



Measuring & Marking Tools



Dividers & Callipers

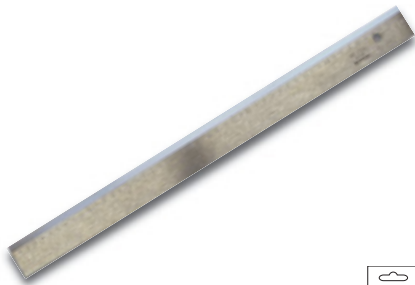
- Dividers are instruments that can be used to transfer measurements directly from a rule, to measure distances on a map, or to scribe an arc or a circle.
- Wing dividers feature a curved steel bar to separate the legs, while the distance is set with a lock nut.
- Callipers (inside or outside) work in the same way, but are designed for measurement, rather than marking.



3170

STRAIGHT EDGE

- Manufactured from carbon steel
- Made with one squared edge and one bevelled edge
- Comes in graduated (mm) or plain without graduation
- Sizes up to 2000 mm are chromated, 3000 mm lengths are finely polished



cat.-no.	length (mm)	section (mm)
Graduated (mm)		
3170-M-500	500	40 x 5
3170-M-600	600	40 x 5
3170-M-800	800	40 x 5
3170-M-1000	1000	40 x 5
3170-M-1500	1500	40 x 5
3170-M-2000	2000	40 x 5
3170-M-3000	3000	50 x 8
Plain, no graduation		
3170-P-500	500	40 x 5
3170-P-600	600	40 x 5
3170-P-800	800	40 x 5
3170-P-1000	1000	40 x 5
3170-P-1500	1500	40 x 5
3170-P-2000	2000	40 x 5
3170-P-3000	3000	50 x 8

3170-SS

STAINLESS STEEL STRAIGHT EDGE

- Stainless steel
- Finely polished
- Made with one squared edge and one bevelled edge
- Comes in graduated (mm) or plain with no graduation
- Removable positioning/carrying knob/s



cat.-no.	length (mm)	section (mm)	knobs
Graduated (mm)			
3170-M-SS-500	500	40 x 3	1
3170-M-SS-1000	1000	50 x 4	2
3170-M-SS-1500	1500	50 x 4	2
3170-M-SS-2000	2000	50 x 4	2
Plain, no graduation			
3170-P-SS-500	500	40 x 3	1
3170-P-SS-1000	1000	50 x 4	2
3170-P-SS-1500	1500	50 x 4	2
3170-P-SS-2000	2000	50 x 4	2

9027

POCKET SLIDE CALLIPER

- High quality solid brass body
- Compact and ideal for quick measurements
- Dual graduated (mm/inch)



cat.-no.	length (mm)
9027	100

3175-SS

S/STEEL STRAIGHT EDGE IN WOODEN CASE

- Stainless steel
- Finely polished
- Square on both edges
- Permanently etched graduations
- Includes calibration certificate
- Comes in wooden case
- In accordance to DIN 866/1 standards (tolerance - 0.04 mm/m)



NOTE:
Supplied with Calibration certificate.
(Tolerance - 0.04 mm/m)

cat.-no.	length (mm)	section (mm)
3175-SS-A-500	500	30 x 6
3175-SS-A-1000	1000	40 x 8

1511

WING DIVIDER

- High quality forged steel
- Heavy rivet and box joint mechanism
- All polished



cat.-no.	length (mm)
1511-150	150
1511-200	200
1511-250	250
1511-300	300
1511-400	400



1530

SPRING DIVIDER

- High carbon tool steel
- Legs pivot on a hardened fulcrum stud
- Tensioned by a bow spring
- Split quick adjusting nut
- Hardened points
- All polished



cat.-no.	nominal size (mm)
1530-200	200
1530-250	250

1545

FIRM JOINT OUTSIDE CALLIPER

- High grade sheet steel
- Rivetted friction joint
- All polished



cat.-no.	nominal size (mm)
1545-200	200
1545-250	250

1548

FIRM JOINT INSIDE CALLIPER

- High grade sheet steel
- Rivetted friction joint
- All polished



cat.-no.	nominal size (mm)
1548-200	200
1548-250	250

1531

INSIDE SPRING CALLIPER

- High carbon tool steel
- Legs pivot on a hardened fulcrum stud
- Tensioned by a bow spring
- Split quick adjusting nut
- Hardened points
- All polished



cat.-no.	nominal size (mm)
1531-200	200
1531-250	250

1532

OUTSIDE SPRING CALLIPER

- High carbon tool steel
- Legs pivot on a hardened fulcrum stud
- Tensioned by a bow spring
- Split quick adjusting nut
- Hardened points
- All polished



cat.-no.	nominal size (mm)
1532-200	200
1532-250	250

1555

SCREW PITCH GAUGE

- Featuring accurately formed thread profiles
- Designed for checking internal and external thread forms and pitch
- Locknut allows any leaf or leaves to be locked into position for use



cat.-no.	no. of blades	thread type	range
1555-M	24	Metric 60° Threads	M 0.25 – M 6.0
1555-W	28	Whitworth Std. 55° Threads	4 – 62 t.p.i.
1555-MW	52	Combination Set Metric/Whitworth	M 0.25 – M 6.0 & 4 – 62 t.p.i.
1555-SAE	30	American National (Unified) 60° Threads	4 – 42 t.p.i.

1590

FEELER GAUGE

- Precision gauge featuring tapered steel leaves
- High grade steel, tempered and polished
- Locknut allows any leaf or leaves to be locked into position for use
- Strong steel case to protect the leaves



cat.-no.	length (mm)	leaf thickness
Metric - leaf thickness x 0.01mm		
1590-M/08	100	5 10 15 20 25 30 40 50
1590-M/13	100	5 10 15 20 25 30 40 50 60 70 80 90 100
1590-M/20	100	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
Imperial - leaf thickness x 0.001inch		
1590/11	100	1 1/2 2 3 4 6 8 10 12 15 20 25
1590/20	100	2 3 4 5 6 7 8 9 10 11 12 13 14 16 18 20 22 24 30 35
1590/22	100	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

1521

PROTRACTOR

- High quality carbon steel
- Polished with lock-nut
- Graduation permanently engraved
- Range: 0°-180°

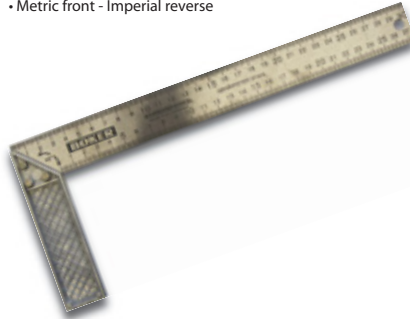


cat.-no.	width of head (mm)	length of arm (mm)
1521-080	80	120
1521-120	120	150
1521-150	150	200
1521-200	200	300

3758/2

TRY AND MITRE SQUARE

- 30 mm spring steel blade
- Etched graduation
- Dual graduated
- Metric front - Imperial reverse



cat.-no.	length
3758/2-200	200 mm / 8"
3758/2-250	250 mm / 10"
3758/2-300	300 mm / 12"

3789

SLIDING BEVEL

- Die cast stock
- Polished steel blade
- Joint locking screw

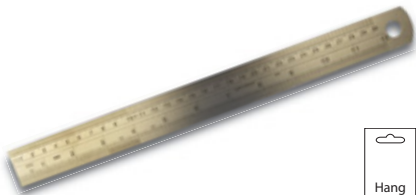


cat.-no.	length (mm)
3789-200	200
3789-250	250

9055-SS

ENGINEERS' STEEL RULE

- Hardened and tempered, stainless spring steel
- Imperial and metric graduations
- Metric figures in cm and mm
- Imperial figures in inches, 8th and 16th subdivisions
- Anti-glare finish
- Permanent black etched graduations



cat.-no.	length (mm)	width (mm)	thickness (mm)
9055-SS-300	300	30	0.8
9055-SS-500	500	30	0.8
9055-SS-1000	1000	30	0.8

3735

ENGINEERS' TRY SQUARE

- Ungraduated blade
- Carbon tool steel
- Chromed finish



cat.-no.	size (mm)	section (mm)
3735-100	100 x 70	20 x 5
3735-150	150 x 100	20 x 5
3735-200	200 x 130	22 x 5

4799

ENGINEERS' SCRIBE

- Double ended
- Hardened points
- Straight and angled points
- Knurled handle



cat.-no.	total length (mm)
4799	165



3731

MASONS' SQUARE

- All steel square
- Carbon tool steel
- Ungraduated
- Polished finish



cat.-no.	size (mm)	section (mm)
3731-400	400 x 230	28 x 5
3731-500	500 x 280	28 x 5
3731-750	750 x 380	28 x 5
3731-1000	1000 x 500	30 x 5

4802

ENGINEERS' SCRIBE

- Tungsten carbide point
- Chrome metal hexagonal body
- Pocket clip



cat.-no.	total length (mm)
4802	150





3767

SCREEDING LEVEL

- 1 horizontal and 1 plumb acrylic spirit level
- Aluminium profile with internal centre bar
- Protective plastic end-caps
- Weighs approximately 700g per metre

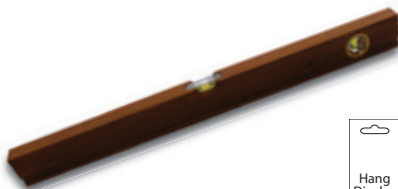


cat.-no.	length (mm)	section (mm)
3767/2-2000	2000	100 x 18
3767/2-2500	2500	100 x 18
3767/2-3000	3000	100 x 18

3769

SPIRIT LEVEL

- Full timber body
- Horizontal and vertical vial
- Solid acrylic vials

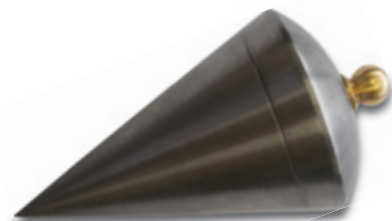


cat.-no.	length (mm)	section (mm)
3769	600	56 x 27

7602

CONICAL PLUMB BOB

- Die-cast body with steel point
- Brass screw cap (cord fitting)



cat.-no.	weight (g)
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7602-0150	150
7602-0200	200
7602-0250	250
7602-0300	300
7602-0350	350
7602-0400	400
7602-0500	500
7602-0750	750
7602-1000	1000

3773

LINE LEVEL

- Strong plastic body
- Horizontal vial
- Line hooks at each end
- Grooved flat base



cat.-no.	length (mm)
3773	80

3504

POCKET BALANCE

- Brass dial, graduated in kgs
- Galvanised hook and hang-ring
- Black lacquered body



cat.-no.	capacity (kg)
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3504-012	12.5
3504-025	25
3504-050	50
3504-060	60
3504-100	100

7603

ONION SHAPE PLUMB BOB

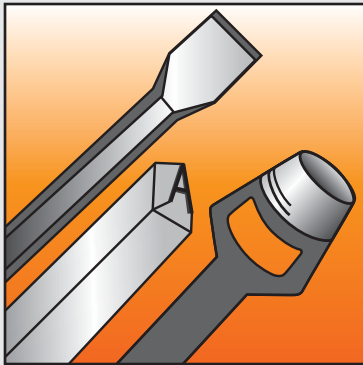
- Finely polished and lacquered
- Solid brass body with steel point
- Brass screw cap (cord fitting)



cat.-no.	weight (g)
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7603-170	170
7603-230	230
7603-350	350
7603-450	450





Striking Tools

Wad Punches

- Wad punches are designed to cut discs of gasket paper or leather.
- They are most commonly used to create washers by first cutting a disc with a larger sized wad punch and the centre hole with a smaller sized punch.

Cold Chisels

- The cold chisel is used for rough cutting cold metal.
- It can be used to chip away from a solid block, to cut through ground stock such as chain links, or to cut sheet metal or rivets.



940 / 941

LETTER & FIGURE PUNCH SET

STANDARD GRADE

For materials with tensile strength - 600-800 N/mm²
Such as:

- Wood
- Brass
- Aluminium
- Copper
- Carbon tool steel
- Bronze
- Mild steel



Letter Punch Sets - cat.-no. 940
27 piece: A - Z (Capitals and "&")

Figure Punch Sets - cat.-no. 941
9 piece: 0 - 9

letter cat.-no.	figure cat.-no.	size (mm)	shank size (mm)
940-01	941-01	1	6 x 65
940-01.5	941-01.5	1.5	6 x 65
940-02	941-02	2	6 x 65
940-02.5	941-02.5	2.5	6 x 65
940-03	941-03	3	6 x 65
940-04	941-04	4	7 x 65
940-05	941-05	5	8 x 65
940-06	941-06	6	9 x 70
940-08	941-08	8	11 x 75
940-10	941-10	10	12 x 80
940-12	941-12	12	14 x 65
940-15	941-15	15	16 x 85

945 / 946

LETTER & FIGURE PUNCH SET - EXTRA

EXTRA GRADE

For materials with tensile strength - 800-1200 N/mm²
Such as:

- Carbon alloy steel
- Stainless steel
- Acid-resistant steel



- a** "Lower Case" characters are available on special request.
- A** "Dot Style" characters for sensitive machine parts ie. in the oil and gas industry, turbines, etc. are available on special request.

