



## Quality Assurance Statement

The satisfaction of all customers is the fundamental principle of the GROZ corporate philosophy.

GROZ stands committed to the quality of its products and service with the assurance of complete back-up support.

With a wide range of products, prompt service and vast experience, GROZ remains dedicated to the customer.





Groz has always exceeded the expectations of tool manufacturers and users the world over. Groz carefully makes each tool under stringent quality control processes that are achieved in a hi-tech environment spread over 500,000 square feet



Total quality & control via advanced horizontal & vertical machining centres



Robotically armed & conveyORIZED double booth powder coating plant with a capacity of 15 million sq inches / month



Pressure die casting - Plc controlled semi automatic equipment.



The heart of our operation is the design center, where our research & product development specialists use high end software & equipment to develop custom solutions



# TOOLS @WORK

Groz is known worldwide for its comprehensive range & superior quality of hand held tools that find application in a variety of industries. We once again promise you the best quality tools that you would be proud to own!

OUR  
**TOOLS**  
FIND APPLICATION IN A  
VARIETY OF INDUSTRIES



MARINE



WOODWORKING



CONSTRUCTION



ENERGY & POWER



DIY



AEROSPACE & DEFENCE



MINING



INDUSTRIAL & MACHINERY



AUTOMOTIVE



AGRICULTURE



RAILROAD



WORKSHOP



OIL & GAS



CEMENT & STEEL

## 01

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DON'T MISS

BACK INSIDE COVER  
FOR THE NEWLY  
LAUNCHED

CLAW  
HAMMER

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# RETRA DRIVE

THE RETRACTABLE CARTRIDGE SCREWDRIVER



**DON'T MISS!**  
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The brand new Patented Technology Screwdriver...  
**JUST ONE DOES IT ALL!**

**NEW!** additions

**BRASS PIN PUNCHES** 14



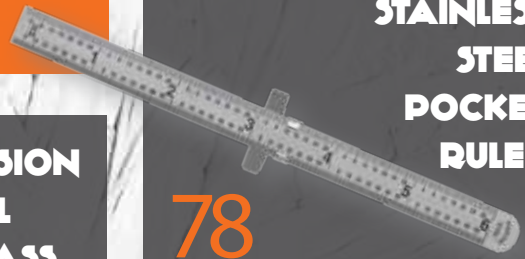
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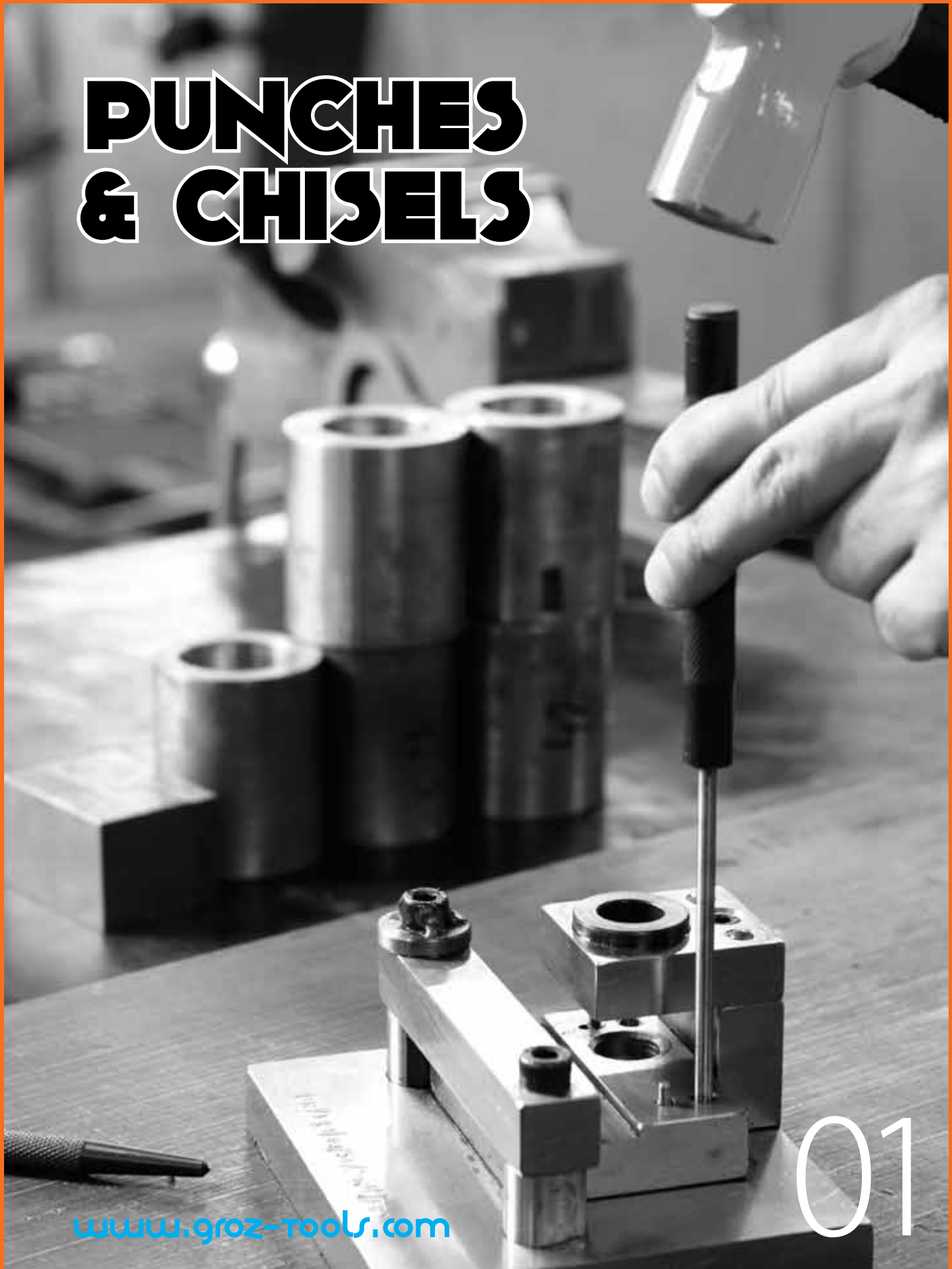
**RETRA DRIVE**

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# PUNCHES & CHISELS



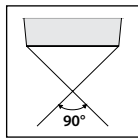
[www.groz-tools.com](http://www.groz-tools.com)

01

# 01 CENTRE PUNCHES

Centre Punches are manufactured from selected carbon steel. These are accurately hardened and tempered so that the point will withstand continuous use and the striking end will not splinter. These are ideal for clearly marking metal in work layout & making indentations in a work piece before drilling to ensure correct location of drill points.

The working tips are centered and ground to the correct angle (90° included angle) for increased efficiency in marking. The striking end is chamfered to prevent breakage.



These are available in 3 types:

1. Centre Punches - Heavy Duty
2. Centre Punches - Round Head
3. Centre Punches - Square Head

## UTILITY



automotive



industrial



### CP/HD/5/ST

A set of 5 Centre Punches containing one each of 5/64" (2mm), 1/8" (3mm), 5/32" (4mm), 1/4" (6mm) & 3/8" (10mm) packed in a vinyl pouch



## CENTRE PUNCHES - HEAVY DUTY

Single piece construction with hexagonal shank, these are amongst the strongest and most durable of Centre Punches. Working ends are accurately ground and the punch body has a premium powder coated finish

Cat.Nr.	Ordering Nr.	Point Size (P)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
CP/HD/5-64	25200	5/64	2	1/4	6	3.1/2	90
CP/HD/1-8	25201	1/8	3	5/16	8	4.1/4	108
◆ CP/HD/5-32	25202	5/32	4	3/8	10	5	125
CP/HD/5-32/SPL	25206	5/32	4	5/16	8	5.1/2	138
◆ CP/HD/1-4	25203	1/4	6	1/2	12	6	150
CP/HD/1-4/SPL	25207	1/4	6	3/8	10	6	150
CP/HD/3-8	25204	3/8	10	5/8	16	6.1/4	160

### Sets

CP/HD/5/ST	25205	A set of 5 Centre Punches containing one each of 5/64" (2mm), 1/8" (3mm), 5/32" (4mm), 1/4" (6mm) & 3/8" (10mm) packed in a vinyl pouch.
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52-58  
HRC







**CP/5/ST**  
A Set of 5 Centre Punches in sizes 1/16" (1.5mm), 5/64" (2mm), 3/32" (2.5mm), 9/64" (3.5mm) & 5/32" (4mm) packed in a vinyl pouch

**CP/8/WD/ST**  
A Set of 8 Centre Punches in sizes 1/16" (1.5mm), 5/64" (2mm), 3/32" (2.5mm), 1/8" (3mm), 9/64" (3.5mm), 5/32" (4mm), 3/16" (5mm) & 7/32" (5.5mm) packed to a wooden box



## CENTRE PUNCHES - ROUND HEAD

Single piece construction with round shank and round striking head. The knurling is clean and well cut to provide a positive finger grip. This range of punches have a rust inhibiting black oxide finish

## CENTRE PUNCHES - SQUARE HEAD

Two piece construction with round shank and square striking head. Clean cut knurling on the shank provides a positive finger grip. The 3/8" (9.5 mm) square head provides a larger area for striking & also prevents the punch from rolling off. This range of punches have rust inhibiting black oxide finish

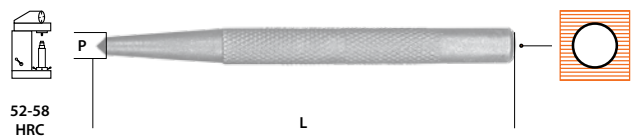
Cat.Nr.	Ordering Nr.	Point Size (P)		Body Diameter		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
CP/1-16	25100	1/16	1.5	1/4	6	3	75
◆ CP/5-64	25101	5/64	2	5/16	8	4	100
CP/3-32	25102	3/32	2.5	5/16	8	4	100
CP/1-8	25103	1/8	3	5/16	8	4	100
CP/9-64	25104	9/64	3.5	5/16	8	4	100
◆ CP/5-32	25105	5/32	4	3/8	10	4	100
CP/3-16	25106	3/16	5	3/8	10	4	100
CP/7-32	25107	7/32	5.5	3/8	10	4	100
◆ CP/1-4	25108	1/4	6	7/16	11	5	125
CP/1-4/SPL	25111	1/4	6	1/2	13	5	125

Sets		
◆ CP/5/ST	25109	A Set of 5 Centre Punches in sizes 1/16" (1.5mm), 5/64" (2mm), 3/32" (2.5mm), 9/64" (3.5mm) & 5/32" (4mm) packed in a vinyl pouch
CP/5/1-8/ST	25110	A Set of 5 Centre Punches in sizes 1/16" (1.5mm), 5/64" (2mm), 3/32" (2.5mm), 1/8" (3mm) & 5/32" (4mm) packed in a vinyl pouch
◆ CP/8/WD/ST	25120	A Set of 8 Centre Punches in sizes 1/16" (1.5mm), 5/64" (2mm), 3/32" (2.5mm), 1/8" (3mm), 9/64" (3.5mm), 5/32" (4mm), 3/16" (5mm) & 7/32" (5.5mm) packed to a wooden box

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Cat.Nr.	Ordering Nr.	Point Size (P)		Body Diameter		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
CP/SQ/1-16	25150	1/16	1.5	9/32	7	4	100
CP/SQ/3-32	25151	3/32	2.5	9/32	7	4	100
◆ CP/SQ/1-8	25152	1/8	3	9/32	7	4	100
CP/SQ/5-32	25153	5/32	4	9/32	7	4	100
◆ CP/SQ/3-16	25154	3/16	5	9/32	7	4	100
◆ CP/SQ/1-4	25155	1/4	6	3/8	9.5	4	100
CP/SQ/3-16L	25156	3/16	5	13/32	10.5	6.1/2	165

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52-58 HRC

L

# 02

## PIN PUNCHES

Pin Punches are manufactured from high quality carbon steel, accurately hardened and tempered so that the Pin will withstand continuous use and the striking end will not splinter. These are induction hardened to ensure consistent hardness and a special tempering process prevents the head from fracturing, thereby preventing accidents.

These are available in 2 types:

1. Pin Punches - Heavy Duty
2. General Purpose Round Shank Pin Punches

### UTILITY



automotive



industrial



Pin Punches are used for driving out and removing already loosened pins & keys after initial movement by a solid or starting punch



#### PP/HD/6/ST

A set of 6 Pin Punches containing one each of 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 1/4"(6mm) & 5/16"(8mm), packed in a vinyl pouch



### PIN PUNCHES - HEAVY DUTY

Single piece construction with hexagonal shank. Single piece construction imparts additional durability to the punch. Working ends are accurately ground and the punch body is in premium powder coated finish.

Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
PP/HD/1-16	25600	1/16	1.5	1/4	6	4	100
◆ PP/HD/3-32	25601	3/32	2.5	5/16	8	4.1/2	112
PP/HD/3-32/SPL	25609	3/32	2.5	1/4	6	4.1/4	106
◆ PP/HD/1-8	25602	1/8	3	5/16	8	4.3/4	119
◆ PP/HD/5-32	25603	5/32	4	5/16	8	5	125
◆ PP/HD/3-16	25604	3/16	5	3/8	10	5.1/4	132
PP/HD/3-16/SPL	25610	3/16	5	5/16	8	5.1/4	132
PP/HD/7-32	25605	7/32	5.5	3/8	10	5.1/2	138
◆ PP/HD/1-4	25606	1/4	6	3/8	10	5.3/4	145
PP/HD/5-16	25607	5/16	8	7/16	11	6	150
PP/HD/3-8	25608	3/8	10	1/2	12	6.1/2	163

#### Sets

PP/HD/6/ST	25612	A set of 6 Pin Punches containing one each 3/32" (2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 1/4"(6mm) & 5/16" (8mm), packed in a vinyl pouch
◆ PP/HD/7/ST	25611	A set of 7 Pin Punches containing one each of 1/16" (1.5mm), 3/32" (2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm) & 1/4"(6mm), packed in a vinyl pouch

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**PP/HD/5L/ST**  
 A set of 5 extra long Pin Punches containing one each of 1/8" (3mm), 3/16"(5mm), 1/4"(6mm), 5/16"(8mm) & 3/8"(10mm) packed in a vinyl pouch

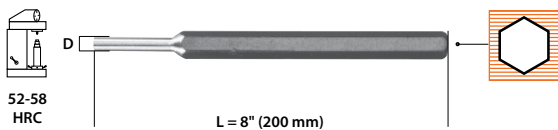
## EXTRA LONG PIN PUNCHES - HEAVY DUTY

The extra Long Pin Punches are useful for all applications where added leverage is required.

Cat.Nr.	Ordering Nr.	Pin Diameter (P)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
◆ PP/HD/1-8L	25650	1/8	3	5/16	8	8	200
◆ PP/HD/3-16L	25651	3/16	5	3/8	10	8	200
◆ PP/HD/1-4L	25652	1/4	6	3/8	10	8	200
PP/HD/5-16L	25653	5/16	8	7/16	11	8	200
PP/HD/3-8L	25654	3/8	10	1/2	12	8	200

Sets		
PP/HD/5L/ST	25655	A set of 5 extra long Pin Punches containing one each of 1/8" (3mm), 3/16"(5mm), 1/4"(6mm), 5/16"(8mm) & 3/8"(10mm) packed in a vinyl pouch

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## GENERAL PURPOSE ROUND SHANK PIN PUNCHES

These round shank pin punches have clean and well cut knurling which provides positive, non slip grip. This range of punches has rust inhibiting black oxide finish.

These are available in 3 different lengths:

- 1. Pin Punches 4" (100 mm) long:**  
Single piece construction with 1" (25 mm) long pin.
- 2. Pin Punches 6" (150 mm) long:**  
Single piece construction with 1.3/4" (45 mm) long pin.
- 3. Pin Punches 8" (200 mm) long:**  
Two piece construction with a 3.3/4" (90 mm) long pin. The two piece construction allows the pin to have a separate hardness from the body which prevents "peening" and also ensures complete straightness over such a long length.



### PP/8/WD/ST

A Set of 8 Pin punches containing one each of 1/16" (1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm), 1/4"(6mm) & 5/16"(8mm) packed in a wooden box.

## UTILITY



industrial

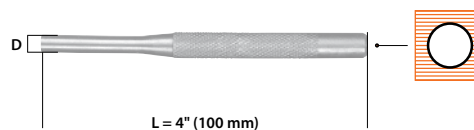
### PIN PUNCHES — 4" (100 MM LONG)

Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Body Diameter	
		Inch	mm	Inch	mm
◆ PP/1-16	25560	1/16	1.5	9/32	7
PP/3-32	25561	3/32	2.5	9/32	7
◆ PP/1-8	25562	1/8	3	9/32	7
◆ PP/5-32	25563	5/32	4	9/32	7
◆ PP/3-16	25564	3/16	5	5/16	8
PP/7-32	25565	7/32	5.5	5/16	8
◆ PP/1-4	25566	1/4	6	3/8	10
PP/5-16	25567	5/16	8	7/16	11

### Sets

◆ PP/4/ST	25568	A Set of 4 Pin Punches containing one each of 1/8"(3mm), 5/32"(4mm), 3/16"(5mm) & 1/4"(6mm) packed in vinyl pouch
PP/8/ST	25569	A Set of 8 Pin Punches containing one each of 1/16" (1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm), 1/4"(6mm) & 5/16"(8mm) packed in a vinyl pouch
◆ PP/8/WD/ST	25580	A Set of 8 Pin Punches containing one each of 1/16" (1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm), 1/4"(6mm) & 5/16"(8mm) packed in a wooden box

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**PPR/6/ST**  
A Set of 6 Pin Punches containing one each of 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 1/4"(6mm), & 5/16"(8mm) packed in vinyl pouch



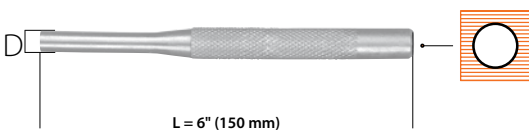
**DDP/8/ST**  
A Set of 8 Pin punches in sizes 1/16"(1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 1/4"(6mm), 5/16"(8mm) & 3/8"(9.5mm) packed in a vinyl pouch

PIN PUNCHES — 6" (150 MM LONG)					
Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Body Diameter	
		Inch	mm	Inch	mm
PPR/1-16	25540	1/16	1.5	9/32	7
◆ PPR/3-32	25541	3/32	2.5	9/32	7
PPR/1-8	25542	1/8	3	9/32	7
◆ PPR/5-32	25543	5/32	4	9/32	7
◆ PPR/3-16	25544	3/16	5	5/16	8
PPR/7-32	25545	7/32	5.5	5/16	8
◆ PPR/1-4	25546	1/4	6	3/8	10
PPR/5-16	25547	5/16	8	1/2	12
PPR/3-8	25548	3/8	9.5	1/2	12

Sets		
◆ PPR/6/ST	25549	A Set of 6 Pin Punches containing one each of 3/32" (2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16" (5mm), 1/4"(6mm), & 5/16"(8mm) packed in vinyl pouch
PPR/8/ST	25550	A Set of 8 Pin Punches containing one each of 1/16"(1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm), 1/4" (6mm) & 5/16"(8mm) packed in a vinyl pouch

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PIN PUNCHES — 8" (200 MM LONG)					
Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Body Diameter	
		Inch	mm	Inch	mm
DDP/1-16	25500	1/16	1.5	23/64	9
DDP/3-32	25501	3/32	2.5	3/8	10
◆ DDP/1-8	25502	1/8	3	3/8	10
DDP/5-32	25503	5/32	4	3/8	10
◆ DDP/3-16	25504	3/16	5	1/2	12
◆ DDP/1-4	25505	1/4	6	1/2	12
◆ DDP/5-16	25506	5/16	8	1/2	12
DDP/3-8	25507	3/8	9.5	1/2	12

Sets		
◆ DDP/5/ST	25508	A Set of 5 Pin Punches in sizes 1/8"(3mm), 3/16"(5mm), 1/4"(6mm), 5/16"(8mm) & 3/8"(9.5mm) packed in a vinyl pouch
◆ DDP/8/ST	25509	A Set of 8 Pin Punches in sizes 1/16"(1.5mm), 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm) 1/4"(6mm), 5/16"(8mm) & 3/8" (9.5mm) packed in a vinyl pouch

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# BRASS PIN PUNCHES **NEW!**

Brass Punches are ideal for delicate work on soft materials. Non-marring, they do not cause damage to the material being worked upon. These are also used to produce a gentle initial movement with a steel punch being used later to complete the job

Available in 2 lengths:

## 1. 4" (100 mm)

**Solid Brass Construction**

## 2. 8" (200 mm)

**2pc Construction with body in steel & punch in brass**

### BRASS PIN PUNCHES — 4" (100 MM LONG)

Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Body Diameter	
		Inch	mm	Inch	mm
PP/1-16B	26760	1/16	1.5	9/32	7
PP/3-32B	26761	3/32	2.5	9/32	7
PP/1-8B	26762	1/8	3.0	9/32	7
PP/5-32B	26763	5/32	4.0	9/32	7
PP/3-16B	26764	3/16	5.0	5/16	8
PP/7-32B	26765	7/32	5.5	5/16	8
PP/1-4B	26766	1/4	6.0	3/8	10
PP/5-16B	26767	5/16	8.0	7/16	11

Sets		
PP/4B/ST	26768	A Set of 4, containing 1 each of 1/8" (3mm), 5/32" (4mm), 3/16" (5mm) & 1/4" (6mm) punches, packed to a vinyl pouch
PP/8B/ST	26769	A Set of 8, containing 1 each of 1/16" (1.5mm), 3/32" (2.5mm), 1/8" (3mm), 5/32" (4mm), 3/16" (5mm), 7/32" (5.5mm), 1/4" (6mm) & 5/16" (8mm) punches, packed to a vinyl pouch
PP/8B/WD/ST	26770	A Set of 8, containing 1 each of 1/16" (1.5mm), 3/32" (2.5mm), 1/8" (3mm), 5/32" (4mm), 3/16" (5mm), 7/32" (5.5mm), 1/4" (6mm) & 5/16" (8mm) punches, packed to a wooden box

### BRASS PIN PUNCHES — 8" (200 MM LONG)

Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Body Diameter	
		Inch	mm	Inch	mm
DPP/1-16B	26750	1/16	1.5	23/64	9
DPP/3-32B	26751	3/32	2.5	3/8	10
DPP/1-8B	26752	1/8	3.0	3/8	10
DPP/5-32B	26753	5/32	4.0	3/8	10
DPP/3-16B	26754	3/16	5.0	1/2	12
DPP/1-4B	26755	1/4	6.0	1/2	12
DPP/5-16B	26756	5/16	8.0	1/2	12
DPP/3-18B	26757	3/8	9.5	1/2	12

Sets		
DPP/5B/ST	26758	A Set of 5, containing 1 each of 1/8" (3mm), 3/16" (5mm), 1/4" (6mm), 5/16" (8mm) & 3/8" (9.5mm) punches, packed to a vinyl pouch
PP/8B/ST	26759	A Set of 8, containing 1 each of 1/16" (1.5mm), 3/32" (2.5mm), 1/8" (3mm), 5/32" (4mm), 3/16" (5mm), 1/4" (6mm), 5/16" (8mm) & 3/8" (9.5mm) punches, packed to a vinyl pouch



## UTILITY



automotive



industrial

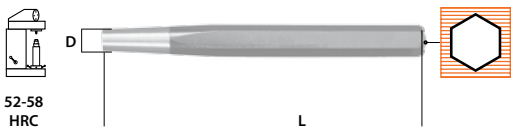


# 04

## STARTING PUNCHES

These Punches are used as a starting tool prior to using Pin Punches, as they are useful for loosening frozen or tight pins and keys, or knocking out rivets. These have a single piece construction with hexagonal shank. Manufactured from selected carbon steel, they are accurately hardened for extended service life. The working ends are machine ground with the body in premium powder coated finish.

