch resistant, anti-mist clear polycarbonate lens. As well as the arms having hang cord attachment points, a black universal hang cord is included with the goggles. Resistant to liquids (drops and splashes) and gross particles (dust particles >5 microns).







CE EN166 FT

Lens Type	Frame Colour	Order Code KEN-960
Scratch Resistant	Blue	-8060K

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TUFFSAFE Safety Screen - Complete

Clear full face screen with high impact polycarbonate browguard, adjustable harness and replaceable sweatband. Clear polycarbonate face screen.

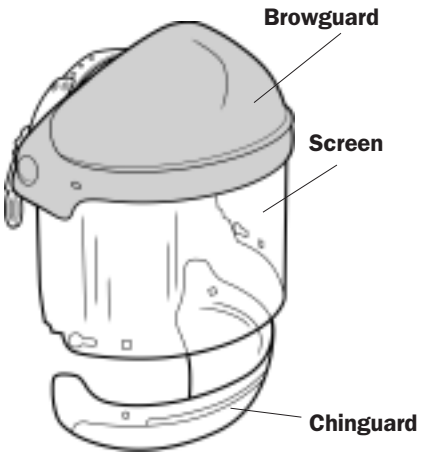


EN166

Optical Class	**1**
Mechanical Strength	**B**

Description	Order Code TFF-960
Safety Screen - Complete	**-1510K**

Accessories





Green/Clear Shade 3 Tritherm



Green Shade 3 Tritherm

EN166

Optical Class	**1**
Mechanical Strength	**B**

Description	Order Code TFF-960
Screens - 200mm	
Clear	**-2500K**
Green/Clear, Shade 3, Tritherm	**-3200K**
Chinguard	**-2518K**
Chinguard and Screen Complete	**-2512K**
Clear Screen for Chinguard 160mm	**-2514K**

SITESAFE Face Guard

Replaceable one-piece clear polycarbonate lens which protects against chemical splashes, lens also has an aluminium edge. Built-in foam sweatband with a variable setting on the crown support and a ratchet controlled headband adjuster with a pivoting full face and brow protection. Medium energy impact protection Class 1.



Lens Type	Order Code SSF-960
Clear	**-9200K**
Replacement Lens	**-9220K**

KENNEDY Large View Welding Helmets

Durable, lightweight material is corrosion resistant and flame retardant. External sensitivity control provides clear vision both prior and during welding. Ultra high performance filters protect against UV and IR. Auto darkening lens automatically changes from light to dark shade when arc is struck. Special turnover headband mechanism offers greater comfort and reduces fatigue. Suitable for all kinds of welding types, including Tig low amperage welding, and can be used for grinding. High impact glass for increased safety.
Dual powered: Solar and battery. Complies with **DIN, ISO, EN379** safety standards and **ANSI Z 87.12** standards

View Field: 98 x 55mm
UV/IR protection: DIN16
Light State: DIN4
Variable Shade: DIN9 - DIN13
Reaction Time: 0.00005 Sec
Delay Time: 0.3 Sec - 0.9 Sec
Sensors: Four infrared detectors
Power Supply: Solar cells + CR2450 lithium battery (supplied PAN-904-2550K)
Power: On/Off Fully Automatic
Operating temperature:
-5°C - 55°C (23°F - 131°F)
Storing temperature:
-20°C - 70°C (-4°F - 158°F)



More Welding Helmets and Shields on Page 712



Light to dark 0.5 milliseconds

Pattern	Order Code KEN-885
Plain Black	**-5100K**
Union Jack	**-5120K**

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Hand Protection

The wearing of hand protection in hazardous areas is a requirement under regulation 4 of the personal protective equipment at work regulations 1992. This regulation requires employers to provide suitable personal protective equipment to employees exposed to health and safety risks. Gloves protect your hands from hazards such as burns, freezing, electrocution, abrasions, contusions, lacerations and skin complaints such as dermatitis. Gloves should be checked regularly inside and out for any contamination and wear as this can reduce the protection rating of the glove below the standard given. We recommend regular replacement as the best form of protection.

Glove Standards & Types

Simple Design (Category 1)
Gloves with this designation offer protection against light cuts, contusions, abrasions and mild detergents. Suitable for areas of 'minimal risk' where the effects on hands without gloves would be easily reversible or superficial.
These products are unmarked and self-certified.

Intermediate Design (Category 2)
Gloves with this designation offer protection against heavier cuts, contusions, abrasions, tears and punctures. Suitable for areas of specific risk: abrasion, blade cuts, tear and puncture. The performance of the glove against these risks is listed below the symbol as shown below.

Complex Design (Category 3)
For areas/applications that can seriously or irreversibly harm the health. Such products, in addition to the CE type test, will also have to be either produced under an approved quality system OR be typed tested on an annual basis.

BS EN388 Mechanical Hazard Gloves

Mechanical hazards are associated with handling rough or sharp objects that could damage skin such as brick, concrete, glass, and sheet metal. Mechanical hazards are not associated with moving machinery. Gloves can be a hazard if there is a possibility they could snag in moving parts and put the user in danger.

Abrasion Resistant Gloves



a. b. c. d.

a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Abrasion Resistant** glove has a rating - the higher the number, the greater the protection.



Cut Resistant Gloves.



a. **b.** c. d.

a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Cut Resistant** glove has a rating - the higher the number, the greater the protection.



Tear Resistant Gloves



a. b. **c.** d.

a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Tear Resistant** glove has a rating - the higher the number, the greater the protection.



Puncture Resistant Gloves



a. b. c. **d.**

a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Puncture Resistant** glove has a rating - the higher the number, the greater the protection.



BS EN374 Chemical Hazard Gloves

Gloves with this designation offer protection against chemical splash, immersion and micro organism hazards. With the wide variety of chemicals used in today's industries any doubt with the suitability of gloves contact your local branch.



A 'Chemical Resistant' glove with a breakthrough time greater than 30 minutes. The identification letters of 3 chemicals against which the glove was tested will also appear next to the EN number.



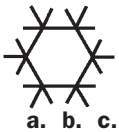
A 'Low Chemical Resistant' glove that has failed to achieve the 30 minute breakthrough time. No chemical identification letters are shown.



Micro Organism

BS EN511 Thermal Hazard (Cold) Gloves

Gloves with this designation offer protection against convective and contact cold hazards.



a. b. c.

a) Convective cold resistance. Scale 0 (low) to 4 (high).
b) Contact cold resistance. Scale 0 (low) to 4 (high).
c) Water permeability resistance. Scale 0 (low) to 4 (high).
0 = Fail. X = No test carried out.

BS EN407 Thermal Hazard (Heat) Gloves

Gloves with this designation offer protection against fire, contact heat, convective heat, radiant heat and molten metal.



a.b.c.d.e.f.

a) Burning behaviour resistance. Scale 0 (low) to 4 (high).
b) Contact heat resistance. Scale 0 (low) to 4 (high).
c) Convection heat resistance. Scale 0 (low) to 4 (high).
d) Radiation heat resistance. Scale 0 (low) to 4 (high).
e) Small splash molten resistance. Scale 0 (low) to 4 (high).
f) Large quantity molten resistance. Scale 0 (low) to 4 (high).
0 = Fail. X = No test carried out.

Contact Heat Test
A sample is taken from the palm of the glove. The outside of the glove is put on a hot surface and the temperature of the inside of the glove is monitored. The temperature on the inside of the palm sample must not rise by more than 10°C above room temperature for a minimum of 15 seconds.

Performance Scale	Contact temperature	Threshold time
1	100°C	>15 Seconds
2	250°C	>15 Seconds
3	350°C	>15 Seconds
4	500°C	>15 Seconds

Food Symbol



Products that carry the food contact symbol are suitable for use with all food categories (Dry foods, aqueous foods, acidic foods, alcoholic foods and fatty foods). This has been established through conducting tests according to the draft European Standards for food contact migration **DD ENV 1186** series.

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Quick Reference

Through the hand protection range, there are a number of quick reference logos to help you choose which level of safety is right for you. Below are the logos and their meanings.

- Material is resistant to abrasions for greater protection.
- Offers extra protection against low impact on the base of the wrist.
- Resists the build-up and conductance of static electricity. Of most benefit when walking on synthetic carpets or near electrical machinery.
- Designed to protect hands from refuse which may contain needles and glass.
- Chemical resistant gloves for reducing the exposure of our hands to hazardous materials.
- Offers extra insulation protection against cold objects.
- Designed to protect hands from direct contact with sharp edges such as glass, metal, ceramics and other materials.
- Offers protection against the level of voltage.
- Added surface to provide extra grip during application.
- Handling intermittently hot objects and materials in high-heat environments.
- Added surface to provide exeptional grip during application.
- Glove is made from heavier material for greater wear and tear.
- Protective impact resistant gloves protect effectively the palms and wrists against traumatic impacts.
- Used for inspection lines, can be made from lint-free material for less contamination.
- Deters oil and grease and resists oil soak up where oil saturated gloves are a problem in many fabrication plants.
- Open backed gloves provide extra ventilation to the hand keeping it cooler throughout long periods of use.
- Help prevent and relieve pain associated with RSI (repetitive strain injury).
- Offers extra protection against low impact on the wrist or forearm.
- Designed to protect hands from direct contact with sharp edges such as glass, metal, ceramics and other materials.
- Designed for use where vibration can cause extreme and permanent damage to the hands.
- Designed to protect the hand against sharp objects piercing the glove.

Glove Sizing

No two hands are alike. Finger length relative to palm size is not constant from person to person. Additionally what constitutes a comfortable fit can vary considerably between individuals. Using one of the methods below will help you to find an approximate glove size, but no method of measurement can substitute for actually trying them on.

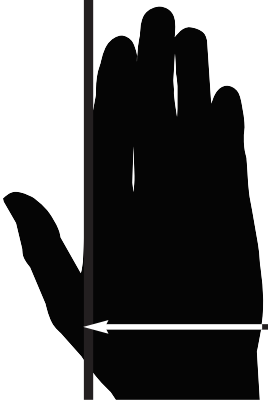
Glove Sizing

Place you right hand as shown, with your index finger against the black line. The measurement that follows the right side of your hand is your approximate glove size. **This is a general guide only.**

Using a Tape Measure and the Sizing Guide

Wrap a tape measure around your hand at the widest point (usually the knuckles) and make a loose fist. Note that measurement, round it to the nearest inch and refer to the chart below to find your approximate glove size.

Measurement	Glove Size
6	X-Small
7	Small
8	Medium
9	Large
10	X-Large
11	XX-Large
12	XXX-Large



Glove Size	XS	S	M	L	XL	XXL	XXXL
Sizing Gauge	6	7	8	9	10	11	12

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Category 1 - General Handling Gloves

The gloves in this section are ONLY for use when there is no risk to the user. Suitable for use only when the effects on the hands without gloves would be easily reversible or superficial. These products are unmarked and self-certified.

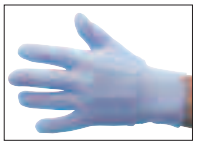
CAT I

TUFFSAFE Mixed Fibre Gloves

Knitted wrists with a fleece lining. Multi-purpose gloves for lightweight handling.



CAT I CE



Size	Weight per 12	Order Code TFF-961
8	700g	-1043K

Mixed Fibre Gloves

Poly/cotton mix.
Knitted wrist.
Multi-purpose handling gloves.



CAT I CE



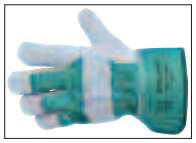
Size	Weight per 12	Order Code TFF-961
9	1.10kg	-1050K
8	1.10kg	-1055K

RUTLAND Personal Protection Equipment Rigger Gloves

Rutland Personal Protection Equipment is a comprehensive range of hand, head and eye protection. Manufactured to the highest standards of quality, fully compliant with all current safety standards and packed with inventive features, Rutland branded products are the ones to trust.



CAT I CE



Size	Weight per 12	Order Code RTL-961
10		-4080K

Stockinette Gloves

Natural Colour

100% cotton. Knitted wrists. Multi-purpose gloves for lightweight handling.



CAT I CE



Size	Weight per 12	Order Code TFF-961
9	3.0kg	-1020K

Stockinette Gloves

Bleached White

100% cotton. Knitted wrists. Multi-purpose gloves for lightweight handling.



CAT I CE



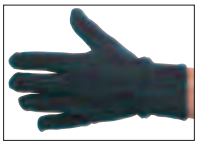
Size	Weight per 12	Order Code TFF-961
7		-1010K
9	2.60kg	-1000K

Cotton Gloves

100% jersey cotton. Knitted wrists and fleece-lined. Multi-purpose gloves for lightweight handling.



CAT I CE



Size	Weight per 12	Order Code TFF-961
9	740g	-1045K

PERSONAL PROTECTION

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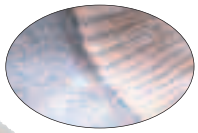
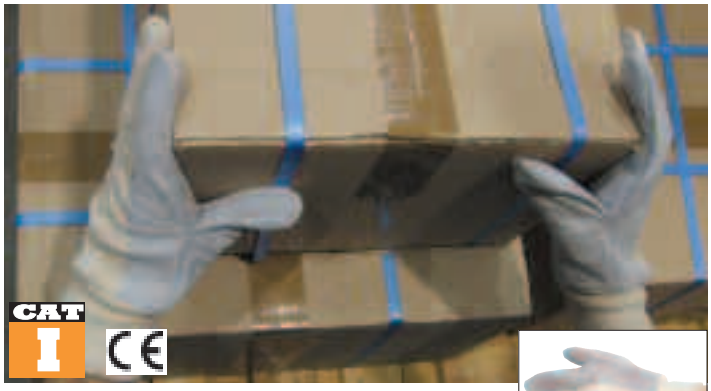
TUFFSAFE Cotton-Backed Leather Gloves

Index Finger Protection
Leather palms, heavy gauge cotton drill backs and knitted wrists.
For general and heavy handling.





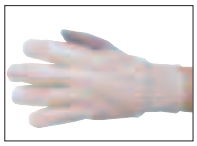


Size	Weight per 12	Order Code TFF-961
9	1.35kg	-1140K

Cotton-Backed Leather Gloves

Leather palms, cotton backs and knitted wrists.
For general handling.





Size	Weight per 12	Order Code TFF-961
10	740g	-1160K

Terry Towelling Gloves

Thick close loop pile gloves which cushion and protect, also giving good insulation against heat or cold.





Size	Weight per 10	Order Code TFF-961
10	32oz	-1080K

Terry Towelling Gauntlets

Thick close terry-towelling loop pile gloves which cushion and protect, also giving good insulation against heat or cold.

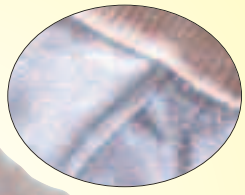




Size	Weight per 10	Order Code TFF-961
10	32oz	-1095K

SITESAFE Cotton-Backed Leather Gloves

Leather palms, cotton backs and knitted wrists.
For general handling.



For Minimal Risk Only

CONTRACTOR

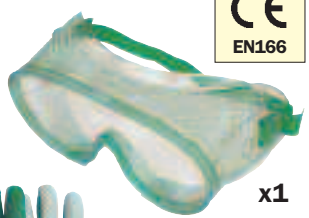


Size	Order Code SSF-961
9	-1170K

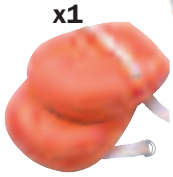
Garden & Household Set

Contents:
1x pair general-purpose goggles,
3x pairs of extra grip cotton drill gloves,
5x pairs of disposable latex gloves,
1x pair of rubber knee pads.

EN166









Model Number	Order Code TFF-961
PPP-2G	-9002B

PERSONAL PROTECTION

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TUFFSAFE Seamless Cotton Gloves

Tuffgrip
General-purpose seamless cotton glove, with a natural latex palm coating to give excellent grip in both wet and dry conditions.
For use in warehouses, construction and refuse collection etc. Medium-duty giving good puncture and abrasion resistance.



CAT I CE

Size	Order Code TFF-961
8	-6011B
9	-6012C
10	-6013D



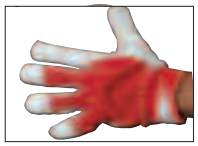
Goat Skin Nappa Gloves

Full grain goat skin gloves provide the highest degree of comfort, flexibility, as well as abrasion resistance. With a cotton stockinette back and velcro fastening to help ensure a good fit the gloves conform to your hands for optimum comfort and dexterity.



CAT I CE

Size	Order Code TFF-961
7	-4800A
8	-4801B
9	-4802C
10	-4803D



Polka-Dot Gloves

Cotton drill backed with polka-dot coated cotton palm, thumb and forefinger. Knitted wrist.