Letter Punch Sets - cat.-no. 945
27 piece: A - Z (Capitals and "&")

Figure Punch Sets - cat.-no. 946
9 piece: 0 - 9

letter cat.-no.	figure cat.-no.	size (mm)	shank size (mm)
945-01	946-01	1	10 x 80
945-02	946-02	2	10 x 80
945-03	946-03	3	10 x 80
945-04	946-04	4	10 x 80
945-05	946-05	5	12 x 85
945-06	946-06	6	12 x 85
945-08	946-08	8	14 x 90
945-10	946-10	10	15 x 90
945-12	946-12	12	15 x 90
945-15	946-15	15	18 x 100

940-MR / 941-MR

MIRROR REVERSE LETTER & FIGURE PUNCH SET

STANDARD GRADE

For materials with tensile strength - 600-800 N/mm²
Such as:

- Wood
- Brass
- Aluminium
- Copper
- Carbon tool steel
- Bronze
- Mild steel

NOTE: Mirror Reverse Punches are designed for use with sheet metal. The punch impresses the character through to the opposite side of the metal, leaving a raised character.



Letter Punch Sets - cat.-no. 940-MR
27 piece: Mirror Reverse A - Z (Capitals and "&")

Figure Punch Sets - cat.-no. 941-MR
9 piece: Mirror Reverse 0 - 9

letter cat.-no.	figure cat.-no.	size (mm)	shank size (mm)
940-MR-03	941-MR-03	3	6 x 65
940-MR-04	941-MR-04	4	7 x 65
940-MR-05	941-MR-05	5	8 x 65
940-MR-06	941-MR-06	6	9 x 70
940-MR-08	941-MR-08	8	11 x 75
940-MR-10	941-MR-10	10	12 x 80
940-MR-12	941-MR-12	12	14 x 65



965

STEEL MARKING PUNCH SET

- Combined set of FIGURE & LETTER PUNCHES (Capital Letters)
- 100 piece set - includes spaces and multiples
- Solid high quality type-holder
- Hinged wooden box
- Each punch hardened to 58-60 HRC



cat.-no.	character size (mm)	punch size (mm)	max. character cap. of holder
965-01	1.0	4 x 2.0 x 19	15
965-01.5	1.5	4 x 2.0 x 19	15
965-02	2.0	4 x 2.0 x 19	15
965-02.5	2.5	6 x 2.5 x 19	15
965-03	3.0	6 x 3.0 x 19	13
965-04	4.0	8 x 4.0 x 19	10
965-05	5.0	8 x 5.0 x 19	8
965-06	6.0	8 x 6.0 x 19	6
965-08	8.0	12 x 8.0 x 19	6
965-10	10	12 x 8.0 x 19	6

920 SETS

WAD PUNCH SET

- Designed for cutting leather, cloth & other soft materials
- Precision machine ground
- Hardened and tempered
- Alloy tool steel
- Body finished in blue metallic stove enamel
- Tough vinyl roll-wallet



cat.-no.	sizes (mm)
920-SET 07	6, 8, 10, 11, 13, 16, 19
920-SET 10	6, 8, 10, 11, 13, 14, 16, 19, 22, 25

920 / 920-X

WAD PUNCH

- Designed for cutting leather, cloth & other soft materials
- Precision machine ground
- Hardened and tempered
- Alloy tool steel
- Body finished in blue metallic stove enamel

NOTE: Larger sizes up to 120mm Ø available by special order

cat.-no. 920



cat.-no. 920-X



cat.-no.	cat.-no. (carded)	size (mm)
920-02	920-X-02	2
920-03	920-X-03	3
920-04	920-X-04	4
920-05	920-X-05	5
920-06	920-X-06	6
920-07	920-X-07	7
920-08	920-X-08	8
920-09	920-X-09	9
920-10	920-X-10	10
920-11	920-X-11	11
920-12	920-X-12	12
920-13	920-X-13	13
920-14	920-X-14	14
920-15	920-X-15	15
920-16	920-X-16	16
920-17	920-X-17	17
920-18	920-X-18	18
920-19	920-X-19	19
920-20	920-X-20	20
920-21	920-X-21	21
920-22	920-X-22	22
920-23	920-X-23	23
920-24	920-X-24	24
920-25	920-X-25	25
920-26	920-X-26	26
920-28	920-X-28	28
920-30	920-X-30	30
920-32	920-X-32	32
920-33	920-X-33	33
920-35	920-X-35	35
920-38	920-X-38	38
920-41	920-X-41	41
920-44	920-X-44	44
920-48	920-X-48	48
920-50	920-X-50	50
920-55	-	55
920-60	-	60
920-65	-	65
920-70	-	70
920-75	-	75

NOTE: Other sizes or larger sizes up to 120mm Ø available by special order

910

BELT PUNCH

- Designed for punching leather, cloth & other soft materials
- Precision machine ground
- Hardened and tempered
- Alloy tool steel
- Body finished in blue metallic stove enamel



cat.-no.	size (mm)
910-01	1
910-02	2
910-03	3
910-04	4
910-05	5
910-06	6
910-07	7
910-08	8
910-09	9
910-10	10
910-11	11
910-12	12
910-13	13

988

PARALLEL PIN PUNCH

- Chrome vanadium steel
- Impact resistant head
- Octagonal stock



cat.-no.	tip diameter (mm)	overall length (mm)	stock (mm)
988-02	2	150	10
988-02.5	2.5	150	10
988-03	3	150	10
988-03.5	3.5	150	10
988-04	4	150	10
988-05	5	150	10
988-06	6	150	10
988-07	7	150	12
988-08	8	150	12
988-10	10	150	12



988/6-P

PARALLEL PIN PUNCH SET

- Chrome vanadium steel
- Impact resistant head
- Octagonal stock

tip diameter (mm)	stock (mm)
3	10
4	10
5	10
6	10
7	12
8	12



cat.-no.	overall length (mm)	pieces per set
988/6-P	150	6

990

PARALLEL PIN PUNCH

- 2 piece construction
- Precision machined chrome vanadium punch
- Steel pilot bush with knurled grip



cat.-no.	tip diameter (mm)	overall length (mm)	stock (mm)
990-00.9	0.9	80	6
990-01.4	1.4	85	6
990-01.8	1.8	88	6
990-02.4	2.4	92	8
990-02.8	2.8	96	8
990-03.4	3.4	96	8
990-03.9	3.9	100	8
990-05.9	5.9 (without bush)	100	8

990/8

PARALLEL PIN PUNCH SET

- 2 piece construction
- Precision machined chrome vanadium punch
- Steel pilot bush with knurled grip
- Heavy gauge sheet steel case
- Self-lifting magazine punch holder

tip diameter (mm)	length (mm)	stock (mm)
0.9	80	6
1.4	85	6
1.8	88	6
2.4	92	8
2.8	96	8
3.4	96	8
3.9	100	8
5.9 (without bush)	100	8



cat.-no.	pieces per set
990/8	8

4935

TAPER PUNCH

- Chrome vanadium steel
- Impact resistant head
- Octagonal stock



cat.-no.	tip diameter (mm)	overall length (mm)	stock (mm)
4935-01	1	120	10
4935-02	2	120	10
4935-03	3	120	10
4935-04	4	120	12
4935-05	5	120	12

5020

CENTRE PUNCH

- Carbon tool steel
- Impact resistant head
- Octagonal stock



cat.-no.	overall length (mm)	stock (mm)
5020-100	100	10
5020-120	120	10
5020-150	150	12

4920

CENTRE PUNCH - HEAVY STOCK

- Chrome vanadium steel
- Impact resistant head
- Octagonal stock



cat.-no.	overall length (mm)	stock (mm)
4920-10-120	120	10
4920-12-120	120	12
4920-12-150	150	12
4920-16-150	150	16

5035

NAIL PUNCH

- Carbon tool steel
- Impact resistant head
- Octagonal stock



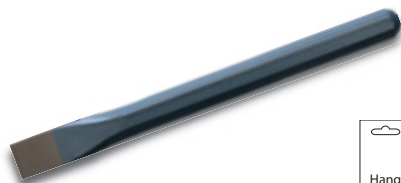
cat.-no.	point diameter (mm)	overall length (mm)	stock (mm)
5035-03	3	100	10
5035-04	4	120	10
5035-05	5	120	10



4785

COLD CHISEL

- Carbon tool steel
- Ground, hardened and tempered edge
- Octagonal stock



cat.-no.	overall length (mm)	blade width (mm)	stock (mm)
4785-125	125	10	8
4785-150	150	13	10
4785-200	200	19	15
4785-250	250	25	18
4785-300	300	25	18

4682

REGRINDABLE COLD CHISEL

- High performance on steel, welded seams, concrete etc.
- Hardened throughout entire length
- Easy to re-grind
- Ribbed channel serves as a clearance path for concrete chips etc.
- Chrome vanadium air-hardened steel
- Electro heat treated impact resistant head
- Flat oval stock



cat.-no.	overall length (mm)	blade width (mm)	stock (mm)
4682	250	30	26 x 13

4680

SLITTING CHISEL

- Chrome vanadium steel
- Impact resistant head
- Popular among builders and electricians
- Suitable for bodywork



cat.-no.	overall length (mm)	blade width (mm)	stock (mm)
4680	240	26	26 x 7

4683

ENGINEERS' COLD CHISEL

- For general work on metals etc.
- Chrome vanadium air-hardened steel
- Electro heat treated impact resistant head
- Flat oval stock



*4683-300 not available for hang display

cat.-no.	overall length (mm)	blade width (mm)	stock (mm)
4683-100	100	15	14 x 9
4683-150	150	18	17 x 11
4683-200	200	24	23 x 13
4683-250	250	24	23 x 13
4683-300	300	24	26 x 13

4688

MASONS' COLD CHISEL

- Wide edge & long slim shank specially designed for chasing
- Chrome vanadium air-hardened steel
- Electro heat treated impact resistant head
- Octagonal stock



cat.-no.	overall length (mm)	blade width (mm)	stock (mm)
4688-250	250	23	16
4688-300	300	26	18
4688-400	400	30	20

4687

MASONS' POINT CHISEL

- Diamond point suitable for concrete, masonry, stone-work etc.
- Chrome vanadium air-hardened steel
- Electro heat treated impact resistant head
- Octagonal stock



cat.-no.	overall length (mm)	stock (mm)
4687-300	300	18
4687-400	400	20

4684

CROSS CUT COLD CHISEL

- For heavy work on metals etc. in a small work area
- Chrome vanadium air-hardened steel
- Electro heat treated impact resistant head
- Flat oval stock



cat.-no.	overall length (mm)	point width (mm)	stock (mm)
4684-200	200	9	23 x 13
4684-250	250	9	23 x 13

4744

TILE CHISEL

- Tungsten carbide tip insert
- Designed for cutting hard clay and quarry tiles



cat.-no.	width of tip (mm)	square section (mm)	length (mm)
4744	12	12	90

1906

RIVET SET

- Solid steel
- Saddlers' type
- 1 mm deep cup



cat.-no.	rivet diameter (mm)	overall length (mm)
1906	5	120



Spanners & Wrenches



Pipe Wrenches

- Pipe wrenches are similar in design to adjustable wrenches, but are better suited for gripping and turning round objects such as pipe work or damaged nuts.
- The roll-nut pipe wrench, or foot print wrench, has two handles which can be fixed in several possible positions which enable it to accommodate a range of pipe sizes.
- The offset roll-nut pipe wrench makes it easier to work in confined spaces.



5929

TUBULAR BOX SPANNER - METRIC

- Heavy gauge carbon tool steel
- Round profile
- Accurately shaped hexagonal sockets
- Additional hole for tommy bar usage
- Double ended
- 39-42 HRC



cat.-no.	size (mm)	overall length (mm)	fitting tommy bar (mm)
5929-4/5	4 x 5	100	5
5929-6/7	6 x 7	100	6
5929-8/9	8 x 9	100	6
5929-8/10	8 x 10	115	6
5929-9/10	9 x 10	115	6
5929-9/11	9 x 11	115	6
5929-10/11	10 x 11	115	6
5929-10/12	10 x 12	135	8
5929-10/13	10 x 13	135	8
5929-10/14	10 x 14	135	8
5929-11/13	11 x 13	135	8
5929-11/14	11 x 14	135	8
5929-12/13	12 x 13	135	8
5929-12/14	12 x 14	135	8
5929-13/14	13 x 14	135	8
5929-13/15	13 x 15	135	8
5929-13/17	13 x 17	145	10
5929-14/15	14 x 15	135	8
5929-14/17	14 x 17	145	10
5929-16/17	16 x 17	145	10
5929-17/19	17 x 19	150	12
5929-17/22	17 x 22	160	12
5929-18/19	18 x 19	150	12
5929-19/22	19 x 22	160	12
5929-19/24	19 x 24	175	12
5929-20/22	20 x 22	160	12
5929-21/23	21 x 23	160	14
5929-22/24	22 x 24	175	14
5929-24/26	24 x 26	175	14

5929 continued

cat.-no.	size (mm)	overall length (mm)	fitting tommy bar (mm)
5929-24/27	24 x 27	175	14
5929-24/30	24 x 30	190	16
5929-25/28	25 x 28	190	16
5929-27/30	27 x 30	190	16
5929-27/32	27 x 32	190	16
5929-30/32	30 x 32	190	16
5929-30/36	30 x 36	210	18
5929-32/36	32 x 36	210	18
5929-36/41	36 x 41	210	18
5929-41/46	41 x 46	230	20
5929-46/50	46 x 50	230	20
5929-50/55	50 x 55	230	20
5929-55/60	55 x 60	230	20