Cat.Nr.	Ordering Nr.	Tip Diameter (D)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
SGP/HD/1-16	25700	1/16	1.5	3/8	10	5	125
SGP/HD/3-32	25701	3/32	2.5	3/8	10	5	125
SGP/HD/1-8	25702	1/8	3	3/8	10	5	125
SGP/HD/1-8/SPL	25720	1/8	3	5/16	8	5	125
SGP/HD/5-32	25703	5/32	4	3/8	10	5	125
SGP/HD/3-16	25704	3/16	5	3/8	10	5	125
SGP/HD/7-32	25705	7/32	5.5	3/8	10	5.1/2	140
SGP/HD/1-4	25706	1/4	6	3/8	10	5	125
SGP/HD/5-16	25707	5/16	8	1/2	12	6	150
SGP/HD/3-8	25708	3/8	9.5	5/8	16	6.1/2	165
SGP/HD/1-2	25709	1/2	12	5/8	16	7	175



# 05

## DRIFT PUNCHES

Manufactured from selected carbon steel, these have a single piece construction. Punches are accurately hardened and tempered for increased working life. The working ends are machine ground with the body in premium powder coated finish.

Drift Punches are ideal for lining up holes in 2 or more pieces of metal and for drawing pins through various assemblies. These are also referred to as "Alignment Punches".

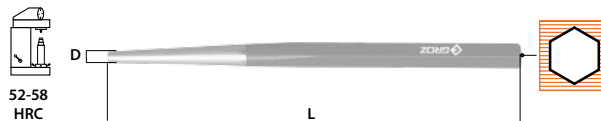
Cat.Nr.	Ordering Nr.	Tip Diameter (D)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
DFP/HD/3-32	25800	3/32	2.5	5/16	8	8	200
◆DFP/HD/1-8	25801	1/8	3	5/16	8	8	200
◆DFP/HD/5-32	25802	5/32	4	3/8	10	9	225
◆DFP/HD/5-32/SPL	25822	5/32	4	1/2	12	10	250
◆DFP/HD/3-16	25803	3/16	5	1/2	12	10	250
DFP/HD/3-16/SPL	25820	3/16	5	5/16	8	10	250
DFP/HD/7-32	25804	7/32	5.5	1/2	12	10	250
DFP/HD/7-32/SPL	25823	7/32	5.5	3/4	19	17.3/4	450
◆DFP/HD/1-4	25805	1/4	6	5/8	16	12	300
DFP/HD/1-4/SPL	25821	1/4	6	3/8	10	10	250
DFP/HD/5-16	25806	5/16	8	3/4	19	12	300
DFP/HD/3-8	25807	3/8	9.5	3/4	19	15	375
DFP/HD/3-8/SPL	25824	3/8	9.5	5/8	16	10	250
DFP/HD/1-2	25808	1/2	12	7/8	22	18	450

**Sets**

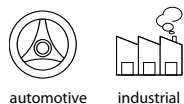
DFP/HD/7/ST	25809	Set of 7 Drift Punches in sizes 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 7/32"(5.5mm), 1/4"(6mm), 5/16"(8mm), & 3/8"(9.5mm) packed in vinyl pouch
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◆ **BESTSELLER**

Underlined sizes find use in construction for aligning scaffolding



**UTILITY**



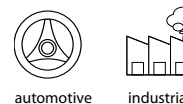
**DFP/HD/7/ST**

A set of 7 Drift Punches in sizes 1/8" (3mm), 5/32" (4mm), 3/16" (5mm), 7/32" (5.5mm), 1/4" (6mm), 5/16" (8mm) & 3/8" (9.5mm) packed in a vinyl pouch



Insert the punch into the hole, pry or twist both into alignment. Tapping gently with the long well formed taper will ensure that the holes are in perfect alignment.

**UTILITY**



# 06

## ROLL PIN PUNCHES

Single piece construction with hexagonal shank imparts additional durability. Body has a premium powder coated finish with chamfered striking end that helps reduce mushrooming & chipping.

These precision-machined roll pin punches are specifically designed to remove spring pins / roll pins. The heat-treated point has a rounded ball to center the point into the pin allowing the point shoulder to maintain maximum contact with the pin during removal and eliminating any damage to the pin or wall

Cat.Nr.	Ordering Nr.	Pin Diameter (D)		Ball Diameter (D1)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
RPP/3-32	25640	3/32	2.5	1/16	1.25	1/4	6	3.1/2	89
RPP/1-8	25641	1/8	3	3/32	2.00	1/4	6	3.3/4	94
RPP/5-32	25642	5/32	4	7/64	2.75	5/16	8	4.1/2	114
RPP/3-16	25643	3/16	5	1/8	3.00	5/16	8	4.1/2	114
RPP/1-4	25644	1/4	6	5/32	4.00	3/8	10	5.1/2	140
RPP/5-16	25645	5/16	8	7/32	5.25	3/8	10	6	150
◆ RPP/6/ST	25646	A Set of 6 Roll Pin punches - containing one each of 3/32"(2.5mm), 1/8"(3mm), 5/32"(4mm), 3/16"(5mm), 1/4"(6mm) & 5/16"(8mm) packed in a vinyl pouch							



52-58 HRC



Roll Pin Punch being used to remove spring pin from a gun



### UTILITY



automotive



industrial

# 07

## HINGE CENTERING PUNCH

Hinge Centering Punches are used for starting and centering screw holes when attaching countersunk hardware such as hinges, hangars, hasps, brackets, locks and drawer pulls.

Punch has a spring action with a hardened steel pin for convenient marking. The taper end of the punch ensures starting hole is correctly centered in the screw hole.

Ideal accessory for close quarter drilling



Spring loaded

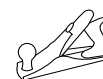
Cat.Nr.	Ordering Nr.	Stock Size		Overall Length	
		Inch	mm	Inch	mm
JCP/01	25004	3/8	10	3	78



Punch being used to mark screw starting centres on a door frame



### UTILITY



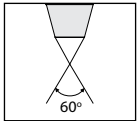
woodworking



# 08

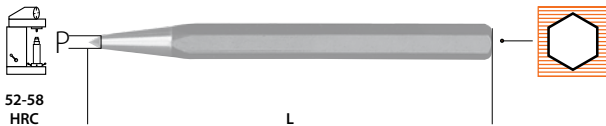
## PRICK PUNCHES

Prick Punches are used for marking metals in work layouts. These punches have a very sharp point (60° included angle), hence are highly suitable where very precise marking / scoring is required. These have a single piece construction with hexagonal shank. Manufactured from selected carbon steel, they are accurately hardened for extended service life. The working ends are machine ground with the body in premium powder coated finish.



Cat.Nr.	Ordering Nr.	Point Size (P)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
PKP/HD/1-4	25450	5/64	2	1/4	6	3	75
◆ PKP/HD/3-8	25451	5/32	4	3/8	10	5	125
PKP/HD/1-2	25452	1/4	6	1/2	12	6	150

◆ BESTSELLER



52-58 HRC



### UTILITY



automotive



industrial

# 09

## NAIL PUNCHES

Nail Punches are manufactured from selected carbon steel, accurately hardened and tempered for increased service life. Clean-cut knurled round shank provides a positive non-slip grip. The 3/8" (9.5 mm) square head provides a larger striking area and also prevents the punch from rolling off. The striking end is chamfered to prevent breakage. This range of punches have a rust inhibiting black oxide finish.

Nail Punches are designed for driving nail heads below the surface of wood. The working end is cupped to follow the nail head without sliding off. These can also be used to remove nails that have an exposed point. Place the recessed tip against the point of the nail and strike the punch with a hammer to back the nail out of the hole.

Cat.Nr.	Ordering Nr.	Tip Diameter		Overall Length	
		Inch	mm	Inch	mm
◆ NLP/SQ/1-32	25360	1/32	0.80	4	100
◆ NLP/SQ/1-16	25361	1/16	1.5	4	100
◆ NLP/SQ/3-32	25362	3/32	2.5	4	100
◆ NLP/SQ/1-8	25363	1/8	3	4	100
NLP/SQ/5-32	25364	5/32	4	4	100
NLP/SQ/3-16	25365	3/16	5	4	100

### Set

NLP/SQ/3/ST	25366	A set of 3 Nail Punches in sizes 1/32" (0.80mm), 1/16"(1.5mm) & 3/32"(2.5mm)
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◆ BESTSELLER



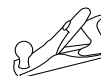
### NLP/SQ/3/ST

A set of 3 Nail Punches in sizes 1/32" (0.80mm), 1/16"(1.5mm) & 3/32"(2.5mm)



52-58 HRC

### UTILITY



woodworking

# 10

## AUTOMATIC CENTRE PUNCHES

Automatic Centre Punches are a precise means of marking center holes for drilling in layout work. Groz manufactures a complete range of fully automatic single hand operated spring loaded punches, wherein the built in mechanism delivers a punch just with the pressing of the head.

The depth of the impression is variable and can be adjusted from light marking to heavy blows by turning the knurled head. Screwing the cap downwards produces heavy indentation; progressively lighter marking can be obtained by screwing the cap upwards. Once the knurled cap is set to the desired position, the punch will strike the same depth every time.

These have a round shank with clean and well cut knurling for positive non-slip grip. Tips are made from hardened tool steel and can be easily removed for re-sharpening or replacement.

These are available in three types:

1. Automatic Centre Punch - Light Duty
2. Automatic Centre Punch - Heavy Duty
3. Marking Punch



### WARNING



### UTILITY



### AUTOMATIC CENTRE PUNCH - LIGHT DUTY

Useful for light marking jobs.

Cat.Nr.	Ordering Nr.	Body Material	Body Diameter		Overall Length (L)	
			Inch	mm	Inch	mm
◆ ACP/1B	25000	Steel	1/2	13	4.3/4	120
■ ACP/77	25005	Aluminium	1/2	13	5	128
■ ACP/87	25007	Aluminium	5/16	8	5.3/4	146

◆ BESTSELLER ■ NEW

### AUTOMATIC CENTRE PUNCH - HEAVY DUTY

A heavy-duty version of the above punch. It is capable of making very deep indentations.

Cat.Nr.	Ordering Nr.	Body Material	Body Diameter		Overall Length (L)	
			Inch	mm	Inch	mm
ACP/H-2	25010	Steel	23/32	18	5.3/4	147
STP/ACP/H2 (Spare tip)	25011	Steel	-	-	-	-

### MARKING PUNCH

A heavy duty punch with a single piece point and shank.

Cat.Nr.	Ordering Nr.	Body Material	Body Diameter		Overall Length (L)	
			Inch	mm	Inch	mm
MP/88	25020	Steel	5/8	16	6.13/64	157



ACP/1B

ACP/77

ACP/87

ACP/H-2

MP/88

# 11

## STEEL STAMPS

For hand held, hammer struck applications. GROZ, Letter and Number Stamps are manufactured from select quality carbon steel. Punches are through induction hardened, which gives durability and extended life for repeated use. The hardness at the stamping end is maintained at 58-62 HRC, the striking end is tempered to 35-42 HRC. This prevents the punch from splintering during use. The striking end is chamfered to prevent breakage and accidents due to flying splinters.

These are available in two types:

### 1. Plastic Case:

Standard Number stamps come in a plastic case with the exception of 1/2" (12 mm) which is packed to a metal case. Letter stamps come in a plastic case with the exception of 3/8" (10 mm) & 1/2" (12 mm) which are packed to a metal case.

### 2. Wood Case:

Both Number & Letter Stamp Sets are also available in a traditional wood case.



PLASTIC CASE

WOOD CASE



58-62 HRC at the stamping end



35-42 HRC at the striking end

## UTILITY



automotive



industrial

Indentation Actual size	ε	8	E	8	E	8	E	8	E
Inch	1/16	3/32	1/8	5/32	3/16	1/4	5/16	3/8	1/2
Stamp size (mm)	1	2	3	4	5	6	8	10	12

## NUMBER STAMP SET

The set contains 9 pieces, '0' - '9'. Numbers '6' & '9' are interchangeable

Cat.Nr.	Ordering Nr.	Cat.Nr.	Ordering Nr.	Stamp Size	
				Inch	mm
PLASTIC / METAL CASE		WOOD CASE			
NP/1	25900	NP/WD/1	25930	1/16	1
NP/2	25901	NP/WD/2	25931	3/32	2
◆ NP/3	25902	NP/WD/3	25932	1/8	3
NP/4	25903	NP/WD/4	25933	5/32	4
◆ NP/5	25904	NP/WD/5	25934	3/16	5
◆ NP/6	25905	NP/WD/6	25935	1/4	6
NP/8	25906	NP/WD/8	25936	5/16	8
NP/10	25907	NP/WD/10	25937	3/8	10
NP/12	25908	NP/WD/12	25938	1/2	12

◆ BESTSELLER

## LETTER STAMP SET

The set contains 27 pieces, alphabets 'A' through 'Z' and ampersand '&'

Cat.Nr.	Ordering Nr.	Cat.Nr.	Ordering Nr.	Stamp Size	
				Inch	mm
PLASTIC / METAL CASE		WOOD CASE			
LP/1	26100	LP/WD/1	26130	1/16	1
LP/2	26101	LP/WD/2	26131	3/32	2
◆ LP/3	26102	LP/WD/3	26132	1/8	3
LP/4	26103	LP/WD/4	26133	5/32	4
◆ LP/5	26104	LP/WD/5	26134	3/16	5
◆ LP/6	26105	LP/WD/6	26135	1/4	6
LP/8	26106	LP/WD/8	26136	5/16	8
LP/10	26107	LP/WD/10	26137	3/8	10
LP/12	26108	LP/WD/12	26138	1/2	12

◆ BESTSELLER



# 12

## HOLLOW & ARCH PUNCHES

These punches are used for punching round holes in gasket material, leather, rubber, canvas, cardboard, plastic & other soft material.

Special design of the cutting edge prevents jamming of material inside the punch. Cutting edge is induction hardened for extended working life.

These are built in two different styles, as detailed below:

1. Hollow Punches
2. Arch Punches

### HOLLOW PUNCHES



### ARCH PUNCHES



### UTILITY



automotive

DIY



45±5 HRC

#### HPL/14/ST

A set of 14 Hollow & Arch Punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 9/16" (14mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm), 1" (25mm), 1.3/16" (30mm), 1.1/4" (32mm), 1.3/8" (35mm) & 1.1/2" (38mm) packed in a wooden box



### HOLLOW PUNCHES

These have a compact cylindrical construction & are machined from one piece steel. They are built only to cut small holes ranging from 3/32" (2mm) to 1" (25mm) diameter

Cat.Nr.	Ordering Nr.	Hole Diameter	
		Inch	mm
HPL/2	26302	3/32	2
◆ HPL/3	26303	1/8	3
HPL/4	26304	5/32	4
◆ HPL/5	26305	3/16	5
HPL/5.5	26371	7/32	5.5
◆ HPL/6	26306	1/4	6
HPL/7	26307	9/32	7
◆ HPL/8	26308	5/16	8
HPL/9	26309	23/64	9
◆ HPL/10	26310	3/8	10
HPL/10.5	26372	13/32	10.5
HPL/11	26311	7/16	11
◆ HPL/12	26312	1/2	12
HPL/13	26313	17/32	13
HPL/14	26314	9/16	14
HPL/15	26315	19/32	15
◆ HPL/16	26316	5/8	16
HPL/17	26317	11/16	17
HPL/18	26318	23/32	18
◆ HPL/19	26319	3/4	19
HPL/20	26320	13/16	20
HPL/21	26321	27/32	21
◆ HPL/22	26322	7/8	22
HPL/23	26323	29/32	23
HPL/24	26324	15/16	24
◆ HPL/25	26325	1	25

◆ BESTSELLER

## ARCH PUNCHES

As the name suggests, these have an Arch / Bell Type construction. They are larger in form, with long shaft for convenient holding.

These are built in a range of different hole diameters all the way from 3/16" (5mm) to 2.3/4" (70 mm)

Cat.Nr.	Ordering Nr.	Hole Diameter	
		Inch	mm
◆ HPL/5/BEL	26400	3/16	5
◆ HPL/6/BEL	26401	1/4	6
◆ HPL/8/BEL	26402	5/16	8
◆ HPL/10/BEL	26403	3/8	10
HPL/11/BEL	26404	7/16	11
◆ HPL/12/BEL	26405	1/2	12
HPL/14/BEL	26406	9/16	14
◆ HPL/16/BEL	26407	5/8	16
HPL/18/BEL	26408	23/32	18
◆ HPL/19/BEL	26409	3/4	19
HPL/21/BEL	26410	27/32	21
◆ HPL/22/BEL	26411	7/8	22
HPL/24/BEL	26412	15/16	24
◆ HPL/25/BEL	26413	1	25
HPL/26	26326	1.1/64	26
HPL/27	26327	1.1/16	27
HPL/28	26328	1.3/32	28
HPL/29	26329	1.1/8	29
◆ HPL/30	26330	1.3/16	30
HPL/31	26331	1.7/32	31
◆ HPL/32	26332	1.1/4	32
HPL/33	26333	1.5/16	33
HPL/34	26334	1.11/32	34
HPL/35	26335	1.3/8	35
HPL/36	26336	1.13/32	36
HPL/37	26337	1.15/32	37

Cat.Nr.	Ordering Nr.	Hole Diameter	
		Inch	mm
◆ HPL/38	26338	1.1/2	38
HPL/39	26339	1.17/32	39
HPL/40	26340	1.9/16	40
HPL/41	26341	1.5/8	41
HPL/42	26342	1.21/32	42
HPL/43	26343	1.11/16	43
HPL/44	26344	1.23/32	44
HPL/45	26345	1.25/32	45
HPL/46	26346	1.13/16	46
HPL/47	26347	1.27/32	47
HPL/48	26348	1.7/8	48
HPL/49	26349	1.15/16	49
◆ HPL/50	26350	2	50
HPL/52	26352	2.5/64	52
HPL/54	26354	2.5/32	54
HPL/55	26355	2.3/16	55
HPL/57	26357	2.9/32	57
HPL/58	26358	2.19/64	58
HPL/60	26360	2.3/8	60
HPL/62	26362	2.15/32	62
HPL/63	26363	2.1/2	63
HPL/65	26365	2.9/16	65
HPL/67	26367	2.21/32	67
HPL/68	26368	2-11/16	68
HPL/70	26370	2.3/4	70

◆ BESTSELLER

## SETS



### HPL/7/BEL/ST

A set of 7 Bell type Arch punches in sizes 1/4" (6mm), 3/8" (10mm), 1/2" (12mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm) & 1" (25mm) packed in a vinyl pouch

Cat.Nr.	Ordering Nr.	Constituents
HPL/5/ST	26390	A set of 5 Hollow punches in sizes 3/32" (2mm), 5/32" (4mm), 1/4" (6mm), 5/16" (8mm) & 3/8" (10mm) packed in a vinyl pouch
HPL/5/BEL/ST	26440	A set of 5 Bell type Arch punches in sizes 1/4" (6mm), 3/8" (10mm), 1/2" (12mm), 5/8" (16mm) & 3/4" (19mm) packed in a vinyl pouch
◆ HPL/6/ST	26391	A set of 6 Hollow punches in sizes 3/16" (5mm), 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm) & 1/2" (12mm) packed in a vinyl pouch
HPL/7/ST	26392	A set of 7 punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 5/8" (16mm) & 3/4" (19mm) packed in a vinyl pouch

◆ BESTSELLER



### HPL/6/ST

A set of 6 Hollow punches in sizes 3/16" (5mm), 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm) & 1/2" (12mm) packed in a pouch



### HPL/10/ST

A set of 10 Hollow punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 9/16" (14mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm) & 1" (25mm) packed in a vinyl pouch

Cat.Nr.	Ordering Nr.	Constituents
◆ HPL/7/BEL/ST	26441	A set of 7 Bell type Arch punches in sizes 1/4" (6mm), 3/8" (10mm), 1/2" (12mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm) & 1" (25mm) packed in a vinyl pouch
HPL/7A/BEL/ST	26442	A set of 7 Bell type Arch punches in sizes 3/16" (5mm), 5/16" (8mm), 7/16" (11mm), 9/16" (14mm), 23/32" (18mm), 27/32" (21mm) & 15/16" (24mm) packed in a vinyl pouch
◆ HPL/10/ST	26395	A set of 10 Hollow punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 9/16" (14mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm) & 1" (25mm) packed in a vinyl pouch
◆ HPL/14/ST	26396	A set of 14 punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 9/16" (14mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm), 1" (25mm), 1.3/16" (30mm), 1.1/4" (32mm), 1.3/8" (35mm) & 1.1/2" (38mm) packed in a wooden box
HPL/16/ST	26397	A set of 16 punches in sizes 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 7/16" (11mm), 17/32" (13mm), 9/16" (14mm), 5/8" (16mm), 3/4" (19mm), 7/8" (22mm), 1" (25mm), 1.3/16" (30mm), 1.1/4" (32mm), 1.3/8" (35mm), 1.1/2" (38mm), 1.25/32" (45mm) & 2" (50mm) packed in a wooden box

# 13

## COLD CHISELS

Manufactured to the highest safety standards, cold chisels are individually forged from high quality steel. The precisely ground cutting edge is induction hardened (52 – 58 HRC) to give improved performance over longer periods of time. Hardness at the striking end is maintained to under 42 HRC, so that the head will not splinter when subject to hammer blows. Shank is powder coated and the cutting edge is accurately ground.