CAT I CE

Size	Weight per 12	Order Code TFF-961
9	0.95kg	-1122K

Cotton Drill Gloves

Standard
100% cotton drill. Knitted wrists. For lightweight and medium handling.
Size: 9.



CAT I CE

Colour	Material Weight	Weight per 12	Order Code TFF-961
Navy Blue	6oz	740g	-1121K
Natural	6oz	740g	-1100K
	7oz	800g	-1110K
	8oz	850g	-1120K



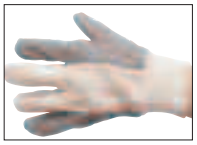
Polka-Dot Gloves

Cotton backed gloves,with palms and fingers covered with vinyl dots to give high grip.
Knitted wrists.
Size: 9.



CAT I CE

Material Weight	Weight per 12	Order Code TFF-961
6oz	0.80kg	-1250K
8oz	0.95kg	-1260K
10oz	1.00kg	-1280K



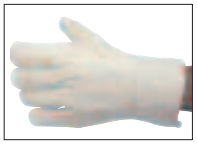
Hot Mill Gloves

Canvas fleece double palms, forefinger and thumb, with cotton drill back, knuckles and cuff.
Good protection against heat.



CAT I CE

Size	Order Code TFF-961
9	-1130K



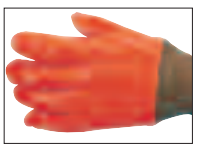
Foam Insulated Gloves

Fluorescent PVC coated foam insulated gloves with jersey lining and knitted wrists.



CAT I CE

Size	Weight per 10	Order Code TFF-961
10	910g	-1540K



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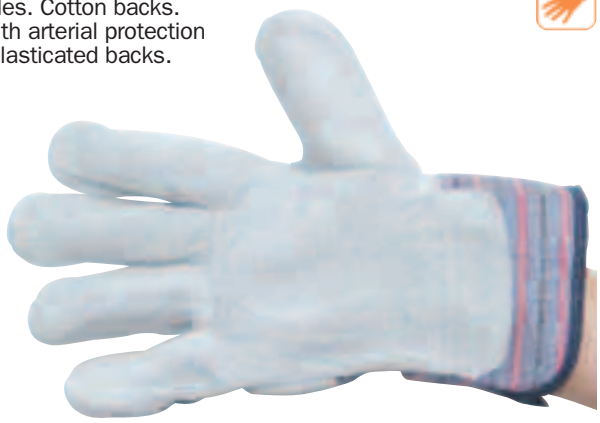
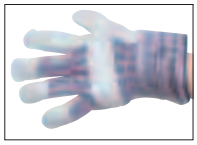
TUFFSAFE Chrome Leather Riggers

One-piece chrome leather palms with protection on finger tips and knuckles. Cotton backs.
2" cuffs with arterial protection patches. Elasticated backs.



CAT I CE

NYLON LINED PALMS



Size	Weight per 12	Order Code TFF-961
10	1.60kg	-1300K

Heavy Duty Riggers

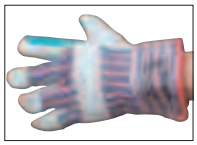
Reinforced with extra palm, index finger and thumb protection. Selected split leather palms, knuckles and finger tips. 2" cuff with arterial protection patches.
Elasticated backs.



Split leather

CAT I CE

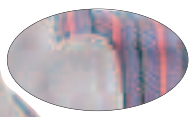
FLEECE LINED PALMS



Size	Weight per 12	Order Code TFF-961
10	2.00kg	-1320K

SITESAFE Standard Chrome Riggers

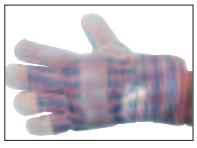
Chrome leather palms with protection on finger tips and knuckles. Cotton backs.
2" cuffs with arterial protection patches. Elasticated backs.
Size: 10.



Contractor

CAT I CE

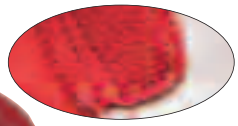
NYLON LINED PALM



Size	Weight per 12	Order Code SSF-961
10	1.60kg	-1270K

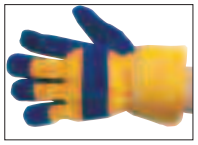
Superior Riggers

S5.
Selected split leather palms, knuckles and finger tips. Fleece-lined palm, cotton drill back. 2" reinforced safety cuffs with arterial protection.
Size: 10.



CAT I CE

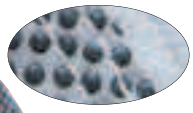
HARD WEARING - FLEECE LINED



Colour	Weight per 12	Order Code TFF-961
Red/White	2.70kg	-1360K
Blue/Gold	3.00kg	-1380K

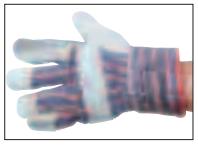
Extra Grip Riggers

Maxidot® Standard
Two-piece chrome leather palms with protection on finger tips and knuckles. Cotton backs. 2" safety cuffs with arterial protection patches. Stitched and gathered elasticated backs.
Reinforced and dot impregnated thumb and index 'grip zone'. Ideal for handling board and sheet materials.
Size: 9.



CE For Minimal Risk Only

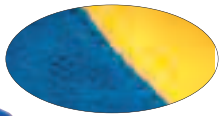
EXTRA STRONG
FLEECE LINED PALMS



Grade	Weight per 12	Order Code TFF-961
Standard	2.60kg	-1800K

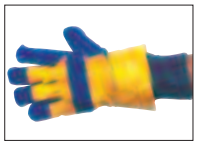
Cold Resistant Riggers

Arctic
Selected split leather palms, knuckles and finger tips. Cotton drill backs, 2" reinforced safety cuffs with arterial protection. Thinsulate® lined with a knitted wrist for extra protection against cold.



CAT I CE

THINSULATE® LINED



Size	Weight per 10	Order Code TFF-961
9	4.20kg	-1900K

PERSONAL PROTECTION

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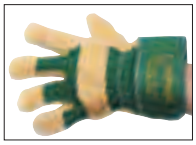
TUFFSAFE Pigsplit Leather Riggers

High quality pig grain leather. Heavyweight elasticated cotton drill backing. Palm, thumb, forefinger, fingertip and knuckle leather protection. 2" cuff with arterial leather protection. Double-stitched with fleece lining.



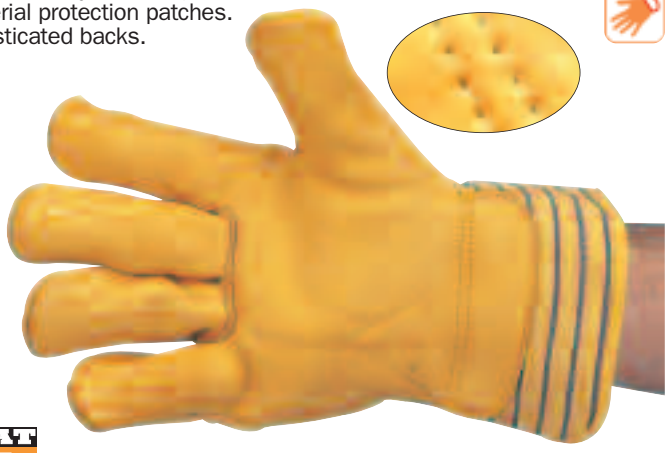
FLEECE LINED PALM



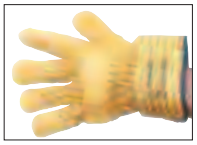
Size	Weight per 12	Order Code TFF-961
10	1.90kg	-1315K

Cowhide Riggers

Cowhide leather palms with protection on finger tips and knuckles. Nylon lined palms, cotton backs. 2" cuffs with arterial protection patches. Elasticated backs.



HARD WEARING - FLEECE LINED



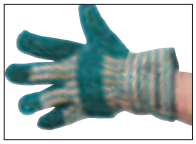
Size	Weight per 12	Order Code TFF-961
10	3.00kg	-1290K

Split Leather Riggers

Leather palms, fleece lined with protection on finger tips and knuckles. 2" cuffs with arterial protection patches.



FLEECE LINED PALM

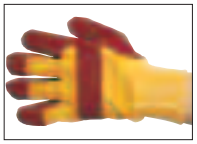


Size	Weight per 12	Order Code TFF-961
10	1.90kg	-1310K

Knitted Wrist Riggers

Selected split leather palms with protection on finger tips, knuckles and index finger. Cotton backs and knitted wrists.





Size	Weight per 12	Order Code TFF-961
10		-1370K

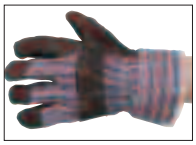
Nappa Palm Riggers

Nappa leather palm, knuckles and finger tips. 2" cuff with arterial protection patches.

Size: 10.



HARD WEARING - FLEECE LINED



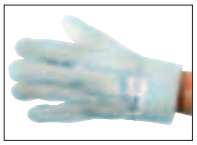
Colour	Weight per 12	Order Code TFF-961
Multi	1.70kg	-1330K
Single	1.60kg	-1340K

Open Cuff Chrome Leather Gloves

With 2" open cuffs, easily removed. For general handling. Double palms for heavier use.

Size: 10.





Type	Weight per 12	Order Code TFF-961
Double	2.10kg	-1200K

PERSONAL PROTECTION

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TUFFSAFE Cowhide Driver's Gloves

Elasticated back. Lined or unlined. Men's size.



CAT I CE

Size	Weight per 12	Order Code TFF-961
10 - Unlined	1.70kg	-1355K
10 - Lined	1.70kg	-1358K



Leather Driver's Gloves

Two-piece all-leather glove. Fleece lined. One-piece back. Elasticated cuff with velcro wrist adjustment.



CAT I CE

Size	Weight per 12	Order Code TFF-961
10	2.50kg	-1670K



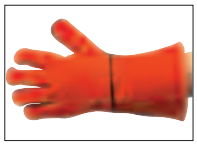
Lined Gauntlet with Reinforced Thumb

Selected split leather one-piece backs. Fully lined, two-piece - fleece hand and cotton cuff. Reinforced thumb and forefinger webbing.



CAT I CE

Size	Order Code TFF-961
10	-1960K



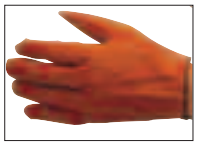
Vinyl Impregnated Gloves

Abrasion, oil, grease and water resistant. Economical alternative to light duty leather work gloves.
Typical use: metalworking.



CAT I CE

Size	Weight per 12	Order Code TFF-961
10	3kg	-1990K



Lined Gauntlets

Selected split leather one-piece backs. Fully lined, two-piece lining, fleece hand and cotton cuff.
Size: 11.



CAT I CE

Colour	Weight per 10	Order Code TFF-961
Green	3.10kg	-1600K
Red	3.10kg	-1620K



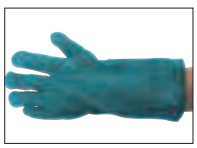
SITESAFE Fully Lined Gauntlets

Split leather one-piece backs. Fully lined, two-piece lining, fleece hand and cotton cuff.
Size: 11.



CAT I CE

Colour	Weight per Pair	Order Code SSF-961
Green	250g	-1610K
Red	250g	-1620K



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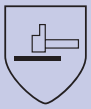
Abrasion Resistant Gloves

Mechanical hazards are associated with handling rough or sharp objects that could damage skin such as brick, concrete, glass, and sheet metal. Mechanical hazards are not associated with moving machinery. Gloves can be a hazard if there is a possibility they could snag in moving parts and put the user in danger.



a. b. c. d.

a)	**Abrasion resistance.**	**Scale 1 (low) to 4 (high).**
b)	Cut resistance.	Scale 1 (low) to 5 (high).
c)	Tear resistance.	Scale 1 (low) to 4 (high).
d)	Puncture resistance.	Scale 1 (low) to 4 (high).

0 = Fail. X = No test carried out.

Each **Abrasion Resistant** glove in this section has a rating - the higher the number, the greater the protection.



TUFFSAFE Black Nylon Lined PU Coated Gloves



These gloves are designated as intermediate design. The user must select the appropriate gloves for the task in hand and should consult their supplier for advice.
CE approved to **BS EN388 Cat II**.

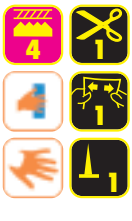


CAT II CE 4.1.3.2

Size	Order Code TFF-961
6	**-6330L**
7	**-6331M**
8	**-6332N**
9	**-6333P**
10	**-6334Q**



Nitrile-Coated Gloves



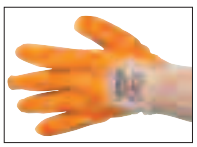
With cotton interlock liner. Combines the comfort of cotton with the protection of nitrile. Textured surface, durable and washable. Ideal for assembly, fabrication and handling.

Open Backed Knitted Wrist
Open backed to keep hands cooler in warm conditions.



CAT II CE 4.1.1.1 **LIGHTWEIGHT**

Size	Colour	Order Code TFF-961
8	Yellow	**-3540K**
9		**-3560K**
10		**-3580K**



Knitted Wrist
Fully coated for all-round protection.





CAT II CE 4.1.1.1 **LIGHTWEIGHT**

Size	Weight per 12	Order Code TFF-961
8	1.10kg	**-3740K**
9	1.20kg	**-3760K**
10	1.25kg	**-3780K**



Fully PVC-Coated Gloves

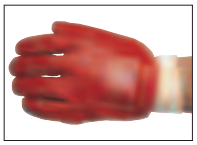


Tough flexible PVC-coated gloves with knitted wrists. Provide excellent dry grip for general applications.



CAT II CE 4.2.2.1

Size	Weight per 12	Order Code TFF-961
8	1.2kg	**-1390K**
9	1.2kg	**-1400K**
10	1.2kg	**-1460K**

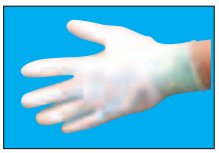


Seamless Gloves



White polyurethane coating on a 13 gauge seamless knitted white nylon liner with knitted elasticated cuffs. Polyurethane coating to palms and fingertips, provides dexterity and strong abrasion resistance for the handling of fine and dirty objects.
CE approved to **BS EN388 Cat II.**





CAT II CE 4.1.3.2

Size	Colour	Order Code TFF-961
6	White	**-6310A**
7		**-6311B**
8		**-6312C**
9	White	**-6313D**
10		**-6314E**

Size	Colour	Order Code TFF-961
6	Grey	**-6320A**
7		**-6321B**
8		**-6322C**
9	Grey	**-6323D**
10		**-6324E**
11		**-6325F**

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TUFFSAFE Nitrile-Coated Gloves

For excellent resistance to abrasion, cuts and snags, punctures, grease and oil. Tough general-purpose gloves. 'Nitron' general-purpose. **CE** Intermediate design.

Fully Coated Knitted Wrist
For all round protection.



CAT II CE 4.2.2.1

Size	Order Code TFF-961
9	-2760K
10	-2780K



Open Back Knitted Wrist
To keep hands cooler in warm conditions.



CAT II CE 4.2.2.1

Size	Order Code TFF-961
10	-2770K



Fully Coated Safety Cuff
With extra wrist protection.



CAT II CE 4.2.2.1

Size	Order Code TFF-961
10	-2800K



SITESAFE Nitrile Gloves

Nylon comfortable flexible liner with a Nitrile palm coating. Designed for handling oily components that do not offer a cut risk. Conforms to **EN388 4132.**



CAT II CE 4.1.3.2

Size	Order Code SSF-961
6	-6300A
7	-6301B
8	-6302C
9	-6303D
10	-6304E



PU Coated Gloves

PU Glove
Nylon seamless liner with a palm PU coating. Great for handling dry objects. Excellent dexterity.
Conforms to **EN388 4131.**



CAT II CE 4.1.3.1

Size	Order Code SSF-961
6	-6330L
7	-6331M
8	-6332N
9	-6333P
10	-6334Q



Latex Coated Gloves

Nylon liner with latex palm coating. Ideal for handlng rough items in dry or damp conditions.
Conforms to **EN388 2243.**



CAT II CE 2.2.4.3

Size	Order Code SSF-961
7	-5990A
8	-5991B
9	-5992C
10	-5993D



PERSONAL PROTECTION

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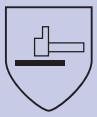
Tear Resistant Gloves & Sleeves

Mechanical hazards are associated with handling rough or sharp objects that could damage skin such as brick, concrete, glass, and sheet metal. Mechanical hazards are not associated with moving machinery. Gloves can be a hazard if there is a possibility they could snag in moving parts and put the user in danger.



a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Tear Resistant** glove in this section has a rating - the higher the number, the greater the protection.