5919-IMP

TUBULAR BOX SPANNER - IMPERIAL

- Heavy gauge carbon tool steel
- Round profile
- Accurately shaped hexagonal sockets
- Additional hole for tommy bar usage
- Double ended
- 39-42 HRC



cat.-no.	size (inch)	overall length (mm)	fitting tommy bar (mm)
5919-IMP-04-05	1/4 x 5/16	100	6
5919-IMP-06-07	3/8 x 7/16	120	6
5919-IMP-08-09	1/2 x 9/16	135	8
5919-IMP-10-11	5/8 x 11/16	150	10
5919-IMP-12-13	3/4 x 13/16	160	12
5919-IMP-14-15	7/8 x 15/16	180	14
5919-IMP-14-16	7/8 x 1	180	14
5919-IMP-16-17	1 x 1.1/16	180	14
5919-IMP-18-20	1.1/8 x 1.1/4	200	16

5929-T

TOMMY BAR

- Heavy gauge carbon tool steel
- Round profile
- Can be used with tubular box spanners and tubular nut spinners



cat.-no.	size (mm)
5929-T-1	6, 8, 10, 12 (4 steps)
5929-T-2	6, 8, 10, 12, 14 (5 steps)

5929 & 5919

TUBULAR BOX SPANNER SET

- Heavy gauge carbon tool steel
- Round profile
- Accurately shaped hexagonal sockets
- Additional hole for tommy bar usage
- Double ended
- Includes tommy bar & tool roll



cat.-no.	sizes	no. of pieces
5929/6	METRIC 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 mm	6 + tommy bar
5929/8	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 mm	8 + tommy bar
5919/6	IMPERIAL 1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 5/8 x 11/16, 3/4 x 13/16, 7/8 x 15/16 inch	6 + tommy bar



3252

HEXAGON NUT DRIVER - SPINTITE

- Extra deep, chrome vanadium socket
- Solid, carbon steel shaft
- Transparent shockproof plastic handle
- Available in Metric, SAE, and BA sizes



cat.-no.	size	overall length
Metric Sizes		
	(mm)	(mm)
3252-MX-04	4	215
3252-MX-04.5	4.5	215
3252-MX-05	5	215
3252-MX-05.5	5.5	215
3252-MX-06	6	215
3252-MX-07	7	225
3252-MX-08	8	225
3252-MX-09	9	225
3252-MX-10	10	225
3252-MX-11	11	235
3252-MX-12	12	235
3252-MX-13	13	235
3252-MX-14	14	235
SAE Sizes		
	(inch)	(mm)
3252-AX-5/32	5/32	215
3252-AX-6/32	3/16	215
3252-AX-7/32	7/32	215
3252-AX-8/32	1/4	215
3252-AX-9/32	9/32	225
3252-AX-10/32	5/16	225
3252-AX-11/32	11/32	225
3252-AX-12/32	3/8	225
3252-AX-14/32	7/16	235
3252-AX-16/32	1/2	235
BA Sizes		
	(No.)	(mm)
3252-BX-10	BA 10	215
3252-BX-09	BA 9	215
3252-BX-08	BA 8	215
3252-BX-07	BA 7	215
3252-BX-06	BA 6	215
3252-BX-05	BA 5	215
3252-BX-04	BA 4	215
3252-BX-03	BA 3	225
3252-BX-02	BA 2	225
3252-BX-01	BA 1	225
3252-BX-00	BA 0	225

3255-MX

FLEXIBLE HEXAGON NUT DRIVER

- Extra deep, chrome vanadium socket
- Flexible shaft
- Heavy chrome plated finish
- Handles ergonomically shaped for optimal torque transfer and user comfort



cat.-no.	size (mm)	length (mm)
3255-MX-6	6	125
3255-MX-7	7	125
3255-MX-8	8	125
3255-MX-10	10	125

5927-MX

HEAVY DUTY NUT SPINNER

- Chrome molybdenum steel
- Hardened, chromed & anchored in shockproof handle
- Plastic handle
- Additional hole for tommy bar usage from 6mm

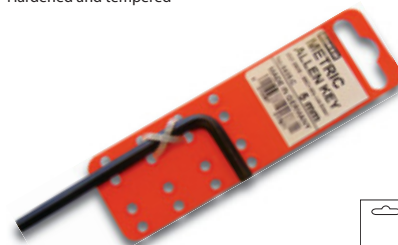


cat.-no.	size (mm)	overall length (mm)	fitting tommy bar (mm)
5927-MX-03	3	210	N/A
5927-MX-04	4	210	N/A
5927-MX-04.5	4.5	210	N/A
5927-MX-05	5	210	N/A
5927-MX-05.5	5.5	210	N/A
5927-MX-06	6	220	6
5927-MX-07	7	220	6
5927-MX-08	8	220	6
5927-MX-09	9	220	6
5927-MX-10	10	230	6
5927-MX-11	11	230	6
5927-MX-12	12	230	8
5927-MX-13	13	230	8
5927-MX-14	14	240	8
5927-MX-15	15	240	8
5927-MX-16	16	240	8
5927-MX-17	17	240	8

6435-CX

METRIC HEXAGON KEY WRENCH - DISPLAY

- Chrome vanadium steel
- Gun metal finish
- Hardened and tempered



cat.-no.	size (SW) (mm)	length (X x Y) (mm)
6435-CX-01.5	1.5	45 x 14
6435-CX-02	2	50 x 16
6435-CX-02.5	2.5	56 x 18
6435-CX-03	3	63 x 20
6435-CX-04	4	70 x 25
6435-CX-05	5	80 x 28
6435-CX-06	6	90 x 32
6435-CX-07	7	95 x 34
6435-CX-08	8	100 x 36
6435-CX-10	10	112 x 40
6435-CX-12	12	125 x 45

6435-D

METRIC HEXAGON KEY WRENCH

- Special tool steel
- Gun metal finish

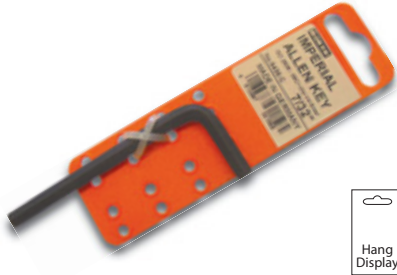


cat.-no.	size (SW) (mm)	length (X x Y) (mm)
6435-D-01.5	1.5	45 x 14
6435-D-02	2	50 x 16
6435-D-02.5	2.5	56 x 18
6435-D-03	3	63 x 20
6435-D-03.5	3.5	68 x 22
6435-D-04	4	70 x 25
6435-D-04.5	4.5	75 x 27
6435-D-05	5	80 x 28
6435-D-05.5	5.5	85 x 30
6435-D-06	6	90 x 32
6435-D-07	7	95 x 34
6435-D-08	8	100 x 36
6435-D-09	9	105 x 38
6435-D-10	10	112 x 40
6435-D-12	12	125 x 45
6435-D-13	13	132 x 50
6435-D-14	14	140 x 55
6435-D-17	17	160 x 63
6435-D-19	19	180 x 70

6436-CX

IMPERIAL HEXAGON KEY WRENCH - DISPLAY

- Chrome vanadium steel
- Gun metal finish
- Hardened and tempered



cat.-no.	size (SW) (inch)	length (X x Y) (mm)
6436-CX-04/64	1/16	44 x 14
6436-CX-05/64	5/64	47 x 15
6436-CX-06/64	3/32	51 x 16
6436-CX-08/64	1/8	57 x 19
6436-CX-10/64	5/32	63 x 21
6436-CX-12/64	3/16	70 x 24
6436-CX-14/64	7/32	76 x 26
6436-CX-16/64	1/4	82 x 28
6436-CX-20/64	5/16	95 x 31
6436-CX-24/64	3/8	108 x 35
6436-CX-32/64	1/2	133 x 41

6436-D

IMPERIAL HEXAGON KEY WRENCH

- Special tool steel
- Gun metal finish



cat.-no.	size (SW) (inch)	length (X x Y) (mm)
6436-D-03/64	3/64	40 x 12
6436-D-04/64	1/16	44 x 14
6436-D-05/64	5/64	47 x 15
6436-D-06/64	3/32	51 x 16
6436-D-07/64	7/64	54 x 18
6436-D-08/64	1/8	57 x 19
6436-D-09/64	9/64	60 x 20
6436-D-10/64	5/32	63 x 21
6436-D-12/64	3/16	70 x 24
6436-D-14/64	7/32	76 x 26
6436-D-16/64	1/4	82 x 28
6436-D-18/64	9/32	92 x 31
6436-D-20/64	5/16	95 x 31
6436-D-22/64	11/32	102 x 35
6436-D-24/64	3/8	108 x 35
6436-D-28/64	7/16	115 x 40
6436-D-32/64	1/2	133 x 41

6465-C/8

METRIC HEXAGON KEY WRENCH SET

- Chrome vanadium steel
- Sturdy sliding plastic storage box
- Gun metal finish

sizes (SW) (mm)
2
2.5
3
4
5
6
8
10



cat.-no.	pieces per set
6465-C/8	8

6466-C/8

IMPERIAL HEXAGON KEY WRENCH SET

- Chrome vanadium steel
- Sturdy sliding plastic storage box
- Gun metal finish

sizes (SW) (inch)
5/64
3/32
1/8
5/32
3/16
1/4
5/16
3/8



cat.-no.	pieces per set
6466-C/8	8

6440

METRIC ALLEN KEY SET

- Chrome vanadium steel
- Gunmetal finish

sizes (SW) (mm)	
8 pce.	10 pce.
1.5	1.5
2	2
2.5	2.5
3	3
4	4
5	5
6	5.5
8	6
	8
	10



cat.-no.	style	pieces per set
6440/8	keyring	8
6440/10	keyring	10

6441

IMPERIAL ALLEN KEY SET

- Chrome vanadium steel
- Gunmetal finish

sizes (SW) (inch)	
8 pce.	10 pce.
1/16	1/16
5/64	5/64
3/32	3/32
1/8	1/8
5/32	5/32
3/16	3/16
7/32	7/32
1/4	1/4
	5/16
	3/8



cat.-no.	style	pieces per set
6441/8	keyring	8
6441/10	keyring	10





1443

ROLL-NUT PIPE WRENCH - STRAIGHT

- Form-pressed steel with reinforced drop forged jaws
- Black enamelled finish



*1443-360 not available for hang display

cat.-no.	overall length (mm)	max. capacity (mm)
1443-180	180	25
1443-230	230	40
1443-280	280	50
1443-320	320	65
1443-360	360	75

1447

ROLL-NUT PIPE WRENCH - OFFSET

- Form-pressed steel with reinforced drop forged jaws
- Black enamelled finish



cat.-no.	overall length (mm)	max. capacity (mm)
1447-180	180	25
1447-230	230	40
1447-320	320	65

2978

PILLAR COCK WRENCH

- Chrome vanadium steel
- Self adjusting jaw
- Suitable for left and right hand use
- Claw faces are serrated and hardened for optimal grip



cat.-no.	max. capacity (mm)	length of bar to swivel handle (mm)
2978	32	240

6893

STRAP WRENCH

- Strong lever handle
- Non-slip bonded rubber strap
- Ideal for chromed or polished pipes & oil filters.



cat.-no.	size no.	capacity (mm)	handle length (mm)	strap width (mm)
6893	1	30 - 160	230	22
6893	2	30 - 240	230	25

181

CHAIN PIPE WRENCH

- Lightweight utility wrench
- Unique shaped, double-toothed jaw
- Grips round, square or irregular shapes
- Chrome vanadium steel



cat.-no.	capacity (mm)	length (mm)
181	12 - 100	340

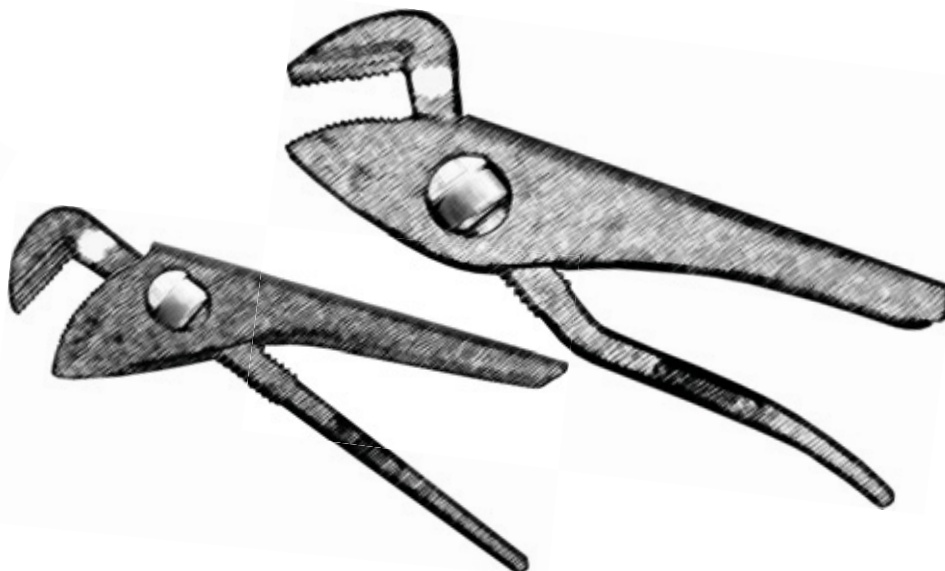
180

HEAVY DUTY - CHAIN PIPE WRENCH

- Bi-jaw reversible head
- High tensile steel flat-link chain
- Hardened gripping surfaces
- Fast and strong locking on round and irregular shapes
- Drop forged steel



cat.-no.	size no.	capacity (mm)	length (mm)
180-31	31	6 - 50	510
180-32	32	12 - 75	690





Pliers and Cutters

Engineer's Pliers

- Engineer's Pliers are the standard style of pliers, and are widely used because of their variety of functions.
- The flat serrated jaw is used to grip and bend thin sheet metal.
- The curved section of the jaw is designed for gripping round section metal rod. A pair of side cutters are located just in front of the pivot for the greatest effectiveness.