### Acc BS 3066

These are available in the following types:

1. Octagonal Cold Chisels
2. Concrete Point Chisels

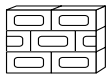


52-58  
HRC



forged  
construction

### UTILITY



masonry



industrial



### OCTAGONAL COLD CHISELS

They are used for general work on cutting and chipping of metals, and shaping, facing and cutting of stonework. The extra long chisels are useful for all cutting and shaping jobs where extra length is required. The larger size cold chisels are also available with strong impact proof polypropylene hand guards. These are designed to protect the user's hands from misplaced hammer blows.

Cat.Nr.	Ordering Nr.	Blade Width (W)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
<b>OCTAGONAL COLD CHISELS</b>							
CHS/4/1-4	32827	1/4	6	1/4	6	4	100
CHS/5/1-4	32800	1/4	6	1/4	6	5	125
CHS/6/1-4	32828	1/4	6	1/4	6	1/4	150
CHS/5/5-16	32801	5/16	8	1/4	6	5	125
CHS/4/3-8	32817	3/8	10	5/16	8	4	100
CHS/5/3-8	32829	3/8	10	5/16	8	5	125
CHS/5.5/3-8	32802	3/8	10	5/16	8	5.1/2	140
◆CHS/6/1-2	32803	1/2	13	7/16	11	6	150
CHS/8/1-2	32818	1/2	13	7/16	11	8	200
CHS/10/1-2	32831	1/2	13	7/16	11	10	250
CHS/12/1-2	32810	1/2	13	7/16	11	12	300
CHS/6.5/5-8	32804	5/8	16	1/2	13	6.1/2	163
CHS/7/5-8	32819	5/8	16	1/2	13	7	175
CHS/12/5-8	32811	5/8	16	1/2	13	12	300
CHS/18/5-8	32820	5/8	16	1/2	13	18	450
CHS/7/3-4	32805	3/4	19	5/8	16	7	175
◆CHS/8/3-4	32825	3/4	19	5/8	16	8	200
◆CHS/10/3-4	32826	3/4	19	5/8	16	10	250
◆CHS/12/3-4	32812	3/4	19	5/8	16	12	300
CHS/18/3-4	32815	3/4	19	5/8	16	18	450





Cat.Nr.	Ordering Nr.	Blade Width (W)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
CHS/24/3-4	32832	3/4	19	5/8	16	24	600
CHS/7.5/7-8	32806	7/8	22	3/4	19	7.1/2	190
CHS/8/7-8	32821	7/8	22	3/4	19	8	200
CHS/12/7-8	32813	7/8	22	3/4	19	12	300
CHS/8/0-1	32807	1	25	7/8	22	8	200
CHS/9/0-1	32833	1	25	7/8	22	9	225
◆ CHS/10/0-1	32823	1	25	7/8	22	10	250
◆ CHS/12/0-1	32814	1	25	7/8	22	12	300
CHS/15/0-1	32824	1	25	7/8	22	15	380
CHS/18/0-1	32816	1	25	7/8	22	18	450
CHS/24/0-1	32834	1	25	7/8	22	24	600

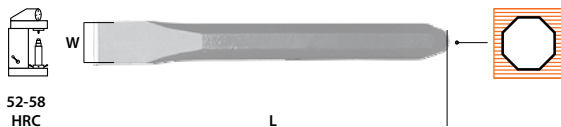
**SET**

CHS/6/ST	32830	A set of 6 Chisels of size 5"x 1/4" (125mm x 6mm), 5" x 5/16" (125 mm x 8mm), 5.5"x 3/8" (140mm x 10mm), 6"x1/2" (150 mm x 13mm), 6.5"x 5/8" (163mm x 16mm), 7" x 3/4" (175mm x 19mm) packed in a vinyl pouch					
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**OCTAGONAL COLD CHISELS WITH GRIP GUARD**

◆ CHS/10/3-4/GRP/YE	32841	3/4	19	5/8	16	10	250
◆ CHS/12/3-4/GRP/YE	32843	3/4	19	5/8	16	12	300
CHS/18/3-4/GRP/YE	32845	3/4	19	5/8	16	18	450
CHS/8/0-1/GRP/YE	32840	1	25	7/8	22	8	200
◆ CHS/10/0-1/GRP/YE	32842	1	25	7/8	22	10	250
◆ CHS/12/0-1/GRP/YE	32844	1	25	7/8	22	12	300
CHS/18/0-1/GRP/YE	32846	1	25	7/8	22	18	450

◆ **BESTSELLER**



52-58 HRC

**CONCRETE POINT CHISELS**

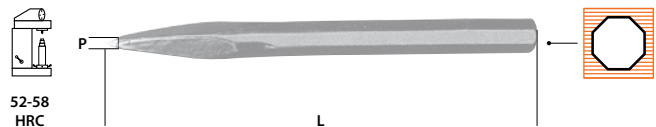
These are used for breaking up concrete floors, sidewalks etc. Channels in concrete floors should be marked out with a flat chisel before using the Concrete Point Chisel for stock removal. The larger sizes are available with strong impact proof polypropylene handguards that protect the users hands from misplaced hammer blows.

Cat.Nr.	Ordering Nr.	Point Size (P)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
CRP/150-13	32650	5/32	4	1/2	13	6	150
CRP/200-13	32651	5/32	4	1/2	13	8	200
CRP/250-16	32652	7/32	5	5/8	16	10	250
◆ CRP/250-19	32653	1/4	6	3/4	19	10	250
◆ CRP/300-19	32654	1/4	6	3/4	19	12	300

**CONCRETE POINT CHISELS WITH GUARD**

■ CRP/250-19/GRP	32661	1/4	6	3/4	19	10	250
■ CRP/300-19/GRP	32662	1/4	6	3/4	19	12	300

◆ **BESTSELLER** ■ **NEW**



52-58 HRC

# 14

## BOLSTERS

Bolsters are manufactured as a single piece forging from high quality carbon steel, accurately hardened to BS 3066 specification.

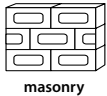
The cutting edge is hardened 52 - 58 HRC with the striking end maintained under 42 HRC

The complete Bolster is powder coated and the cutting edge is accurately ground. Each Bolster is permanently marked with safety warning message.

Brick Bolsters are also available with polypropylene hand guards. These hand guards are designed to protect the user's hands from misplaced hammer blows.

Acc BS 3066

### UTILITY



masonry



forged construction



### BRICK BOLSTER

Brick Bolsters are used for cutting brick, stone & paving slabs. These should not be used on concrete containing reinforcing bars

BRICK BOLSTERS							
Cat.No.	Ordering Nr.	Blade Width (W)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
◆ BRC/75	32601	3	75	7/8	22	9	230
◆ BRC/100	32602	4	100	7/8	22	9	230
BRC/115	32603	4.1/2	115	1	25	9	230
BRICK BOLSTERS WITH GUARD							
◆ BRC/75/GRP/YE	32621	3	75	7/8	22	9	230
◆ BRC/100/GRP/YE	32622	4	100	7/8	22	9	230
BRC/115/GRP/YE	32628	4.1/2	115	1	25	9	230

◆ BESTSELLER



# 15 WRECKING BARS

Manufactured from octagonal section steel, Wrecking Bars have a forged construction. These are useful for leveraging timber and for pulling out nails from timber, dismantling wooden crates etc. All Wrecking Bars come in attractive powder coated finish



Cat.No.	Ordering Nr.	Length		Section	
		Inch	mm	Inch	mm
WB/000	33100	12	300	5/8	16
WB/00	33101	16	400	5/8	16
◆WB/01	33102	18	450	5/8	16
WB/02	33103	20	500	5/8	16
◆WB/03	33104	24	600	3/4	19
WB/04	33105	28	700	3/4	19
WB/05	33106	30	750	3/4	19
WB/07	33108	36	900	3/4	19
WB/06	33107	40	1000	3/4	19

◆ BESTSELLER



## ELECTRICIAN'S BOLSTER

With a much thinner blade construction than a Brick Bolster, Electrician's Floorboard Bolsters are used for cutting tongued joints & lifting floorboards.

### FLOOR CHISELS / ELECTRICIAN BOLSTER

Cat.No.	Ordering Nr.	Blade Width (W)		Stock Size		Overall Length (L)	
		Inch	mm	Inch	mm	Inch	mm
◆FLR/CHS/9/2-1-2	32642	2.1/2	63	5/8	16	9	230
FLR/CHS/12/0-3	32641	3	75	3/4	19	12	300

### FLOOR CHISELS / ELECTRICIAN BOLSTERS WITH GUARD

◆FLR/CHS/9/2-1-2/GRP/YE	32643	2.1/2	63	5/8	16	9	230
FLR/CHS/12/0-3/GRP/YE	32645	3	75	3/4	19	12	300

◆ BESTSELLER



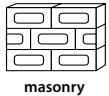
# 16

## BRICKLAYER'S LINE PINS

Used in conjunction with builder's lines for marking out positions or aligning brickwork etc. Line Pins are individually forged. Accurately hardened these are suitable for use with hardened mortar as well. Line Pins have a rust inhibiting plated finish and are sold as a set of two

Cat.No.	Ordering Nr.	Overall Length	
		Inch	mm
LPN/01/ST	32659	6	150

### UTILITY



Line Pin being used for aligning wall with corner



# 17

## PUNCH & CHISEL SETS

A range of kits carefully thought about, keeping in mind the needs of the journeyman... the farmer or rancher... the mechanic... the carpenter. This is an excellent way to keep your tools organized. These kits are packed in heavy-duty terylene pouches for easy access, organization and storage



KIT/24/ST

### CAT.NR.: KIT/24/ST ORDERING NR.: 33003 / 24 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/5/1-4	1/4	6	1/4	6	5	125
CHS/5/5-16	5/16	8	1/4	6	5	125
CHS/5/5/3-8	3/8	10	5/16	8	5.1/2	140
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
CHS/7.5/7-8	7/8	22	3/4	19	7.1/2	190
<b>Centre Punches – Heavy Duty</b>						
CP/HD/1-4	1/4	6	1/2	12	6	150
CP/HD/5-32	5/32	4	3/8	10	5	125
CP/HD/5-64	5/64	2	1/4	6	3.1/2	90
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-16	1/16	1.5	1/4	6	4	100
PP/HD/3-32	3/32	2.5	5/16	8	4.1/2	112
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/5-32	5/32	4	5/16	8	5	125
PP/HD/3-16	3/16	5	3/8	10	5.1/4	132
PP/HD/1-4	1/4	6	3/8	10	5.3/4	145
PP/HD/5-16	5/16	8	7/16	11	6	150
<b>Starting Punches – Heavy Duty</b>						
SGP/HD/1-16	1/16	1.5	3/8	10	5	125
SGP/HD/1-8	1/8	3	3/8	10	5	125
SGP/HD/5-32	5/32	4	3/8	10	5	125
SGP/HD/3-16	3/16	5	3/8	10	5	125
SGP/HD/1-4	1/4	6	3/8	10	5	125
SGP/HD/5-16	5/16	8	1/2	12	6	150
ACP/1B	Automatic Center Punch, Black Powder Coated – Length 4.3/4" (120 mm), Body Diameter 33/64" (13 mm)					





KIT/14/ST



KIT/26/ST

CAT. NR.: KIT/14/ST ORDERING NR.: 33001 / 14 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/5.5/3-8	3/8	10	5/16	8	5.1/2	140
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
CHS/7.5/7-8	7/8	22	3/4	19	7.1/2	190
<b>Centre Punches – Heavy Duty</b>						
CP/HD/5-32	5/32	4	3/8	10	5	125
CP/HD/1-4	1/4	6	1/2	12	6	150
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-16	1/16	1.5	1/4	6	4	100
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/3-16	3/16	5	3/8	10	5.1/4	132
<b>Drift Punches – Heavy Duty</b>						
DFP/HD/1-8	1/8	3	5/16	8	8	200
DFP/HD/5-32	5/32	4	3/8	10	9	225
<b>Starting Punches – Heavy Duty</b>						
SGP/HD/5-16	5/16	8	1/2	12	6	150
SGP/HD/1-8	1/8	3	3/8	10	5	125

UTILITY



industrial

CAT. NR.: KIT/26/ST ORDERING NR.: 33004 / 26 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/ST/5/1-4	1/4	6	1/4	6	5	125
CHS/5/5-16	5/16	8	1/4	6	5	125
CHS/5.5/3-8	3/8	10	5/16	8	5.1/2	140
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
CHS/7.5/7-8	7/8	22	3/4	19	7.1/2	190
CHS/8/0-1	1	25	1/2	13	8	200
CHS/12/1-2	1/2	13	7/16	11	12	300
<b>Centre Punches – Heavy Duty</b>						
CP/HD/1-4	1/4	6	1/2	12	6	150
CP/HD/3-8	3/8	10	5/8	16	6.1/4	160
CP/HD/5-32	5/32	4	3/8	10	5	125
<b>Pin Punches – Heavy Duty</b>						
PP/HD/3-32	3/32	2.5	5/16	8	4.1/2	112
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/5-32	5/32	4	5/16	8	5	125
PP/HD/3-16	3/16	5	3/8	10	5.1/4	132
PP/HD/1-4	1/4	6	3/8	10	5.3/4	145
PP/HD/3-8	3/8	10	1/2	12	6.1/2	163
<b>Starting Punches – Heavy Duty</b>						
SGP/HD/1-16	1/16	1.5	3/8	10	5	125
SGP/HD/1-8	1/8	3	3/8	10	5	125
SGP/HD/3-16	3/16	5	3/8	10	5	125
SGP/HD/1-4	1/4	6	3/8	10	5	125
<b>Drift Punches – Heavy Duty</b>						
DFP/HD/1-8	1/8	3	5/16	8	8	200
DFP/HD/3-16	3/16	5	1/2	12	10	250
DFP/HD/1-4	1/4	6	5/8	16	12	300
<b>Drift Punches – Heavy Duty</b>						
PKP/HD/3-8	5/32	4	3/8	10	5	125



KIT/8/ST

KIT/16/ST



## UTILITY



automotive



industrial

CAT.NR.: KIT/8/ST ORDERING NR: 33000 / 8 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
<b>Centre Punches – Heavy Duty</b>						
CP/HD/5-32/SPL	5/32	4	5/16	10	5.1/2	125
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/3-16/SPL	3/16	5	5/16	8	5.1/4	132
PP/HD/1-4	1/4	6	3/8	10	5.3/4	145
<b>Starting Punches – Heavy Duty</b>						
SGP/HD/3-16	3/16	5	3/8	10	5	125

CAT.NR.: KIT/16/ST ORDERING NR.: 33002 / 16 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/5/5-16	5/16	8	1/4	6	5	125
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
CHS/8/7-8/SPL	7/8	22	5/8	16	8	200
<b>Centre Punches – Heavy Duty</b>						
CP/HD/1-8	1/8	3	5/16	8	4.1/4	108
CP/HD/5-32/SPL	5/32	4	5/16	8	5.1/2	138
CP/HD/1-4/SPL	1/4	6	3/8	10	6	150
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/3-16/SPL	3/16	5	5/16	8	5.1/4	132
PP/HD/1-4	1/4	6	3/8	10	5.3/4	145
<b>Drift Punches – Heavy Duty</b>						
DFP/HD/3-16/SPL	3/16	5	5/16	8	10	250
DFP/HD/1-4/SPL	1/4	6	3/8	9.5	10	250
<b>Starting Punches – Heavy Duty</b>						
SGP/HD/1-8/SPL	1/8	3	5/16	8	5	125
SGP/HD/3-16	3/16	5	3/8	10	5	125
SGP/HD/1-4	1/4	6	3/8	10	5	125



KIT/7/ST



KIT/13/ST

UTILITY



automotive

CAT.NR.: KIT/7/ST ORDERING NR.: 33005 / 7 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
<b>Centre Punches – Heavy Duty</b>						
CP/HD/5-32	5/32	4	5/16	8	5.1/2	138
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/3-16/SPL	3/16	5	5/16	8	5.1/4	132
<b>Drift Punches – Heavy Duty</b>						
DFP/HD/5-32	5/32	4	3/8	10	9	230

CAT.NR.: KIT/13/ST ORDERING NR.: 33006 / 13 PC PUNCH AND CHISEL KIT

Constituents	Blade Width		Stock Size		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
<b>Octagonal Cold Chisels</b>						
CHS/6/1-2	1/2	13	7/16	11	6	150
CHS/6.5/5-8	5/8	16	1/2	13	6.1/2	163
CHS/7/3-4	3/4	19	5/8	16	7	175
<b>Centre Punches – Heavy Duty</b>						
CP/HD/1-4	1/4	6				
<b>Pin Punches – Heavy Duty</b>						
PP/HD/1-8	1/8	3	5/16	8	4.3/4	119
PP/HD/3-16/SPL	3/16	5	5/16	8	5.1/4	132
PP/HD/1-4	1/4	6	3/8	10	5.3/4	145
PP/HD/5-16	5/16	8	7/16	11	6	150
PP/HD/3-32/SPL	3/32	2.5	1/4	6	4.1/4	108
<b>Drift Punches – Heavy Duty</b>						
DFP/HD/3-16	3/16	5	1/2	13	10	250
DFP/HD/5-32/SPL	5/32	4	1/2	13	10	250
DFP/HD/3-8/SPL	3/8	10	5/8	16	10	250
<b>Prick Punches – Heavy Duty</b>						
PKP/HD/3-8	3/8	10	3/8	10	5	125



# INDESTRUCTIBLE HANDLE HAMMERS

DON'T MISS  
BACK INSIDE COVER  
FOR THE NEWLY  
LAUNCHED  
CLAW  
HAMMER

[www.groz-tools.com](http://www.groz-tools.com)

02





**STEEL  
LOCKING  
PLATE**

locks head to the handle eliminating loosening or dislodging

**HI-VISIBILITY  
HEAD**

instant identification on any job site

**VULCANIZED  
RUBBER HANDLE**

Absorbs impact & vibration, reducing user fatigue

Protects user in the event of striking an electrical wire

Made from special grade of ozone resistant rubber for use in tough outside environments

Handles on most head sizes weigh more than the head, allowing user to apply double the torque on any struck surface

**DROP  
FORGED  
HEAD**

with striking ends induction hardened

**SPRING  
STEEL BARS**

9/32" (7.1 mm) dia. spring steel bars resist overstrike without breaking

**STEEL REINFORCED  
LANYARD HOLE**



**BS 876**

For material, hardness & performance



# OUTSTANDING DURABILITY

In our desire to build the world's strongest Sledge Hammer, we tested our Indestructible Handle Sledge Hammer against Sledges with different handles. We attached each Sledge to an Electronic drive machine & tested for both Direct & Overstrikes at a strike rate of 80 blows per minute

## DIRECT STRIKE TEST



Wood Handle  
broke in 450  
Strikes



Fibre Glass Handle  
broke in 7,000  
Strikes



Gro-Z Indestructible  
Handle Hammers  
recorded 36,000 blows,  
with no indication of  
deformation

## OVERSTRIKE TEST



Wood Handle  
broke in 208  
Overstrikes



Fibre Glass Handle  
broke in 4,126  
Overstrikes



Gro-Z Indestructible  
Handle Hammers  
recorded 36,000 blows,  
with no indication of  
deformation



WE STOPPED  
COUNTING AFTER

**36,000**

STRIKES

**INDESTRUCTIBLE**  
HANDLE  
**GROZ**

**7,000**

STRIKES  
ON FIBRE GLASS  
HANDLE

**450**

STRIKES  
ON WOODEN  
HANDLE

## THE RESULT

The Groz Indestructible Handle Hammers come with a 12 month warranty from Invoice Date. These are designed to ensure that the hammer handle will not break/separate from the hammer head under normal wear & tear. Warranty does not cover use of the hammer other than as a hand-held striking tool, nor to breakage/ mushrooming etc. of the hammer head

# 18

## CLUB HAMMERS **NEW!**

Indestructible Handle is made up of 4 spring steel bars that run all the way through the handle. Bars are locked with the hammer head using steel locking plates ensuring that the head never gets dislodged. Ergonomic rubber grip handle absorbs vibration and reduces fatigue. Special bonding process ensures that the head never gets loose from the handle.

These are available in 2 types:

### 1. Heavy Duty 52 HRC Head

Forged from special steel, the hammer head is induction case hardened 52-56 HRC. These hammers are especially useful in demolition work where the struck surface is softer than the hammer head

#### UTILITY

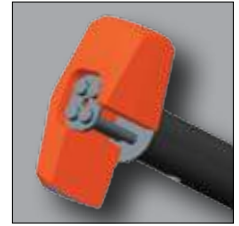
DRIVING IN STAKES  
METALFORMING  
SETTING BOLTS  
MINOR DEMOLITION WORK

### 2. Soft Face 30 HRC Head

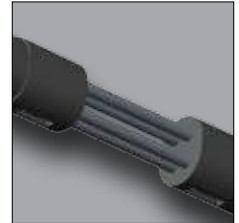
Forged from special steel, the hammer head is induction case hardened & then tempered to reduce hardness to within 30-35 HRC. Softer head is designed to mushroom when striking harder base materials. Prevents damage to struck work pieces

#### UTILITY

CONSTRUCTION  
METAL FORMING  
OVER GROUND MINING  
MAINTENANCE OF CUTTING TOOLS



STEEL LOCKING PLATE



4 SPRING STEEL BARS



ERGONOMIC RUBBER GRIP HANDLE



HEAVY DUTY  
52 HRC HEAD



SOFT FACE  
30 HRC HEAD

Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		lbs	kg	Inch	mm
<b>HEAVY DUTY 52 HRC HEAD</b>					
CHID/2.5/12	34500	2.5	1.1	12	300
◆ CHID/4/12	34501	4	1.8	12	300
CHID/4/16	34502	4	1.8	16	400
<b>SOFT FACE 30 HRC HEAD</b>					
■ CHID/SF/2.5/12	34550	2.5	1.1	12	300
■ CHID/SF/4/12	34551	4	1.8	12	300

◆ BESTSELLER ■ NEW

#### TEMPERATURE



Working Temperature Range  
-10°C (14°F) to 50°C (122°F)



# 19 SLEDGE HAMMERS

**NEW!**

Indestructible Handle is made up of 6 spring steel bars that run all the way through the handle. Bars are locked with the hammer head using steel locking plates ensuring that the head never gets dislodged. Ergonomic rubber grip handle absorbs vibration and reduces fatigue. Special bonding process ensures that the head never gets loose from the handle.