TUFFSAFE Knitted Cotton Gloves

Super-Grip™ Criss-Cross
Heavyweight knitted cotton gloves with high grip PVC lattice and elasticated wrists.





CAT II CE 3.1.4.3

Size	Weight per 12	Order Code TFF-961
10	1.20kg	-1240K

Cut Level 3 Resistant Sleeve

Orange
Blended fibres produce a cut resistant comfortable good fitting sleeve. 18 inches long. Conforms to **EN 388 434X**.
EN 407 X.1.X.X.X.X.



CAT II CE 4.3.4.X X.1.X.X.X.X

NEW

Length	Order Code TFF-961
455mm (18")	-2550E

All Priced Per Sleeve

Cut Level 5 Resistant Sleeve

Polyamide blend of fibres producing protection with comfort. 460mm (18") long. Conforms to **EN388 454X**.
EN 407 X.1.X.X.X.X.



CAT II CE 4.5.4.X X.1.X.X.X.X

NEW

Length	Order Code TFF-961
460mm (18")	-2551F

All Priced Per Sleeve

Seamless Knitted Gloves

Tufflite™
Grey nitrile foam coating on a 13 gauge seamless knitted white nylon liner with knitted elasticated cuffs. Nitrile coating to palms and fingertips, provides excellent dexterity with precise grip.



CAT II CE 2.1.3.1

Size	Order Code TFF-961
6	-6300A
7	-6301B
8	-6302C
9	-6303D
10	-6304E



Latex-Coated Gloves

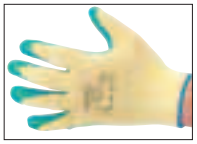
Tuffgrip II™
The Tuffsafe® coated latex gloves have a premium quality green natural rubber coating applied to a seamless polycotton liner to produce a glove with excellent wet and dry grip, whilst at the same time offering outstanding protection from mechanical hazards. Raised latex crinkle finish coating to palms and fingertips, breathable open back and continuous knitted wrist for improved comfort over extended periods of wear. Conforms to **EN388**.

LATEX



CAT II CE 2.2.4.3 SEAMLESS

Size	Order Code TFF-961
8	-5991B
9	-5992C
10	-5993D



PERSONAL PROTECTION

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Puncture Resistant Gloves

Many types of operator are exposed to sharp object injuries that can be caused by wooden or metal splinters and protruding nails and fixings in timbers, packing cases etc, that are often not clearly visible.

a. b. c. **d.**

a) Abrasion resistance. Scale 1 (low) to 4 (high).
b) Cut resistance. Scale 1 (low) to 5 (high).
c) Tear resistance. Scale 1 (low) to 4 (high).
d) Puncture resistance. Scale 1 (low) to 4 (high).
0 = Fail. X = No test carried out.

Each **Puncture Resistant** glove in this section has a rating - the higher the number, the greater the protection.

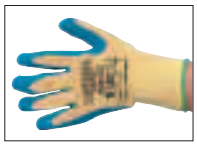
TUFFSAFE Natural Rubber Seamless Gloves - Kevlar Lined

Tuffgrip KL™
Premium blue natural rubber coating on a seamless **100% Kevlar® liner**, provides excellent wet/dry grip, cut resistance and protection from mechanical hazards. Raised latex crinkle finish to palms and fingertips, breathable open back and continuous knitted wrist.



CE CAT II 2.3.4.4

Size	Order Code TFF-961
8	-6111B
9	-6112C
10	-6113D



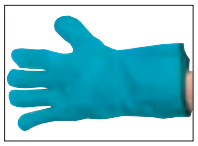
KENNEDY Reversible Welder's Gauntlet

Reversible (ambidextrous) lined, green gauntlet.
Type A. **CE** approved to **EN12477, EN388, EN407.**



CAT II CE 3.2.4.4 4.X.X.X.4.X

Size	Weight per pair	Order Code KEN-961
10.5	250g	-1940K



EN12477 - Welding Gloves

EN12477:2003 defines relevant requirements and test methods for protective gloves for use in manual metal welding and allied processes. Under this standard, all gloves to be used for welding must be independently tested and certified by an official notified body, and must meet certain performance levels.

Type B gloves are recommended where high dexterity is required, e.g. TIG welding. **Type A** gloves are recommended for all other welding processes. The type and all appropriate markings (Pictograms) will be marked on the product, its packaging and the user instructions.

EN12477:2003 Minimum Performance Levels for Welding Gloves

	TYPE A	TYPE B
MECHANICAL RISKS (as per EN388:2003)		
Abrasion Resistance	Level **2**	Level **1**
Blade Cut Resistance	Level **1**	Level **1**
Tear Resistance	Level **2**	Level **1**
Puncture Resistance	Level **2**	Level **1**
THERMAL HAZARDS (as per EN407:2004)		
Burning Behaviour Resistance	Level **3**	Level **2**
Contact Heat Resistance	Level **1**	Level **1**
Convective Heat Resistance	Level **2**	Level **X**
Radiant Heat Resistance	Level **X**	Level **X**
Small Molten Metal Splash Resistance	Level **3**	Level **2**
Large Molten Metal Splash Resistance	Level **X**	Level **X**
GENERAL REQUIREMENTS (as per EN420:2003)		
Glove Dexterity	Level **1**	Level **4**
ELECTROSTATIC PROPERTIES - ***Optional*** (as per EN1149-2:1997)		
Dry Conditions Test (for Arc Welding)	... **10^6** ohms	**10^5** ohms

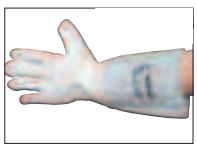
Grey Leather Tig Welder's Gloves

Constructed from soft high quality nappa leather for the palm, and stiff 150mm chrome leather cuff. The soft leather palm and fingers offer a superb feel and good durability for precision welding. Good comfort and flexible with a good level of dexterity.
360mm overall length.
EN420 (Dexterity)
Level 5



CE CAT II 4.1.4.3 EN12477

Size	Order Code TFF-961
10	-1650K



TUFFSAFE Heavy Duty Welder's Gauntlet

Full five finger welder's gauntlet manufactured from select split leather with a full cotton lining with a one piece back. Reinforced palm and thumb for increased wear with no exposed seams to burn. Kevlar® sewn throughout. Tested to **EN388: 2003 & EN407: 2004.**



CE CAT II 4.1.4.3 4.1.3.2.4.X

Size	Weight per Pair	Order Code TFF-961
10	341g	-1580K



PERSONAL PROTECTION

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TUFFSAFE Chemical Resistant PVC-Coated Gauntlets

Tough flexible PVC coated gloves with open cuffs and jersey lining.



CAT II CE 4.2.2.1 6662

Size	Weight per 12	Order Code TFF-961
280mm	2.20kg	-1480K
355mm	2.30kg	-1500K

Chemical Resistant PVC-Coated Gloves

Tough flexible PVC coated gloves with a textured finish for extra grip. Open cuffs with jersey lining.





CAT II CE 4.2.2.1 6662

Size	Weight per 12	Order Code TFF-961
9	2.20kg	-1550K

SITESAFE Nitrile Disposable Gloves

Seamless nitrile gloves for single use only. This latex-free, low protein product can help reduce the risk of cross contamination in the work environment. This product is for general use in minimal risk conditions. Non-sterile.

NEW





CAT III CE 3 2

PACK OF 100

Size	Type	Order Code SSF-961
S	Powdered	-4040A
M		-4041B
L		-4042C
XL		-4043D

Size	Type	Order Code SSF-961
S	Powder Free	-4030A
M		-4031B
L		-4032C
XL		-4033D

Vinyl Disposable Gloves

Sensitive, strong and comfortable. USDA accepted. For food, hospital, laboratory use and countless applications. Intermediate Design. For minimal risk only.

VINYL



PACK OF 100

NEW

CE CAT I

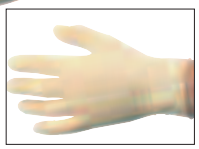
Size	Weight per box	Order Code Blue	TFF-961 Clear
6½	0.80kg	-7030A	-7040A
7½	0.89kg	-7031B	-7041B
8½	1.25kg	-7032C	-7042C
9½	1.35kg	-7033D	-7043D

Latex Disposable Gloves

Micro textured natural rubber latex disposable gloves. Finger hugging latex provides maximum dexterity, sensitivity and comfort. Made from 100% natural rubber latex textured for extra grip. Ambidextrous with rolled cuff for added strength when fitting or removing.

LATEX





CE 3

PACK OF 100

Size	Type	Order Code TFF-961
7	Powdered	-3120A
8		-3121B
9		-3122C
10		-3123D

Size	Type	Order Code TFF-961
7	Powder Free	-3110A
8		-3111B
9		-3112C
10		-3113D

Nitrile Disposable Gloves

High quality nitrile seamless gloves which are ambidextrous to fit either hand. Non-sterile.

Non powdered: For use in electronics, pharmaceutical, laboratory, medical, dental and food processing applications.

NITRILE



NEW

CAT I CE

PACK OF 100

Size	Type	Order Code TFF-961
6½	Powder Free	-4050A
8½		-4051B
8½		-4052C
9½		-4053D

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TUFFSAFE Back Support Belt

Provides comfortable support from lower back strain. Helps to reduce lower back discomfort. 8" wide elasticated double back support belt.

1¼" wide adjustable shoulder straps.



Front Back



Waist Size	Order Code TFF-962
Small 28-32"	-2010A
Medium 32-38"	-2011B
Large 38-47"	-2012C
X-Large 46-56"	-2013D

KENNEDY One Strap Knee Pads

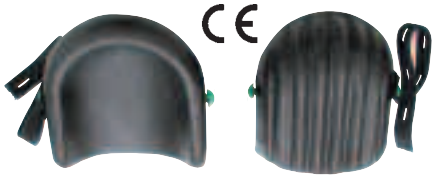
Chrome leather with one strap.



Size (mm)	Weight each	Order Code KEN-962
1200 Dia.	220g	-4960K

Moulded Rubber Knee Pads

Heavy duty. One piece construction. Manufactured from black polyurethane foam. Deep ribbed contact zone to reduce the risk of slipping. Five point adjustable elasticated strap. Conforms to, and is stamped **CE**. Suitable for regular use, industrial and professional applications.



Size (mm)	Order Code KEN-962
135 x 155	-4930K

Black Leather Knee Pads

Heavy duty. A robust construction with buckle straps and a felt padding lining for added comfort.



Size (mm)	Order Code KEN-962
160 x 130	-4940K

Heavy Duty Knee Pads

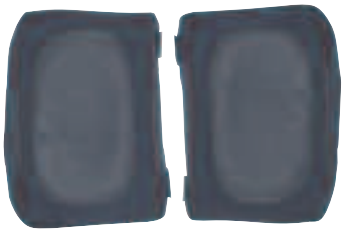
Heavy duty chrome leather with two straps.



Size (mm)	Weight each	Order Code KEN-962
195 x 215	430g	-4920K

Neoprene Gel Knee Pads

Quick release velcro fastening. One size fits all. Flexible straps prevent binding behind the knee.



Size (mm)	Order Code KEN-962
190 x 230	-5010K

Neoprene Gel Elbow Pads

Quick release velcro fastening. One size fits all. Flexible straps for added comfort. Gel filled pad absorbs impact.



Size (mm)	Order Code KEN-962
150 x 190	-5020K

KENNEDY High Density Foam Knee Pads

Quick release velcro fastening. One size fits all. Flexible straps prevent binding behind the knee. Non-marring face protects surfaces. Non-skid material helps avoid slipping. Lightweight design for comfort when standing.



Size (mm)	Weight each	Order Code KEN-962
145 x 250	250g	-4980K

Partial Hard Case Knee Pads

Quick release velcro fastening. One size fits all. Flexible straps prevent binding behind the knee. Non-marring face protects surfaces. Foam cushion beneath cap absorbs impact.



Size (mm)	Weight each	Order Code KEN-962
180 x 250	200g	-4990K

Full Hard Case Knee Pads

Quick release velcro fastening. One size fits all. Flexible straps prevent binding behind the knee. Non-skid material helps avoid slipping. Non marring face protects surfaces. Foam cushion beneath cap absorbs impact.



Size (mm)	Order Code KEN-962
185 x 235	-5000K

TUFFSAFE Knee Pad Inserts

Work trouser insert knee pads manufactured from 100% lightweight flexible moulded polythene. Does not hinder the wearer when walking. Supplied in pairs. Manufactured to: **EN14404:2004+A1:2010**.

NEW



Size (mm)	Order Code TFF-962
215 x 165	-8820A

PERSONAL PROTECTION

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Fall Arrest Equipment

Health and safety legislation states that fall protection measures must be put in place for any person working at a height of two metres or more where a fall hazard exists.

If it is not feasible to eliminate the hazard using a collective system, then a personal protective equipment system must be selected and used, be it a restraint, work positioning or fall arrest product.

This system consists of a full body harness, an intermediate attachment and an anchorage connector.

The systems can only be used if a suitable anchorage point is located close to the area.



Rope or Webbing Lanyards

The choice is primarily one of preference as they both offer the same high level of performance.

Rope Lanyards - Can become rigid and difficult to handle when dirty - but offer great durability and a longer working life than webbing.

Webbing Lanyards - Are more lightweight, visible and easier to handle than rope - but offer less durability.



Arrest Product Selection

Lanyards - Maximum length two metres. For work requiring limited movement.

Fall Arrest Blocks - 2.5 - 40m. Automatic retractable cable allows freedom of movement. For workers who need to move relatively quickly up and down on a worksite. The automatic braking system arrests a fall in seconds.

Rope Grabs - For freedom to move around an elevated worksite (this could be horizontal or vertical, fixed or flexible). In the event of a fall, the guided type fall arrester grabs onto the anchorage line and arrests the fall - resulting in limited travel.

Work at Height Regulations 2005

The **Work at Height Regulations 2005** came into force on 6 April 2005. The Regulations apply to all work at height where there is a risk of a fall liable to cause personal injury.

They place duties on employers, the self-employed, and any person that controls the work of others (for example facilities managers or building owners who may contract others to work at height.

The **Work at Height (Amendment) Regulations 2007** which came into force on 6 April 2007 apply to those who work at height providing instruction or leadership to one or more people engaged in caving or climbing by way of sport, recreation, team building or similar activities in Great Britain.

As part of the Regulations, duty holders must ensure:

- all work at height is properly planned and organised;
- those involved in work at height are competent;
- the risks from work at height are assessed and appropriate work equipment is selected and used;
- the risks from fragile surfaces are properly inspected and maintained.

There is a simple hierarchy for managing and selecting equipment for work at height. Duty holders must:

- avoid work at height where they can;
- use work equipment or other measures to prevent falls where they cannot avoid working at height; and
- where they cannot eliminate the risk of a fall, use work equipment or other measures to minimise the distance and consequences of a fall should one occur.

The Regulations include schedules giving requirements for existing places of work and means of access for work at height, collective fall prevention (eg guardrails and working platforms), collective fall arrest (eg nets, airbags, etc), personal fall protection (eg work restraints, fall arrest and rope access) and ladders.

TUFFSAFE *Lanyard Block*

Retractable Energy Absorbing Lanyard Block

Retractable mini web block ideal for personal issue to operatives working at height. The unit is designed to be connected and worn directly on a fall arrest harness. Locks on with decelerating brake action in the event of a fall and recoils the lanyard when slack is introduced to reduce trip hazards in tight work spaces. Compact design, built in shock pack. Has a working length of 2.5m. Certified to: **CE 0320, EN364, EN360**.

Max fall arrest force: 6KN.

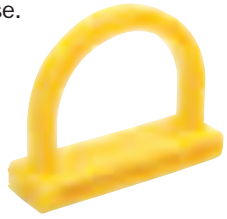
Size (L x W x D): 100 x 110 x 75mm.



Model Number	Weight each	Order Code TFF-962
TSEAL1	1.12kg	-3905E

Parking Loops

Parking loops are simple and easy to use. Prevents wear on harness straps. The clip is designed to fit onto the shoulder strap of the harness. Once fitted the karabiner is connected directly to the loop for safe stowage when not in use. This stops the lanyard from trailing on the floor and causing a trip hazard.