2041-SGI

COMBINATION PLIERS

- Induction hardened cutting edges
- Serrated jaws
- Milled pipe grip
- Special alloy tool steel
- Satin chrome plated for maximum rust protection
- Heavy duty slide guard insulated handles

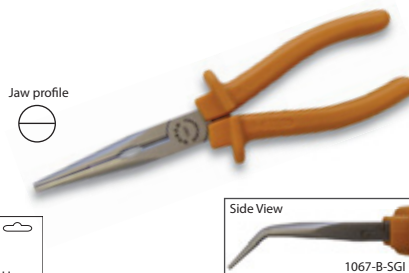


cat.-no.	length (mm)
2041-SGI-160	160
2041-SGI-180	180
2041-SGI-200	200

1067-SGI

LONG NOSE PLIERS

- Hardened and tempered jaw
- Suitable for both hard and soft wire
- Special alloy tool steel
- Heavy duty slide guard insulated handles
- Comes straight or bent



cat.-no.	length (mm)	angle
1067-SGI-170	170	straight
1067-SGI-200	200	straight
1067-B-SGI-200	200	45°

1345-SGI

HEAVY DUTY DIAGONAL CUTTING NIPPERS

- Induction hardened cutting edges
- Suitable for all types of wire including piano wire
- Special alloy tool steel
- Satin chrome plated for maximum rust protection
- Heavy duty slide guard insulated handles



cat.-no.	length (mm)
1345-SGI-170	170
1345-SGI-200	200

128-SGI

SHEAR PLIERS

- Induction hardened cutting edges
- Serrated jaws
- Milled pipe grip
- Shearing jaw
- Wire cutters suitable for medium-hard wires $\leq 2\text{mm } \varnothing$
- Special alloy tool steel
- Finely polished head
- Heavy duty slide guard insulated handles



cat.-no.	length (mm)
128-SGI	200

1304-SGI

DIAGONAL SIDE CUTTING NIPPERS

- Induction hardened cutting edges
- Suitable for both hard and medium-hard wires
- Special alloy tool steel
- Satin chrome plated for maximum rust protection
- Heavy duty slide guard insulated handles



cat.-no.	length (mm)
1304-SGI-130	130
1304-SGI-160	160

1347-SGI

HEAVY DUTY END CUTTING NIPPERS

- Induction hardened cutting edges
- Suitable for all types of wire including piano wire
- Special alloy tool steel
- Satin chrome plated for maximum rust protection
- Heavy duty slide guard insulated handles



cat.-no.	length (mm)
1347-SGI	170



1094-SGI

STRIPPING PLIERS

- Precision machined and sharpened V-jaws
- Suitable for solid wire up to 5 mm OD, or stranded wire up to 10mm²
- Special alloy tool steel
- Heavy duty slide guard insulated handles



Hang Display

cat.-no.	length (mm)
1094-SGI	160

1344

LEVER SIDE CUTTING NIPPERS

- Heavy duty
- Compound-lever design
- Oil hardened cutting edges
- Suitable for all types of wire including piano wire




Hang Display

cat.-no.	length (mm)
1344-190	190
1344-225	225

1029

CARPENTERS' PINCERS

- Oil hardened
- Bright polished head
- Japanned handles
- Special tool steel



Hang Display

cat.-no.	length (mm)
1029-180	180
1029-200	200
1029-220	220
1029-250	250

5319-SGI

**MULTIGRIP PLIERS
SLIP JOINT PATTERN**

- Heavy duty chrome vanadium construction
- Pipe grip jaws
- Hardened teeth
- 6 adjustment positions
- Chrome plated
- Heavy duty slide guard insulated handles




Hang Display

cat.-no.	length (mm)
5319-SGI	240

1330

LEVER END CUTTING NIPPERS

- Heavy duty
- Compound-lever design
- Oil hardened cutting edges
- Suitable for all types of wire including piano wire



Hang Display

cat.-no.	length (mm)
1330-215	215
1330-235	235

3675

CONCRETE WORKERS' PINCERS

- Designed for twisting and cutting tie wire
- Oil hardened
- Bright polished head
- Japanned handles
- Special tool steel




Hang Display

cat.-no.	length (mm)
3675-220	220
3675-250	250

5315

**MULTIGRIP PLIERS
NOTCH JOINT PATTERN**

- Heavy duty chrome vanadium construction
- Pipe grip jaws
- Hardened teeth
- Positive, spring-loaded notched adjustment
- 5 adjustment positions
- Chrome plated
- Chequered handles



Hang Display

cat.-no.	length (mm)
5315	250

1350

BARBED WIRE CUTTERS

- Oil hardened
- Induction hardened cutting edges
- Special alloy tool steel



Hang Display

cat.-no.	length (mm)
1350-200	200
1350-260	260

1825

TILERS' PINCERS

- Heavy duty pincers
- Suitable for breaking thick tiles
- Oil hardened
- Special tool steel



Hang Display

cat.-no.	length (mm)	width of head (mm)
1825	225	18



1278-C / 1279-C

JEWELLERS' / PRECISION ASSEMBLY PLIERS

- Chain nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Available in 2 styles

Jaw profile



cat.-no.	length (mm)	jaw finish
1278-C	130	finely serrated
1279-C	130	smooth

1185-C

ELECTRONIC ASSEMBLY PLIERS

- Chain nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Smooth ground gripping surfaces
- Leaf spring

Jaw profile



cat.-no.	length (mm)
1185-C	115

1186

DIAGONAL SIDE CUTTING NIPPERS

- Electronic cutting nippers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Leaf spring
- Oval jaw

Jaw profile



cat.-no.	length (mm)
1186	115

1278-F / 1279-F

JEWELLERS' / PRECISION ASSEMBLY PLIERS

- Flat nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Available in 2 styles

Jaw profile



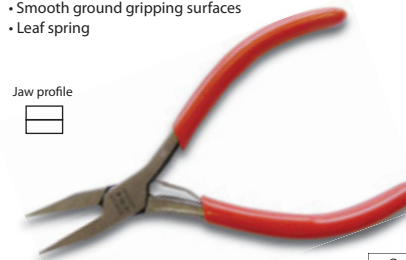
cat.-no.	length (mm)	jaw finish
1278-F	130	finely serrated
1279-F	130	smooth

1185-F

ELECTRONIC ASSEMBLY PLIERS

- Flat nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Smooth ground gripping surfaces
- Leaf spring

Jaw profile



cat.-no.	length (mm)
1185-F	115

1182

DIAGONAL SIDE CUTTING NIPPERS

- Electronic cutting nippers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Leaf spring
- Angular jaw

Jaw profile



cat.-no.	length (mm)
1182	115

1278-R / 1279-R

JEWELLERS' / PRECISION ASSEMBLY PLIERS

- Round nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Available in 2 styles

Jaw profile



cat.-no.	length (mm)	jaw finish
1278-R	130	finely serrated
1279-R	130	smooth

1185-R

ELECTRONIC ASSEMBLY PLIERS

- Round nose pliers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Smooth ground gripping surfaces
- Leaf spring

Jaw profile



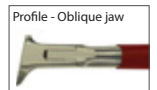
cat.-no.	length (mm)
1185-R	115

1188

END CUTTING NIPPERS

- Electronic cutting nippers
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel
- Leaf spring
- Oblique jaw

Jaw profile



cat.-no.	length (mm)
1188	120



1181

CHAIN NOSE ASSEMBLY PLIERS

- Ideal for precision assembly work
- Flat round jaw pliers with extra fine slim points
- Box joint construction = zero play
- Matte polished heads
- Special alloy tool steel
- Finely serrated gripping surfaces
- Double leaf spring



cat.-no.	overall length (mm)
1181	145

1272

SNIPE NOSE ASSEMBLY PLIERS

- Ideal for precision assembly work
- Mechanics' long nose taper pliers without cutter
- Smooth ground jaws
- Box joint construction = zero play
- Matte polished heads
- Special alloy tool steel
- Finely serrated gripping surfaces
- Double leaf spring



cat.-no.	overall length (mm)
1272	170

1320

PRECISION MECHANICS' / JEWELLERS' CUTTERS

- Diagonal side cutting nippers
- Precision induction hardened cutting edges
- Box joint construction = zero play
- Matte polished heads
- Special alloy steel



cat.-no.	overall length (mm)
1320	130

1018-S

INTERNAL CIRCLIP PLIERS - STRAIGHT

COMPRESSING - FOR INSIDE RINGS

- Precision points - ground and hardened
- Gun metal finish
- Chrome vanadium steel



cat.-no.	size number	length (mm)	capacity (mm)
1018-S-J0	J 0 'Micro'	140	8 - 13
1018-S-J1	J 1	140	12 - 25
1018-S-J2	J 2	170	19 - 60
1018-S-J3	J 3	220	40 - 100
1018-S-J4	J 4	320	85 - 140

1018-B

INTERNAL CIRCLIP PLIERS - BENT

COMPRESSING - FOR INSIDE RINGS

- Precision points - ground and hardened
- Gun metal finish
- Chrome vanadium steel



cat.-no.	size number	length (mm)	capacity (mm)
1018-B-J01	J 01 'Micro'	130	8 - 13
1018-B-J11	J 11	130	12 - 25
1018-B-J21	J 21	160	19 - 60
1018-B-J31	J 31	210	40 - 100
1018-B-J41	J 41	300	85 - 140

1008-S

EXTERNAL CIRCLIP PLIERS - STRAIGHT

EXPANDING - FOR OUTSIDE RINGS

- Precision points - ground and hardened
- Gun metal finish
- Chrome vanadium steel



cat.-no.	size number	length (mm)	capacity (mm)
1008-S-A0	A 0 'Micro'	140	3 - 10
1008-S-A1	A 1	140	10 - 25
1008-S-A2	A 2	170	19 - 60
1008-S-A3	A 3	220	40 - 100
1008-S-A4	A 4	320	85 - 140

1008-B

EXTERNAL CIRCLIP PLIERS - BENT

EXPANDING - FOR OUTSIDE RINGS

- Precision points - ground and hardened
- Gun metal finish
- Chrome vanadium steel



cat.-no.	size number	length (mm)	capacity (mm)
1008-B-A01	A 01 'Micro'	130	3 - 10
1008-B-A11	A 11	130	10 - 25
1008-B-A21	A 21	160	19 - 60
1008-B-A31	A 31	210	40 - 100
1008-B-A41	A 41	300	85 - 140



1401

PIPE JAW GRIP PLIERS

- Heavy gauge, hardened plate steel body
- Chrome vanadium steel jaws
- 2 mm capacity wire cutter incorporated
- Nickel plated for maximum corrosion protection



cat.-no.	length (mm)	max. capacity (mm)
1401-180	180	35
1401-250	250	50
1401-300	300	65

1408

SHEET GRIP JAW PLIERS

- Heavy gauge, hardened plate steel body
- Chrome vanadium steel jaws
- Open jaw style allows room for welding torch or electrode
- Nickel plated for maximum corrosion protection



cat.-no.	length (mm)	max. capacity (mm)
1408	280	55

1030

FARRIERS' PINCERS

- Drop forged and fully hardened carbon tool steel
- Black japanned, with polished head



cat.-no.	length (mm)	opening (mm)	head width (mm)
1030	300	45	22

1402

STRAIGHT JAW GRIP PLIERS

- Heavy gauge, hardened plate steel bodies
- Chrome vanadium steel jaws
- Nickel plated for maximum corrosion protection



cat.-no.	length (mm)	max. capacity (mm)
1402	250	40

1410

C-CLAMP GRIP PLIERS

- Heavy gauge, hardened plate steel body
- Chrome vanadium steel jaws
- Spot grip style for close-up work
- Large jaw ideal for awkward, bulky shapes, angle irons, I-beams etc.
- Nickel plated for maximum corrosion protection



cat.-no.	length (mm)	max. capacity (mm)	throat depth (mm)
1410-280	280	90	80
1410-460	460	240	260