These are available in 2 types:

**1. Heavy Duty 52 HRC Head:**

Forged from special steel, the hammer head is induction case hardened 52-56 HRC. These hammers are especially useful in demolition work where the struck surface is softer than the hammer head. These are also available with a short handle (12-16" length), especially useful in automotive applications

**UTILITY**

- DRIVING IN STAKES
- HEAVY DEMOLITION WORK
- CONSTRUCTION: FRACTURING STONE & CONCRETE
- DRIVING FENCE POSTS
- POLICE, FIRE & RESCUE
- REBAR WORK
- RAILROADS
- BENDING & SHAPING METAL

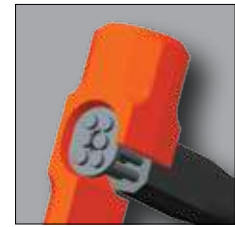
**2. Soft Face 30 HRC Head:**

Forged from special steel, the hammer head is induction case hardened & then tempered to reduce hardness to within 30-35 HRC. Softer head is designed to mushroom when striking harder base materials. Prevents damage to struck work pieces.

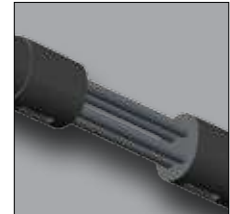
**UTILITY**

- CONSTRUCTION
- AGRICULTURE
- AUTOMOTIVE
- OVERGROUND MINING
- RAILROAD
- MAINTENANCE OF CUTTING TOOLS

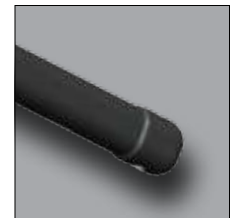
Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		lbs	kg	Inch	mm
<b>HEAVY DUTY 52 HRC HEAD</b>					
■ SHID/6/16	34521	6	2.7	16	400
SHID/6/24	34510	6	2.7	24	600
SHID/6/30	34511	6	2.7	30	750
■ SHID/8/12	34522	8	3.6	12	300
■ SHID/8/16	34523	8	3.6	16	400
◆ SHID/8/24	34512	8	3.6	24	600
◆ SHID/8/30	34513	8	3.6	30	750
■ SHID/8/36	34517	8	3.6	36	900
SHID/10/30	34514	10	4.5	30	750
■ SHID/10/36	34518	10	4.5	36	900
SHID/12/30	34515	12	5.5	30	750
■ SHID/12/36	34519	12	5.5	36	900
◆ SHID/14/30	34516	14	6.3	30	750
■ SHID/14/36	34520	14	6.3	36	900



STEEL LOCKING PLATE



6 SPRING STEEL BARS



ERGONOMIC RUBBER GRIP HANDLE



HEAVY DUTY 52 HRC HEAD

SOFT FACE 30 HRC HEAD

**TEMPERATURE**



**Working Temperature Range**  
-10°C (14°F) to 50°C (122°F)

Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		lbs	kg	Inch	mm
<b>SOFT FACE 30 HRC HEAD</b>					
■ SHID/SF/6/30	34560	6	2.7	30	750
■ SHID/SF/8/30	34561	8	3.6	30	750
■ SHID/SF/10/30	34562	10	4.5	30	750
■ SHID/SF/12/30	34563	12	5.5	30	750

◆ BESTSELLER ■ NEW

INDESTRUCTIBLE handle hammers

35

# 20

## COPPER HEAD SLEDGE HAMMERS

**NEW!**



Indestructible Handle is made with Spring Steel Bars that run all the way through the handle. Bars are locked with the Hammer Head using Steel Locking Plates ensuring that the head never gets dislodged. Ergonomic Rubber Grip Handle absorbs shock & vibration reducing fatigue. Special bonding process ensures that head never gets loose from the handle.

Hammer Head is forged from 99.9% pure Copper for Spark free use. Copper Head resists sparking & reduces marring of most struck surfaces



**NON SPARKING**



**NON MARRING**

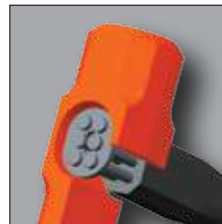
### UTILITY

METAL FORMING  
MINING  
UNDERGROUND COAL MINING

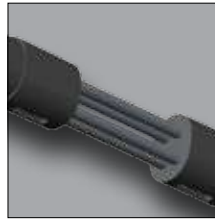
### TEMPERATURE



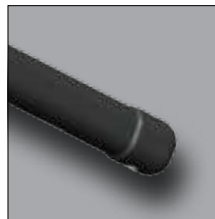
**Working Temperature Range**  
**-10°C (14°F) to 50°C (122°F)**



STEEL LOCKING PLATE



4-6 SPRING STEEL BARS



ERGONOMIC RUBBER GRIP HANDLE

Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		lbs	kg	Inch	mm
CHID/4/12/CU	34600	4	1.8	12	300
SHID/8/24/CU	34610	8	3.6	24	600
SHID/14/30/CU	34611	14	6.3	30	750

# 21

## BALL PEIN HAMMERS

**NEW!**



Indestructible 14" (350 mm) long handle is made with Spring Steel Bars that run all the way through the handle. Bars are locked with the Hammer head using Steel Locking Plates ensuring that the head never gets dislodged. Ergonomic Rubber Grip Handle absorbs shock & vibration reducing fatigue. Special bonding process ensures that head never gets loose from the handle.

Hammer Head is forged from special steel & is induction case hardened to 52 to 56 HRC for extended life.

### TEMPERATURE



**Working Temperature Range**  
-10°C (14°F) to 50°C (122°F)

### WARNING

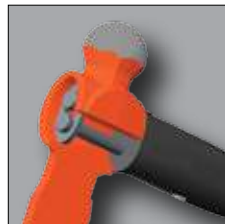
Do not strike objects harder than 46 HRC. Striking items of a greater hardness is liable to cause fracture or chipping

### UTILITY

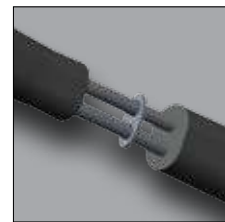
BENDING & SHAPING METAL  
DRIVING PUNCHES & CHISELS  
CONCRETE & STONE WORK  
HAND FORGING  
SETTING RIVETS  
PEEN RIVETED & WELDED MATERIAL  
TEXTURING FACE OF METAL

Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		oz.	Inch	mm	mm
BPID/24/14	34540	24	14	350	
BPID/32/14	34541	32	14	350	
■ BPID/48/14	34542	48	14	350	

■ NEW



STEEL LOCKING PLATE



2 SPRING STEEL BARS



ERGONOMIC RUBBER GRIP HANDLE

# 22

## CROSS PEIN HAMMERS

**NEW!**



Indestructible 16" (400 mm) long handle is made with Spring Steel Bars that run all the way through the handle. Bars are locked with the Hammer head using Steel Locking Plates ensuring that the head never gets dislodged. Ergonomic Rubber Grip Handle absorbs shock & vibration reducing fatigue. Special bonding process ensures that head never gets loose from the handle.

Hammer Head is forged from special steel & is induction case hardened to 52 to 56 HRC for extended life

### TEMPERATURE



**Working Temperature Range**  
-10°C (14°F) to 50°C (122°F)

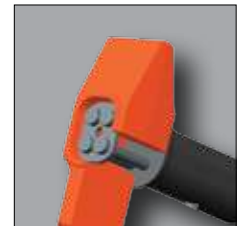
### WARNING

Do not strike objects harder than 46 HRC. Striking items of a greater hardness is liable to cause fracture or chipping

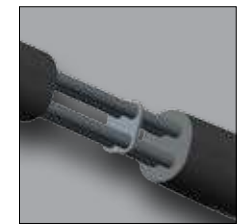
### UTILITY

HEAVY FORGING  
BENDING & SHAPING METAL  
SPREADING METAL  
DRIVING PUNCHES & CHISELS  
DRIVING MASONRY DRILLS  
CONCRETE & STONE WORK  
STARTING PANEL PINS & TACKS

Cat.No.	Ordering Nr.	Head Weight		Handle Length	
		lbs	kg	Inch	mm
CPID/2/16	34530	2.5	1.15	16	400
CPID/3/16	34531	3.5	1.60	16	400



STEEL LOCKING PLATE



4 SPRING STEEL BARS



ERGONOMIC RUBBER GRIP HANDLE

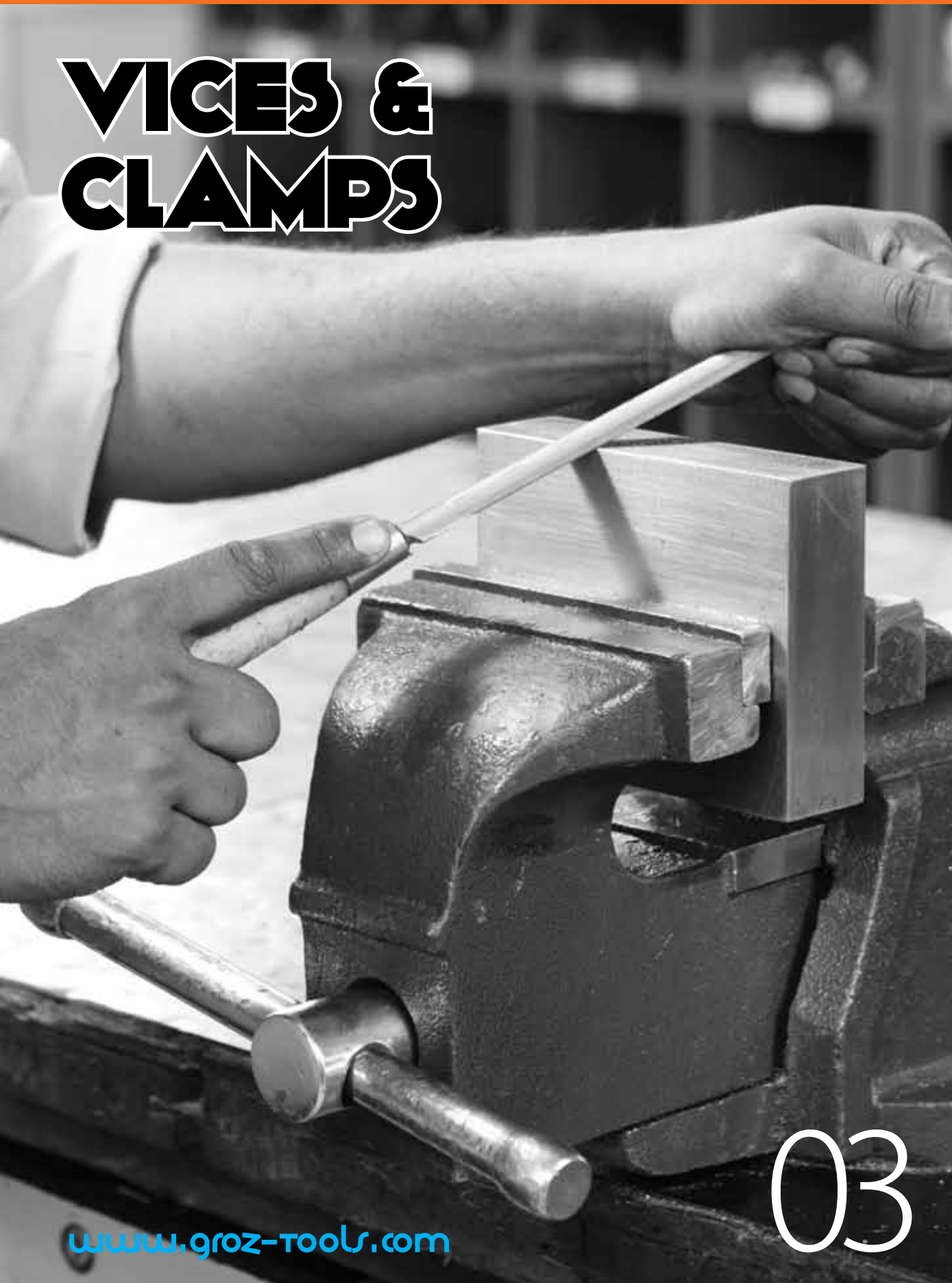


**INDESTRUCTIBLE TECHNOLOGY MAKES OUR HAMMERS IDEAL FOR USE IN CONSTRUCTION & MINING JOBS, WHERE A FAILURE IS MORE THAN JUST AN INCONVENIENCE**

	Club Hammers	Sledge Hammers (6 to 10 lbs)	Sledge Hammers (12 to 14 lbs)	Ball Pein Hammers	Cross Pein Hammers	Copper Head Hammers	Soft Face Hammers
Construction: Fracturing Stone & Concrete		Y	Y				Y
Minor Demolition Work	Y						
Heavy Demolition Work		Y	Y				
Driving Fence Posts		Y	Y				
Driving in Stakes	Y	Y	Y				
Setting Bolts	Y						
Rebar Work		Y	Y				
Railroads		Y	Y				Y
Police , Fire & Rescue		Y	Y				
Concrete & Stone Work					Y		
Driving Masonry Drills	Y						
Mining			Y			Y	Y
Underground Coal Mining						Y	
Metalfforming	Y					Y	Y
Heavy Forging					Y		
Hand Forging				Y			
Bending & Shaping Metal				Y	Y		
Spreading Metal					Y		
Texturing face Of Metal				Y			
Starting Panel pins & tacks					Y		
Setting Rivets				Y			
Peen Riveted & Welded Material				Y			
Driving Punches & Chisels	Y			Y	Y		



# VICES & CLAMPS



# 23

## MECHANICS VICES - BENCH VICES

Groz manufactures a comprehensive range of Mechanic's Vices useful for all general purpose, medium and heavy-duty applications. Manufactured from high quality grey iron castings - a very strong material with excellent shock absorbing capacity and immense strength under compression- these rigid and robust vices are designed for smooth operation and reliability

The front jaw beam with machined construction fully encloses the vice spindle protecting the threads from contaminants and damage. The unbreakable SG Iron nut securely locked in the body ensures maximum thread surface contact and constant alignment between body and the sliding jaw. Jaws are hardened  $45 \pm 5$  HRC for increased resistance to wear. Knurling on jaws ensures a firm grip of the work piece. Perfect alignment of main screw and nut reduces wear and gives long trouble free service.

Vices have an attractive powder coated finish with main screw and handle chrome plated. The anvil has a ground finish.

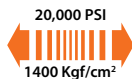
A common sight in almost all workshops and garages, these are available with a fixed or swivel base. The swivel base allows rotation through  $360^\circ$  making these vices useful in confined spaces or in applications where the angle of the vice has to be frequently changed to accept work of varying lengths. The swivel base can be conveniently removed and the vice converted back to a regular fixed base vice.

These are available in 2 types:

- 1) Heavy Duty Mechanic's BV Series Vices
- 2) Mechanic's BNV Series Vices



Cast



Tensile Strength

### UTILITY



industrial



automotive

### WARNING



no hammering

FIXED  
BASE  
VICES



SWIVEL  
BASE  
VICES



## HEAVY DUTY BV SERIES

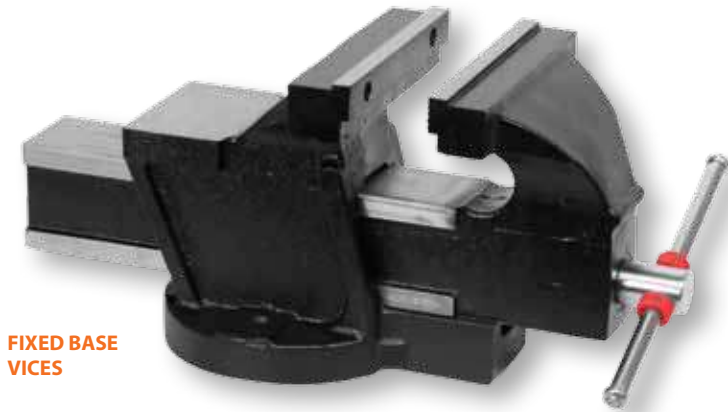
These are amongst the heaviest vices in the market place. The strong body, heavy slide jaw and large diameter main screw are designed to withstand tough usage in industrial applications and training workshops. Swivel bases are available as spares.

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Throat Depth		Net Wt. Each Kg.
		Inch	mm	Inch	mm	Inch	mm	
<b>FIXED BASE VICES</b>								
BV/F/75	35400	3	75	4	100	2	50	5.500
◆ BV/F/100	35401	4	100	5	125	2.5/32	55	9.700
BV/F/125	35402	5	125	6	150	2.3/4	70	14.700
◆ BV/F/150	35403	6	150	7	175	3.5/32	80	18.200
BV/F/200	35404	8	200	8	200	4	100	30.400
<b>SWIVEL BASE VICES</b>								
BV/S/75	35405	3	75	4	100	2	50	6.500
BV/S/100	35406	4	100	5	125	2.5/32	55	11.800
◆ BV/S/125	35407	5	125	6	150	2.3/4	70	18.000
◆ BV/S/150	35408	6	150	7	175	3.5/32	80	22.000
BV/S/200	35409	8	200	8	200	4	100	36.400

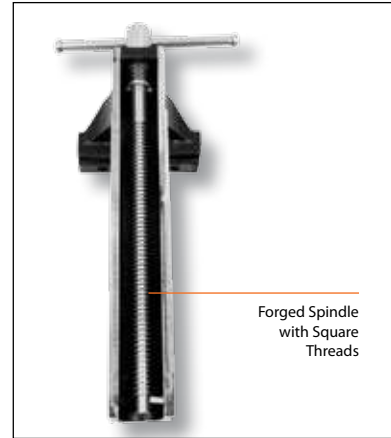
### SWIVEL BASES

Cat. Nr.	Ordering Nr.	Suitable for Vice With Jaw Width	
SWB/75	35420	3"	75 mm
SWB/100	35421	4"	100 mm
SWB/125	35422	5"	125 mm
SWB/150	35423	6"	150 mm
SWB/200	35424	8"	200 mm

◆ BESTSELLER



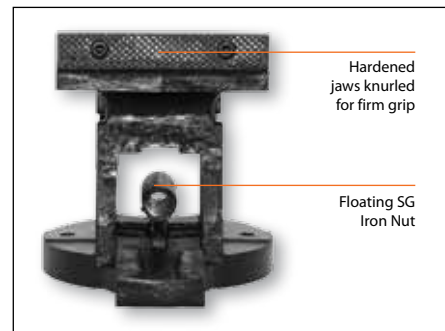
**FIXED BASE VICES**



Forged Spindle with Square Threads



**SWIVEL BASE VICES**



Hardened jaws knurled for firm grip

Floating SG Iron Nut

**BNV SERIES VICES** **NEW!**

Though lighter in weight than the Heavy Duty model, these are extremely sturdy and very useful in general purpose workshop applications

These vices are designed for gripping / holding jobs and should not be used where heavy hammering is anticipated.

Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Throat Depth		Net Wt. Each Kg
		Inch	mm	Inch	mm	Inch	mm	
<b>FIXED BASE</b>								
BNV/F/100	35471	4	100	4	100	2-9/32	58	7.00
BNV/F/125	35472	5	125	5	125	2-7/8	72	10.50
BNV/F/150	35473	6	150	6	150	3-1/8	79	13.50
BNV/F/200	35474	8	200	8	200	3-9/64	80	21.50
<b>SWIVEL BASE</b>								
BNV/S/100	35481	4	100	4	100	2-9/32	58	8.00
BNV/S/125	35482	5	125	5	125	2-7/8	72	12.00
BNV/S/150	35483	6	150	6	150	3-1/8	79	15.50
BNV/S/200	35484	8	200	8	200	3-9/64	80	24

# 24

## ENGINEER'S STEEL BENCH VICES

With an all steel construction, these fixed base vices are built to withstand the shocks of hammering, chipping and other tough applications.

Each vice has an integrated anvil for shaping and beating, together with an extra heavy-duty sliding jaw and large diameter screw. Forged tommy bar along with the steel main screw helps in effective transmission of pressure on the work piece.

Carbon Steel jaws are hardened  $50 \pm 5$  HRC to withstand tough use and are serrated for non-slip grip. Safety stopper provided at the end of slide prevents slide from fall during usage.