Model Number	Weight each	Order Code TFF-962
TSPL	10g	-3935E

Trauma Suspension Straps

Trauma suspension straps are simple and easy to use and can fit all Tuffsafe harnesses. They allow the worker to stand up in their harness to ease the discomfort whilst suspended from a lanyard after a fall. Helps release the tension within the harness straps to relieve pressure on the groin which helps prevent loss of circulation to the legs and feet. Prior to use attach one pack to the outer side of each leg strap. In the event of a fall unzip the pouches to release the straps and thread the plain end through both chrome rings and back through only one and pull tight to form a loop approx shin height. Stand up slowly on the straps and the discomfort will be relieved. Lightweight and unobstructive.



Model Number	Weight each	Order Code TFF-962
TSTSS	150g	-3977F

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SITESAFE Body Harness - 1 Point

One point full body harness made of strong 45mm wide polyester webbing. Lightweight and durable therefore ideal for all day comfort and dependability. Adjustable thigh and chest straps with metal buckles and back anchorage dorsal D-ring attachment. Capable of supporting up to 310lb (22st/140.6kg).



CE 0321 EN 361:2002

Model Number	Order Code SSF-962
BHP010	-8010K

Body Harness 2 Point

Two point full body harness made of strong 45mm wide polyester webbing. Lightweight and durable therefore ideal for all day comfort and dependability. Adjustable thigh and chest straps with metal buckles and back anchorage dorsal D-ring attachment. Two point anchor straps for extra harnessing support. Capable of supporting up to 310lb (22st/140.6kg).



CE 0321 EN 361:2002

Model Number	Order Code SSF-962
BHP020	-8020K

Body Harness 2 Point - With Belt

Two point full body harness made of strong 45mm wide polyester webbing. Adjustable thigh and chest straps with metal buckles and back anchorage dorsal D-ring attachment. Two point anchor straps for extra harnessing support. Detachable belt harness including adjustable strap with metal buckles and two D-rings. Two polyester/plastic 90mm D-rings and clip attachment at the rear. Capable of supporting up to 310lb (22st/140.6kg).



CE 0321 EN 361:2002 EN361:2002

Model Number	Order Code SSF-962
BHP025	-8025K

The TuffSafe range of fall arrest harnesses are lightweight, durable and manufactured from 45mm water repellent polyester webbing with rip stitch fall indicators. Ideal for all day comfort and dependability. Fully adjustable for easy fitting. All fittings are made from high tensile steel alloy.
All TuffSafe harnesses are certified to: **CE 0320, EN361, EN358, EN364**.

Rear 'D' Harness

TSH1
One point attachment:
One dorsal D-ring.
Weight: 0.95kg.

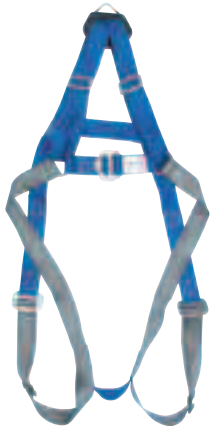
TUFFSAFE



Model Number	Harness Points	Order Code TFF-962
TSH1	1	-3911A

Front & Rear 'D' Harness

TSH2
Two point attachment:
One dorsal D-ring.
One chest mounted D-ring.
Weight: 1.15kg.



Model Number	Harness Points	Order Code TFF-962
TSH2	2	-3912B

Front & Rear 'D' Harness

TSH3
Three point attachment:
One Dorsal D-ring.
Two side D-rings.
Weight: 1.25kg.



Model Number	Harness Points	Order Code TFF-962
TSH3	3	-3913C

Front & Rear 'D' Harness

TSH4
Four point attachment:
One dorsal D-ring.
One chest mounted D-ring.
Two side D-rings.
Weight: 1.75kg.



Model Number	Harness Points	Order Code TFF-962
TSH4	4	-3914D

Shock Absorbers

Lightweight, durable and fitted with a shock absorber pack and a 70mm delta link.
Certified to: **CE 0320, EN 364, EN 355**.

Max fall arrest force: 6KN.

TSSA1 & TSSA11
'Soft Edge' 32mm wide, cut resistant polyester webbing provides greater strength and resistance along with its water repellent coating can help prolong its life.



Model Number	Weight each	Order Code TFF-962
TSSA1	0.60kg	-3951B
TSSA11	0.90kg	-3961L

TSSA9
Twin legs allow movement between anchorage points. The elasticated lanyard reduces the amount of hanging slack. Lightweight, durable and fitted with a shock absorber pack and a 70mm delta link. The 35mm tubular webbing and tear webbing provides greater strength and resistance.



Model Number	Weight each	Order Code TFF-962
TSSA9	1.50kg	-3959J

PERSONAL PROTECTION

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SITESAFE

Disposable Visitor Coat

This single use SiteSafe® visitors coat is manufactured from low density polyethylene (LDPE) material and has front press stud fastening.
One size only.



PACK OF 25

Colour	Pack Quantity	Order Code SSF-962
White	25	-9000K

Non-Woven Visitor Coats

This visitor's coat from Sitesafe® is manufactured from a 35gm² non-woven material, it has a collar and a stud fastening front.



PACK OF 25

Size	Pack Quantity	Order Code SSF-962
M	25	-9002C
L	25	-9002D
XL	25	-9002E

Polyethylene Oversleeves

Protective sleeve and arm covering, elasticated at both ends for a comfortable fit manufactured from polyethylene. Available in a range of colours.
One size: 40 x 20cm (16" x 8").

PACK OF 100



Colour	Pack Quantity	Order Code SSF-962
Blue	100	-5810B
Green	100	-5810G
Red	100	-5810R
White	100	-5810W
Yellow	100	-5810Y

Disposable Overshoes

SiteSafe® overshoes provide cost effective solution to many of the problems associated with cross contamination that can be caused by dirty footwear. In many areas where a clean environment is important or required by regulation, staff and visitors are able to enter and move freely using their own footwear covered by a SiteSafe® overshoe.
Manufactured from polyethylene with an elasticated closure.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962
Blue	100	-5800B
Green	100	-5800G
Red	100	-5800R
White	100	-5800W
Yellow	100	-5800Y

Disposable Polythene Aprons

SiteSafe® disposable single use aprons manufactured from low density polythene.
One size only
690 x 1070mm.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962
Blue	100	-1150B
Green	100	-1150G
Red	100	-1150R
White	100	-1150W
Yellow	100	-1150Y

Disposable Hair Nets

Disposable bonded polypropylene hair nets have a fine open weave with stitched elasticated opening.
One size fits all.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962	
Blue	100	-2900B	N/A
White	100	-2900W	N/A

Bouffant Caps

The Sitesafe® disposable bouffant will completely cover your hair. Made from soft and lightweight polypropylene with a stitched elasticised edge.
One size fits all.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962
Blue	100	-1260B
White	100	-1260W

Mob Caps

SiteSafe® Mob caps completely cover a person's hair. Manufactured from soft and comfortable, thermally bonded light polypropylene fibre with an encapsulated double stitched elasticated edge.
One size fits all.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962
Blue	100	-5500B
Green	100	-5500G
Red	100	-5500R
White	100	-5500W
Yellow	100	-5500Y

Beard Masks

SiteSafe® with single elasticated fastening, beard mask is manufactured from polypropylene.
One size only.



PACK OF 100

Colour	Pack Quantity	Order Code SSF-962
Blue	100	-1200B
White	100	-1200W

PERSONAL PROTECTION

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TUFFSAFE Cotton Drill Boiler Suits

Comfortable fit suitable for garage, workshop, service, maintenance, general DIY and many other applications. Hard wearing.
Concealed press studs. Chest pockets, side pockets, back pocket and lower leg pocket.
Elasticated waist. Machine washable.
Made from 100% cotton.

Colour: navy.



Colour	Size	Order Code TFF-962
Navy Blue	S 36/38"	**-2510A**
	M 40/41"	**-2511B**
	L 42/44"	**-2512C**
	XL 46/48"	**-2513D**
	2XL 50"	**-2514E**

Polycotton Boiler Suits

Comfortable fit suitable for garage, workshop, service, maintenance, general DIY and many other applications. Hard wearing.
Concealed press studs. Chest pockets, side pockets, back pocket and lower leg pocket.
Elasticated waist. Easy care and higher wash rate due to the shrink resistant and colour fade resistant polycotton fabric.
Machine washable. Made from 80% polyester, 20% cotton.

Colour: royal blue.



Colour	Size	Order Code TFF-962
Royal Blue	S 36/38"	**-5810A**
	M 40/41"	**-5811B**
	L 42/44"	**-5812C**
	XL 46/48"	**-5813D**
	2XL 50"	**-5814E**

Waterproof Suits

Waterproof hooded jacket with drawstring closure, storm front with plastic zipper, raglan sleeves with wind cut off, patch pockets with flap in the front and vented cape back and underarm vents for improved user comfort. The trousers have elasticated waist band, no fly front and press stud ankle adjustment.



Colour	Size	Weight each	Order Code TFF-962
Green	S	1.00kg	**-5010A**
	M	1.05kg	**-5011B**
	L	1.10kg	**-5012C**
	XL	1.20kg	**-5013D**
Orange	S	1.00kg	**-5020A**
	M	1.05kg	**-5021B**
	L	1.10kg	**-5022C**
	XL	1.20kg	**-5023D**
Yellow	S	1.00kg	**-5030A**
	M	1.05kg	**-5031B**
	L	1.10kg	**-5032C**
	XL	1.20kg	**-5033D**

KENNEDY PERSONAL PROTECTION Caps - Breathable

Six-panel caps with cloth headbands. One size fits all. Waterproof plastic peak insert. With four breathable mesh rear panels.

NEW



Colour	Order Code KEN-957
White	**-4480K**

Caps - Full Panel

Six-panel caps with cloth headbands. One size fits all. Waterproof plastic peak insert.

NEW



Colour	Order Code KEN-957
White	**-4380K**

Caps - Cotton Fleece

Six-panel caps with ventilation holes. One size fits all. Waterproof plastic peak insert.

NEW



Colour	Order Code KEN-957
Red	**-4540K**

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SITESAFE Polo Shirts

180gsm, 50% polyester, 50% cotton fabric, with three button placket.
Combining quality and durability.

Colours: black and navy.

NEW


Black


Navy

Size	Order Code SSF-962 Black	Navy
S	-6000C	-6004C
M	-6000D	-6004D
L	-6000E	-6004E
X	-6000F	-6004F
2XL	-6000G	-6004G

Sweat Shirts

280gsm, 50% polyester, 50% cotton fabric with drop shoulder design. Knitted collar, cuffs and waistband.
Combining quality and durability.

Colours: black and navy.

NEW


Black


Navy

Size	Order Code SSF-962 Black	Navy
S	-6160C	-6164C
M	-6160D	-6164D
L	-6160E	-6164E
X	-6160F	-6164F
2XL	-6160G	-6164G

Fleeces

300gsm, anti-pill fleece.
nteractive full zip. Comfort cuffs.
Two hip pockets with zip closures.
Combining quality and durability.

Colours: black and navy.

NEW


Black


Navy

Size	Order Code SSF-962 Black	Navy
S	-3760C	-3764C
M	-3760D	-3764D
L	-3760E	-3764E
X	-3760F	-3764F
2XL	-3760G	-3764G

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TUFFSAFE T-Shirts

200gsm, 65% polyester, 35% cotton fabric.


Navy


Black

NEW


Royal

Size	Order Code TFF-962 Black	Navy	Royal
S	-7100B	-7101B	-7102B
M	-7100C	-7101C	-7102C
L	-7100D	-7101D	-7102D
XL	-7100E	-7101E	-7102E
2XL	-7100F	-7101F	-7102F

Sweatshirts

350gsm, 65/35 polycotton with triple stitched seams. Elasticated cuff, neckline and waistband. Brushed fleece liner. Half-moon yoke. Taped neckline. Set in sleeves.


Black

NEW


Navy


Royal

Size	Order Code TFF-962 Black	Navy	Royal
S	-6060B	-6061B	-6062B
M	-6060C	-6061C	-6062C
L	-6060D	-6061D	-6062D
XL	-6060E	-6061E	-6062E
2XL	-6060F	-6061F	-6062F

Polo Shirts

220gsm, 50/50 polycotton fabric with triple stitched seams. Half-moon yoke, padded neck line, tipped collar and cuffs. Hemmed sleeve ends.


Navy

NEW


Royal


Black

Size	Order Code TFF-962 Black	Navy	Royal
S	-5300B	-5301B	-5302B
M	-5300C	-5301C	-5302C
L	-5300D	-5301D	-5302D
XL	-5300E	-5301E	-5302E
2XL	-5300F	-5301F	-5302F

Micro Fleece

400gsm, micro fleece with full length YKK zip. Soft cuff design. Internal pockets. External large YKK zipped pockets.


Navy

NEW


Black


Royal

Size	Order Code TFF-962 Black	Navy	Royal
S	-3230B	-3231B	-3232B
M	-3230C	-3231C	-3232C
L	-3230D	-3231D	-3232D
XL	-3230E	-3231E	-3232E
2XL	-3230F	-3231F	-3232F

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SITESAFE

Men's Soft Shell Jackets

260gsm, two layer construction soft shell with contrast trim.
Full length zip fastening.
Two zipped side pockets.

Colours:

Black Navy

NEW



Size	Order Code SSF-962 Black	Navy
S	-6140C	-6144C
M	-6140D	-6144D
L	-6140E	-6144E
XL	-6140F	-6144F
2XL	-6140G	-6144G

Men's Soft Shell Gilets

SS29V4

260gsm, two layer soft shell construction.
Full length fastening zip. Contrast trim.
Two hip pockets and one chest pocket.

NEW



Colours:

Black Navy

Size	Order Code SSF-962 Black	Navy
S	-6110C	-6114C
M	-6110D	-6114D
L	-6110E	-6114E
XL	-6110F	-6114F
2XL	-6110G	-6114G

TUFFSAFE

Men's Executive Soft Shell Jackets

290gsm, three layer construction with 10,000/3,000 breathable waterproof membrane.
Contrast trim sleeves. Two side zipped pockets. One chest zipped pocket. One zipped arm pocket.

Colours:

Black Navy

NEW



Size	Order Code TFF-962 Black	Navy
S	-6200A	-6205F
M	-6201B	-6206G
L	-6202C	-6207H
XL	-6203D	-6208J
2XL	-6204E	-6209K

Ladies Soft Shell Jackets

260gsm, two layer construction soft shell with shaped fit.
Full length zip fastening.
Two zipped side pockets.

Colours:

Black Navy

NEW



Size	Order Code SSF-962 Black	Navy
S	-6130C	-6134C
M	-6130D	-6134D
L	-6130E	-6134E
XL	-6130F	-6134F
2XL	-6130G	-6134G

Ladies Soft Shell Gilets

Jet SS2LV4

260gsm, two layer soft shell construction.
Full length fastening zip. Contrast trim.
Two hip pockets and one chest pocket.

Colours: black and navy.

NEW



Navy
Black

Size	Order Code SSF-962 Black	Navy
S	-6100C	-6104C
M	-6100D	-6104D
L	-6100E	-6104E
XL	-6100F	-6104F
2XL	-6100G	-6104G

Ladies Executive Soft Shell Jackets

290gsm three layer construction with 10,000/3,000 breathable waterproof membrane. Contrast trim sleeves. Two side zipped pockets. One chest zipped pocket. One zipped arm pocket.
Shaped fit.

Colours:

Black/ Grey Navy/ Grey

NEW



Size	Order Code TFF-962 Navy/Grey	Black/Grey
S	-6220A	-6225F
M	-6221B	-6226G
L	-6222C	-6227H
XL	-6223D	-6228J
2XL	-6224E	-6229K

PERSONAL PROTECTION

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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TUFFSAFE 'Guard Master' FR™ Flame Retardant Disposable Hooded Coveralls

NEW

Disposable coveralls with hood, elastic cuffs, back and ankles. 1-way zip at front with 1-ply stormflap. Made from 55gsm SMS (spunbond-meltblown-spunbond) material with anti-static treatment and inside stitching. **CE Type 5** & **6**. Flame retardant **EN ISO 14116/08/1/0/0**. Nuclear particle **EN1073-2/02 Class 1**. **EN ISO 13982-1:2004 (Type 5)**. **EN 13034:2005 +A1/2009 (Type 6)**. **EN ISO 14116:2008** Index 1**.** **EN 11490-5:2008** (anti-static).



Anti-static
Flame Retardant
CE 0624
CAT III
EN 1149.1
TYPE 5 EN13982 1: 2004
TYPE 6 EN13034:2005 +A1/2009
NUCLEAR PARTICLE EN1073:2002 CLASS 1
EN ISO 14116:2008 Index 1
EN 1149
CHEMICAL PROTECTION

Type	Size	Order Code TFF-962
Hooded	M	-3250C
	L	-3251D
	XL	-3252E
	2XL	-3253F
	3XL	-3254G

SITESAFE Disposable Coveralls

100% polypropylene single-use disposable coverall for minimal risk and nuisance. Provides protection from non-hazardous dust and liquid splash. Designed for comfortable fit with elasticated ankles, cuffs, hood and waist. Suitable for DIY and home maintenance, food processing, general cleaning, site visitors, stores and warehouse use etc.