4949

**FARRIERS' PARERS
ANVIL CUTTING ACTION**

- Drop forged and fully hardened carbon tool steel
- Black japanned, with polished head



cat.-no.	length (mm)	opening (mm)
4949	300	32

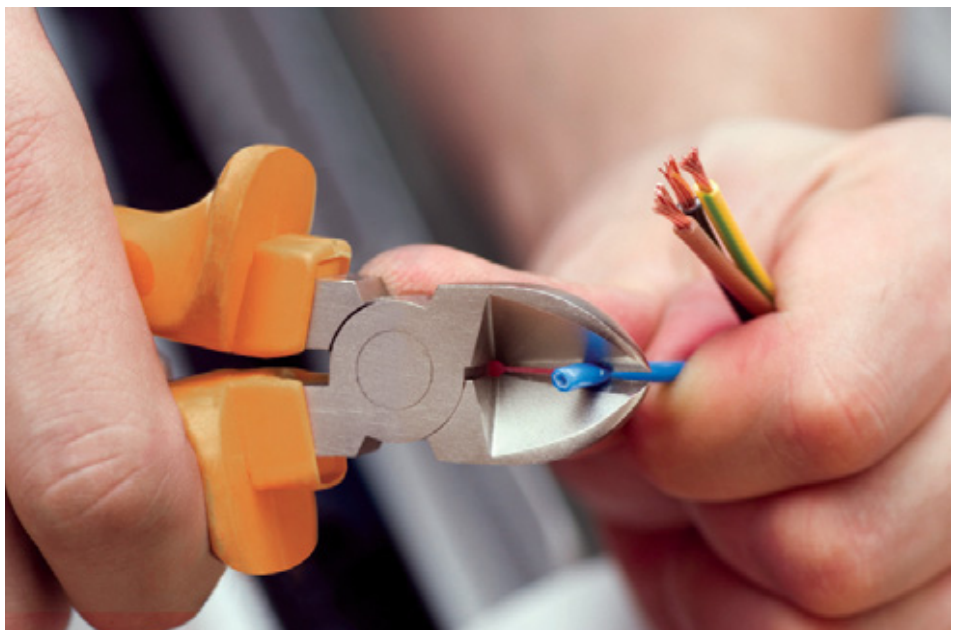
1403

MULTI SHAPE GRIP PLIERS

- Heavy gauge, hardened plate steel body
- Chrome vanadium steel jaws
- Nickel plated for maximum corrosion protection
- Profiled jaws suitable for round, hexagonal, square and irregular profiles



cat.-no.	length (mm)	max. capacity (mm)
1403	250	45





5537

GLASS NIBBLING AND GROZING PLIERS

- Special glass breaking pliers
- Ideal for breaking off narrow strips to a scored line or finishing glass edges
- Special tool steel
- Jaw surface finely serrated and hardened



cat.-no.	length (mm)	width of jaws (mm)
5537	160	10

5535

GLAZIERS' PLIERS

- Heavy duty broad-jaw pliers
- Suitable for breaking thick glass
- Special tool steel
- Coarse serration of inside surface



cat.-no.	length (mm)	width of jaws (mm)
5535	200	30

5826

SAW SET PLIERS

- Carbon tool steel
- 35 mm saw guide



cat.-no.	length (mm)
5826	180

1425 / 1426 / 1427

BLACKSMITHS' TONGS

- Heavy duty pattern
- Hardened and tempered
- Lap joint construction with high tensile rivet
- Carbon tool steel
- Black japanned finish



1425
Jaw profile



1426
Jaw profile



1427
Jaw profile

cat.-no.	length (mm)	mouth
1425	500	flat open
1426	500	hollow bit
1427	500	universal

1435 / 1436 / 1437

TINSMITHS' PLIERS

- Heavy duty pattern
- Hardened and tempered
- Lap joint construction with high tensile rivet
- Carbon tool steel
- Black japanned finish



1435 - Straight



1436 - Bent 45°



1437 - Bent 90°

cat.-no.	jaw width (mm)	jaw shape	length (mm)
1435-60	60	straight	280
1435-80	80	straight	300
1436-60	60	45° bent	260
1436-80	80	45° bent	300
1437-80	80	90° bent	270

1920-INS

FENCING PLIERS

- Combination fencing tool - hammer head, staple beak, pincer and clamp
- Carbon tool steel
- Hardened joint cutters suitable for standard fencing wire up to 4 mm Ø



cat.-no.	length (mm)
1920-INS	260

9072-N

LEAD SEALING PLIERS

- Heavy duty
- Nickel plated
- Suited for 2 hand use



cat.-no.	length (mm)	diameter dies (mm)
9072-N-170	170	10
9072-N-190	190	11
9072-N-220	220	12

440-N

REVOLVING PUNCH PLIERS

- Sturdy pressed steel construction
- 6 replaceable punches
- Punch capacity from 2.0 to 4.5 mm Ø
- Suitable for punching leather, plastics, carding etc.



cat.-no.	overall length (mm)	finish
440-N	210	nickel plated

445-N

LEVER ACTION REVOLVING PUNCH PLIERS

- 70% less power needed
- Sturdy pressed steel construction with plastic handles
- 6 replaceable punches
- Punch capacity from 2.0 to 4.5 mm Ø
- Suitable for punching leather, plastics, carding etc.



cat.-no.	overall length (mm)	finish
445-N	250	nickel plated

1463

PIPE CUTTER

- Sturdy die-cast body
- Single fast cutting wheel and two guide rollers
- Cut pipes are ready for threading or jointing



cat.-no.	capacity (mm)
1463-050	3 - 50
1463-100	30 - 100 with auxiliary handle for two person use

1464

TUBE CUTTER

- Sturdy die-cast body
- Single fast cutting wheel and two guide rollers
- Large adjusting wheel
- Deburrer incorporated in handle



cat.-no.	capacity (mm)
1464	3 - 32

1465

MINI TUBE CUTTER

- Suitable for fast cutting of thin-wall tube
- Requires a turning radius of only 40 mm



cat.-no.	capacity (mm)
1465	3 - 16

1387

BOLT CUTTERS

- Jaws made from special tool steel
- Induction hardened cutters
- High tensile bolts
- For cutting hard, medium and soft materials



cat.-no.	overall length (mm)	cutting capacity	
		soft up to 785N/mm ² (HRC 20) (mm)	medium hard up to 1225N/mm ² (HRC 38) (mm)
1387-330	330	7	5
1387-460	460	10	7
1387-620	620	12	9
1387-780	780	13	10

1370

CABLE CUTTERS

- Insulated handles
- Designed for copper and multi-strand cables
- Ideal for use in electrical work



cat.-no.	length (mm)
1370	200

1720-CP

WASHER CUTTER

- Professional pattern cutter with heavy steel arm and body
- Bright polished
- Lacquered hardwood handle
- For cutting leather, rubber, plastics etc.



cat.-no.	max. diameter cut (mm)
1720-CP-200	200
1720-CP-400	400
1720-CP-600	600





5353

DUCKBILL PATTERN TIN SNIPS

- Electronically hardened cutting edges
- Precision, double ground and set blades
- 60 - 62 HRC hardness
- Suitable for stainless steel, chrome-nickel steel, etc.
- Pointed blades ideal for starting cuts in guttering work
- Cuts straight and wide curves
- Cranked handles leave hands clear of material



cat.-no.	cutting direction	grade	length (mm)
5353-R-280	right	extra heavy duty	280
5353-L-280	left	extra heavy duty	280

5351

PELICAN PATTERN TIN SNIPS

- Electronically hardened cutting edges
- Precision, double ground and set blades
- Heavy duty passing shear
- 60 - 62 HRC hardness
- Suitable for stainless steel, chrome-nickel steel, etc.
- Cuts straight and wide curves
- Cranked handles leave hands clear of material



cat.-no.	cutting direction	grade	length (mm)
5351	right	extra heavy duty	350

5356

HOLE CUTTING TIN SNIPS

- Electronically hardened cutting edges
- Precision, double ground and set blades
- Pointed blade allows starting cut in any position
- Blades designed for cutting tight curves and holes
- 60 - 62 HRC hardness
- Suitable for stainless steel, chrome-nickel steel, etc.



cat.-no.	cutting direction	grade	length (mm)
5356-R-300	right	extra heavy duty	300
5356-L-300	left	extra heavy duty	300

5331

ENGLISH PATTERN TIN SNIPS

- Electronically hardened cutting edges
- Precision, double ground and set blades
- General purpose design
- Hardened to 54 - 56 HRC
- Straight cutting blades



cat.-no.	length (mm)
5331-S-200	200
5331-S-250	250
5331-S-300	300

5330

U.S. PATTERN TIN SNIPS - SCISSOR GRIP

- Electronically hardened cutting edges
- Precision, double ground and set blades
- Bow eye, vinyl coated handles for optimal safety
- Hardened to 54 - 56 HRC
- Straight cutting blades



cat.-no.	length (mm)
5330	300

5059

UNIVERSAL SNIPS

- Hardened stainless steel blades
- One serrated blade for better grip
- Self opening spring and lock catch
- Suitable for use on paper, plastics, leather, cloth, string, cardboard, flowers, thin metal sheet & soft wire



cat.-no.	length (mm)
5059-140	140
5059-190	190

5062

TAILORS' SHEARS

- Professional heavy duty trimmers
- Suitable for cloth, upholstery, technical fabrics, canvas etc.
- High carbon cutlery steel
- Polished blades
- Tempered and precision ground for long lasting edge
- Nut and bolt assembly can be adjusted



cat.-no.	length (mm)
5062-210	210
5062-235	235
5062-260	260
5062-310	310
5062-LH-260	260 (left hand)

3890

JEWELLERS' SNIPS - STRAIGHT BLADES

- Designed for fine work and materials such as silver, copper aluminium, tin plate etc.
- Hollow ground, hardened blades
- Open handle type



cat.-no.	length (mm)
3890	175

3891

JEWELLERS' SNIPS - CURVED BLADES

- Designed for fine work and materials such as silver, copper aluminium, tin plate etc.
- Hollow ground, hardened blades
- Suitable for cutting circles
- Open handle type



cat.-no.	length (mm)
3891	175



2730

AUTOMATIC WIRE STRIPPERS

- Fully insulated
- Self adjusting
- 0.2 - 6.0 mm² cross section capacity
- Quick-set length stop adjustable from 8 - 12 mm
- Side cutter with 2 mm capacity
- Slim mouth enables stripping in confined spaces



cat.-no. length (mm)

2730 200

7345

SECATEURS

- Traditional pattern
- Features volute spring & locking device
- Drop forged steel
- Bright polished



cat.-no. length (mm)

7345 210

9023

SHEEP SHEARS

- Finest quality hand shears
- High carbon tool steel, precision hollow ground, honed and polished
- Rivetted double bow spring for strength and control



cat.-no.	length (mm)	blade length (mm)	style
9023-295	295	140	dagging shears
9023-310	310	155	lamb shears

8093

PROFESSIONAL GLASS CUTTER

- High quality turret head
- Precision, diamond ground tungsten carbide cutting wheel
- Plastic handle



cat.-no. cutting capacity (mm)

8093 2 - 12

8098

PROFESSIONAL GLASS CUTTER - 6 WHEEL

- High quality turret head
- Six cutting wheel head
- Wooden body
- Original 'SILBERSCHNITT'



cat.-no. length (mm)

8098 130

8094

D.I.Y. GLASS CUTTER - 6 WHEEL

- Six cutting wheel head
- Wooden body



cat.-no. length (mm)

8094 130

8096

HEAVY DUTY GLASS CUTTER

- High quality turret head
- American pattern single cutting wheel
- Wooden handle



cat.-no. length (mm)

8096 130

8097

HEAVY DUTY GLASS CUTTER

- High quality turret head
- American pattern single cutting wheel
- Metal body with ball end



cat.-no. length (mm)

8097 130

8081

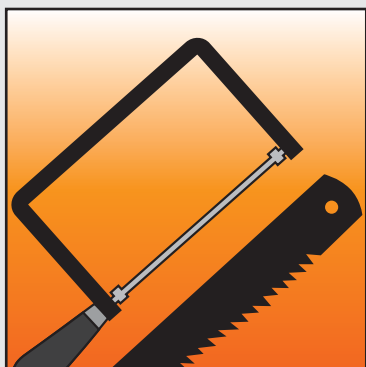
CIRCULAR GLASS CUTTER

- Describes and cuts perfect circles
- Six cutting wheel head
- Brass construction
- Rubber suction pad
- 'SILBERSCHNITT' cutting wheels



cat.-no. adjustable capacity (mm)

8081-600 50-600



Saws

Coping & Fret Saws

- Coping saws are designed for cutting intricate curves and different shapes in wood.
- When fitted with different blades, they can be used to cut metal or ceramics.
- Fret saws are similar to coping saws, but have a smaller frame and blade for detailed cutting.

Bow Saws

- Bow saws have 2-3 teeth per inch for rapid cutting of green wood.