Also available is the **Offset Jaw Vice**: Offset jaw design allows for unlimited vertical depth for holding long jobs without any obstruction from the vice slide



### UTILITY

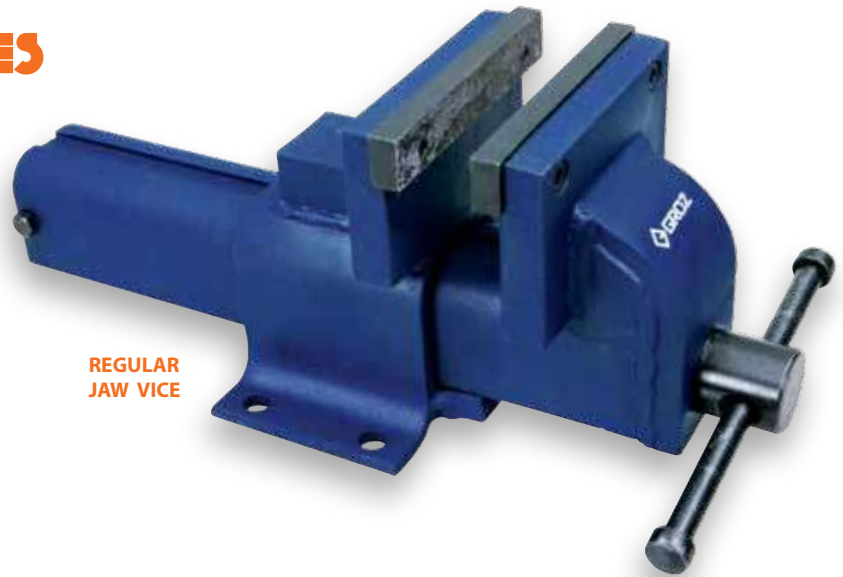


automotive

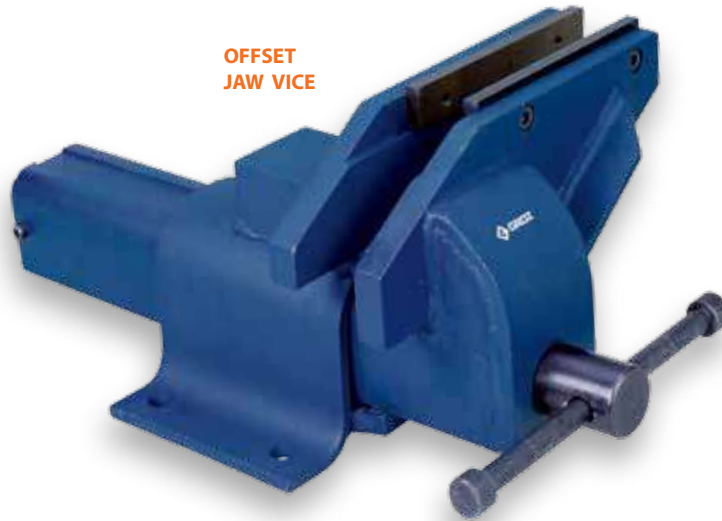


industrial

**Offset jaws hold long & bulky jobs without obstruction from the vice slide**



**REGULAR JAW VICE**



**OFFSET JAW VICE**

Cat.Nr.	Ordering Nr.	Jaw Width (W)		Jaw Opening		Throat Depth (D)		Net Wt kgs
		Inch	mm	Inch	mm	Inch	mm	
<b>REGULAR JAW VICES</b>								
EBV/F/100	35450	4	100	4.3/4	120	3.5/32	80	6.30
◆ EBV/F/150	35451	6	150	6	150	3.5/8	90	18.00
◆ EBV/F/200	35452	8	200	8	200	4.3/8	110	37.500
■ EBV/F/250	35458	10	250	10	250	4-23/32	120	43.00
■ EBV/F/300	35459	12	300	12	300	6	150	46.50
■ EBV/F/375	35457	15	375	15	375	6	150	78.00
<b>OFFSET JAW VICES</b>								
OBV/F/100	35460	4	100	4.3/4	120	—	—	7.00
◆ OBV/F/150	35461	6	150	7	175	—	—	20.00
OBV/F/200	35462	8	200	8	200	—	—	40.00

◆ BESTSELLER

■ NEW



# 25

## DRILL PRESS VICES UNIGRIP

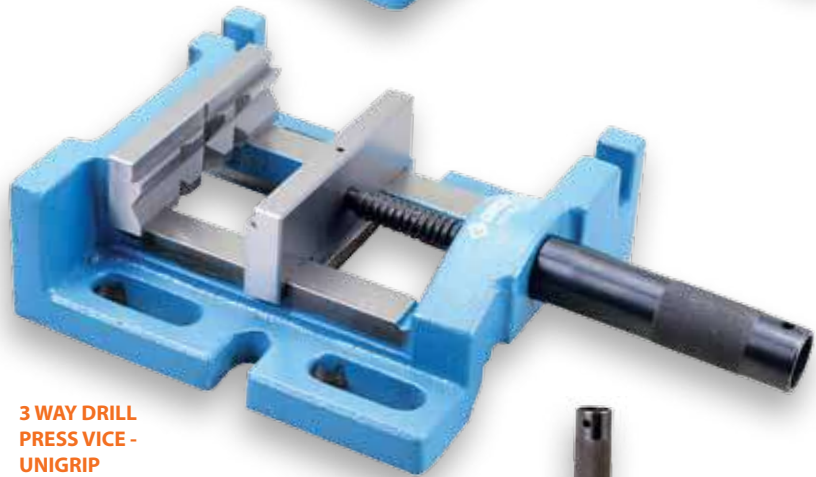
Sturdy craftsman design for drill stands, bench drills and drill presses, these compact vices have a low profile format making them suitable for multitude of metal working and woodworking applications.

Manufactured from graded cast iron, vices have a precision ground base and vice bed for smooth lateral movement of the movable jaw. Fixed jaw with 3 longitudinal and 1 transversal prisms allows firm gripping of round stock both horizontally and vertically. Special seat in jaws facilitates clamping of low height work pieces. Spindle moves inside the hollow hand grip allowing the vice to be tightened at any position on the table thus increasing the scope of application of the vice. Elongated clamping slots for rapid adjustment of the vice on the work table help save time.

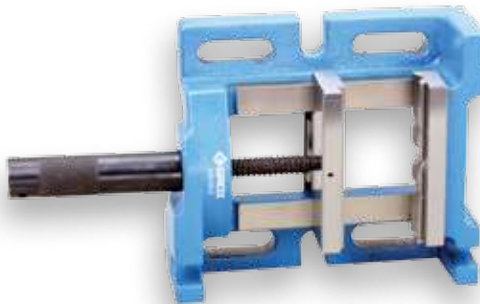
This vice is also available with 3 mounting options via 2 additional precisely ground surfaces: end face and side face. This allows for drilling along all axes with a single setting of the job and holding of long workpieces which are cumbersome and difficult to manage in regular vices.



DRILL PRESS VICE - UNIGRIP



3 WAY DRILL PRESS VICE - UNIGRIP



Fully ground side face allows for right angle machining with the same jaw setting. The jaw width acts as jaw height facilitating longer workpieces to be held



Fully ground end face allows for right angle machining with the same machine setting



Cast

GROUND BASE



### UTILITY



industrial

DRILL PRESS VICES - UNIGRIP							
Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth	
		Inch	mm	Inch	mm	Inch	mm
DPV/UG/75	35120	3.3/16	80	2.3/4	70	1.3/16	30
◆ DPV/UG/100	35121	4	100	3.5/8	92	1.3/16	30
◆ DPV/UG/125	35122	5	120	4.3/8	110	1.3/8	35
3 WAY DRILL PRESS VICE - UNIGRIP							
DPV/UG/3/100	35125	4	100	3.1/2	88	1.3/16	30

◆ BESTSELLER

# 26

## DIY DRILL PRESS VICES

Useful for light drilling operations, these vices are manufactured from graded cast iron and have a ground base for smooth movement. Fixed jaw with 3 longitudinal and 1 transversal prisms allows firm gripping of round stock both horizontally and vertically. Special seat in jaws facilitates clamping of low height work pieces

Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Jaw Depth	
		Inch	mm	Inch	mm	Inch	mm
DPV/CI/63	35194	2.1/2	63	2.3/8	61	1	25
DPV/CI/80	35195	3.3/16	80	3.9/32	84	1	25
DPV/CI/100	35196	4	100	3.3/8	86	1	25

### UTILITY



Cast



industrial



DIY



# 27

## REVERSIBLE VICE

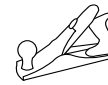
A compact and convenient vice suitable for a variety of DIY applications. Unique design additionally allows it to be used as a Pen Press. Made from cast iron, the body and sliding jaw are aligned with two steel guide rods and the main screw for smooth action. Polypropylene jaws impart a soft yet firm grip. Under pressure these jaws deform around the work piece and return to their original shape when the work is removed. Jaw capacity can be doubled from 3.1/2" (90mm) to 7" (175mm) by removing the sliding jaw and placing it at the back of the body-making the vice reversible. With a 360° swivel base this is amongst the most versatile and convenient work holding tools

Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Throat Depth		Pipe Jaw Capacity	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
RV/75-175	35530	3.1/2	90	3.1/2	90	1.1/2	40	7/8	22
				Reversed					
		7	175						

### UTILITY



Cast



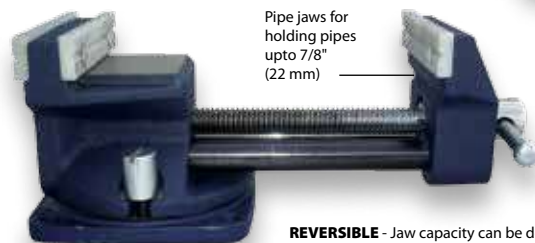
woodworking



DIY



V Grooved polypropylene jaws help in holding round and thin materials gently but firmly



Pipe jaws for holding pipes upto 7/8" (22 mm)

**REVERSIBLE** - Jaw capacity can be doubled from 3.1/2"(90mm) to 7"(175mm) by removing the main screw, guide, rods, sliding jaw section and placing it in the back of the body

# 28

## HOBBYIST VICES

Groz manufactures a complete range of compact vices for a wide variety of metal and woodworking applications. While ideal for use by model makers and DIY enthusiasts, these can also be used by the serious craftsman for light duty jobs. Manufactured from high quality grey iron castings, these are machined to close tolerances resulting in smooth operation and reliability. Vices have an attractive enamelled finish with main screw and handle in chrome plated finish.

These are available in 3 types:

### Hobbyist Vices with fixed and swivel bases:

For applications that involve working in confined spaces, the swivel base vice is the ideal answer.

### Hobbyist Vices with an integrated clamp:

The integrated clamp renders portability to the vice allowing it to be clamped conveniently onto any working surface.

### Hobbyist Vice with swivel base and integrated clamp:

Portable and compact, the built in clamp allows the vice to be clamped onto any surface 1.1/2" (38 mm) deep easily. The swiveling base further enhances the versatility of the vice.



Cast

### UTILITY

### DIY

Cat. Nr.	Ordering Nr.	Jaw Width		Integrated Clamp Capacity	
		Inch	mm	Inch	mm
<b>FIXED BASE</b>					
◆ TBV/FB/32	35510	1.1/4	32	--	--
TBV/FB/40	35511	1.5/8	40	--	--
TBV/FB/50	35512	2	50	--	--
TBV/FB/60	35513	2.3/8	60	--	--
TBV/FB/75	35514	3	75	--	--
<b>SWIVEL BASE</b>					
TBV/SB/32	35515	1.1/4	32	--	--
TBV/SB/40	35516	1.5/8	40	--	--
TBV/SB/50	35517	2	50	--	--
◆ TBV/SB/60	35518	2.3/8	60	--	--
◆ TBV/SB/75	35519	3	75	--	--
<b>WITH INTEGRATED CLAMP</b>					
TBV/C/32	35521	1.1/4	32	1.1/8	29
TBV/C/40	35522	1.5/8	40	1.3/8	35
TBV/C/50	35523	2	50	1.3/8	35
◆ TBV/C/60	35524	2.3/8	60	1.11/16	43
TBV/C/75	35525	3	75	1.3/4	45
TBV/C/100	35526	4	100	1.3/4	45
<b>WITH SWIVEL BASE AND INTEGRATED CLAMP</b>					
TBV/RC/50	35520	2	50	1.1/2	38

◆ BESTSELLER



FIXED BASE VICE



SWIVEL BASE VICE



HOBBYIST VICES WITH AN INTEGRATED CLAMP



HOBBYIST VICE WITH SWIVEL BASE & INTEGRATED CLAMP

# 29 HAND VICES

Manufactured from high grade cast iron, these vices are best suited for working on small jobs. The vice can either be gripped in one hand or held between the jaws of a larger vice thus allowing better access to the work piece. The jaws are tightened by means of a large wing nut. Vice body has an attractive enamelled finish, the main screw is plated which prevents corrosion

Cat. Nr.	Ordering Nr.	Overall Length		Jaw Width	
		Inch	mm	Inch	mm
HV/75	35500	3	75	1.3/8	35
◆ HV/100	35501	4	100	1.9/16	40
HV/125	35502	5	125	2	50

◆ BESTSELLER

UTILITY

DIY



Cast



# 30 ANVILS CAST STEEL

Professional quality anvils, these are manufactured from cast steel that allows these to be used for far more rigorous applications than a conventional cast iron anvil. The anvil face is precision ground and provided with Pritchel & Hardy holes. The beak is strong and can be used for bending applications. Anvil body has an attractive oven baked finish. An unbreakable, indispensable tool for any workshop

Cat. Nr.	Ordering Nr.	Size	
		Kg	lbs
AVL/CS/5	14210	5	11
AVL/CS/10	14211	10	22
AVL/CS/15	14212	15	33
AVL/CS/20	14213	20	44
AVL/CS/30	14214	30	66
AVL/CS/40	14215	40	88
◆ AVL/CS/50	14216	50	110

◆ BESTSELLER



Cast





# 31

## G CLAMPS GENERAL PURPOSE

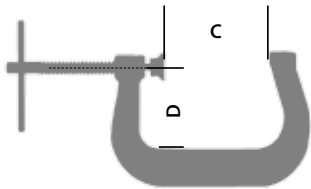
The Groz 13D Series G clamps are by far the most superior and popular amongst various G clamps of this category. Manufactured from SG iron with a tensile strength of over 60,000 PSI these are guaranteed unbreakable under normal usage. Further, the handle is so designed that it will bend before the frame can be overstressed. Steel main screw has ACME threads for smooth operation. The swiveling pad adopts the correct angle and applies even pressure on the work piece.

Frames have attractive textured powder coated finish with spindle in black oxide finish for increased resistance to corrosion.

These are useful for a variety of metal and woodworking applications

**Also available:**

**One Hand Operated G Clamp:** A unique design that is operated using just one hand leaving the other free for holding workpiece



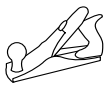
Cat. Nr.	Ordering Nr.	Capacity (C)		Throat Depth (D)		Frame Proof Load	
		Inch	mm	Inch	mm	Kgs	lbs
GCL/13D/50	35807	2	50	1.5/8	42	363	800
GCL/13D/75	35800	3	75	1.11/16	44	455	1000
◆ GCL/13D/100	35801	4	100	2.11/32	59	545	1200
◆ GCL/13D/150	35802	6	150	3	75	635	1400
GCL/13D/200	35803	8	200	3.1/8	80	775	1700
GCL/13D/250	35804	10	250	3.1/2	90	1000	2200
GCL/13D/300	35805	12	300	4	100	1135	2500

**ONE HAND G CLAMP**

◆ GCL/OH/4	35850	4	100	2.3/8	61	545	1200
GCL/OH/6	35851	6	150	3.3/32	79	635	1400

◆ BESTSELLER

### UTILITY



woodworking



industrial



Cast



Series OH

One Hand G Clamps can be operated by one hand using the special knurled nut, leaving the other hand free to hold the item being clamped

# 32

## G CLAMPS JUNIOR

Clamps are individually forged making them amongst the strongest junior G Clamps. Frames are powder coated and Steel Screws are Zinc Plated for increased resistance to corrosion

Cat. Nr.	Ordering Nr.	Capacity (C)		Throat Depth (D)		Frame Proof Load	
		Inch	mm	Inch	mm	Kgs	lbs
◆ GCL/FSJ/1	35730	1	25	1	25	225	500
GCL/FSJ/1-1-4	35731	1.1/4	31	1.1/4	31	365	800
◆ GCL/FSJ/1-1-2	35732	1.1/2	38	1.1/2	38	385	850
◆ GCL/FSJ/0-2	35733	2	50	1.1/4	31	400	875
GCL/FSJ/0-3	35735	3	75	1.3/8	35	500	1100
GCL/FSJ/2-1-2	35734	2.1/2	63	2.1/2	63	385	850

◆ BESTSELLER

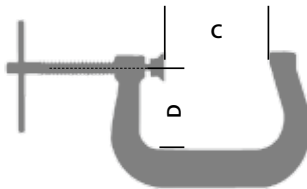
### UTILITY



industrial



forged construction



# HACKSAW FRAMES & BLADES



[www.groz-tools.com](http://www.groz-tools.com)

04

# 33

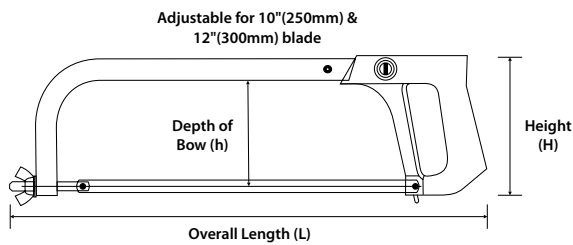
## HANDYMAN'S HACKSAW

An adjustable frame with outstanding design and superior quality. The rectangular section of the tubular bow ensures perfect combination of rigidity and balance. The Aluminium die cast handle, unbreakable in normal use provides a comfortable grip and also directs pressure in the correct line of thrust for maximum efficiency

The saw is adjustable for 10" (250 mm) & 12" (300 mm) blades. The blade can additionally be set for sawing at 90°. A handy storage compartment in the tubular bow allows for storing spare blades

The lightweight design of this saw makes it exceptionally useful for overhead cutting or use from a ladder or scaffolding.

The saw comes complete with a 12" (300 mm) chrome steel hacksaw blade



Cat. Nr.	Ordering Nr.	Overall Length (L)		Height (H)		Depth of Bow (H)	
		Inch	mm	Inch	mm	Inch	mm
◆ HF/15/BS	30010	17	430	5.1/8	130	4.15/64	106

◆ BESTSELLER

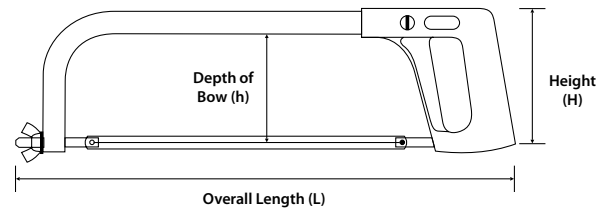
# 34

## HACKSAW FRAME PROFESSIONAL

A rugged heavy-duty industrial quality hacksaw designed for the professional. Strong aluminium die cast handle provides comfort and control whilst the guarded grip design protects knuckles from grazing.

The tubular frame has a square section which provides the perfect combination of balance and rigidity and a curved front end designed for comfortable two hand usage. Easy to use blade tensioning device helps to set the blade correctly.

The saw comes complete with a 12" (300 mm) chrome steel hacksaw blade



Cat. Nr.	Ordering Nr.	Details	Overall Length (L)		Height (H)		Depth of Bow (h)	
			Inch	mm	Inch	mm	Inch	mm
◆ HF/12/BC	30000	Chrome Plated frame with blue handle	17-5/16	440	5-1/8	130	4	103
HF/12/RB	30001	Black frame with red handle	17-5/16	440	5-1/8	130	4	103

◆ BESTSELLER



### UTILITY



metalworking



# 35

## JUNIOR SAW FRAMES

Superior quality steel wire frame is designed to ensure correct alignment and give perfect blade tension during use. Blade holders intrinsic in the frame, avoid protrusion of the blade from the ends. Blade replacement is simply by compressing the front end of the frame against any solid surface.

These are available in two types:

**Junior Hacksaw Frame - Powder Coated:** Steel wire frame has rust inhibiting powder coated finish. Available in attractive blue or grey finish.

**Junior Hacksaw Frame - Plated:** Plated steel wire frame has a finger guard preventing injury to the user. Comes complete with a 6" (150 mm) all hard blade

### JUNIOR SAW FRAME — POWDER COATED

Cat. Nr.	Ordering Nr.	Frame	Overall Length		Height		Depth of Bow	
			Inch	mm	Inch	mm	Inch	mm
◆ JHF/4PD/BU	30130	Blue	9.7/16	240	2.3/4	70	2.3/8	60
JHF/4PD/GY	30131	Grey	9.7/16	240	2.3/4	70	2.3/8	60

### JUNIOR SAW FRAME — PLATED

◆ JHF/4	30120	Plated	9.7/16	240	2.3/8	60	2.1/8	53
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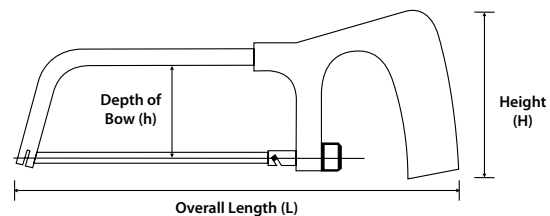
◆ BESTSELLER

# 36

## JUNIOR SAW BABY BITE

This is a tough junior saw designed to provide the handyman and the professional, the best means for coping with small sawing applications.

The compact steel frame is light, yet strong and has a blade tensioning device that locks when the correct blade tension is reached. Ergonomically designed pistol grip handle is made from high quality ABS plastic and comes in attractive colours. The saw comes complete with a 6" (150 mm) blade



Cat. Nr.	Ordering Nr.	Handle	Overall Length (L)		Height (H)		Depth of Bow (h)	
			Inch	mm	Inch	mm	Inch	mm
JHF/P12/RD	30100	Red	10	250	4	100	2	50
JHF/P12/GY	30101	Grey	10	250	4	100	2	50
■ JHF/P12/BL	30105	Black	10	250	4	100	2	50

■ NEW



### UTILITY



metalworking

DIY

# 37

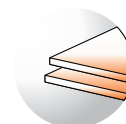
## FRET SAW FRAMES

Exceptionally rigid and well designed saw, very useful for fine cutting work in most materials.

The design of the bow allows the blade to be tensioned as it is clamped in the frame. The serrated clamps operated via the screw and wing nut maintain firm grip on the blade.

The Fret Saw is available in a choice of blue powder coated or premium chrome plated finish. Well designed wooden handle provides comfortable grip.