Overshoes supplied separately.

Colour	Size	Order Code SSF-962
Blue	M	-1250C
	L	-1250D
	XL	-1250E
	2XL	-1250F
White	M	-1253C
	L	-1253D
	XL	-1253E
	2XL	-1253F

'Guard Master' Disposable Hooded Coveralls

Type 5/6 coveralls. Disposable coveralls with hood, elastic cuffs, back and ankles. 1-way zip at front with 1-ply stormflap. Made from 55gsm SMS (spunbond, microporous spunbond) material with inside stitching.
For noxious dust and splash. Ideal for dry particulate barrier and repellency. Lightweight and breathable. Liquid repellent. Designed to zip over neck to above the chin to protect exposed neck areas. **EN13034** for limited protection against liquid particles **(Type 6)**. **EN13982-1 (Type 5)** for protection against solid particles.



CAT III CE 0302
TYPE 5 EN13982 1: 2004
TYPE 6 EN13034:2005 +A1/2009

Coversshoes and gloves supplied separately.

Colour	Size	Order Code TFF-962
Blue	S	-3800A
	M	-3801B
	L	-3802C
	XL	-3803D
	2XL	-3804E
White	S	-3810A
	M	-3811B
	L	-3812C
	XL	-3813D
	2XL	-3814E

TUFFSAFE 'Guard Master PLUS' Disposable Hooded Coveralls

Type 5/6 coveralls. Non-woven disposable coveralls with elasticated hood, cuffs, back and ankles. Antistatic. Liquid repellent. Diamond crotch gusset improves manoeuvrability. 2-way zip at front with 1-ply adhesive tape stormflap. Laminated microporous film 65gsm with inside stitching. Provides protection against airborne solid particulates, liquid chemicals, infective agents, chemical and radioactive contamination.
Designed to zip over neck to above the chin to protect exposed neck areas. **EN13982-1 (Type 5)** for protection against solid particles. **EN1149-5** electrostatic properties. **EN141126** for protection against infective agents. **EN1073-2** for protection against radioactive contamination. **EN13034/05** for limited protection against liquid chemicals **(Type 6)**.



Anti-Static
EN 1149.1
BIOHAZART EN14126-2003 /AC:2004
CHEMICAL PROTECTION
NUCLEAR PARTICLE EN1073:2002 CLASS 1
TYPE 5 EN13982 1: 2004
CAT III CE 0302

Coversshoes and gloves supplied separately.

Colour	Size	Order Code TFF-962
White	S	-3830A
	M	-3831B
	L	-3832C
	XL	-3833D
	2XL	-3834E

PERSONAL PROTECTION

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

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TUFFSAFE High Visibility Waistcoats

Manufactured to **BS EN 471**
100% polyester with velcro fastening.
All tape bands are 50mm wide.





EN471

Sizing Guide:
Fit according to chest size.
A larger size may be required if worn over clothing.

Garment Size	Chest Size - cm	Height cm
M	112-116	152-194
L	116-120	152-194
XL	120-124	152-194
XXL	124-128	152-194
XXXL	128-134	152-194

These garments comply with the requirements of Directive 89/686/EEC and the reference standards listed below.

CE

Breathable High Visibility Coats

Certified to **EN471 Class 3**.
Certified to **EN343 Class 2** breathing fabric.
Polyester with PU coating. Concealed hood, full zip front with double storm flap.
Nylon/polyester quilt lining, self double yoke back.
Lower pockets with flap and elasticated storm cuffs. Stitched and welded seams.
Reflective material.

Breathable

EN343

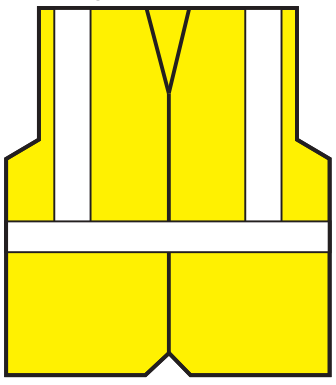
EN471



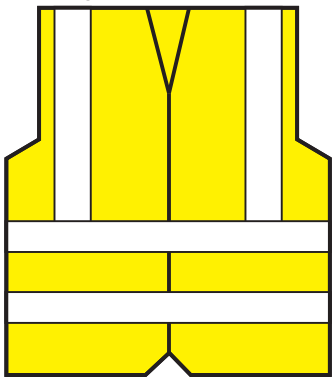
Size	Weight each	Order Code TFF-962
M	1050g	**-4051B**
L	1050g	**-4052C**
XL	1050g	**-4053D**
2XL	1050g	**-4054E**

PERSONAL PROTECTION

BS EN 471 Class 3 - Yellow 1 Body Band with Braces

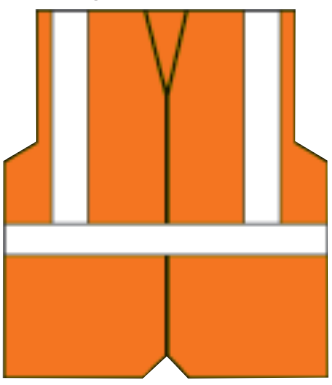


BS EN 471 Class 2 - Yellow 2 Body Bands with Braces

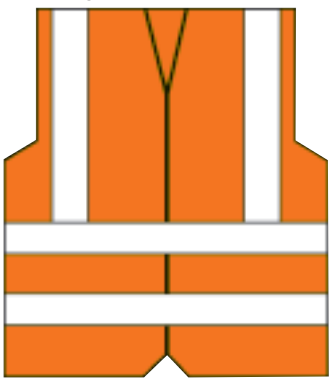


EN 471 Class	Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
3	1	✓	M	135g	**-4211B**
			L	150g	**-4212C**
			XL	270g	**-4213D**
			2XL	350g	**-4214E**
2	2	✓	M	135g	**-4231B**
			L	150g	**-4232C**
			XL	270g	**-4233D**
			2XL	350g	**-4234E**
			3XL	350g	**-4235F**

BS EN 471 Class 3 - Orange 1 Body Band with Braces



BS EN 471 Class 2 - Orange 2 Body Bands with Braces



EN 471 Class	Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
3	1	✓	M	135g	**-4241B**
			L	150g	**-4242C**
			XL	270g	**-4243D**
			2XL	350g	**-4244E**
2	2	✓	M	150g	**-4251B**
			L	270g	**-4252C**
			XL	270g	**-4253D**
			2XL	350g	**-4254E**
			3XL	350g	**-4255F**

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TUFFSAFE High Visibility Body Warmers

Certified to **EN471 Class 2**.
PU coating to hi-vis side.
Reversible bodywarmer 'zipout'. Knitted collar.
Heavy duty zip.
Navy polycotton diamond quilt on reverse.
Two patch pockets on quilted side.
Reflective material.

EN471



Size	Weight each	Order Code TFF-962
M	1050g	**-4711B**
L	1050g	**-4712C**
XL	1050g	**-4713D**
2XL	1050g	**-4714E**

Hi-Vis Polo Shirt

Two reflective bands around the torso and each sleeve, one band over each shoulder meeting **EN471 Class 3/2** requirements.
Lightweight and breathable polyester fabric.

EN471



Size	Order Code TFF-962
M	**-4731B**
L	**-4732C**
XL	**-4733D**
2XL	**-4734E**

Hi-Vis Sweatshirt

Two reflective bands around the torso and each sleeve, one band over each shoulder meeting **EN471 Class 3/2** requirements.

EN471



Size	Order Code TFF-962
M	**-4741B**
L	**-4742C**
XL	**-4743D**
2XL	**-4744E**

Lightweight Jackets

Satin yellow knitted polyester.

High Visibility Yellow
All tape bands are 50mm wide.

BSEN471 1994: Class 3 area of fluorescent background and retro reflective tape.

BSEN471 1994: Class 2 retro reflective tape performance.

EN471



Available Sizes & Selection:
Fit according to chest size. A larger size may be required if worn over clothing.

Sizing Guide

Size	Chest (cms)	Height
M	112-116	152-194
L	116-120	152-194
XL	120-124	152-194
2XL	124-128	152-194

CE These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
2	✓	M	150g	**-4411B**
2	✓	L	200g	**-4412C**
2	✓	XL	300g	**-4413D**
2	✓	2XL	400g	**-4414E**

Hi-Vis Executive Vest

Two reflective bands around the torso and and one band over each shoulder meeting **EN471 Class 2/2** requirements.
Lightweight and breathable vest. Zip front.
External mobile phone pocket, pen pouch, 'D' ring and clear ID pouch.
Two pockets with velcro fastening.

EN471



Size	Order Code TFF-962
M	**-4721B**
L	**-4722C**
XL	**-4723D**
2XL	**-4724E**

Hi-Vis Fleece Jacket

Two reflective bands around the torso and each sleeve, one band over each shoulder meeting **EN471 Class 3/2** requirements.
Fleece comes with mesh inner lining, elasticated cuffs and two side entry pockets.

EN471



Size	Order Code TFF-962
M	**-4751B**
L	**-4752C**
XL	**-4753D**
2XL	**-4754E**

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TUFFSAFE 5-in-1 High Visibility Waterproof & Breathable Coats



A multi-function coat system for all seasons. An outer layer, detachable inner jacket, detachable inner sleeves and detachable hood giving multiple wear options to suit any weather conditions.

Outer Layer: Two reflective bands around the torso and each sleeve, one band over each shoulder meeting **EN471 Class 3/3** requirements and **EN343 Class 3/3**. Two way zip with press stud storm flap protection. Fully taped seams. Fleece collar. External phone pocket and clear ID pouch. Two 'D' rings. Zip security pocket within the storm flap for easy access. Two external pockets with pop stud fastening plus two side slant pockets for easy access. Adjustable Velcro cuff straps. Inner layer retained by zips and press studs. Zip access to shell for corporate identity/branding. Adjustable drawstring toggles on waist and hood.

Inner Layer/Body Warmer:
Two reflective bands around the torso, one band over each shoulder meeting **EN471 class 3/2** requirements.
Dual purpose inner layer with reflective properties and inner quilted option when reversed. Fully taped seams.
Two way zipper for attaching to outer layer or wearing independently. Fleece collar. External phone pocket with 'D' ring. Two external side pockets on both hi-vis and quilted layer. Elasticated cuffs. Removable zipped sleeves to create body warmer.

These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Size	Order Code TFF-962
S	**-8010A**
M	**-8011B**
L	**-8012C**
XL	**-8013D**
2XL	**-8014E**





Breathable High Visibility Trousers

Certified to **EN471.**
Breathable fabric.
Polyester with PU coating.
Overtrousers with elasticated waist. Studded ankles.
Reflective material.



EN471

Breathable

Size	Weight each	Order Code TFF-962
M	1050g	**-4061B**
L	1050g	**-4062C**
XL	1050g	**-4063D**
2XL	1050g	**-4064E**

Waterproof High Visibility Trousers

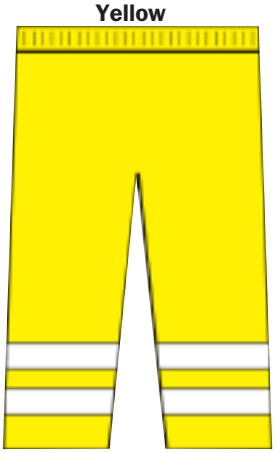
Satin yellow knitted polyester lightweight overtrousers with elasticated waist, velcro front fastening and fully taped waterproof seams. Complete with two 50mm reflective bands around each leg.

PREN343 1993:
Class 3 (highest) water penetration; Class 1 (lowest) water vapour resistance.

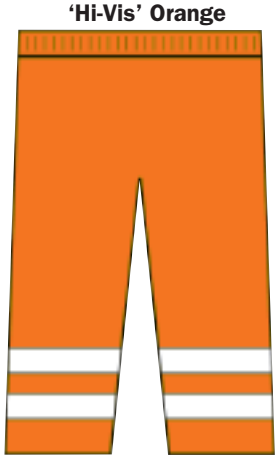
BSEN471 1994:
Class 1 area of fluorescent background and retro reflective tape.

BSEN471 1994: Class 2 retro reflective tape performance.

Yellow



'Hi-Vis' Orange



EN343 **EN471**

Waterproof



These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Colour	Size	Weight each	Order Code TFF-962
Yellow	M	330g	**-4021B**
	L	350g	**-4022C**
	XL	360g	**-4023D**
	2XL	370g	**-4024E**
Orange	M	330g	**-4041B**
	L	350g	**-4042C**
	XL	360g	**-4043D**
	2XL	370g	**-4044E**

Available Sizes & Selection:
Fit according to waist size. This garment has a 20cm allowance built in for comfort and to allow the garment to be worn over light layers of clothing. If bulkier clothing has to be worn underneath, a larger size may be required.

Sizing Guide

Size	Waist (ins)	Waist (cms)	Height
M	32-34	80-84	170-176
L	34-36	88-92	176-182
XL	36-38	82-96	182-188
2XL	40-42	100-104	188-194

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TUFFSAFE Waterproof High Visibility Jackets

Two hip pockets with velcro fastened flaps. Drawstring hood. Knitted storm cuffs. Two way zip front with studded storm flap. Inside pocket.

PREN343 1993:
Class 3 (highest) water penetration;
Class 1 (lowest) water vapour resistance.
BSEN471 1994:
Class 3 area of fluorescent background and retro reflective tape.
BSEN471 1994:
Class 2 retro reflective tape performance.

Waterproof



EN343 EN471

Available Sizes & Selection:
Fit according to chest size. This garment has a 20cm allowance built in for comfort and to allow the garment to be worn over light layers of clothing. If bulkier clothing has to be worn underneath, a larger size may be required.

Sizing Guide

Size	Chest (ins)	Chest (cms)	Height
M	37-39	92-100	170-176
L	39-43	100-108	176-182
XL	43-46	108-116	182-188
2XL	46-49	116-124	188-194

These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
2	✓	M	1.4kg	**-4111B**
2	✓	L	1.4kg	**-4112C**
2	✓	XL	1.4kg	**-4113D**
2	✓	2XL	1.4kg	**-4114E**

Waterproof High Visibility Coats

Satin yellow PU coated polyester with fixed nylon quilted lining. Two internal breast pockets, two exterior pockets with storm flaps and rear access for corporate identity logo heat attachment. Heavy weight two way zip with studded storm flap knitted storm cuffs, concealed hood with drawstring. Fully taped seams. All highway jackets have 2x 50mm sleeve bands.
Uses 3M Scotchlite retro-reflective glass bead tape.
PREN343 1993:
Class 3 (highest) water penetration; Class 1 (lowest) water vapour resistance.
BSEN471 1994:
Class 3 area of fluorescent background and retro reflective tape.
BSEN471 1994:
Class 2 retro reflective tape performance.



EN343 EN471

Available Sizes & Selection:
Fit according to chest size. This garment has a 20cm allowance built in for comfort and to allow the garment to be worn over light layers of clothing. If bulkier clothing has to be worn underneath, a larger size may be required.

Sizing Guide

Size	Chest (ins)	Chest (cms)	Height
M	37-39	92-100	170-176
L	39-43	100-108	176-182
XL	43-46	108-116	182-188
2XL	46-49	116-124	188-194

Yellow
All tape bands are 50mm wide.

Waterproof



These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
2	✓	M	0.9kg	**-4011B**
2	✓	L	1.0kg	**-4012C**
2	✓	XL	1.0kg	**-4013D**
2	✓	2XL	1.2kg	**-4014E**

Orange
All tape bands are 50mm wide.

Waterproof



These garments comply with the requirements of Directive 89/686/EEC and the above reference standards.

Bands Body	Bands Braces	Size	Weight each	Order Code TFF-962
2	✓	M	0.9kg	**-4031B**
2	✓	L	1.0kg	**-4032C**
2	✓	XL	1.0kg	**-4033D**
2	✓	2XL	1.2kg	**-4034E**

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Foot Protection

The wearing of foot protection in hazardous areas is a requirement under regulation 4 of the **Personal Protective Equipment at Work Regulations 1992.** This regulation requires employers to provide suitable personal protective equipment to employees exposed to health and safety risks. Feet need to be protected from hazards such as wet, electrostatic build-up, slipping, cuts and punctures, falling objects, metal and chemical splash and abrasion.
Note: Footwear can have a variety of sole patterns and materials to prevent slips in different conditions, have oil or chemical-resistant soles, and be antistatic, electrically conductive or insulating. There are a variety of styles including 'trainers' and boots with ankle support.