160

COPING SAW

- Ideal for cutting curves and shapes in soft material
- Hardwood handle turns to tension blade
- Nickel plated frame



cat.-no.	blade length (mm)	overall length (mm)
160	160	300

187

MINI HACKSAW

- Ideal for small and tricky cuts in metal
- Shockproof plastic handle
- 10 x 5 mm flat profile chromated steel frame



cat.-no.	blade length (mm)	overall length (mm)
187	150	250

166

FRET SAW FRAME

- Black enamelled
- Lacquered wooden handle
- Made from 13 mm Ø steel tube
- Cutting depth - 320 mm



cat.-no.	blade length (mm)	overall length (mm)
166	130	270

470

COPING SAW BLADES

- High quality steel blade
- 15 teeth per inch
- Teeth shaped and set to ensure speed of cutting and ease of turning
- Pin end
- Fits cat.-no. 160 Coping saws and other standard frames



cat.-no.	length, pin to pin (mm)	blades per pack
470	160	12

187-B

MINI HACKSAW - BENT

- Bent frame - suitable for working in narrow spaces
- Ideal for small and tricky cuts in metal
- Shockproof plastic handle
- 10 x 5 mm flat profile chromated steel frame

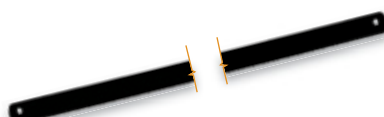


cat.-no.	blade length (mm)	overall length (mm)
187-B	150	250

477

MINI HACKSAW BLADES

- Standard pin end blade for use in all mini hacksaws



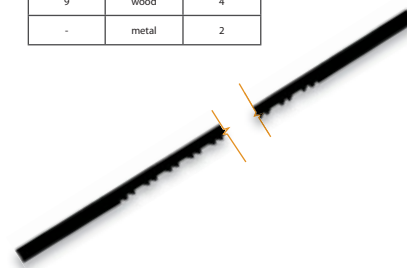
cat.-no.	length, pin to pin (mm)	width (mm)	blades per pack
477	150	6	12

473

ASSORTED FRET SAW BLADES

- Specifically designed for cutting wood/metal
- Packed in plastic display pouch

blade size	blade style	no. supplied
1	wood	4
3	wood	4
5	wood	4
7	wood	4
9	wood	4
-	metal	2



cat.-no.	length, pin to pin (mm)	blades per pack
473	130	22 assorted



67

PRUNING SAW

- Adelaide Pattern
- Tempered, set and sharpened crucible cast steel blade
- Waxed beech handle
- Fastened with two extra strong rivets



cat.-no.	blade length (mm)	overall length (mm)
67	350	490

103

PRUNING SAW

- Multi-purpose duplex pattern
- Two toothed cutting edges
- Tempered, set and sharpened crucible cast steel blade
- Closed beech handle
- Fastened with two extra strong rivets



cat.-no.	blade length (mm)	overall length (mm)
103	350	465

152

PRUNING BOW SAW

- Nordic toothed hard point blade supplied
- Cuts green wood without binding
- Strong oval steel tubular frame
- Quick release blade tension lever



cat.-no.	blade length (mm)
152	530
152.01	spare blade

144/P-SS

BUTCHERS' SAW

- Stainless steel frame
- Unbreakable, heat and acid resistant plastic handle
- Supplied with blade, tension nut and blade holding pins
- Spares available on request



cat.-no.	blade length (mm)	overall length (mm)
144/P-SS-400	400	570
144/P-SS-450	450	620
144/P-SS-500	500	670
144.01	spare 400mm blade	-
144.02	spare 450mm blade	-
144.03	spare 500mm blade	-

143/P

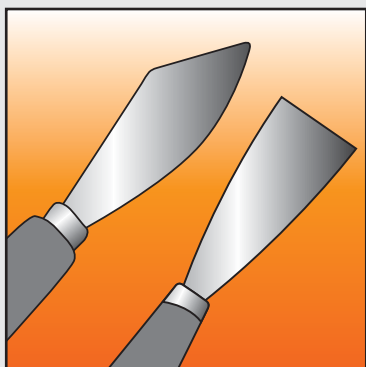
BUTCHERS' SAW

- Carbon steel frame
- Unbreakable, heat and acid resistant plastic handle
- Supplied with blade, tension nut and blade holding pins
- Spares available on request



cat.-no.	blade length (mm)	overall length (mm)
143/P-400	400	570
143/P-450	450	620
143/P-500	500	670
143.01	spare 400mm blade	-
143.02	spare 450mm blade	-
143.03	spare 500mm blade	-





Scrapers & Knives

Putty Knives

- Primarily used for shaping and smoothing putty in the replacement of window glass, they can also be used to apply filler to cracks in plasterboard, and wood putty to timber.

Paint Scrapers

- Also known as stripping knives, they feature a semi-rigid, wide edged blade designed for removing old wallpaper or paint which is unsuitable for painting over.



1749

PAINT SCRAPER

- Taper ground, semi-rigid blade, hardened and tempered
- Oblique cut
- Lacquered oval beech handle



cat.-no.	blade width (mm)	overall length (mm)
1749-30	30	210
1749-40	40	210
1749-50	50	210
1749-60	60	210
1749-70	70	220
1749-80	80	225
1749-100	100	230

1748

RUST REMOVER

- Short, rigid steel blade
- Edge honed and sharpened
- Lacquered oval beech handle



cat.-no.	blade width (mm)	overall length (mm)
1748-40	40	170
1748-60	60	170
1748-80	80	190

1729

LEAD KNIFE - STRAIGHT BLADE

- Sharpened, forged steel blade
- Brass tang
- Rosewood handle



cat.-no.	blade width (mm)	overall length (mm)
1729	40	200

1730

LEAD KNIFE - CURVED BLADE

- Curved steel blade
- Securely fixed to handle with three rivets



cat.-no.	blade length (mm)	overall length (mm)
1730	95	210

1741

PUTTY KNIFE

- Clip point blade for applying and finishing putty
- Lacquered oval beech handle



cat.-no.	blade length (mm)
1741	100

1725

STRIPPING KNIFE

- Forged steel blade
- Blade finely taper ground and spring tempered
- Brass bolster
- Rosewood handle



cat.-no.	blade width (mm)	overall length (mm)
1725	30	200

1731

LEAD KNIFE - CURVED BLADE

- Curved steel blade
- Securely fixed to handle with three rivets
- Lead weighted handle



cat.-no.	blade length (mm)	overall length (mm)
1731	95	210



1765

SHAVE HOOK - TRIANGLE

- For stripping paint from pipes, mouldings, window frames etc.
- Triangular blade
- Extra strong, sharp edged, hardened blade
- Securely locked to solid steel rod
- Beech wood handle



cat.-no.	cutting edge (mm)
1765	60

1766

SHAVE HOOK - TEARDROP

- For stripping paint from pipes, mouldings, window frames etc.
- Teardrop shaped blade
- Extra strong, sharp edged, hardened blade
- Securely locked to solid steel rod
- Beech wood handle



cat.-no.	cutting edge (mm)
1766	80

3702

BUTCHERS' CLEAVER

- High grade steel, hardened, tempered & finely polished
- 4.5 mm thick blade
- Ergonomically formed plastic handle, fixed with brass screws & can be removed for cleaning



cat.-no.	cutting edge (mm)	handle (mm)	weight (g)
3702	250	170	1100

1758

HACKING KNIFE

- Heavy steel blade with ground cutting edge
- Grooved, broad striking back
- Leather handle



cat.-no.	blade length (mm)
1758	100

1758-P

HACKING KNIFE

- Heavy steel blade with ground cutting edge
- Broad striking back
- Textured plastic handle



cat.-no.	blade length (mm)
1758-P	100

3932

BUDDING KNIFE

- High carbon cutlery steel
- Black vulcanized fibre scales
- Body assembled using brass rivets



cat.-no.	handle length (mm)	edge length (mm)
3932	100	50

10020

LAMB MARKING KNIFE

- Strong pointed marking blade
- Testicle removing hook
- Hardwood handle



cat.-no.	blade length (mm)	overall length (mm)
10020	80	250





3824

ENGINEERS' SCRAPER

- Designed for removal of high spots on machined surfaces, bearings, marking out plates etc.
- High carbon alloy steel
- Lacquered beech wood handle



cat.-no.	blade length (mm)	blade style
3824	200	three square hollow

3827

ENGINEERS' SCRAPER

- Designed for removal of high spots on machined surfaces, bearings, marking out plates etc.
- High carbon alloy steel
- Lacquered beech wood handle



cat.-no.	blade length (mm)	blade style
3827	200	bearing, three edge

3826

ENGINEERS' SCRAPER

- Designed for removal of high spots on machined surfaces, bearings, marking out plates etc.
- High carbon alloy steel
- Lacquered beech wood handle



cat.-no.	blade length (mm)	blade style
3826	200	flat

3825

ENGINEERS' SCRAPER

- Designed for removal of high spots on machined surfaces, bearings, marking out plates etc.
- High carbon alloy steel
- Lacquered beech wood handle



cat.-no.	blade length (mm)	blade style
3825	200	three square solid

3828

ENGINEERS' SCRAPER

- Designed for removal of high spots on machined surfaces, bearings, marking out plates etc.
- High carbon alloy steel
- Lacquered beech wood handle



cat.-no.	blade length (mm)	blade style
3828	200	spoon, two edge

2736

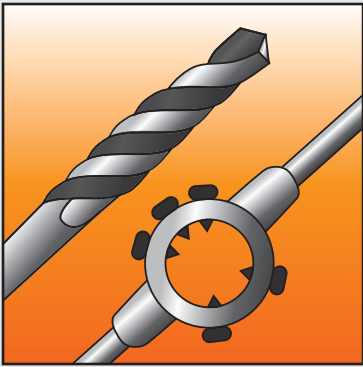
CABLE STRIPPER

- Stripper plus slitting knife
- Swivel blade
- Adjustable cutting depth
- Spare blade in handle



cat.-no.	capacity Ø (mm)	handle length (mm)
2736	8 - 28	120

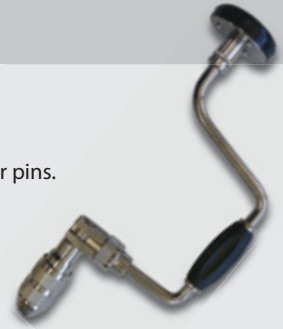




Drills, Taps & Dies

Braces, Drills & Drill Bits

- The carpenters' brace first appeared in early 15th Century Europe.
- Until 1859, drill bits were either fixed, or held in place with wedges or pins.
- The hand drill was developed in France or Germany, and was first shown in 1816. It featured bevel gear wheels with a 1:1 ratio and was driven by a small crank.
- Drills bits work in a number of ways, twist drills cut off small shavings, while masonry bits grind away small particles to bore a hole.



2551

HEAVY DUTY HAND DRILL

- Strong metal body
- Semi-enclosed, double pinioned gear wheels
- Three-jaw chuck
- Hardened and precision machined jaws
- Lacquered hardwood handles



cat.-no.	capacity (mm)
2551	10

2574

BREAST DRILL

- Heavy duty construction
- Two speed, totally enclosed steel gears
- Self-centering three-jaw chuck
- Side handle
- Baked enamel finish



cat.-no.	capacity (mm)
2574-10	10
2574-13	13

655

HSS MACHINE COUNTERSINK BIT

- Precision countersink bits
- Suitable for all ferrous and non-ferrous materials
- Three 90° angle cutters
- Machined from high speed steel (HSS)



Hang Display

cat.-no.	Ø size (mm)	shank Ø (mm)	length (mm)
655-08	8.3	6	40
655-10	10.4	6	45
655-12	12.4	8	45
655-16	16.5	10	47
655-20	20.5	10	50

2553

HAND DRILL

- Strong metal body
- Single pinioned gear wheel
- Three-jaw chuck
- Hardened and precision machined jaws



Hang Display

cat.-no.	capacity (mm)
2553	6

2443 / 2457

RATCHET BRACE

- Traditional hand-powered brace
- Smooth running ball-bearing handle
- Keyless 3 or 4 jaw chuck
- Mechanism boxed ratchet to switch direction of rotation
- Heavy duty steel construction



Hang Display

cat.-no.	length (mm)	chuck type	capacity (mm)
2443	360	3 jaw	13
2457	360	4 jaw	13

652-3

HOBBYIST COUNTERSINK BIT SET

- Rose head countersink bits set
- Suitable for wood, soft metals, plastics etc.
- Five 90° angle cutters
- Machined from carbon tool steel

Ø size (mm)	shank Ø (mm)	length (mm)
10	6	50
13	8	50
16	8	50



Hang Display

cat.-no.	pieces in set
652-3	3



9920

SOFTWOOD DRILL BIT SET

- Chrome vanadium steel bits
- Brad point
- Two cutting edges
- Special ground-edge flute



cat.-no.	pieces per set	drill diameter range (mm)
9920/5	5	4, 5, 6, 8, 10
9920/8	8	3, 4, 5, 6, 7, 8, 9, 10

9944

HSS TWIST DRILLS SET

- Plastic case
- Clearly marked drill compartments
- Includes cat.-no. 685 drill bits



cat.-no.	pieces per set	drill diameter range (mm)
9944-M/13	13	1.5, 2.0, 2.5, 3.0, 3.3, 3.5, 4.0, 4.2, 4.5, 5.0, 5.5, 6.0, 6.5

9942

HSS TWIST DRILLS SET

- Heavy gauge sheet steel case
- Self-lifting magazine drill holders
- Clearly marked drill compartments
- Includes cat.-no. 685 drill bits



cat.-no.	pieces per set	drill diameter range (mm)
9942-19	19	1 - 10 (in 0.5 mm increments)
9942-25	25	1 - 13 (in 0.5 mm increments)
9942-41	41	6 - 10 (in 0.1 mm increments)
9942-50	50	1 - 5.9 (in 0.1 mm increments)

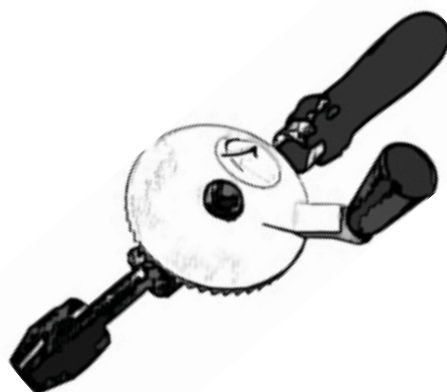
685

HSS TWIST DRILL

- High speed steel
- Manufactured according to DIN 338
- Straight shank drill, right hand
- 118° universal point



cat.-no.	diameter (mm)	overall length (mm)
685-01	1	34
685-01.5	1.5	40
685-02	2	49
685-02.5	2.5	57
685-03	3	61
685-03.5	3.5	70
685-04	4	75
685-04.5	4.5	80
685-05	5	86
685-05.5	5.5	93
685-06	6	93
685-06.5	6.5	101
685-07	7	109
685-07.5	7.5	109
685-08	8	117
685-08.5	8.5	117
685-09	9	125
685-09.5	9.5	125
685-10	10	133
685-10.5	10.5	133
685-11	11	142
685-11.5	11.5	142
685-12	12	151
685-12.5	12.5	151
685-13	13	151