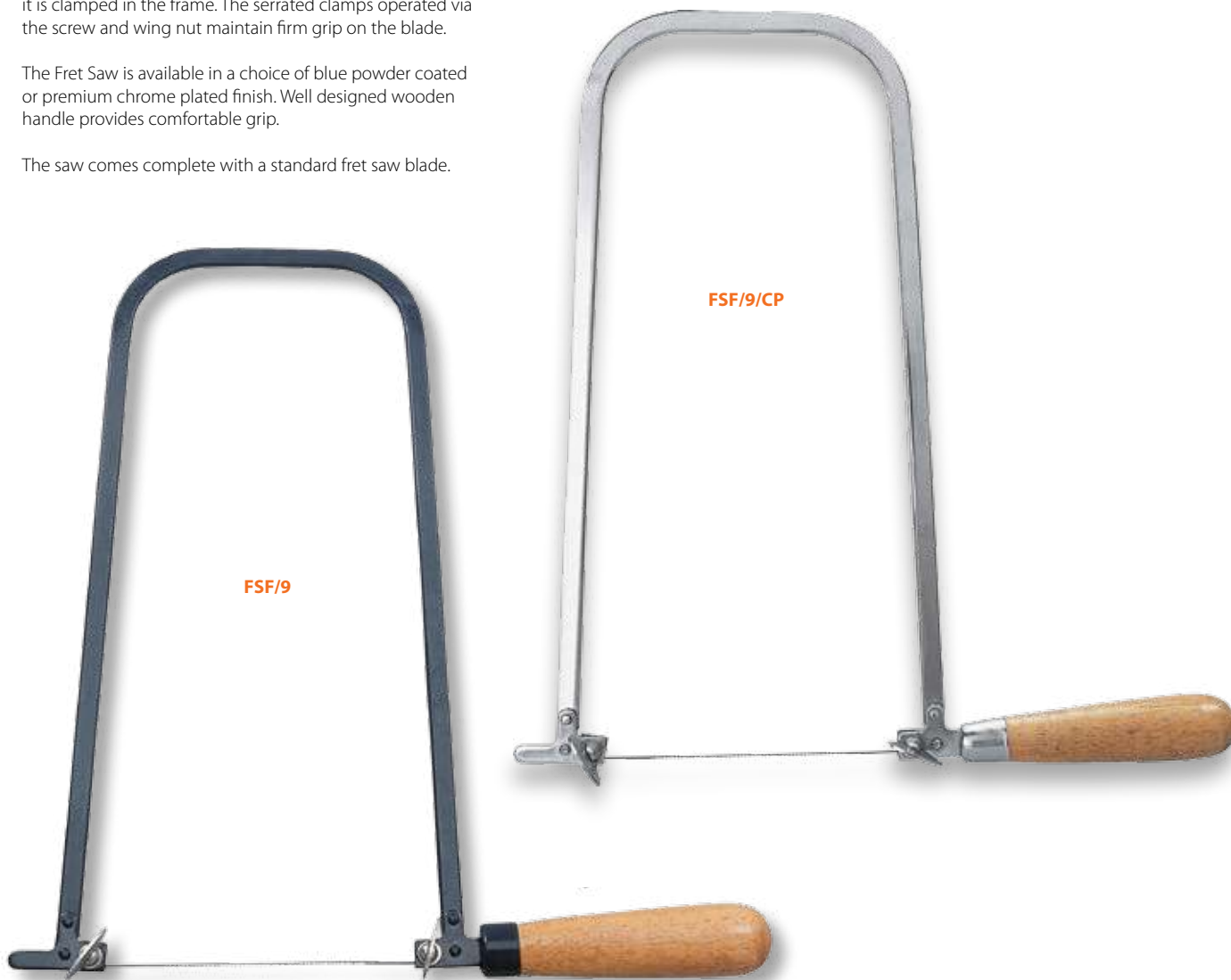
The saw comes complete with a standard fret saw blade.



Veneers & Laminates



Pipes & Tubes



Cat. Nr.	Ordering Nr.	Details	Overall Length		Height		Depth of Bow	
			Inch	mm	Inch	mm	Inch	mm
FSF/9	30223	Blue Powder Coated Frame	12	300	12	300	11-3/8	285
◆ FSF/9/CP	30222	Chrome Plated Frame	12	300	12	300	11-3/8	285

◆ BESTSELLER

### UTILITY



Woodworking

# 38

## COPING SAW FRAMES

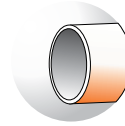
An ideal saw for the discerning craftsman and DIY enthusiasts, the Coping Saw is useful for cutting intricate shapes in wood. Blade can be turned to cut at any angle, correct tension being applied by turning the handle.

Rigid and well balanced frame is available in a choice of blue powder coated or premium chrome plated finish. Well designed wooden handle provides comfortable grip.

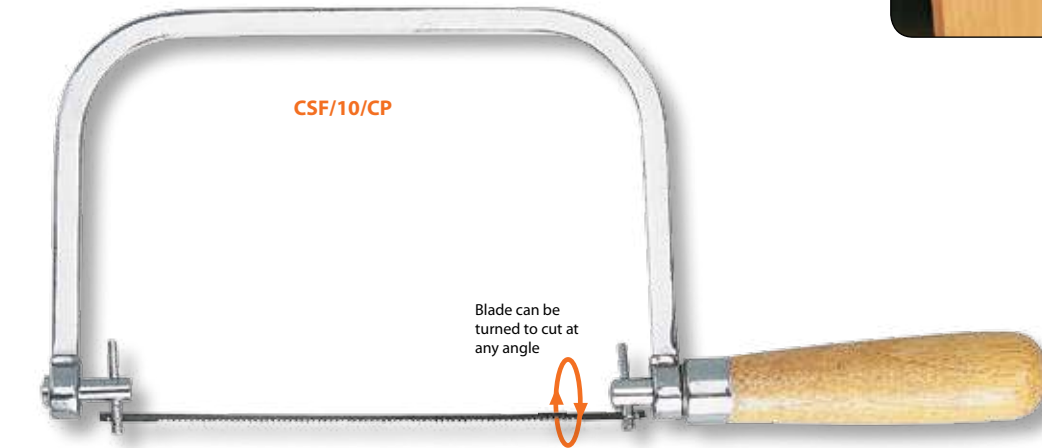
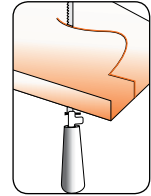
The saw comes complete with a well set coping saw blade



Veneers & Laminates



Pipes & Tubes

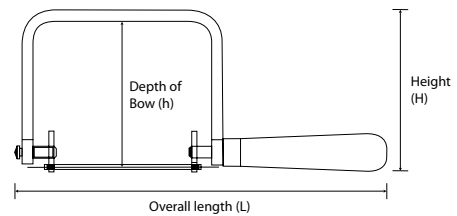


CSF/10/CP

Blade can be turned to cut at any angle



CSF/10



Cat. Nr.	Ordering Nr.	Details	Overall Length (L)		Height (H)		Depth of Bow (h)	
			Inch	mm	Inch	mm	Inch	mm
CSF/10	30220	Blue Powder Coated Frame	12-3/4	320	5-7/16	136	5	125
◆ CSF/10/CP	30221	Chrome Plated Frame	12-3/4	320	5-7/16	136	5	125

◆ BESTSELLER

### UTILITY



Woodworking



Jeweller's Tool

# 39

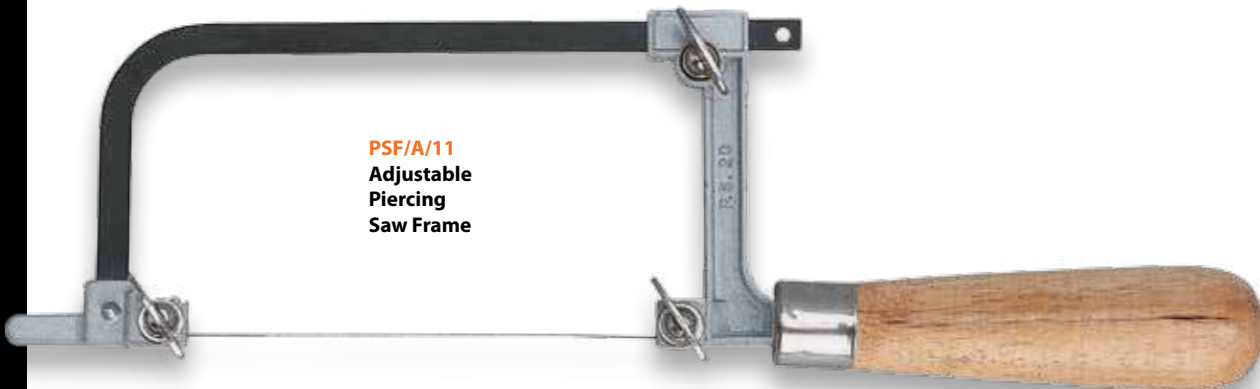
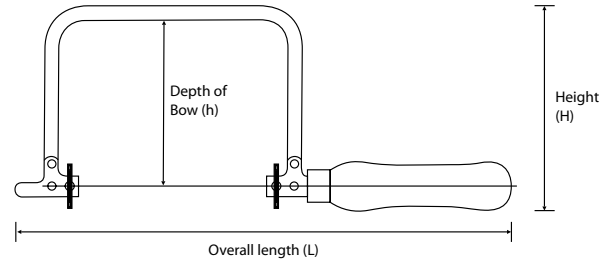
## PIERCING SAW FRAMES

Piercing saws are used by skilled craftsmen in metalworking, jewellery and dentistry applications for precision profile cutting of thin metals, plastics etc. All Piercing Saw Frames come fitted with piercing saw blade

These are available in 2 types:

**Adjustable Piercing Saw Frame:** Adjustable for different blade lengths, it is able to accommodate even broken blades thus extending blade life

**Deep Bow Piercing Saw Frame:** Specially designed with a deeper bow, allowing use on applications that require larger depth



Cat. Nr.	Ordering Nr.	Details	Overall Length (L)		Height (H)		Depth of Bow (h)	
			Inch	mm	Inch	mm	Inch	mm
PSF/A/11	30200	Adjustable	13	325 (Max.)	3-11/32	85	2-3/4	70
PSF/8	30201	Deep Bow	12	300	4-1/2	115	3-3/4	95

### UTILITY



jeweller's tool



# 40

## MINI SAW BLADES

Standard 6" (150mm) long mini saw blades, these are unbreakable in normal use and provide a handy and efficient means for cutting metals and other materials.

Available in 2 distinct types for metal cutting and wood cutting applications.

### Metal Cutting Blades

Available in two types:

1. Shatterproof blades with hardened teeth
2. All hard blades (used as a standard on all Groz Mini Saws & Junior Saws)

### Wood Cutting Blades

Useful for general purpose sawing especially on soft woods.

Sold as a Pack of 10 Blades

#### MINI SAW BLADE - WOOD CUTTING



#### MINI SAW BLADE - ALL HARD



#### MINI SAW BLADE - SHATTERPROOF



Cat. Nr.	Ordering Nr.	TPI (Threads per inch)	Specifications
MSB/55	30304	32	Shatterproof blades with hardened teeth. Useful for all metal working applications.
◆ MSB/H/55	30303	32	All hard blades. Useful for all metalworking applications
MSB/WD/55	30305	14	Wood Cutting Blades

◆ BESTSELLER

### UTILITY



Woodworking



metalworking

# 41 HACKSAW BLADES

Manufactured from high grade chrome alloy steel, these are useful for light and medium sawing work.

Available in two lengths: 10" (250 mm) and 12" (300 mm), both with 18 TPI and 24 TPI.

Sold as a pack of 10 Blades

Cat. Nr.	Ordering Nr.	Length	TPI (Threads per inch)
HB/C/01	30324	10" (250 mm)	18
HB/C/02	30325	10" (250 mm)	24
◆ HB/C/03	30326	12" (300 mm)	18
◆ HB/C/04	30327	12" (300 mm)	24

◆ BESTSELLER

## UTILITY



metalworking



58-62  
HRC



# 42 PIERCING SAW BLADES

These are ideal for hand and light machine sawing of gold, silver, steel, copper, brass, aluminium, nickel etc.

Whilst designed for use with the Groz Piercing Saw Frames, these will also conveniently fit onto standard Piercing Saw Frames of other makes. Overall length 5" (125 mm).

Sold as a pack of 12 Blades

Cat. Nr.	Ordering Nr.	Blade Nr.	TPI (Threads per inch)
PSB/G/0	30343	2/0	58
PSB/G/1/0	30344	1/0	58
PSB/G/0	30345	0	52
◆ PSB/G/1	30346	1	48
◆ PSB/G/2	30342	2	42
PSB/G/3	30347	3	42
▶ PSB/G/4	30348	4	32
PSB/G/5	30349	5	32
PSB/G/6	30380	6	32

◆ BESTSELLER

▶ Comes as Standard with GROZ Piercing Saw Frames

## UTILITY

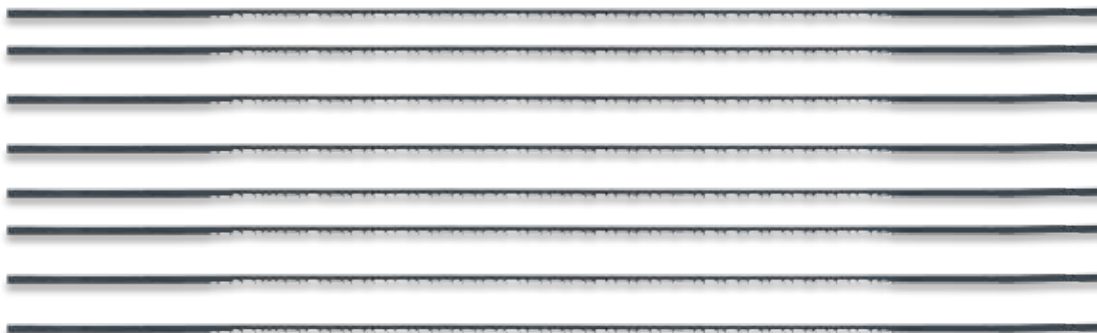


Jeweller's Tool

### HACKSAW BLADES



### PIERCING SAW BLADES



# 43 FRET SAW BLADES

These are ideal for hand and light machine sawing of wood, bone, vulcanite, fibre, horn and plastics etc.

Whilst designed for use with the Groz Fret Saw Frame these will also conveniently fit onto standard Fret Saw Frames of other makes. Overall length 5" (125 mm).

Sold as a pack of 12 Blades

Cat. Nr.	Ordering Nr.	Blade Nr.	TPI (Threads per inch)
FSB/3	30357	3	18
◆ FSB/4	30358	4	18
FSB/5	30359	5	16
▶ FSB/6	30360	6	16
◆ FSB/8	30361	8	14
FSB/10	30362	10	12
FSB/12	30363	12	10

◆ BESTSELLER    ▶ Comes as Standard with GROZ Fret Saw Frames

## UTILITY



Woodworking

# 44 COPING SAW BLADES

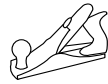
These are manufactured from high quality steel and are accurately heat treated to give the correct combination of hardness and toughness. Teeth are properly shaped & set to ensure speed of cutting and ease of turning

Whilst designed for use with the Groz Coping Saw Frames, these will also conveniently fit onto Standard Coping Saw Frames of other makes.

Sold as a pack of 10 Blades

Cat. Nr.	Ordering Nr.	Length	TPI (Threads per inch)
CSB/170	30314	6-1/2" (165mm)	14

## UTILITY

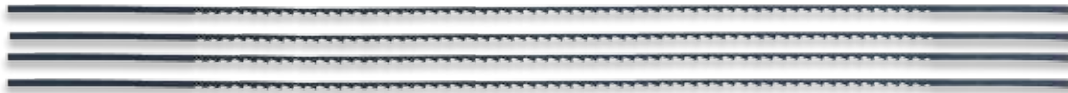


Woodworking



Jeweller's Tool

### FRET SAW BLADES



### COPING SAW BLADES



# WOODWORKING



[www.groz-tools.com](http://www.groz-tools.com)

05



# 45 BENCH PLANES

Highest Quality Bench planes, engineered to exact tolerances while maintaining traditional standards of workmanship, design & performance

Groz planes have fine & robust Grey Cast Iron bases which are accurately machined & ground to high precision. Sole is flat to 0.003"(0.075mm). Spring steel cutter blade is hardened to 55 ± 5 HRC and hones quickly to a razor sharp, long lasting edge. Accurately machined blade seating eliminates blade "chatter". Fully adjustable frog provides the required setting for the specific job.

Attractive hardwood handle and knob with brass adjusting nut and screw heads makes this a favourite with the discerning woodworker

Select models are available with corrugated base - very useful for work on resinuous or sticky timbers

Cat. Nr.	Ordering Nr.	Type	Suitable For	Length		Cutter Width	
				Inch	mm	Inch	mm
SP/3	39700	Smoothing Plane	Final finishing work	9.1/2	240	1.3/4	45
◆ SP/4	39701	Smoothing Plane	Final finishing work	10.1/4	260	2	50
◆ JP/5	39702	Jack Plane	For heavy stock removal when preparing sawn timber prior to final finishing	14	355	2	50
FP/6	39703	Fore Plane	Used for flattening and smoothing wider panels such as table tops and work bench tops	18	458	2.3/8	60
JP/7	39704	Jointer Plane	Used for truing up the edges of long boards prior to joining them together to create large boards	22	560	2.3/8	60

#### CORRUGATED BASE PLANES

■ SP/3C	39705	Smoothing Plane	Final finishing work	9.1/2	240	1.3/4	45
■ SP/4C	39706	Smoothing Plane	Final finishing work	10.1/4	260	2	50
■ JP/5C	39707	Jack Plane	For heavy stock removal when preparing sawn timber prior to final finishing	14	355	2	50

◆ BESTSELLER

■ NEW



# 46

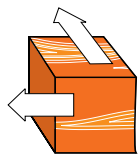
## DUPLEX RABBIT & FILLISTER PLANE

Manufactured from high quality grey iron castings, the plane is used for producing rabbeting cuts in doorframes, windows, furniture & cabinet carcasses. Cuts rabbets both with & across the grain!

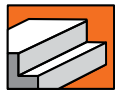
The plane has 2 positions for the cutter. The rear position for regular rabbet work & the forward position for bull-nose work. When used in usual rear position, the cutter is adjustable for depth of cut.

Cat. Nr.	Ordering Nr.	Length		Cutter Width	
		Inch	mm	Inch	mm
◆ DRFP/78	39730	8-1/2	212	1-1/2	40

◆ BESTSELLER



cuts rabbets both with and across the grain



makes rabbet cuts in wood for doorframes, windows, furniture and cabinet carcasses

The Plane is fitted with:

### Spur

Kept flush with the base when cutting with the grain. It is brought into use by turning through 90° when cutting across the grain. The Spur in this position prevents tearing & splintering of wood which otherwise would occur when cutting across the grain.

### Adjustable Fence

Can be fitted on either side of the plane.

### Depth Gauge

Adjustable upto 1/2" (12mm). This also is removable



DRFP/78

# 47

## BLOCK PLANES

These are small planes especially useful for working on end grain of timber & small-scale chamfering and planing jobs.

Robust grey cast iron bases are accurately machined and ground with flatness of sole within 0.003" (0.075mm). The plane iron is set at a low angle to ensure efficient end grain planing jobs.

Block Planes are available in two types:

**With Fixed Mouth:** General purpose block plane with screw for adjusting depth of cut. The cutter is held rigidly by a knurled wheel and screw and set at 21° angle

**With Adjustable Mouth:** Especially useful for cutting plastic laminate and other man-made materials. The cutter is set at an angle of 13-1/2° and is fully adjustable for depth of cut. Mouth is adjustable for coarse or fine work

Cat. Nr.	Ordering Nr.	Length		Cutter Width		Blade Angle	Type
		Inch	mm	Inch	mm		
BP/220	39791	7	180	1-5/8	42	21°	Fixed Mouth
◆ BP/605	39790	6-1/4	160	1-3/8	35	13-1/2°	Adjustable Mouth

◆ BESTSELLER



BP/220

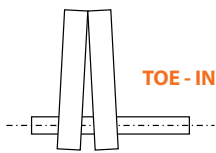


BP/605

# 48

## WOODWORKING VICES PLAIN SCREW

These are manufactured from close-grained grey cast iron for long trouble free service. Accurately machined housings ensure smooth sliding movement. Accurately fitted solid steel guide rods reduce wear and tear giving the vices a smooth and true parallel action, free of side or cross deflection.



Vice jaws are equipped with a "TOE - IN" feature. When fully closed, the jaws meet only at the top to provide even clamping on the whole depth of the work piece.

Square body seating provides easy fitment under the bench top so that jaws are flush with the bench top.

The steel main screw has Butress threads for smooth, accurate and responsive adjustment. Body and sliding jaw have provision for attaching wooden liners to protect the vice, the work piece and working tools

These are available in two types:

### 1. Heavy Duty Full Size Workshop Vices

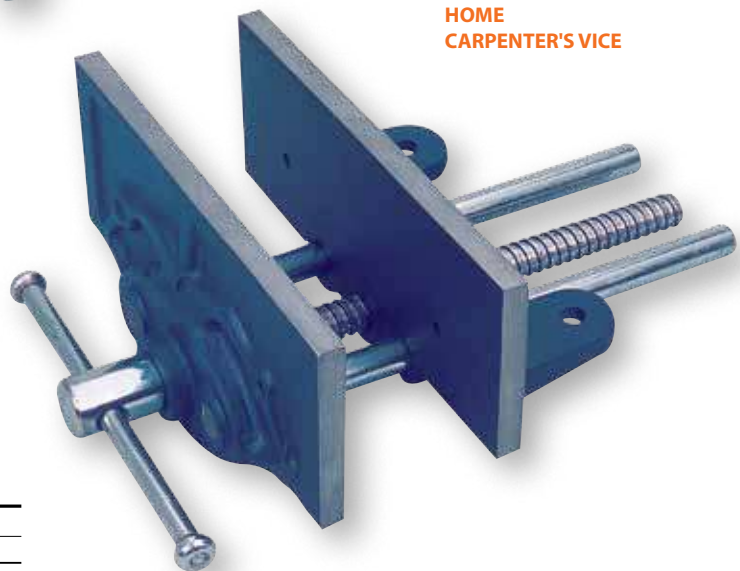
Manufactured in 3 capacities, these full size vices have large jaw openings making them especially useful for large sized jobs in workshops.

### 2. Home Carpenter's Vices

A range of light weight vices for the amateur home carpenter or the young woodworker, yet robust enough for the professional who needs a compact vice for smaller work.