Footwear Classification System - A Brief Guide

S3 / **S2** / **S1** / **SB** — Safety Basic to **EN ISO 20345** 200 Joules Toe Protection.
Anti-static and Energy Absorbing Heel.
Water-Resistant Upper.
Steel Midsole.

SBP / **S1P** — For Class S1 and SB with Steel Midsole S1P and SBP classification is used).

S5 / **S4** — Safety Basic to **EN ISO 20345** 200 Joules Toe Protection. All rubber or all polymeric footwear with Antistatic and Energy Absorbing Heel.
Water-resistant Upper and Steel Midsole.

200 Joules steel toe cap impact protection. Guards against falling objects and collisions (unless stated).

Oil, petrol, water, acid and alkali resistant.

Water penetration and absorption resistant. Helps keep feet dry in wet conditions.

Steel midsole to prevent sharp object penetration. Ideally suited to building sites and where metal swarf is present on floors.

Resists the build-up and conductance of static electricity. Of most benefit when walking on synthetic carpets or near electrical machinery.

Lightweight. Normally polyurethane soles with breathable uppers. Reduces fatigue during extended wear.

Non-metallic protection Kevlar composite toe cap and sole plate. For working in areas where security screening is a necessity. 200 Joules impact protection (unless stated).

Dual density polyurethane/rubber soles for extra comfort. The sole features a nitrile rubber outsole, resistant to heat to 300° and a low density polyurethane interlayer, for increased comfort and shock absorption.

Specially shaped inner sole to support arches and toes.

Normally allows walking on hot surfaces up to 300°C (unless stated).

Wider fitting for extra comfort. Also allows the user to wear thick work socks.

NOTE:
Most shoe companies do not use absolutely correct size conversions and so it is quite common to have some variation from these tables. The table represents the 'best fit' solution i.e. calibrated to the nearest size to its counterpart.

Sizing Guide (Sizes are not standard)

UK	3	4	5	6	7	8	9	10	11	12	13
Continental	36	37	38	39½	40½	42	43	44½	45½	47	48
Asia	22	23	24	25	26	27	28	29	30	31	32
USA (Men)	4	5	6	7	8	9	10	11	12	13	14
USA (Women)	4½	5½	6½	7½	8½	9½	10½	11½	12½		

PERSONAL PROTECTION

TUFFSAFE *Mid-Cut Safety Boots Steel Midsole*

BWB 08
Manufactured to **EN345**. Dual density, anti-static and energy absorbing heel. Water-resistant upper, waterproof and breathable lining with a steel midsole. 200 joules toe protection.
Colour: black.

S3





Size	Order Code TFF-963
6	-0806D
7	-0807E
8	-0808F
9	-0809G
10	-0810H
11	-0811J
12	-0812K

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TUFFSAFE Rigger Boots

Tuffsafe Rigger boots are a pull-on safety boot popular with tradesmen and construction workers, designed to cope with the demanding working conditions found in most outdoor on-site environments. Tuffsafe Rigger boots are the ideal safety footwear for winter weather as they go a third of the way up the leg this keeps your feet dry and the bottom of your trousers clean as you can tuck them in the top of the boot. Lined rigger boots are tough on the outside, soft and warm on the inside, they have been manufactured to provide comfort and safety when worn all day, in the most challenging weather conditions you'll encounter on-site.

Fur Lined Rigger Boots

S5

RAT 08

Manufactured to **EN ISO 20345:2011**. 200J steel toecap. Steel midsole. Anti-static dual density polyurethane/rubber sole. Water penetration and absorption resistant. Oil, petrol, water, acid and alkali resistant.

Colour: tan.



Size	Order Code TFF-963
5	-1245C
6	-1246D
7	-1247E
8	-1248F
9	-1249G
10	-1250H
11	-1251J
12	-1252K

Lined Steel Midsole Rigger Boots

S1P

RAT 06

Manufactured to **EN345**. 200 joules steel toecap, steel midsole, antistatic dual density polyurethane/rubber sole, temperature-resistant up to 200°C with energy absorbing heels for extra comfort.

Colour: tan.

RAT 06

Fur-lining.

Size	Order Code TFF-963
6	-0606D
7	-0607E
8	-0608F
9	-0609G
10	-0610H
11	-0611J
12	-0612K

NEW



6" Safety Boots

S1P

BAB 04

These leather safety boots from the Tuffsafe premier safety footwear range incorporate hard wearing dual density polyurethane anti-static soles for your comfort. They have steel midsoles and are heat-resistant to 200°C with 200 joules steel toe protection for your safety. Manufactured to **EN345**.

Colour: black.



Size	Order Code TFF-963
6	-0420D
7	-0421E
8	-0422F
9	-0423G
10	-0424H
11	-0425J
12	-0426K

SITESAFE Safety Wellingtons

S5

Black. Energy absorbing heel. Tough construction. Manufactured to **EN ISO 345**.



Size	Order Code SSF-963
3	-2003K
4	-2004K
5	-2005K
6	-2006K
7	-2007K
8	-2008K
9	-2009K
10	-2010K
11	-2011K
12	-2012K

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TUFFSAFE Nubuck Welted Safety Boots Steel Midsole

BBH 01
Manufactured to **EN345**. Goodyear welt construction.
Ultra flexible and lightweight sole. Steel midsole.
200 joules toe protection.
Colour: honey.

SBP



Size	Order Code TFF-963
6	-0106D
7	-0107E
8	-0108F
9	-0109G
10	-0110H
11	-0111J
12	-0112K

SITESAFE Safety Boots

SSF01
Steel toe and midsole chukka boot/shoe, split leather upper, antistatic properties, dual density PU/PU outsole, padded collar for extra support, padded tongue for extra comfort, lightweight and flexible, S1P specification, fully conforming to **EN ISO 345** Standards.
Colour: black.

S1P



Size	Order Code SSF-963
3	-2203K
4	-2204K
5	-2205K
6	-2206K
7	-2207K
8	-2208K
9	-2209K
10	-2210K
11	-2211K
12	-2212K
13	-2213K

Welted Safety Boots Steel Midsole

BBB 02
Manufactured to **EN345**. Goodyear Welt construction.
Ultra flexible and lightweight sole. Steel midsole.
Heat-resistant to 300°C.
200 joules toe protection.
Colour: black.

SBP



Size	Order Code TFF-963
6	-0206D
7	-0207E
8	-0208F
9	-0209G
10	-0210H
11	-0211J
12	-0212K

Nubuck Hiker Safety Boots

BBH 03
Manufactured to **EN345**. Cemented construction, lightweight rubber sole. Heat resistant to 200°C.
200 joules toe protection.
Colour: honey.

SB



Size	Order Code TFF-963
6	-0320D
7	-0321E
8	-0322F
9	-0323G
10	-0324H
11	-0325J
12	-0326K

SITESAFE Safety Boots

SSF05
Manufactured to **EN345**. 200J steel toecap. Steel midsole.
Oil, petrol, water acid and alkali resistant.
Anti-static. Dual density polyurethane rubber soles.

S1P



Size	Order Code SSF-963
5	-1960K
6	-1961K
7	-1962K
8	-1963K
9	-1964K
10	-1965K
11	-1966K
12	-1967K

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TUFFSAFE Safety Shoes Steel Midsole

S3

SWB 07

Black. Manufactured to **EN345**. Anti-static and energy absorbing heel. Dual density polyurethane rubber sole. Water-resistant upper and steel midsole. Heat-resistant to 300°C. 200 joules toe protection.

Size	Order Code TFF-963
6	-0706D
7	-0707E
8	-0708F
9	-0709G
10	-0710H
11	-0711J
12	-0712K



Safety Ankle Boots

S1P

CAB 09

Using the latest materials such as Kevlar and composite technologies. PU and leather upper, EVA/RB outsole. Manufactured to **EN ISO 345**.

Size	Order Code TFF-963
6	-0150D
7	-0151E
8	-0152F
9	-0153G
10	-0154H
11	-0155J
12	-0156K



Non-Metallic Safety Boots

S3

BNM11

Black/grey. Manufactured to **EN ISO 20345:2011.** 200J toecap. Midsole. Waterproof for dry feet in wet conditions. Dual density soles.

Size	Order Code TFF-963
6	-0906D
7	-0907E
8	-0908F
9	-0909G
10	-0910H
11	-0911J
12	-0912K

NEW



Non-Metallic Safety Trainers

S3

TNM12

Black/grey. Manufactured to **EN ISO 20345:2011.** 200J toecap. Midsole. Waterproof for dry feet in wet conditions. Dual density soles.

Size	Order Code TFF-963
6	-0936D
7	-0937E
8	-0938F
9	-0939G
10	-0940H
11	-0941J
12	-0942K

NEW



Safety Trainers

S1P

CST 10

Manufactured to **EN ISO 345**. Using the latest materials such as Kevlar and composite technologies. PU and leather upper, EVA/RB outsole.

Size	Order Code TFF-963
6	-0850D
7	-0851E
8	-0852F
9	-0853G
10	-0854H
11	-0855J
12	-0856K



SITESAFE Safety Shoes

S1P

SSF02

Black. Steel toe and midsole chukka boot/shoe, split leather upper, anti-static properties, dual density PU/PU outsole, padded collar for extra support, padded tongue for extra comfort, lightweight and flexible, S1P specification, fully conforming to **EN ISO 345** Standards.

Size	Order Code SSF-963
3	-2243K
4	-2244K
5	-2245K
6	-2246K
7	-2247K
8	-2248K
9	-2249K
10	-2250K
11	-2251K
12	-2252K
13	-2253K



Safety Trainers

S1P

SSF04

Manufactured to **EN345**. 200J steel toecap. Steel midsole. Oil, petrol, water acid and alkali resistant. Anti-static. Dual density polyurethane/rubber soles.

Size	Order Code SSF-963
5	-1950K
6	-1951K
7	-1952K
8	-1953K
9	-1954K
10	-1955K
11	-1956K
12	-1957K



PERSONAL PROTECTION

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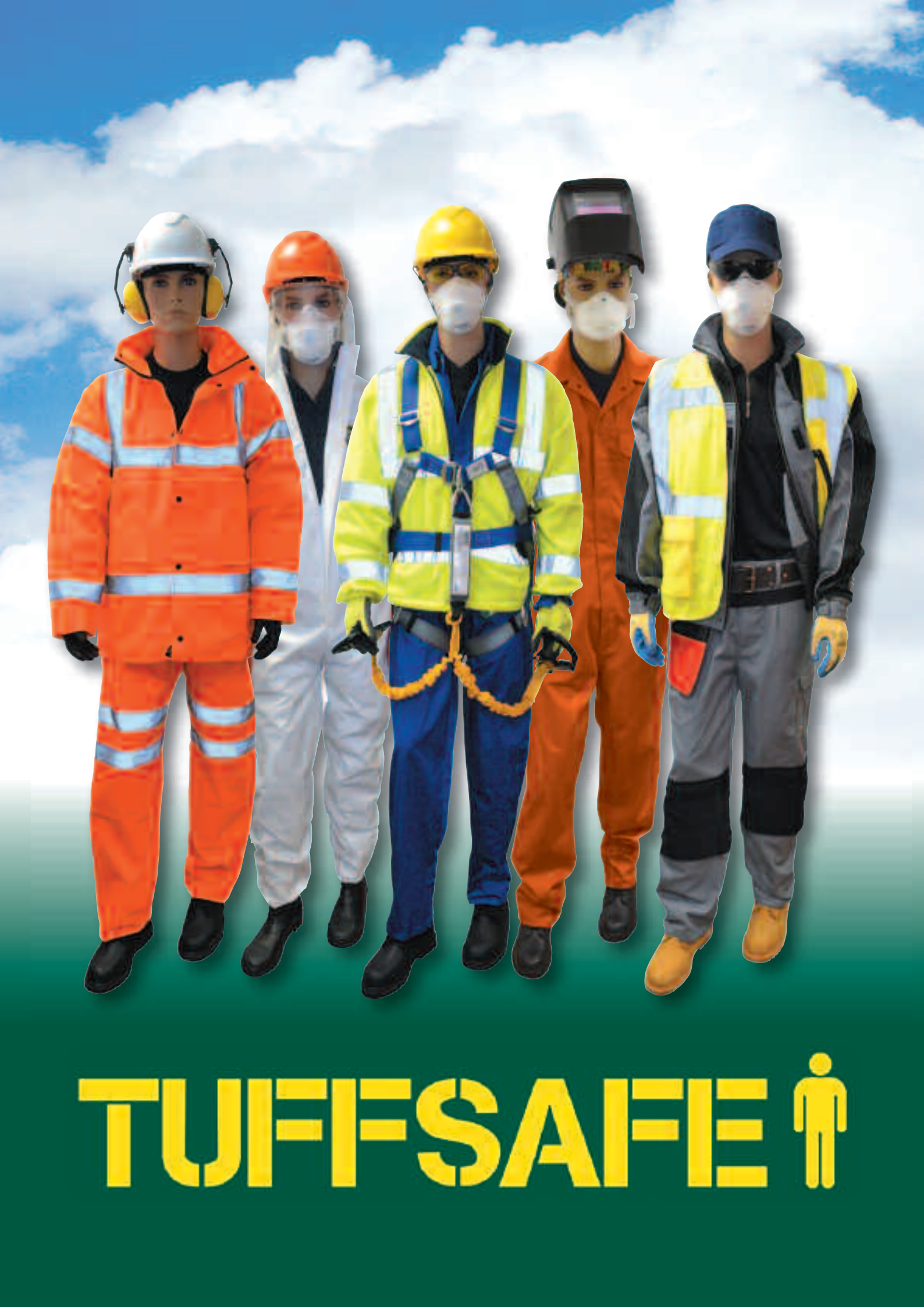

TUFFSAFE

Ingress Protection (IP) Ratings

Ingress Protection (IP) ratings are developed by the **European Committee for Electro Technical Standardization (CENELEC) (described IEC/EN 60529)**, specify the environmental protection an enclosure provides. In order to comply with stringent requirements for **CE Marking,** machine makers today are fitting their machines with parts that are certified according to **EU (European Union)** and international standards.



The IP rating normally has two (or three) numbers:

IP First Number - Protection from solid objects or materials
IP Second Number - Protection from liquids
IP Third Number - Protection against mechanical impacts (commonly omitted)

Example - IP Rating





5 describes the level of protection from solid objects and ***4*** describes the level of protection from liquids.

1

Protection against solid objects

0 No protection.
1 Protected against solid objects up to 50mm, e.g. accidental touch by hands.
2 Protected against solid objects up to 12mm, e.g. fingers.
3 Protected against solid objects over 2.5mm (tools and wires).
4 Protected against solid objects over 1mm (tools, wire, and small wires).
5 Protected against dust limited ingress (no harmful deposit).
6 Totally protected against dust.

2

Protection against liquids

0 No protection.
1 Protection against vertically falling drops of water e.g. condensation.
2 Protection against direct sprays of water up to 15° from the vertical.
3 Protected against direct sprays of water up to 60° from the vertical.
4 Protection against water sprayed from all directions ° limited ingress permitted.
5 Protected against low pressure jets of water from all directions ° limited ingress.
6 Protected against low pressure jets of water, e.g. for use on ship decks - limited ingress permitted.
7 Protected against the effect of immersion between 15cm and 1m.
8 Protects against long periods of immersion under pressure.

3

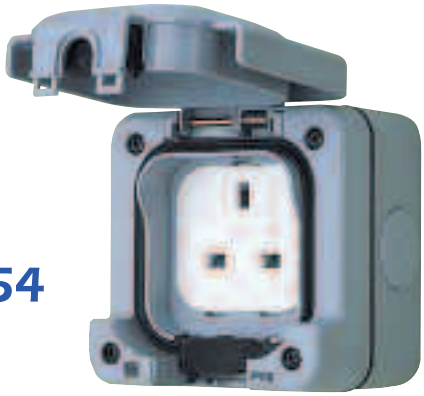
Protection against mechanical impacts (commonly omitted)

0 No protection.
1 Protects against impact of 0.225 joule (e.g. 150g weight falling from 15cm height).
2 Protected against impact of 0.375 joule (e.g. 250g weight falling from 15cm height).
3 Protected against impact of 0.5 joule (e.g. 250g weight falling from 20cm height).
4 Protected against impact of 2.0 joule (e.g. 500g weight falling from 40cm height).
5 Protected against impact of 6.0 joule (e.g. 1.5kg weight falling from 40cm height).
6 Protected against impact of 20.0 joule (e.g. 5kg weight falling from 40cm height).