660-X / 661-X / 662-X

MASONRY DRILL

- Tungsten carbide tipped, galvanised
- Manufactured according to DIN 8039 (ISO 5468)
- Suitable for use in rotary and percussion drills
- Three series:
 - Standard; cat.-no. 660-X
 - Long; cat.-no. 661-X (overall length - 200 mm)
 - Extra Long; cat.-no. 662-X (overall length - 400 mm from 12mm Ø hexagon shank)



cat.-no.	diameter (mm)	overall length (mm)
Standard Length Series		
660-X-03	3	61
660-X-03.5	3.5	65
660-X-04	4	74
660-X-04.5	4.5	74
660-X-05	5	84
660-X-05.5	5.5	85
660-X-06	6	100
660-X-06.5	6.5	100
660-X-07	7	110
660-X-08	8	115
660-X-10	10	125
660-X-12	12	140
660-X-13	13	140
660-X-14	14	150
660-X-16	16	150
660-X-20	20	160
Long Series		
661-X-08	8	200
661-X-10	10	200
661-X-12	12	200
661-X-14	14	200
Extra Long Series		
662-X-08	8	400
662-X-10	10	400
662-X-12	12	400
662-X-16	16	400
662-X-20	20	400
662-X-22	22	400
662-X-26	26	400
662-X-28	28	400
662-X-30	30	400

486

SCREW EXTRACTOR SET

- For extracting broken screws and studs
- Chrome vanadium steel

size-no	1	2	3	4	5	6
for screws	M 3 - 6 1/8 - 1/4	M 6 - 8 1/4 - 5/16	M 8 - 11 5/16 - 7/16	M 11 - 14 7/16 - 9/16	M 14 - 18 9/16 - 3/4	M 18 - 24 3/4 - 1
Ø twist drill	mm 2.5	3	4.5	6	8	11

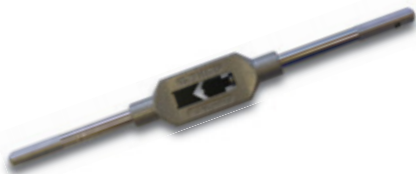


cat.-no.	pieces per set	for screws
486/5	5	M 3 - 18 (sizes 1, 2, 3, 4, 5)
486/6	6	M 3 - 24 (sizes 1, 2, 3, 4, 5, 6)

1472

TAP WRENCH

- Precise adjusting mechanism
- Two hardened steel jaws
- Polished handles with chequered grips



cat.-no.	size no.	tap capacity (mm)	tap capacity (inch)	length (mm)
1472-00	0	1 - 8	1/16 - 1/4	130
1472-01	1	1 - 10	1/16 - 3/8	190
1472-1.1/2	1 1/2	1 - 12	1/16 - 1/2	215
1472-02	2	3.5 - 12	5/32 - 1/2	280
1472-03	3	5 - 20	7/32 - 3/4	380
1472-04	4	11 - 27	7/16 - 1	500

1470

T PATTERN TAP WRENCH

- Designed for use with small taps, drills, reamers etc.
- Ratchet action; forward, reverse and lock
- Two jaw hardened chuck
- Sliding T-bar handle
- Chrome plated finish



cat.-no.	size no.	capacity (mm)	for tap shanks	
			DIN	ISO
1470-01	1	2.0 - 5.0	M 3 - 8	M 1 - 6
1470-02	2	4.6 - 8.0	M 5 - 12	M 6 - 12

1470-LONG

T PATTERN TAP WRENCH - LONG

- Designed for use with small taps, drills, reamers etc.
- Ratchet action; forward, reverse and lock
- Extended shaft
- Two jaw hardened chuck
- Sliding T-bar handle
- Chrome plated finish



cat.-no.	size no.	capacity (mm)	length (mm)
1470-01-LONG	1-Long	2.0 - 5.0	250
1470-02-LONG	2-Long	4.6 - 8.0	315

1471

T PATTERN TAP WRENCH

- Designed for use with small taps, drills, reamers etc.
- Fixed two jaw chuck
- Sliding T-bar handle
- Gun metal finish



cat.-no.	size no.	capacity (mm)	for tap shanks	
			DIN	ISO
1471-01	1	2.0 - 5.0	M 3 - 8	M 1 - 6
1471-02	2	4.6 - 8.0	M 5 - 12	M 6 - 12

1475-M

DIE STOCK HOLDER METRIC SIZING

- For use with circular button dies
- Accurately ground stock
- 5 screw adjustment



cat.-no.	die holder dimension (mm)	overall length (mm)
1475-M-16/5	16 x 5	200
1475-M-20/5	20 x 5	200
1475-M-20/7	20 x 7	200
1475-M-25/9	25 x 9	225
1475-M-30/11	30 x 11	280
1475-M-38/10	38 x 10	315
1475-M-38/14	38 x 14	315
1475-M-45/14	45 x 14	450
1475-M-45/18	45 x 18	450
1475-M-55/16	55 x 16	560
1475-M-55/22	55 x 22	560

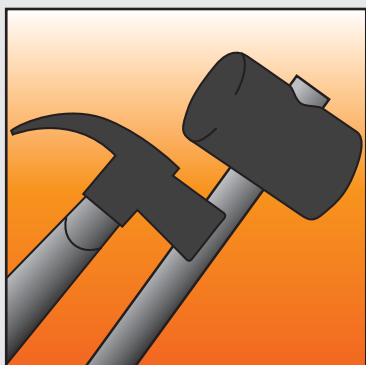
1475-IMP

DIE STOCK HOLDER IMPERIAL SIZING

- For use with circular button dies
- Accurately ground stock
- 3 screw adjustment



cat.-no.	die holder dimension (inch)	overall length (mm)
1475-IMP-13/16	13/16 x 1/4	200
1475-IMP-01	1 x 3/8	225
1475-IMP-1.1/2	1.1/2 x 1/2	325
1475-IMP-02	2 x 5/8	470



Hammers

Hammers

- Hammers have been in use since the Stone Age. Over the centuries, they have evolved from a simple stone held in the hand, through the square sectioned iron head and a wedge shaped pein of the Middle Ages, into the high quality tool in use today.
- Modern hammers are designed for different tasks, and feature drop forged, high carbon tool steel heads, and ergonomically designed handles.



2009-B

CLAW HAMMER

- High grade tool steel
- Hardened and tempered face and claw
- Striking face precision shaped
- Ash handle



cat.-no.	head weight (g)	head weight (oz)	face diameter (mm)
2009-B-450	450	16	25
2009-B-560	560	20	27

2050

FINE HAMMER – MAGNETIC FACE

- Permanent magnet fitted to the striking face
- Nail pulling claw
- Ash handle



cat.-no.	complete weight (g)	face diameter (mm)	head length (mm)
2050	210	12	115

2008

CROSS-PEIN HAMMER

- Precision ground
- Hardened pein and head
- Ash handle



cat.-no.	head weight (g)
2008-125	125
2008-180	180
2008-240	240
2008-300	300
2008-450	450

2018-H

NAILER HAMMER WITH NAIL HOLDER

- High grade tool steel
- Hardened and tempered face and claw
- Striking face precision shaped
- Magnetic nail holder - inset in striking face



cat.-no.	head weight (g)	face diameter (mm)
2018-H	560	27

2025

FARRIERS' HAMMER

- American pattern with round face
- High grade tool steel
- Hardened and tempered face and claw
- Striking face precision shaped
- Ash handle



cat.-no.	head weight (g)	face diameter (mm)
2025	250	13

2019

BOILER SCALING HAMMER

- Chipping and scaling hammer
- Drop forged steel
- Double chisel head
- Ash handle



cat.-no.	head weight (g)
2019	500



2061

DEAD-BLOW HAMMER

- Hollow metal head, partially filled with metal shot preventing rebound on the strike
- Tubular steel handle
- Shock-absorbent rubber grip



cat.-no.	face Ø (mm)	weight (g)
2061-35	35	700
2061-40	40	800
2061-50	50	1300

2033

TILERS' / GLAZIERS' HAMMER

- Head with square face and cutting pein
- Chromed for optimal rust protection
- Beech handle



cat.-no.	weight (g)
2033	75

2066

RUBBER MALLET

- Semi-hard (90° shore) rubber head
- Head can easily be re-dressed
- Will not crack, chip or dry out
- Self locking ash handle



cat.-no.	face Ø (mm)	head length (mm)
2066-50	50	90
2066-60	60	115
2066-70	70	130
2066-85	85	140

2071

SOFT FACE HAMMER

- Die cast metal head with screw in faces
- Both faces in transparent cellidor
- Ash handle



cat.-no.	face Ø (mm)	approx weight (g)
2071-22	22	140
2071-27	27	215
2071-32	32	310
2071-40	40	530
2071-50	50	900

2031

UPHOLSTERERS' HAMMER

- Non-magnetic round face hammer
- High grade steel
- Nail pulling claw
- Tubular steel handle with comfortable rubber grip



cat.-no.	complete weight (g)	face diameter (mm)	head length (mm)
2031	220	12	120

2066-W

RUBBER MALLET

- Semi-hard (90° shore) rubber head
- Head can easily be re-dressed
- Will not crack, chip or dry out
- Self locking ash handle
- White (non-marking) rubber head



cat.-no.	face Ø (mm)	head length (mm)
2066/W-70	70	130
2066/W-85	85	140

2072

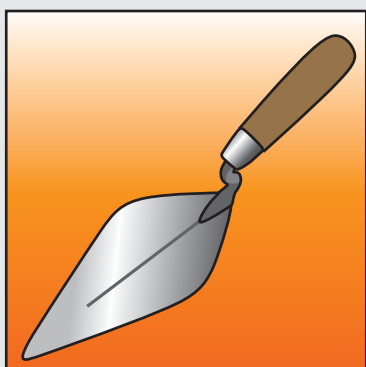
SOFT FACE HAMMER

- Die cast metal head with screw in faces
- One face in transparent cellidor
- One face in durable nylon
- Ash handle



cat.-no.	face Ø (mm)	approx weight (g)
2072-22	22	140
2072-27	27	215
2072-32	32	310
2072-40	40	530
2072-50	50	900





Trowels

- The most common form of trowel is the London pattern brick trowel, which has a flat, roughly triangular blade, which angles back at the heel to meet the tang.
- The blade is made for right or left handed use, with a flat edge for lifting mortar from a board and a curved, hardened edge for cutting bricks. The handle is often capped with steel for tapping bricks into place.
- Continental pattern trowels have a shorter, wider blade and are square across the heel with a triangular or rounded toe.



1716-RH

BRICKLAYERS' TROWEL

- High grade steel, hardened and tempered
- Fully taper-ground for maximum strength and flexibility
- Finely polished surface
- Welded steel end-cap for brick tapping
- Standard heel pattern
- Beech handle



cat.-no.	blade length x width (mm)	style
1716-RH	300 x 130	right hand

1625

GAUGING TROWEL

- High grade steel, hardened and tempered
- Fully taper-ground for maximum strength and flexibility
- Finely polished surface
- High rise tang
- Beech handle



cat.-no.	blade length x width (mm)
1625-150	150 x 80
1625-175	175 x 90
1625-200	200 x 100
1625-225	225 x 110

1774

PLASTERERS' SMALL TOOL

- Leaf and square design
- Flexible spring steel blades
- Fine pointed end for cleaning and opening cracks
- Square end for spreading and applying filler



cat.-no.	squared end width (mm)	overall length (mm)
1774-10	10	200
1774-14	14	210
1774-16	16	220
1774-20	20	230
1774-26	26	255

1611

POINTING TROWEL

- High grade steel, hardened and tempered
- Fully taper-ground for maximum strength and flexibility
- Finely polished surface
- Button end cap
- Beech handle



cat.-no.	blade length x width (mm)
1611-150	150 x 60
1611-175	175 x 75

4992

PLASTERERS' FINISHING TROWEL

- Hardened, spring tempered and finely polished blade
- Lightweight aluminium hang
- Two component soft grip handle



cat.-no.	blade length x width (mm)
4992	280 x 130

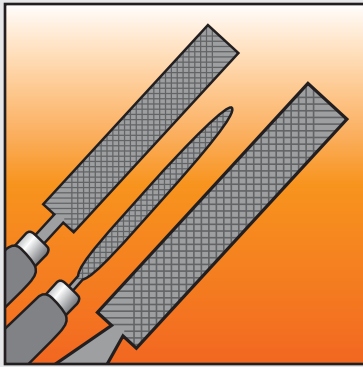
1605

MASTIC TROWEL

- Designed for setting silicon sealants and similar applications
- Narrow, flexible, spring steel blade
- Lacquered beech handle



cat.-no.	blade width (mm)	blade length (mm)
1605-6	6	180
1605-8	8	180
1605-10	10	180
1605-12	12	180
1605-16	16	180



Files

- Files are used to smooth metal and wood, remove burrs and local irregularities, to enlarge and finish holes and slots and to sharpen cutting tools.
- Files are classified by their cut and degree of coarseness. This is determined by the number of teeth per inch. In general, the longer a file is the coarser it is.
- There are four generally accepted levels of coarseness: bastard; medium coarse, with 26 teeth per inch; medium smooth, with 36 teeth per inch and smooth, with 60 teeth per inch.
- Files can be single cut, double cut, or curved.