HEAVY DUTY  
WORKSHOP VICE



HOME  
CARPENTER'S VICE

Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Net Wt kgs
		Inch	mm	Inch	mm	
<b>HEAVY DUTY FULL SIZE WORKSHOP VICES</b>						
WWW/150	39000	6	150	4.1/2	115	2.300
◆WWW/175	39001	7	175	8	200	7.250
WWW/225	39002	9	225	13	330	13.750
<b>HOME CARPENTER'S VICES</b>						
WWW/EC/175	39004	7	175	6	150	2.5000
WWW/EC/225	39005	9	225	9	225	5.5000

◆ BESTSELLER



Cast

# 49

## WOODWORKING VICE PORTABLE

A useful, lightweight vice for the young woodworker or home handyman, yet robust enough for professional use.

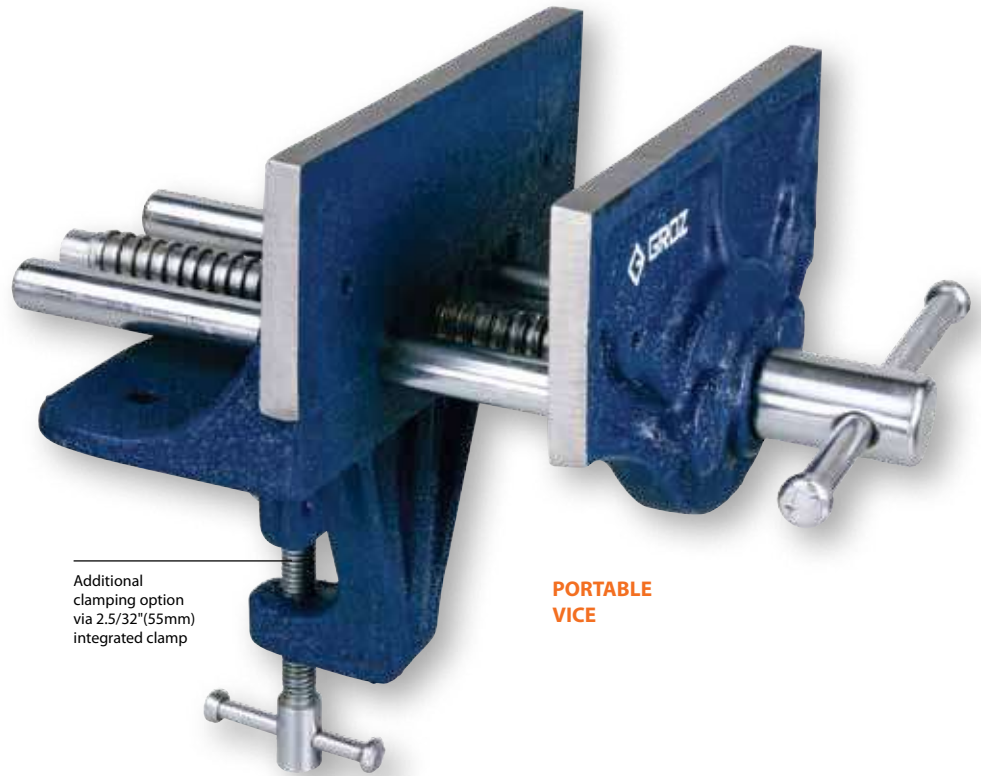
The design allows for two clamping options:

- a) Permanent clamping on the workbench via clamping slots provided in the vice.
- b) Additional clamping option via the 2.5/32" (55mm) integrated clamp. This allows the vice to be conveniently clamped to any work surface.

Vice body and front plates are made from close grained cast iron. Body and sliding jaw have provision for attaching wooden liners to protect the vice, the work piece and working tools.

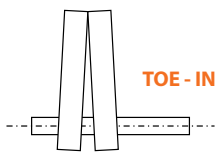
Vice jaws are equipped with a "TOE - IN" feature. When fully closed, the jaws meet only at the top to provide even clamping on the whole depth of the work piece.

The steel main screw, guide rods and handle are chrome plated for increased resistance to corrosion



Additional clamping option via 2.5/32" (55mm) integrated clamp

PORTABLE VICE



### UTILITY

DIY



Cast



Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Net Wt. each kgs
		Inch	mm	Inch	mm	
◆ WWW/P/6	39006	6	150	4.1/2	112	2.750

◆ BESTSELLER

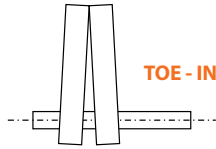


# 50

## WOODWORKING VICES QUICK RELEASE

A traditional pattern woodworking vice equipped with the quick release mechanism. Pressing the trigger initiates quick action, with the front jaw sliding freely, thereby allowing large or small work pieces to be interchanged smoothly. Releasing the trigger returns the mechanism to normal for fine adjustment. A very useful feature in repetitive work situations.

Vices are equipped with an adjustable front dog which when used in conjunction with a bench stop allows oversize work pieces, too large to be held between the jaws, to be securely held. This useful addition provides a normal vice and a tail vice in one tool. Manufactured from close-grained grey cast iron, these robust vices have accurately machined housings for smooth sliding movement and true parallel action free of side or cross movement.



Vice jaws are equipped with a "TOE - IN" feature. When fully closed the jaws meet only at the top to provide even clamping on the whole depth of the work piece.

The steel main screw has Butress threads for smooth, accurate and responsive adjustment. Body and sliding jaw have provision for attaching wooden liners to protect the vice, the work piece and working tools.

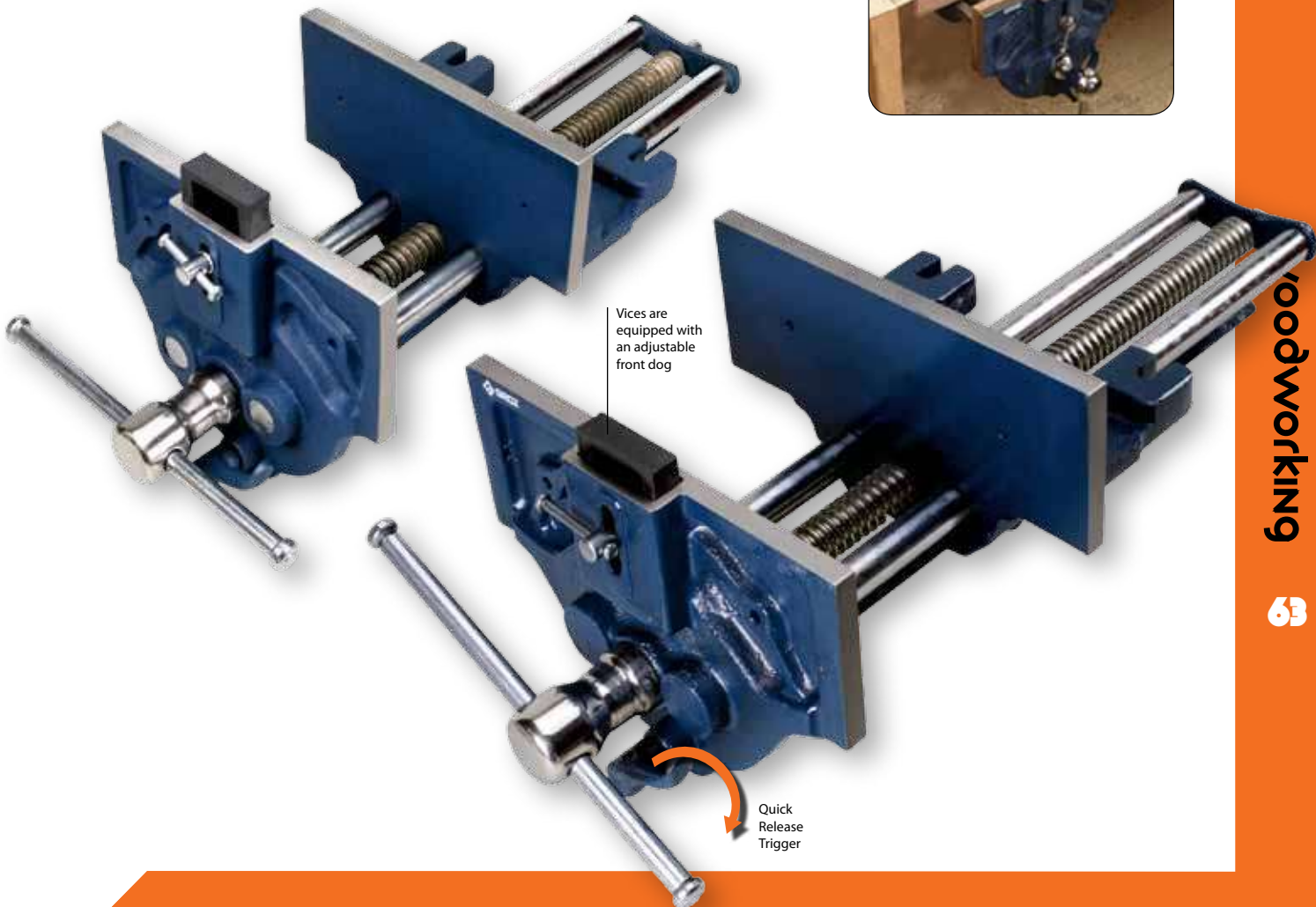
Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Net Wt kgs
		Inch	mm	Inch	mm	
WWW/D/Q/7	39007	7	175	8	200	8.0
◆ WWW/D/Q/9	39009	9	225	13.1/2	340	14.5
WWW/D/Q/10-1-2	39014	10.1/2	270	16	400	17.8

◆ BESTSELLER



Cast

**QUICK  
ACTION**

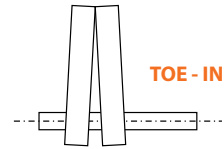


# 51

## WOODWORKING VICES RAPID ACTION

A very well designed vice, this one's really brilliant. The vice has a rapid action mechanism which is unique and different from the conventional quick release mechanism. To tighten the vice, turn the handle in the usual way. As soon as the handle is turned in the opposite direction, the screw is disengaged and the front jaw slides freely. No springs, levers or bars. A very useful feature in repetitive work situation for holding different size pieces & for apprentices & training

Manufactured from close grained grey cast iron these robust vices have accurately machined housings for smooth sliding movement and true parallel action free of side or cross movement.



Vice jaws are equipped with a "TOE - IN" feature. When fully closed, the jaws meet only at the top to provide even clamping on the whole depth of the work piece. The steel main screw has Butress threads for smooth, accurate and responsive adjustment. Body and sliding jaw have provision for attaching wooden liners to protect the vice, work piece and working tools

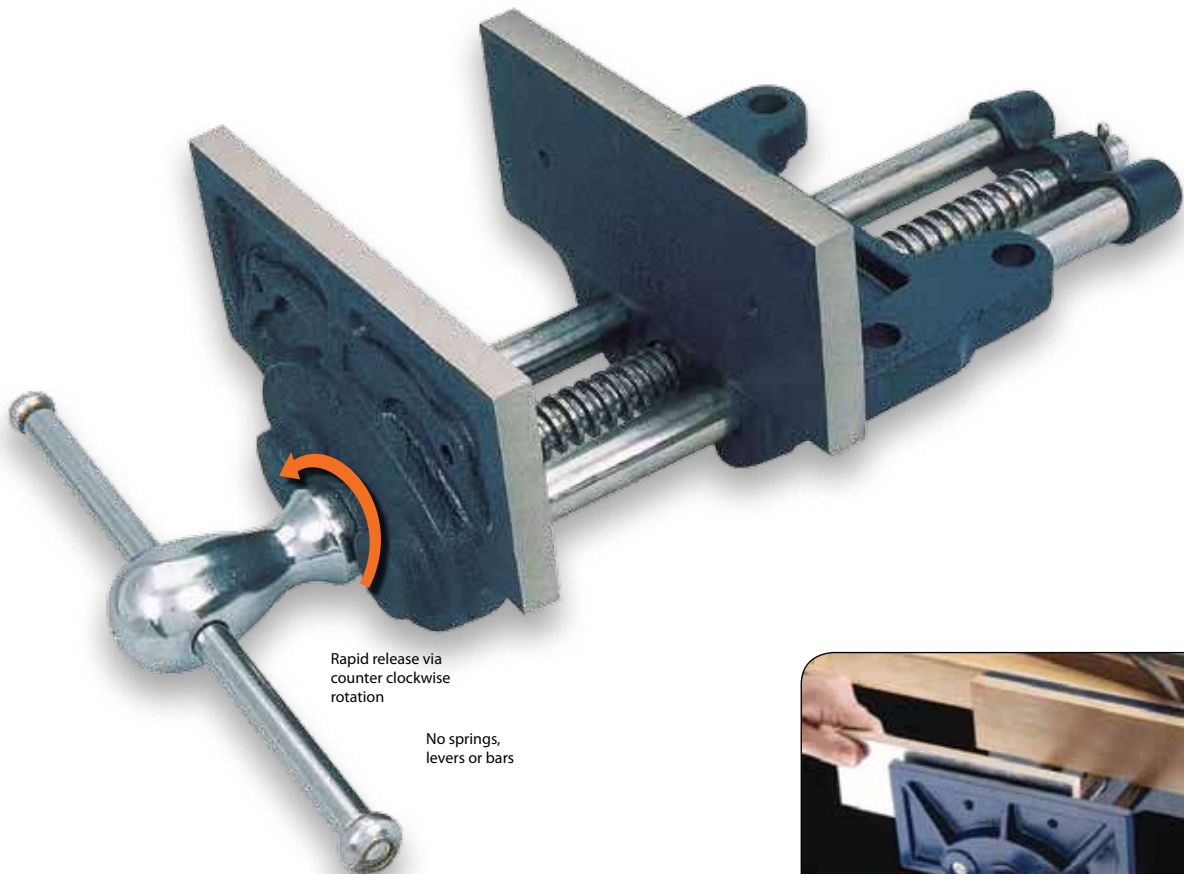
Cat. Nr.	Ordering Nr.	Jaw Width		Jaw Opening		Net Wt kgs
		Inch	mm	Inch	mm	
WWW/R/7	39011	7	175	8	200	7.250
◆WWW/R/9	39012	9	225	13	330	13.750

◆ BESTSELLER



Cast

**QUICK  
ACTION**



Rapid release via counter clockwise rotation

No springs, levers or bars



# 52

## WOODWORKING FRONT VICE

Front Vices are used by wood-workers wanting to make their own vice assemblies and on work benches.

Strong and robust casting, cast iron handle socket, precision rolled threads and twin guides, these are exceptionally sturdy, very easy to use and distortion free. Vices come complete with a well finished wooden handle



Cat.Nr.	Ordering Nr.	Jaw Width		Jaw Opening	
		Inch	mm	Inch	mm
WWW/F/7	39020	7.1/8	181	8.1/4	210



# 53

## KWIK CLAMPS QUICK ACTION WOODWORKING CLAMPS

These quick action clamps are by far amongst the most convenient, strong & accurate. These clamps have the quickest adjustment mechanism - simply lifting the Aluminium die-cast handle allows the sliding jaw to be moved anywhere on the rail.

The rail is made from special "K" section steel profiled to minimize flexing & bending. The steel rails have serrations that engage with a hardened steel insert in the moving jaw to eliminate slippage. Four hardened rollers in the moving head maintain a constant 90° angle under load, ensuring that the clamp heads remain parallel to each other & at right angles to the rail at all times. The clamp jaws are encased in non-marring, glue resistant polypropylene casing.

Cat. Nr.	Ordering Nr.	Clamping Capacity	
		Inch	mm
KBC/12	39180	12	300
◆ KBC/24	39181	24	600
KBC/31	39182	31	775
◆ KBC/40	39183	40	1000
KBC/50	39184	50	1250

### SET OF 4 PARALLEL CLAMP BLOCKS

■ PCB/4/ST	39190
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◆ BESTSELLER   ■ NEW



The clamp can be hand tightened upto clamping pressure of 2500 KN & remains perfectly square to the rail

Quick Action Clamp as a Spreader

The clamp is fitted with a plastic end stop to maintain it at level. By removing this end stop, the movable jaw can be reversed and be used as a spreader - very useful in building window & door frames



Set of 4 Parallel Blocks used in conjunction with GROZ KWIK CLAMPS. These are useful for efficient & accurate set up of raised panels, window & door frames, boxes etc.



SECTION

1.1/8"(29mm) x 3/8"(9mm) x 1/4"(6mm)



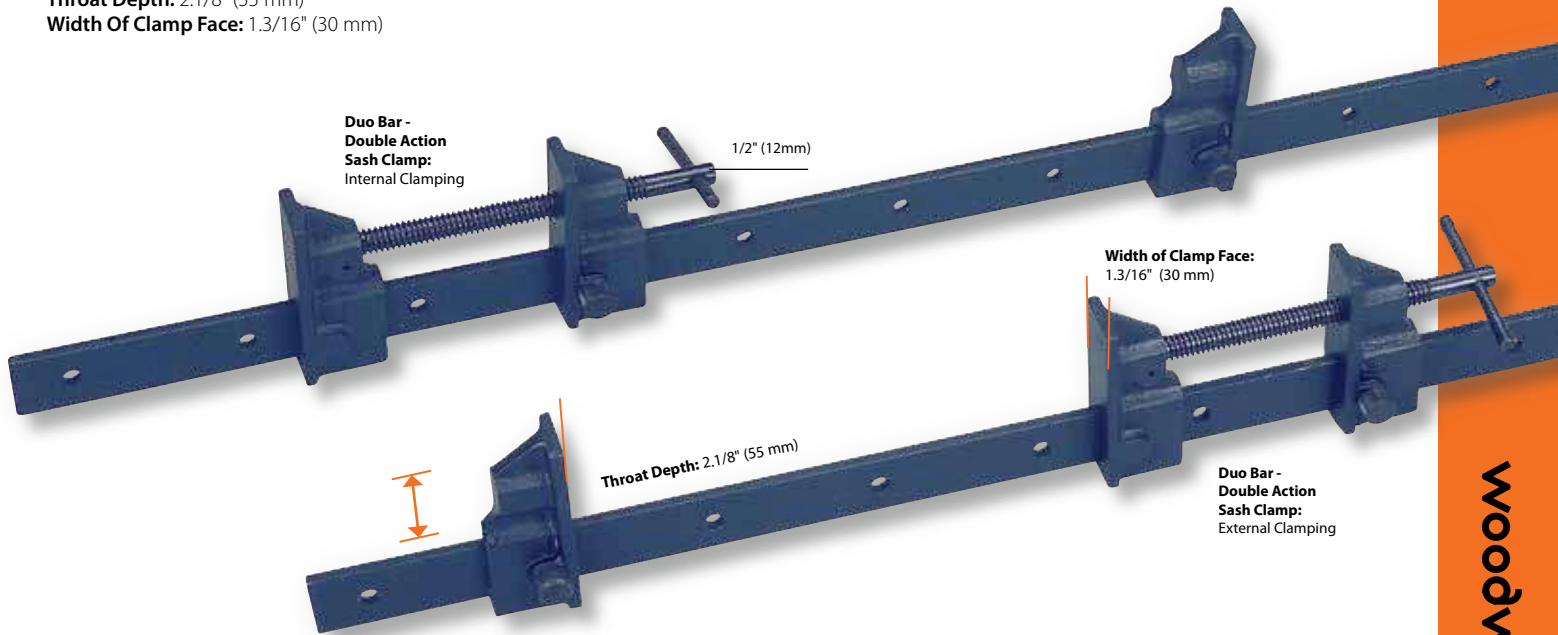
# 54

## DUO BAR CLAMPS

Incorporating advanced features to the traditional Sash Clamp, the DUO BAR is every woodworker's delight. Rigid and robust malleable iron head and slide can be easily reversed on the bar allowing both internal as well as external clamping. The spring loaded pin allows the head and slide to be adjusted at any desired position on the bar. Internal clamping is especially useful for holding window or door frames in position or holding partitioning in place during construction etc. Bars made from drawn steel with a section of 1.1/4" x 1/4" (32 mm x 6 mm) are furnished with holes equally spaced along the entire length for clamping of a vast range of sizes. The enhanced features of this set of clamps allows the user greater flexibility. Just one set of head and slide and a range of bars makes for a complete clamping kit.

**Throat Depth:** 2.1/8" (55 mm)  
**Width Of Clamp Face:** 1.3/16" (30 mm)

Duo Bar used for internal clamping



Cat. Nr.	Ordering Nr.	Bar Length		External Capacity	
		Inch	mm	Inch	mm
DBC/24	39130	24	600	18	450
DBC/30	39131	30	750	24	600
◆ DBC/36	39132	36	900	30	750
◆ DBC/42	39133	42	1050	36	900
◆ DBC/48	39134	48	1200	42	1050
DBC/54	39135	54	1350	48	1200

◆ BESTSELLER



Rectangular Section  
 1.1/4" (32mm) x 1/4" (6mm)

# 55 T BAR CLAMPS

A robust set of clamps designed for applications that require extra resilience under extreme pressure, these can be permanently fixed onto the workbench as well. The "T" section bar is made from special cold drawn steel with a section of 1" x 1.7/8" which offers great resistance to bending in use. Malleable iron head and slide allow these clamps to be used in extra heavy duty applications. The main screw has rolled Acme threads for smooth movement and increased resistance to wear. The sliding head is fastened to the T Bar by inserting a steel pin through any of the locating holes on the bar. The steel bar, head and slide have an attractive powder coated finish, the main screw, handle and pins are blackened for increased resistance to corrosion.

**Throat Depth:** 1-7/8" (48 mm)  
**Width Of Clamp Face:** 2.1/8" (54 mm)



T section

1.7/8" (48mm) x 7/8" (22mm)

## T BAR CLAMP

Cat. Nr.	Ordering Nr.	Bar Length		Capacity	
		Inch	mm	Inch	mm
TBC/3	39100	36	900	30	750
◆ TBC/4	39101	48	1200	42	1050
◆ TBC/5	39102	60	1500	54	1350
◆ TBC/6	39103	72	1800	66	1650
TBC/7	39151	84	2100	78	1980
■ TBC/8	39121	96	2400	90	2250

◆ BESTSELLER   ■ NEW

# 56 RAPID ACTION I BAR CLAMPS

A Rapid action I section Bar clamp designed and manufactured for hard, everyday production jobs.