IP54



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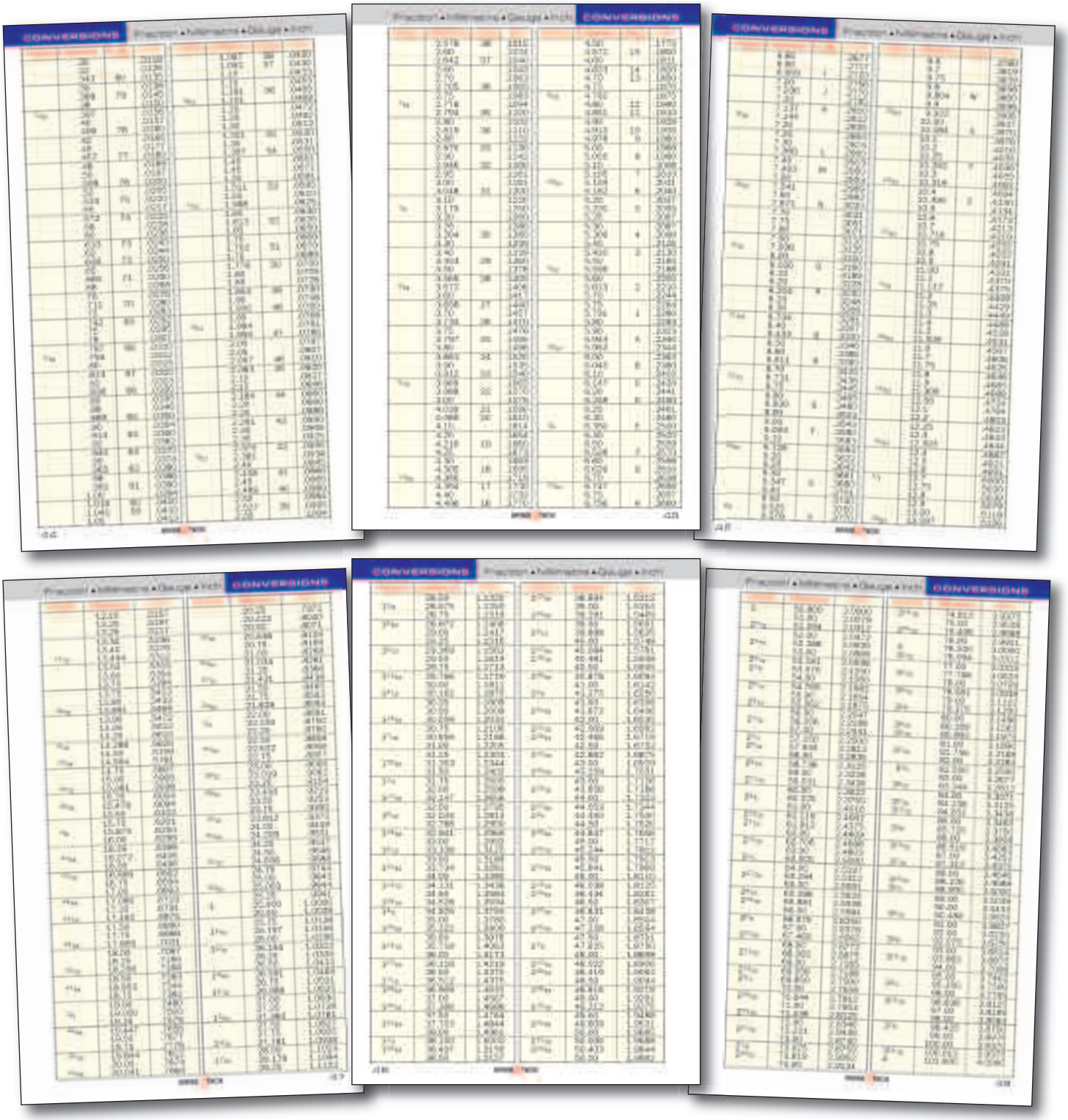

FREE

SHERWOOD QUALITY CUTTING TOOLS

Metric/Inch Conversion Wall Chart

(A2 Size)

AVAILABLE ON REQUEST

CAT-849-0937A

Contact your local branch or representative.



FREE

SHERWOOD QUALITY CUTTING TOOLS

Tapping Drill Wall Chart

(A2 Size)

AVAILABLE ON REQUEST

CAT-849-0938A

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Engineers Reference Data Charts

Now with 38 pages of engineering data. Each page coated with an anti-glare matt lamination to protect against the dirt and grease encountered in workshop conditions.

FOURTH EDITION
Extended Content Version

"WIRO" BOUND

LAMINATED EDITION

Pocket Size
164 x 84mm

Contents:

- **Basic forms of heat treatment**
  Colour charts for tempering and for hardening & forging.
- **Material groups**
  Colour coded machineability chart and hardness listing.
- **Tensile strength and hardness**
  Shore hardness and equivalent tensile strengths and conversions included.
- **Lubricant selection**
  Colour coded materials chart and dilution guidelines.
- **Hole and shaft tolerances**
  H7-e8 tolerances for counterbores included.
- **Metric screw and hole sizes**
- **Thread notation**
  Explains terminology used to define thread characteristics.
- **Standard thread forms;**
  Sequenced logically, tapping and clearance sizes integrated into single chart and colour highlighted for quick reference. Includes special metric pitches & NPT, distinctions made between 'Rp' and 'G' series BSP. ISO 529 pitch form diagrams shown. Now also lists tapping and clearance drill sizes for fluteless tap.
- **Dimensions of common shank types**
  Now includes screwed shank, Weldon, DIN Taper, BT Taper, ISO Taper in addition to Morse taper shank details.
- **Standards for engineering drawings**
  Comprehensive listing including contemporary listings and illustrations.
- **Abbreviations used in engineering drawings**
- **Common CNC codes**
  Comprehensive listing including contemporary listings.
- **Axis nomenclature for machine tools**
  Newly added page explaining the use of letter addresses to define directional motion.
- **Trigonometry formulae**
  Colour coded CAD produced illustrations for quick reference.
- **Sines and Cosines**
  Calculated to six decimal places with colour coded axes for quick reference.





- **Tangents and Cotangents**
  Calculated to six decimal places with colour coded axes for quick reference.
- **Co-ordinates for equally pitched holes**
  Clear and easy to read CAD produced diagrams.
- **Bending allowances for malleable materials**
  Listed as metric radius and thickness with nearest equivalent SWG given for guidance. Clear and easy to read CAD produced diagrams.
- **Cutting speed calculator**
  Gives required RPM for known cutter diameters and cutting speeds.
- **Standard drill size conversions;**
  No & letter sizes integrated into a single chart, standard sizes are highlighted in bold text, size range extended from 25.25mm up to 32.50mm. All inch-fractional sizes converted to mm equivalent as well as inch-decimal and Morse Taper shank sizes are indicated against drill diameter ranges.
- **Abbreviations and formulae**
  Definitions of standard meanings with specific attention given to turning, milling and drilling. Comprehensive list of commonly used abbreviations.
- **Weight and measure systems, useful conversions and constants**
  A comprehensive listing of contemporary and old systems, along with the necessary conversion formulae.

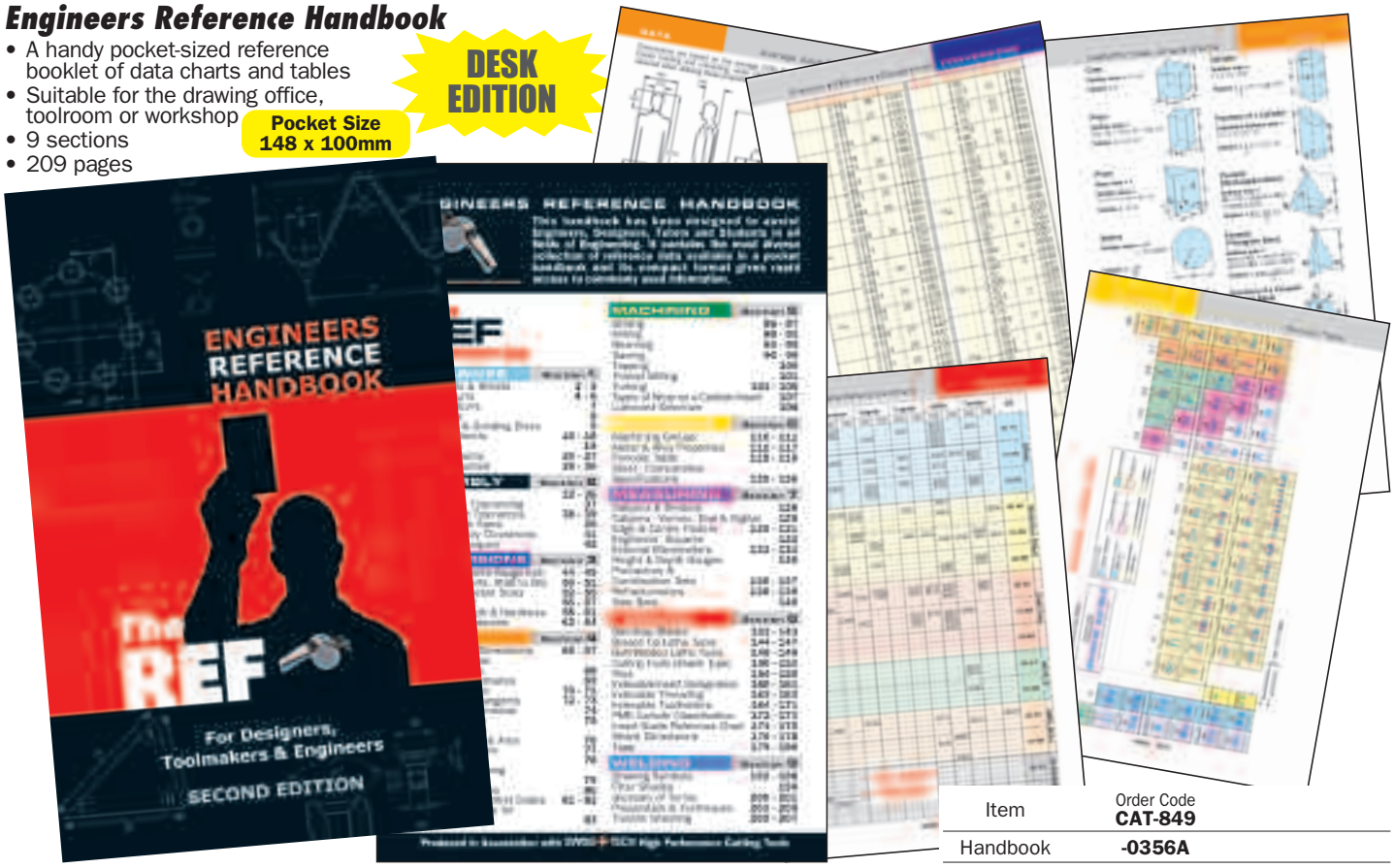
Item	Order Code CAT-849
Data Charts	-2621A

Engineers Reference Handbook

- A handy pocket-sized reference booklet of data charts and tables
- Suitable for the drawing office, toolroom or workshop
- 9 sections
- 209 pages

DESK EDITION

Pocket Size
148 x 100mm



Item	Order Code CAT-849
Handbook	-0356A

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CONVERSIONS Spanner & Socket Sizes

Head Size (Spanner Size, Across Flats)	Thread Size M			
mm	German (BRD) metric according to DIN and ISO	France N F E 27-311 (69) 27-411 (69)	Sweden S M S 2164 - 1967 2175 - 1971	Metric for DIN 6914 - 6915
4	2		2 & 2.2	
4.5	2.3			
5	2.5		2.5	
5.5	3	3	3 & 3.5	
6	3.5	3.5		
7	4	4	4 & 4.5	
8	5	5	5	
9	5 Alt			
10	6	6	6	
11	7	7	7	
12				
13	8	8	8	
14	8 Alt			
15	10 KFZ			
16				
17	10	10	10	
18				
19	12	12	12	
20				
21				
22	14	14	14	12
23				
24	16	16	16	
25				
26				
27	18	18	18	16
28				
				18
30	20	20	20	
32	22	22	22	20
36	24	24	24	22
38				
41	27	27	27	24
46	30	30	30	27
50	33	33	33	
55	36	36	36	
60	39	39	39	
65	42	42	42	
70	45	45	45	
75	48	48	48	
80	52	52	52	
85	56	56	56	
90	60	60	60	
95	64	64	64	
100	68	68	68	
105	72	72	72	
110	76	76	76	
115	80	80	80	
120	85	85	85	
125				
130	90	90	90	
135	95	95	95	
140				
145	100	100	100	
150	105	105	105	
155	110	110	110	
160				
165	115	115	115	
170	120	120	120	

Head Size (Spanner Size, Across Flats)	Thread Size UN								
			Unified Standard		ANSI B 18.2.1 - 1972				
			Nominal Series	Heavy Series	Nuts			Bolts & Screws	
AF	Inch Decimal	mm Equivalent			Square Bolt Hex Bolt Hex Cap Screw (Finished Hex Bolt) Lag Screw	Heavy Hex Bolt Heavy Hex Screw Heavy Structural Bolt	Hex Flat Hex Flat Jam Hex Jam Hex Slotted Hex Thick Slotted Hex Castle	Heavy Square Heavy Hex Flat Heavy Hex Flat Jam Heavy Hex Heavy Hex Jam Heavy Hex Slotted	Square Nut
5/32	0.1562	3.97							
3/16	0.1875	4.76							
7/32	0.2187	5.56							
1/4	0.2500	6.35							
9/32	0.2812	7.14			No. 10				
5/16	0.3125	7.94							
11/32	0.3438	8.73							
3/8	0.3750	9.52							
13/32	0.4062	10.32							
7/16	0.4375	11.11	1/4		1/4		1/4		1/4
1/2	0.5000	12.70	5/16	1/4	5/16		5/16	1/4	
9/16	0.5625	14.29	3/8	5/16	3/8		3/8	5/16	5/16
19/32	0.5938	15.08							
5/8	0.6250	15.88	7/16		7/16				3/8
11/16	0.6875	17.46		3/8			7/16	3/8	
3/4	0.7500	19.05	1/2	7/16	1/2		1/2	7/16	7/16
25/32	0.7812	19.84							
13/16	0.8125	20.64	9/16		9/16				1/2
7/8	0.8750	22.22		1/2		1/2	9/16	1/2	
15/16	0.9375	23.81	5/8		5/8		5/8	9/16	
1	1.0000	25.40							5/8
1 1/16	1.0625	26.99		5/8		5/8		5/8	
1 1/8	1.1250	28.58	3/4		3/4		3/4		3/4
1 3/16	1.1875	30.16							
1 1/4	1.2500	31.75		3/4		3/4		3/4	
1 5/16	1.3125	33.34	7/8		7/8		7/8		
1 3/8	1.3750	34.92							
1 7/16	1.4375	36.51		7/8		7/8		7/8	
1 1/2	1.5000	38.10	1		1		1		1
1 5/8	1.6250	41.28		1		1		1	
1 11/16	1.6875	42.86	1 1/8		1 1/8		1 1/8		1 1/8
1 3/4	1.7500	44.45							
1 13/16	1.8125	46.04		1 1/8		1 1/8		1 1/8	
1 7/8	1.8750	47.62	1 1/4		1 1/4		1 1/4		1 1/4
2	2.0000	50.80		1 1/4		1 1/4		1 1/4	
2 1/16	2.0625	52.39	1 3/8		1 3/8		1 3/8		1 3/8
2 3/16	2.1875	55.56		1 3/8		1 3/8		1 3/8	
2 1/4	2.2500	57.15	1 1/2		1 1/2		1 1/2		1 1/2
2 3/8	2.3750	60.32		1 1/2		1 1/2		1 1/2	
2 7/16	2.4375	61.91			1 5/8				
2 9/16	2.5625	65.09				1 5/8		1 5/8	
2 5/8	2.6250	66.68	1 3/4		1 3/4				
2 3/4	2.7500	69.85		1 3/4		1 3/4		1 3/4	
2 13/16	2.8125	71.44			1 7/8				
2 15/16	2.9375	74.61				1 7/8		1 7/8	
3	3.0000	76.20	2		2				
3 1/8	3.1250	79.38		2		2		2	
3 3/8	3.3750	85.72	2 1/4		2 1/4				
3 1/2	3.5000	88.90		2 1/4		2 1/4		2 1/4	
3 3/4	3.7500	95.25	2 1/2		2 1/2				
3 7/8	3.8750	98.42				2 1/2		2 1/2	
4 1/8	4.1250	104.78	2 3/4		2 3/4				
4 1/4	4.2500	107.95		2 3/4		2 3/4		2 3/4	
4 1/2	4.5000	114.30	3		3				
4 5/8	4.6250	117.48		3		3		3	
4 7/8	4.8750	123.82			3 1/4				
5	5.0000	127.00						3 1/4	
5 1/4	5.2500	133.35			3 1/2			3 1/2	
5 3/8	5.3750	136.52						3 1/2	
5 5/8	5.6250	142.88			3 3/4			3 3/4	
5 3/4	5.7500	146.05						3 3/4	
6	6.0000	152.40			4			4	
6 1/8	6.1250	155.58						4	