6900 / 6901 / 6902

FLEXIBLE BODY FILE

- File*
- Quick action turn-buckle contours the blade to suit the shape of work - concave, flat or convex
 - Die-cast zinc handles
- Blade*
- 350 mm double sided flexible blade
 - Nine radial milled teeth per inch



cat.-no.	description
6900	Holder complete with blade
6901	Holder only
6902	Blade only

851/5

LOCKSMITHS' FILE SET

- Includes 6 different styles of file
- Wooden handles
- Plastic storage wallet
- Single cut



Profiles



cat.-no.	blade length (mm)	pieces per set
851/5	100	6

9070

FILE CLEANING BRUSH

- Hardened steel wire carding
- Cotton backed
- Wooden handle



cat.-no.	working area (mm)	length (mm)
9070	110 x 40	245

859

MAGNETO FILES

- Ideal for cleaning electrical contacts, points, etc.
- Six identical files in tear-off pouches
- Double cut



cat.-no.	length (mm)	pieces
859	150	6

882/6

NEEDLE FILE SET

- Round shank files
- For intricate work
- Plastic storage wallet
- All double cut



Profiles



cat.-no.	total length (mm)	pieces
882/6	140	6

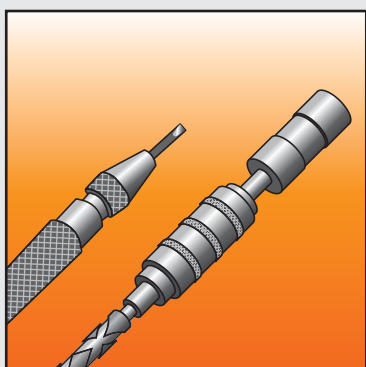
1460

RETHREADING FILE

- Useful for restoring or cleaning both internal and external threads
- 8 pitches per thread type
- Zinc chromated special tool steel



cat.-no.	thread type	itches (t.p.i.)	range
1460-M	Metric	0.80 - 3.00	5 - 27mm
1460-A	S.A.E. (UNF - UNC)	24 - 11	3/8" - 1 1/8" UNF 1/4" - 5/8" UNC
1460-W	Whitworth (BSW - BSF)	24 - 10	3/16" - 3/4" BSW 3/8" - 1" BSF
1460-G	Gas	28 19 14 11	1/8" 1/4" - 3/8" 1/2" - 7/8" 1" and over



Screwdrivers

Jewellers' Screwdriver

- Especially designed for fine work, such as watch-making, jewellery and fine electronics.

Spiral Ratchet Screwdriver

- The spiral grooves along the length of the screwdriver produce a turning force at the tip when pressure is applied to the handle. The spring loaded handle returns when pressure is released. This results in a significantly faster action than that of a standard screwdriver.



4807-C-MH

SPIRAL RATCHET SCREWDRIVER

- Chrome plated
- Automatic returning spiral
- Selector for left and right hand rotation
- Locking ring
- Internal bushings made from bronze
- Supplied with magnetic bit holder for 1/4" hex bits (cat.-no. 4807.51 or 4807.52)



cat.-no.	size no.	chuck Ø (mm)	extended length (mm)
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4807-C-MH-135A	135A	5.5	330
4807-C-MH-130A	130A	7.0	480

Spare magnetic 1/4" bit holder

cat.-no.	to suit	shank Ø (mm)	hex
4807.51	135A	5.5	1/4"
4807.52	130A	7.0	1/4"

3227

SPARKPLUG TESTER

- Insulated blade sheath
- Transparent plastic handle
- Metal pocket clip
- Plastic cap



cat.-no.	overall length (mm)	blade length (mm)
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3227	120	45
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3234 / 3236

SAFETY VOLT TESTER

- Plastic body with pocket clip
- VDE tested
- Testing range between 125 - 250 volts A.C.



cat.-no.	overall length (mm)
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3234	190
3236	150

3226

MAINS TESTING SCREWDRIVER

- Insulated blade sheath
- Transparent plastic handle
- Metal pocket clip
- Magnifying lens



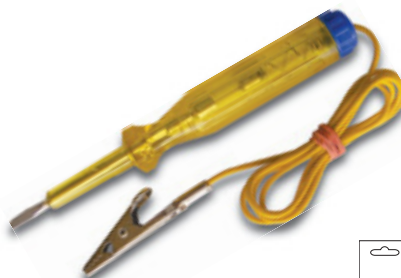
cat.-no.	overall length (mm)	blade length (mm)	type of head
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3226	120	45	brass cap
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3228

CAR ELECTRIC CIRCUIT TESTER

- Insulated blade sheath
- Transparent plastic handle
- Plastic cap
- Testing range between 6 - 24 volts D.C.
- 750mm insulated cable with alligator clip



cat.-no.	overall length (mm)	blade length (mm)
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3228	120	45
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3223

JEWELLERS' SCREWDRIVER MAGAZINE TYPE WITH CHUCK

- Hardened tool steel blades
- Light-weight metal body
- Steel chuck
- Revolving hexagonal head
- Excellent for precision assembly
- 4 blades - stored in handle
- Supplied in plastic pouch

blade style	blade width (mm)
	1.5
	2.0
	2.5
	3.0



cat.-no.	length (mm)	blades
3223	115	4

3222

JEWELLERS' SCREWDRIVER STRAIGHT SLOT

- Hardened tool steel blades
- Light-weight metal bodies
- Revolving hexagonal head
- Excellent for precision assembly
- 6 piece set
- Supplied in plastic pouch

blade style	blade width (mm)	length (mm)
	1.0	85
	1.5	92
	1.8	101
	2.3	109
	2.9	119
	3.6	125



cat.-no.	pieces per set
3222	6

3218

JEWELLERS' SCREWDRIVER STRAIGHT SLOT / PHILLIPS HEAD

- Hardened tool steel blades
- Light-weight metal bodies
- Revolving hexagonal head
- Excellent for precision assembly
- 4 slotted / 2 Phillips head
- Supplied in plastic pouch

blade style	blade width (mm)	length (mm)
	1.5	92
	1.8	101
	2.3	109
	2.9	119
	2.0	100
	3.0	121



cat.-no.	pieces per set
3218	6





Speciality Tools

Tracing Wheel

- Designed for use in leather work, the tracing wheel marks out an evenly spaced line for stitching.
- An awl is then used to pierce the leather.
- Can also prick holes in paper stencils to transfer patterns and designs in large scale artworks such as murals.

Wheel Dresser

- The revolving star wheels are designed to abrade the surface of grinding wheels,
- This removes dull grains and old metal particles, and exposes new grains on the grinding wheel.



930

SHEET METAL PUNCH

- Special chrome alloy
- Gun metal finish

Capacity:

Soft Materials
Plastics ≤ 8 mm thick

Hard Materials
Mild Steel ≤ 3 mm thick
Aluminium ≤ 2 mm thick
Copper ≤ 2 mm thick
Stainless Steel ≤ 1.5 mm thick



cat.-no.	hole diameter (mm)	bolt thread
930-18	18.6	M10 x 1
930-20	20.4	M10 x 1
930-22	22.5	M10 x 1
930-28	28.3	M10 x 1
930-30	30.5	M10 x 1
930-32	32	M10 x 1

NOTE: Other sizes from 15.2 - 80 mm available by special order

5647

EMERY WHEEL DRESSER

- For truing the working surfaces of grinding wheels
- Complete with cutters
- Spare cutters available



cat.-no.	length (mm)
5647	300

1243

PIN VICE

- Small universal hand vice
- Capable of clamping 2 mm Ø wire from coil, through hollow feeding handle
- Specially tempered head for long lasting spring action
- Serrated jaws



cat.-no.	length (mm)	width of jaws (mm)
1243	115	16

1230

HAND VICE

- Heavy duty hand vice
- Hardened and tempered special tool steel
- Serrated jaws
- Prismatic wire holding groove
- Sturdy acme thread screw with large wing nut
- Galvanised finish



cat.-no.	length (mm)	width of jaws (mm)	opening (mm)
1230-085	85	32	16
1230-100	100	36	18
1230-120	120	40	22
1230-130	130	42	25

5938

TYRE LEVER

- Flat-oval stock tyre lever
- Forged straight and curved ends
- Silver lacquered finish



cat.-no.	length (mm)	stock (mm)
5938-400	400	20 x 12
5938-500	500	20 x 12
5938-600	600	20 x 12

4772

TRACING WHEEL

- Inserted steel points
- Plastic handle



cat.-no.	overall length (mm)
4772	150



365

UPHOLSTERY SKEWER

- Used by upholstery professionals to hold fabric in place
- Steel construction
- Sold in packets of 100



cat.-no.	length (mm)	pack size
365	85	100

2402

PACKING NEEDLE

- Ideal for sack closing and industrial stitching
- Made from hardened steel for durability
- Bent spear point for easy use
- Sold in packets of 25



cat.-no.	length (mm)	pack size
2402-100	100	25
2402-125	125	25
2402-150	150	25
2402-175	175	25
2402-200	200	25

9615

SUCTION LIFTER

- 120 mm Ø suction pads
- Easily removable
- Lifts all non-porous materials such as:
 - Glass
 - Sheet metal
 - Plastics etc.



cat.-no.	no. of pads	lifting capacity (kg)	body type
9615	2	90	aluminium

2406

UPHOLSTERY NEEDLE - STRAIGHT

- Round-pointed
- Made from nickel plated, cast steel for durability
- Sold in packets of 25



cat.-no.	length (mm)	pack size
2406-250	250	25
2406-300	300	25
2406-350	350	25

2403

BUTCHERS' NEEDLE

- Spear point for easy use
- Made from stainless steel
- Comes in both straight and bent tip
- Sold in packets of 25



cat.-no.	length (mm)	tip	pack size
2403-SS	300	straight	25
2403-B-SS	300	bent	25

9616

SUCTION LIFTER

- 120 mm Ø suction pads
- Easily removable
- Lifts all non-porous materials such as:
 - Glass
 - Sheet metal
 - Plastics etc.



cat.-no.	no. of pads	lifting capacity (kg)	body type
9616	2	80	plastic

2408

UPHOLSTERY NEEDLE - CURVED

- Round-pointed
- Made from nickel plated, cast steel for durability
- Sold in packets of 25



cat.-no.	length (mm)	pack size
2408-050	50	25
2408-075	75	25
2408-100	100	25
2408-125	125	25
2408-150	150	25

9611

SUCTION LIFTER

- 120 mm Ø suction pads
- Easily removable
- Lifts all non-porous materials such as:
 - Glass
 - Sheet metal
 - Plastics etc.



cat.-no.	no. of pads	lifting capacity (kg)	body type
9611	1	40	plastic

9620

SUCTION LIFTER

- 120 mm Ø suction pads
- Easily removable
- Lifts all non-porous materials such as:
 - Glass
 - Sheet metal
 - Plastics etc.



cat.-no.	no. of pads	lifting capacity (kg)	body type
9620	3	140	aluminium



9401-SP

WIRE ROPE TENSIONING CLAMP

- Designed for copper and steel wires
- Suitable for linesmen, bridge builders, industry and agriculture
- Parallel hardened steel tensioning jaws
- Galvanised body
- Spring-loaded jaws grip wire easily



Jaw profile



cat.-no.	wire Ø (mm)	working load limit (kg)	eye size (mm)
9401-05-SP	1 - 5	500	20 x 20
9401-09-SP	3 - 9	1000	22 x 22
9401-12-SP	4 - 12	1700	27 x 27
9401-18-SP	6 - 18	3000	25 x 38
9401-28-SP	10 - 28	3500	30 x 40
9401-40-SP	20 - 40	4000	30 x 40

9401-ALU

ALUMINIUM ROPE TENSIONING CLAMP

- Designed for aluminium and A.C.S.R. wires
- Suitable for linesmen
- Parallel galvanised tensioning jaws
- Galvanised body
- Spring-loaded jaws grip wire easily



Jaw profile



cat.-no.	wire Ø (mm)	working load limit (kg)	eye size (mm)
9401-08-ALU	5.4 - 8.5	1000	22 x 22
9401-12-ALU	5 - 12	1700	27 x 27
9401-16-ALU	8 - 18	3000	25 x 38
9401-20-ALU	15 - 28	3500	30 x 40
9401-30-ALU	20 - 40	4000	30 x 40

2800

TIE-WIRE TWISTER

- Industrial quality twister
- Machined spring-return spiral spindle
- Designed for fast, secure tying of sack closures, tie wires etc.



cat.-no.	length (mm)
2800	320

2801

WIRE TWISTER

- Hardened steel revolving hook
- Lacquered wooden handle



cat.-no.	length (mm)
2801	200

3157 / 3158

STENCIL PLATE

- Sets of non-interlocking zinc stencils
- Available in letter sets and figure sets



Letter stencil plate 3157



Figure stencil plate 3158

Letter - Stencil Plate cat.-no. 3157
27 piece: A - Z (Capitals and "&")

Figure - Stencil Plate cat.-no. 3158
10 piece: 0 - 9

letter cat.-no.	number cat.-no.	character height (mm)
3157-040	3158-040	40
3157-050	3158-050	50
3157-060	3158-060	60
3157-070	3158-070	70
3157-080	3158-080	80
3157-100	3158-100	100
3157-150	3158-150	150