Head Size (Across Flats)	Thread Size (Spanner Size) BS		
Inch Decimal	mm Equivalent	BA & BSW	BSF
0.152	3.86	8BA	
0.172	4.37	7BA	
0.193	4.90	6BA	
0.220	5.59	5BA	
0.248	6.30	4BA	
0.256	6.50	1/16W	
0.282	7.16	3BA	
0.297	7.54	3/32W	
0.324	8.23	2BA	
0.340	8.64	1/8W	(3/16)
0.365	9.27	1BA	
0.413	10.49	0BA	(7/32)
0.445	11.30	3/16W	1/4
0.525	13.34	1/4W	5/16
0.600	15.24	5/16W	3/8
0.710	18.03	3/8W	7/16
0.820	20.83	7/16W	1/2
0.920	23.37	1/2W	9/16
1.010	25.65	9/16W	5/8
1.100	27.94	5/8W	(11/16)
1.200	30.48	11/16W	3/4
1.300	33.02	3/4W	7/8
1.390	35.31	13/16W	(15/16)
1.480	37.59	7/8W	1
1.670	42.42	1W	1 1/8
1.860	47.24	1 1/8W	1 1/4
2.050	52.07	1 1/4W	1 3/8
2.220	56.39	1 3/8W	1 1/2
2.410	61.21	1 1/2W	1 5/8
2.580	65.53	1 5/8W	1 3/4
2.760	70.10	1 3/4W	2
	76.70	1 7/8W	
3.150	80.01	2W	2 1/4
3.550	90.17		2 1/2
3.890	98.81		2 3/4
4.180	106.17		3
4.530	115.06		3 1/4
4.850	123.19		3 1/2
5.180	131.57		3 3/4
5.550	140.97		4
6.380	162.05		4 1/2

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C = *Centigrade*
F = *Fahrenheit*
ft = *Feet*
g = *Gram*
gal = *UK Gallon*
hp = *Horse Power*
in = *Inch*
K = *Kelvin*
kg = *Kilogram*
km = *Kilometre*
Kw = *Kilowatt*
l = *Litre*
lb = *Pound*
mm = *Millimetre*
mtr = *Metre*
oz = *Ounce*
pt = *UK Pint*
yd = *Yard*

To Convert From Imperial	To Metric	Multiply By
°F	°C	°C=(°F -32) x 5/9
°F	°K	°K=°C + 271.3
ft	mtr	0.3048
ft²	mtr²	0.092903
ft³	mtr³	0.028317
ft-lbs	kg-m	0.13826
ft-tons	tonne-mtr	0.3097
gal	ltr	4.54609
gal/ft²	ltr/m²	48.905
grains/gal	gm/ltr	0.01425
hp	kw	0.7457
in	mm	25.40
in²	cm²	6.4516
in²	mm²	645.16
in³	cm3 (cc)	16.3871
in-tons	kg-m	25.8
lb	kg	0.45360
lb/ft	kg/m	1.488
lb/ft2	kg/m²	4.883
lb/ft³	kg/m³	15.020
lb/gall	kg/ltr	0.09983
lb/in² (PSI)	kg/cm²	0.07037
lb/in² (PSI)	kg/mm²	0.0007037
lb/in² (PSI)	kg/mtr²	703.7
lb/mile	kg/km	0.2818
lb/yd	kg/m	0.496
lb/yd³	kg/m³	0.5933
nautical mile	km	1.8532
miles	km	1.60934
miles²	km²	2.58999
oz	g	28.3495
pt	ltr	0.568261
tons	tonnes (1000kg)	1.01605
tons/ft	kg/m	3333.33
tons/ft²	tonnes/m²	10.936
tons/in²	kg/mm²	1.575
tons/in²	n/mm²	15.444
tons/yd	kg/m	1111.11
tons/yd²	tonnes/m²	1.215
tons/yd³	tonnes/m³	1.329
yd	mtr	0.9144
yd²	mtr²	0.836127
yd³	mtr³	0.764555

To Convert From Metric	To Imperial	Multiply By
°C	°F	°F=(°Cx9/5)+32
°K	°F	°F=(°K-271.3)x1.8+32
cm²	in²	0.155
cm³ (cc)	in³	0.06102
g	oz	0.035274
gm/ltr	grains/gal	70.156
kg	lb	2.2046
kg/cm²	lb/in² (PSI)	14.223
kg/km	lb/mile	3.548
kg/ltr	lb/gal	10.022
kg/m	lb/ft	0.672
kg/m	lb/yd	2.016
kg/m	tons/ft	0.0003
kg/m	tons/yd	0.0009
kg/m²	lb/ft²	0.2048
kg/m³	lb/ft³	0.0624
kg/m³	lb/yd³	1.686
kg/mm²	lb/in² (PSI)	1421.06
kg/mm²	tons/in²	0.635
kg/mtr²	lb/in² (PSI)	0.00142
kg-m	in-tons	0.03875
kg-m	ft-lbs	7.233
km	nautical miles	0.5396
km	miles	0.62137
km²	miles²	0.38610
kw	hp	1.341
ltr	gal	0.21997
ltr	pt	1.75975
ltr/m²	gall/ft²	0.0204
mm	in	0.03937
mm²	in²	0.00155
mtr	yd	1.09361
mtr	ft	3.28084
mtr²	yd²	1.19599
mtr²	ft²	10.76391
mtr³	yd³	1.30795
mtr³	ft³	35.31467
N/mm²	tons/in²	0.06475
tonne-m	ft-tons	3.229
tonnes (1000kg)	tons	0.9842
tonnes/m²	tons/ft²	0.0914
tonnes/m²	tons/yd²	0.823
tonnes/m³	tons/yd³	0.752

Metric Weight

10 Milligrams	1 Centigram
10 Centigrams	1 Decigram
10 Decigrams	1 Gram
10 Grams	1 Decagram
10 Decagram	1 Hectogram
10 Hectograms	1 Kilogram
10 Kilograms	1 Myriagram

Metric Length

10 Millimetres	1 Centimetre
10 Centimetres	1 Decimetre
10 Decimetres	1 Metre
10 Meters	1 Decametre
10 Decametres	1 Hectometre
10 Hectometres	1 Kilometre
10 Kilometres	1 Myriametre
1 Metre	1.094 Yards, 39.371in

Metric Surface Area

1 sqmtr	1 Centiares
10 Centiares	1 Deciare
10 Deciares	1 Are, (100 sq metres)
10 Ares	1 Dekare
10 Dekares	1 Hectare (10,000 sqmtr)
100 Hectares	1 Sq km

Metric Capacity

10 Millilitres	1 Centilitre
10 Centilitres	1 Decilitre
10 Decilitres	1 Litre
10 Litres	1 Decalitre
10 Decalitres	1 Hectolitre
10 Hectolitres	1 Kilolitre

Apothecaries' Weight

Used for Dispensing Drugs, etc.

20 Grains	1 Scruple
3 Scruples	1 Dram
8 Drams	1 Ounce
12 Ounces	1 Pound

Apothecaries' Fluid Measure

60 Minims	1 Dram
8 Drams	1 Ounce
20 Ounces	1 Pint
8 Pints	1 Gallon

Troy Weight

24 Grains	1 Pennyweight
20 Pennyweight	1 Ounce (480 Grains)
12 Ounces	1 Pound (5760 Grains)

Diamonds and Pearls are weighed by Carats, of 4 grains each (equal to 3.2 Troy grains). The Troy ounce is equal to 150 Diamond Carats. Gold, when pure, is 24 Carats fine; if it contains one part alloy it is said to be 23 Carats, and so on.

Imperial Weight (Avoirdupois)

Used for General Merchandise

16 Drams	1 Ounce (437½ Grains Troy)
16 Ounces	1 Pound (7000 Grains Troy)
14 Pounds	1 Stone
28 Pounds	1 Quarter
100 Pounds	1 Cental
4 Quarters	1 Hundredweight (112 Pounds)
2000 Pounds	1 Short Ton
20 Hundredweight	1 Ton (2240 Pounds)

Avoirdupois pounds are greater than Troy in the proportion of 17 to 14 approx; Troy ounces are greater than Avoirdupois in the proportion of 79 to 72 approx.

Imperial Surface Area

144 Square inches	1 Square foot
9 Square feet	1 Square yard
30¼ Square yards	1 Square pole
40 Square poles	1 Rood
4 Roods	1 Acre
640 Acres	1 Square mile

7.92 inches is equal to one hundredth of a "Gunter's Chain" (22 yards) which is (was) commonly used by surveyors. An "Engineer's link" is equal to 12 inches and a chain is therefore 33⅓ yards (100 feet)

Imperial Cubic Capacity

1728 Cubic Inches	1 Cubic Foot
27 Cubic Feet	1 Cubic Yard
5 Cubic Feet	1 Barrel Bulk
40 Cubic Feet	1 Ton Shipping
40 Cubic Feet	1 Load Hard Timber
50 Cubic Feet	1 Load Foreign Fir

Imperial Length

3 Barleycorns	1 Inch
3 Inches	1 Palm
4 Inches	1 Hand
7.92 Inches	1 Link
9 Inches	1 Span
12 Inches	1 Foot
18 Inches	1 Cubit
30 Inches	1 Pace
3 Feet	1 Yard
37.2 Inches	1 Scottish Ell
45 Inches	1 English Ell
5 Feet	1 Geometrical Pace
6 Feet	1 Fathom
5½ Yards	1 Pole
4 Poles	1 Chain
100 Links	1 Chain
10 Chains	1 Furlong
220 Yards	1 Furlong
608 Feet	1 Cable
8 Furlongs	1 Mile (land)
10 Cables	1 Nautical Mile
1 Nautical Mile	1.1515 land Miles
1 Knot	1 Nautical Mile
3 Miles (land)	1 League

Imperial Capacity

Used for Liquids and Dry Goods

4 Gills	1 Pint
2 Pints	1 Quart
4 Quarts	1 Gallon
2 Gallons	1 Peck
4 Pecks	1 Bushel
8 Bushels	1 Quarter
5 Quarters	1 Load
36 Bushels	1 Chaldron

A bushel of wheat on an average weighs 60 pounds; of barley, 47 pounds; of oats, 40 pounds. The gallon contains 10 pounds avoirdupois of distilled water.

Decimal Capacity

Pints	Gallon	Cub.Ft.	Litres
1	0.125	0.0200	0.568
8	1.000	0.1604	4.544
16	2.000	0.3208	9.082

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Engineers Reference Data Charts

Now with 38 pages of engineering data. Each page coated with an anti-glare matt lamination to protect against the dirt and grease encountered in workshop conditions.

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"WIRO" BOUND

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- **Metric screw and hole sizes**
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- **Standard thread forms;**
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- **Dimensions of common shank types**
  Now includes screwed shank, Weldon, DIN Taper, BT Taper, ISO Taper in addition to Morse taper shank details.
- **Standards for engineering drawings**
  Comprehensive listing including contemporary listings and illustrations.
- **Abbreviations used in engineering drawings**
- **Common CNC codes**
  Comprehensive listing including contemporary listings.
- **Axis nomenclature for machine tools**
  Newly added page explaining the use of letter addresses to define directional motion.
- **Trigonometry formulae**
  Colour coded CAD produced illustrations for quick reference.
- **Sines and Cosines**
  Calculated to six decimal places with colour coded axes for quick reference.





- **Tangents and Cotangents**
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  Clear and easy to read CAD produced diagrams.
- **Bending allowances for malleable materials**
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- **Cutting speed calculator**
  Gives required RPM for known cutter diameters and cutting speeds.
- **Standard drill size conversions;**
  No & letter sizes integrated into a single chart, standard sizes are highlighted in bold text, size range extended from 25.25mm up to 32.50mm. All inch-fractional sizes converted to mm equivalent as well as inch-decimal and Morse Taper shank sizes are indicated against drill diameter ranges.
- **Abbreviations and formulae**
  Definitions of standard meanings with specific attention given to turning, milling and drilling. Comprehensive list of commonly used abbreviations.
- **Weight and measure systems, useful conversions and constants**
  A comprehensive listing of contemporary and old systems, along with the necessary conversion formulae.

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- Suitable for the drawing office, toolroom or workshop
- 9 sections
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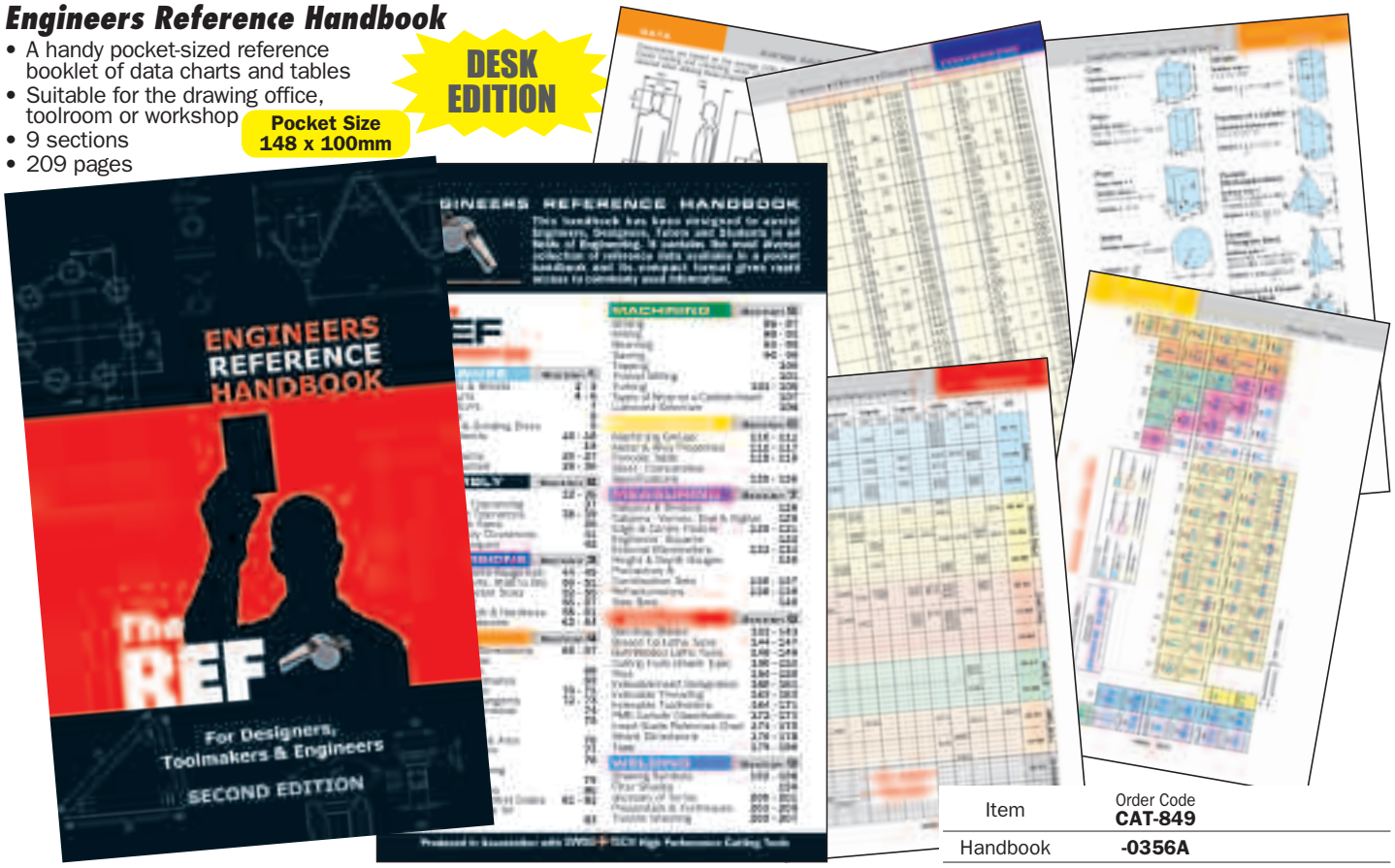

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