I Section drawn bars are rolled dead straight with quick action non-slip clutches on side faces at intervals of 3/4" (19mm). Head and tail piece made from virtually unbreakable 60,000 PSI SG Iron (Ductile Iron).

Movable head has a lock lever mechanism - A simple press of the lever allows quick opening; closing is simply by pushing the movable head to required position. Main Screw & handle are made from high-grade steel with rolled threads for wear resistance.

Superior strength combined with the convenient to use rapid action mechanism & large clamping faces makes these a real favourite with the user.

**Load Capacity:** 6000 lbs (2700 kg)

5/8"  
(16 mm)

**Width of Clamp Face:**  
1.7/8" (47 mm)

**Throat Depth:**  
1.13/16" (46 mm)

## RAPID ACTION I BAR CLAMP



I section

1.1/2" (38mm) x 13/32" (10mm) x 3/16" (4.5mm)

Simple press of the lever allows quick opening. Closing is by pushing the movable head to the required position

**Width of Clamp Face:**  
2.1/8" (54 mm)

**Throat Depth:**  
1.7/8" (48 mm)

Cat. Nr.	Ordering Nr.	Bar Length		Capacity	
		Inch	mm	Inch	mm
IBC/T/2	39160	30	750	24	600
IBC/T/2-1-2	39161	36	900	30	750
◆ IBC/T/3	39162	42	1050	36	900
◆ IBC/T/4	39163	54	1350	48	1200
◆ IBC/T/5	39164	66	1650	60	1500
IBC/T/6	39165	78	1950	72	1800

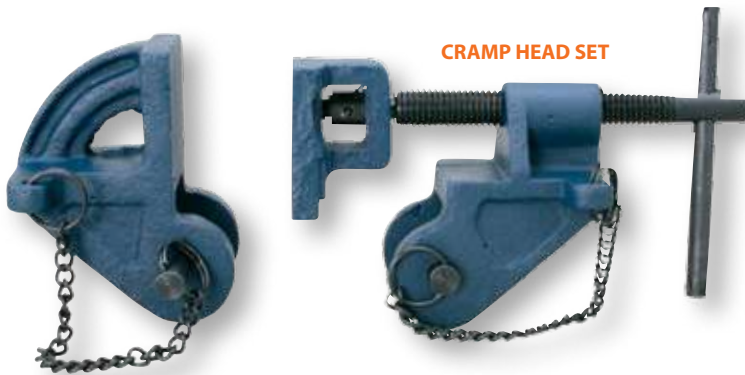
◆ BESTSELLER

# 57

## CRAMP HEAD SET

Cramp heads are a low cost alternative to the full size T Bar and Sash Bar Clamps. A bar clamp of any length can be made by using a piece of timber 1"(25mm) thick. The timber is drilled with holes producing a light duty bar clamp as strong and as true as the timber chosen. The heads are made from malleable iron, the handle screw and pin from high quality steel for hard wearing long life. Blackened screw has rolled threads for extra strength and resistance to wear.

Cat. Nr.	Ordering Nr.
CHST/25-25	39120



# 58

## SASH BAR CLAMPS

These Bar Clamps are especially useful for clamping large section workpieces during fabrication, gluing in joinery, carpentry and boat building. The bars are made from drawn steel with a section of 1.1/4" x 1/4" (32 mm x 6 mm). Malleable iron head and slides provide rigidity and strength even under heavy tension. Both head and slide have a flat bottom allowing the bar to stand upright without support. The head is fitted square to the bar with 1.1/2° - 2° taper for true parallel clamping action.

Main screw and handle are made from high-grade steel and have a blackened finish for increased resistance to corrosion. The screw has rolled Acme threads that impart extra strength and are wear resistant.

**Throat Depth:** 2" (50 mm)

**Width Of Clamp Face:** 1.3/16" (30 mm)

Cat. Nr.	Ordering Nr.	Bar Length		Capacity	
		Inch	mm	Inch	mm
SBC/24	39110	24	600	18	450
SBC/30	39111	30	750	24	600
◆SBC/36	39112	36	900	30	750
◆SBC/42	39113	42	1050	36	900
◆SBC/48	39114	48	1200	42	1050
SBC/54	39115	54	1350	48	1200

◆ BESTSELLER



**Throat Depth:**  
2" (50 mm)

**Width of Clamp Face:**  
1.3/16"  
(30 mm)



Rectangular Section  
1.1/4"(32mm) x 1/4"(6mm)

# MEASURING & MARKING





# 59

## SPRING CALIPERS & DIVIDERS

Amongst the oldest comparative measuring tools, Calipers are designed for taking transfer measurements or for comparing external and internal measurements. Dividers are used for marking on steel or for transferring measurements from master templates.

Manufactured from high grade steel with a polished finish, the legs pivot on a roller and are tensioned by a bow spring. Measuring adjustment is via an adjusting nut that allows fine settings. Measuring capacity/ Size is the distance between the fulcrum and the end of the leg.

These are available in two types:

**1. With Solid Nut**

**2. With Quick Nut** - the threads of the split quick adjusting nut engage the screw at the slightest pressure of the leg and when the pressure is withdrawn, the nut releases itself sliding freely over the screw. This feature helps save valuable time in opening & closing when a variety of measurements have to be taken consecutively



### UTILITY



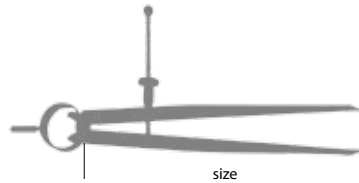
metalworking



woodworking



DIY



Cat. Nr.	Ordering Nr.	Cat. Nr.	Ordering Nr.	Size	
With Solid Nut		With Quick Nut		Inch	mm
<b>INSIDE CALIPERS</b>					
ID/3	01400	ID/Q-3	01430	3	75
◆ ID/4	01401	ID/Q-4	01431	4	100
◆ ID/6	01402	ID/Q-6	01432	6	150
◆ ID/8	01403	ID/Q-8	01433	8	200
ID/10	01404	ID/Q-10	01434	10	250
ID/12	01405	ID/Q-12	01435	12	300
■ ID/EC-14	01809	-	-	14	350
■ ID/EC-16	01806	-	-	16	400
■ ID/EC-18	01807	-	-	18	450
■ ID/EC-24	01808	-	-	24	600
<b>OUTSIDE CALIPERS</b>					
OD/3	01410	OD/Q-3	01440	3	75
◆ OD/4	01411	OD/Q-4	01441	4	100
◆ OD/6	01412	OD/Q-6	01442	6	150
◆ OD/8	01413	OD/Q-8	01443	8	200
OD/10	01414	OD/Q-10	01444	10	250
OD/12	01415	OD/Q-12	01445	12	300
■ OD/EC-14	01819	-	-	14	350
■ OD/EC-16	01816	-	-	16	400
■ OD/EC-18	01817	-	-	18	450
■ OD/EC-24	01818	-	-	24	600

Cat. Nr.	Ordering Nr.	Cat. Nr.	Ordering Nr.	Size	
With Solid Nut		With Quick Nut		Inch	mm
<b>SPRING DIVIDERS</b>					
DD/3	01420	DD/Q-3	01450	3	75
◆ DD/4	01421	DD/Q-4	01451	4	100
◆ DD/6	01422	DD/Q-6	01452	6	150
◆ DD/8	01423	DD/Q-8	01453	8	200
DD/10	01424	DD/Q-10	01454	10	250
DD/12	01425	DD/Q-12	01455	12	300
■ DD/EC-14	01829	-	-	14	350
■ DD/EC-16	01826	-	-	16	400
■ DD/EC-18	01827	-	-	18	450
■ DD/EC-24	01828	-	-	24	600

◆ BESTSELLER    ■ NEW

# 60

## CRAFTSMEN'S SPRING CALIPERS & DIVIDERS

These are amongst the finest calipers and dividers, especially useful for the discerning craftsmen. Made from high grade steel, legs are machined to a smooth taper with an attractive black powder coated finish. The finely machined and polished nut runs smoothly to secure the legs exactly to dimension. Truly, every woodworker's delight, these are available individual or as a set.

These are available in two types:

### 1. With Solid Nut

**2. With Quick Nut** - the threads of the split quick adjusting nut engage the screw at the slightest pressure of the leg and when the pressure is withdrawn, the nut releases itself sliding freely over the screw. This feature helps save valuable time in opening & closing when a variety of measurements have to be taken consecutively



Cat. Nr.	Ordering Nr.	Cat. Nr.	Ordering Nr.	Size	
Solid Nut		With Quick Nut		Inch	mm

### INSIDE CALIPERS

ID/SP/3	01460	ID/SP/Q-3	01560	3	75
ID/SP/4	01461	ID/SP/Q-4	01561	4	100
◆ ID/SP/6	01462	ID/SP/Q-6	01562	6	150
◆ ID/SP/8	01463	ID/SP/Q-8	01563	8	200
ID/SP/10	01464	ID/SP/Q-10	01564	10	250
ID/SP/12	01465	ID/SP/Q-12	01565	12	300

### OUTSIDE CALIPERS

OD/SP/3	01470	OD/SP/Q-3	01570	3	75
OD/SP/4	01471	OD/SP/Q-4	01571	4	100
◆ OD/SP/6	01472	OD/SP/Q-6	01572	6	150
◆ OD/SP/8	01473	OD/SP/Q-8	01573	8	200
OD/SP/10	01474	OD/SP/Q-10	01574	10	250
OD/SP/12	01475	OD/SP/Q-12	01575	12	300

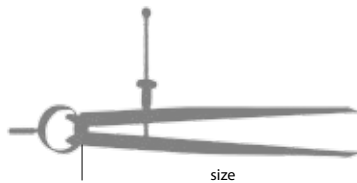
### SPRING DIVIDERS

DD/SP/3	01480	DD/SP/Q-3	01580	3	75
DD/SP/4	01481	DD/SP/Q-4	01581	4	100
◆ DD/SP/6	01482	DD/SP/Q-6	01582	6	150
◆ DD/SP/8	01483	DD/SP/Q-8	01583	8	200
DD/SP/10	01484	DD/SP/Q-10	01584	10	250
DD/SP/12	01485	DD/SP/Q-12	01585	12	300

### SETS

CD/SP/ST/6	01492	A set of one each : 6"(150mm) Inside & Outside Calipers & Springs Dividers			
◆ CD/SP/ST/8	01493	A set of one each : 8"(200mm) Inside & Outside Calipers & Springs Dividers			

◆ BESTSELLER



### UTILITY



metalworking



woodworking

### DIY



### CD/SP/ST/6

A set of one each :  
6"(150mm) Inside &  
Outside Calipers &  
Spring Dividers

# 61

## WING COMPASS

These rugged industrial grade compasses are manufactured from heavy gauge steel with an attractive black powder coated finish. The tip is accurately ground. Heavy Duty hinge and knurled locking nut helps in convenient movement.

Used for precisely scribing arcs and circles on projects and drawings.



Cat. Nr.	Ordering Nr.	Size		Scribing Capacity	
		Inch	mm	Inch	mm
WC/6	01550	6	150	8	200
♦ WC/8	01551	8	200	10.1/2	265
WC/16	01554	16	400	22	550

♦ BESTSELLER



### UTILITY



woodworking

# 62

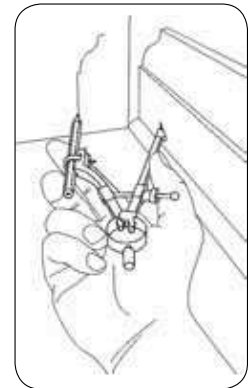
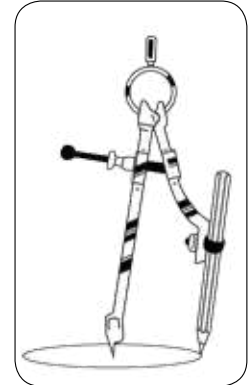
## PRECISION PENCIL COMPASS

**NEW!**

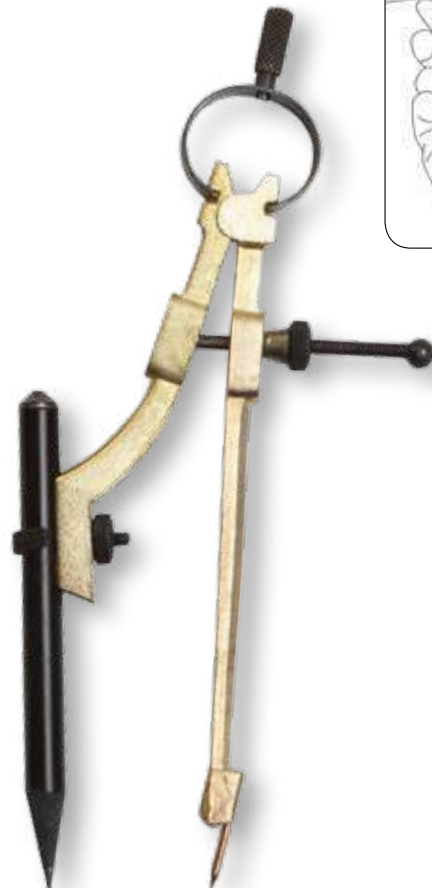
Finest quality carpenter's compass manufactured from die cast zinc for increased durability. Spring tension adjustment helps marking diameters upto 9" (225 mm). The Scribe guide helps in marking out edges.

Useful for marking out circles & contours

Can be used with standard lead pencil or a slim ball point pen



Cat. Nr.	Ordering Nr.
PPC/01	01545



# 63

## PENCIL COMPASS

**NEW!**

Manufactured from special steel, the accurately machined and polished legs pivot on a roller and are tensioned by a bow spring. Adjustable pencil slot can accommodate regular pencils and slim ball pens. A real favourite with the craftsmen and the workshop worker

Cat. Nr.	Ordering Nr.	Min. Capacity	
		Inch	mm
PPC/EC/6	11035	6	150
PPC/EC/8	11036	8	200
PPC/EC/10	11037	10	250
PPC/EC/12	11038	12	300



# 64

## VERNIER CALIPER

**NEW!**

Made from steel with permanently etched black graduations in mm and 1/16th of an inch. Vernier reading of 0.1 mm & 1/128". Repetitive measurements and a slide lock for gauging depths - these calipers work on a friction roller adjustment mechanism. Useful for making inside, outside depth and step measurements. Very popular for general purpose use in workshops, apprentice, training schools etc.

Cat. Nr.	Ordering Nr.	Capacity	
		Inch	mm
VC/EC/5	01310	0 - 5	0 - 127



74



# 65 BRASS CALIPERS

A handy pocket caliper, made from solid brass. Close tolerance dovetail design ensures smooth motion of the caliper and provides accurate measurements. Graduated in both imperial and metric graduations with a least count of 1/16" on the imperial scale and 0.1 mm on the metric scale, these are ideal for use by mechanics, hobby crafters etc. who need to take measurements on small objects such as nails, screws, lenses, tubing etc.

These are available in two types:

### 1. Brass Calipers (Outside)

Used for making external measurements from zero to the measuring range of the caliper.

### 2. Brass Calipers (Inside and Outside)

Used for making both internal and external measurements. External measurements can be made from 0 - 4" (0 - 100 mm), whereas internal measurements can be made from 7/32" (5 mm) to 4" (100 mm)

Cat. Nr.	Ordering Nr.	Measuring Range	
		Inch	mm
<b>BRASS CALIPERS - OUTSIDE</b>			
BC/ORD-75	01300	0-3	0-75
◆ BC/ORD-100	01301	0-4	0-100
<b>BRASS CALIPERS - INSIDE &amp; OUTSIDE</b>			
BC/ORD/ID-100	01304	Outside: 0-4 Inside: 7/32-4	0-100 5-100

◆ BESTSELLER



BRASS  
CALIPER -  
INSIDE &  
OUTSIDE



BRASS  
CALIPER -  
OUTSIDE

# 66 SLIDE CALIPERS

**NEW!**

All purpose stainless steel slide calipers, sized to slip into the pocket make quick & accurate, inside and outside measurements. Scale has permanently etched graduations with decimal equivalents table on back

Available in two types:

### 1. Imperial

Graduated in Inches in 16ths & 32nds

### 2. Metric & Imperial Combined:

Graduated in inches & mm. Inch graduations are in 16ths



stainless steel

Cat. Nr.	Ordering Nr.	Type	Capacity
SLC/SS/4	01320	Imperial	4"
SLC/SS/4M	01321	Metric & Imperial Combined	4" (100 mm)

**UTILITY**



woodworking

**DIY**



SLC/SS/4



SLC/SS/4M

# 67

## GRADUATED STEEL SQUARES

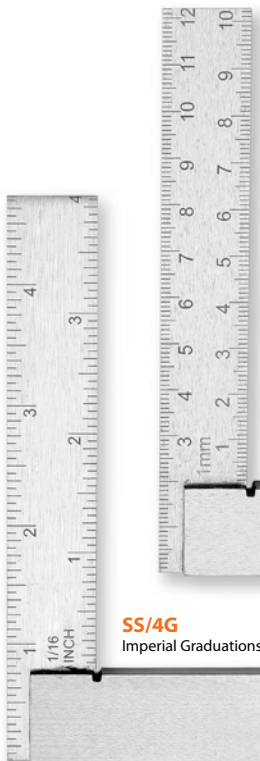
**NEW!**

A range of general purpose steel squares with deep etched graduations. Graduated blade is accurately hardened. Blade and stock are perfectly ground which ensures straightness and parallelism. Ideal choice for setting up machinery like table saw blades, jointer knives and fences

Available in two types:

1. With imperial graduations on both inside and outside edge of the blade
2. With metric graduations on both inside and outside edge of the blade

Cat. Nr.	Ordering Nr.	Size		Stock Length		Squareness of Blade to working faces of stock	
		Inch	mm	Inch	mm	Inch	microns
SS/4G	01142	4	-	3	-	0.00019	-
SS/6G	01143	6	-	4	-	0.00028	-
SS/4GM	01152	-	100	-	75	-	48
SS/6GM	01153	-	150	-	100	-	72



**SS/4GM**  
Metric Graduations

**SS/4G**  
Imperial Graduations

# 68

## PRECISION SQUARES

An excellent range of Steel Squares with accuracies conforming to BS 939 grade B for squareness. Blades are made from hardened spring steel with both stock and blade precisely ground to ensure straightness and parallelism. These are very useful for woodworkers and cabinet makers and are of particular value when setting up power tools

Cat. Nr.	Ordering Nr.	Blade Length (From inner edge of stock to end of blade)		Stock Length (From edge of stock to outer edge of blade)		Accuracy for Internal and External Squareness	
		Inch	mm	Inch	mm	Inch	Microns
SS/A/2	01000	2	50	2	50	0.00063	16
SS/A/3	01001	3	75	2.3/8	60	0.00063	16
◆ SS/A/4	01002	4	100	3	75	0.00063	16
◆ SS/A/6	01003	6	150	4	100	0.00063	16
SS/A/8	01004	8	200	5	125	0.00080	20
SS/A/9	01005	9	225	6.5/16	160	0.00094	24
SS/A/10	01006	10	250	6.1/2	165	0.00094	24
SS/A/12	01007	12	300	8.9/32	210	0.00094	24

**Sets**

- ◆ SS/A/2-4-6 01012 Set contains one each of 2"(50mm), 4"(100mm) & 6"(150mm) Squares
- SS/A/2-3-4-6 01011 Set contains one each of 2"(50mm), 3"(75mm), 4"(100mm) & 6"(150mm) squares

◆ **BESTSELLER**

**SS/A/2-4-6**

Set contains one each of 2"(50mm), 4"(100mm) & 6"(150mm) Squares



# 69

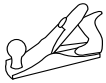
## ADJUSTABLE BEVEL

These bevels are especially useful for marking dovetails and other unusual angles. The offset slot in the blade enables a line to be drawn along the full length of the blade without interference from stock.

The polished wooden handle is fitted with thick brass fittings which protect the ends from damage. Blade adjustment is achieved via a forged steel wingnut.

Cat. Nr.	Ordering Nr.	Size	
		Inch	mm
AB/10	39400	10	250

### UTILITY



woodworking



# 70

## CENTRE SQUARE

An extremely useful tool for locating centers of round stocks and parts, quickly and easily. The knife edge blade is made from spring Steel, hardened and ground for extended life.

Cat. Nr.	Ordering Nr.	Size	
		Inch	mm
CS/1	03521	1.1/2	38
♦ CS/2	03522	3	75

♦ BESTSELLER

### UTILITY



woodworking



metalworking



Position the vee of the centre square onto the round face of the stock and scribe a line along the knife edge. Rotate the square and repeat process. The common point of intersection is the centre of the stock.



# 71

## STAINLESS STEEL RULES

Made from stainless steel, these rules have a polished finish with permanently engraved clear to read graduations.

These are available in two types:

### 1. Imperial & Metric Combined Rules

These rules are graduated in metric dimensions on one edge and imperial on the other. Imperial dimensions are in 1/16th, 1/32nd & 1/64ths. Metric dimensions are in 0.5mm & 1mm. Reverse side of the rule has a permanently engraved metric to imperial conversion table.

### 2. Metric Rules

Graduated in metric dimensions 0.5mm & 1mm on both edges



stainless steel

Cat. Nr. Imperial & Metric	Ordering Nr. Imperial & Metric	Cat. Nr. Metric	Ordering Nr. Metric	Length	
				Inch	mm
◆ SR/6	01330	SR/150	01340	6	150
◆ SR/12	01331	SR/300	01341	12	300
SR/18	01332	SR/450	01342	18	450
SR/24	01333	SR/600	01343	24	600
◆ SR/40	01334	SR/1000	01344	40	1000
SR/48	01335	SR/1200	01345	48	1200

◆ BESTSELLER

### POCKET RULER



### STEEL RULES



# 72

## STAINLESS STEEL POCKET RULER

**NEW!**

Stainless steel ruler in polished finish with combined imperial & metric graduations. Imperial dimensions in 1/16th, 1/32nd & 1/64th. Metric dimensions in 0.5mm & 1mm. Reverse side has a permanently engraved metric to imperial conversion table.

Ruler comes with a pocket clip making it convenient to carry - a real favourite with craftsmen, woodworkers, technicians etc.

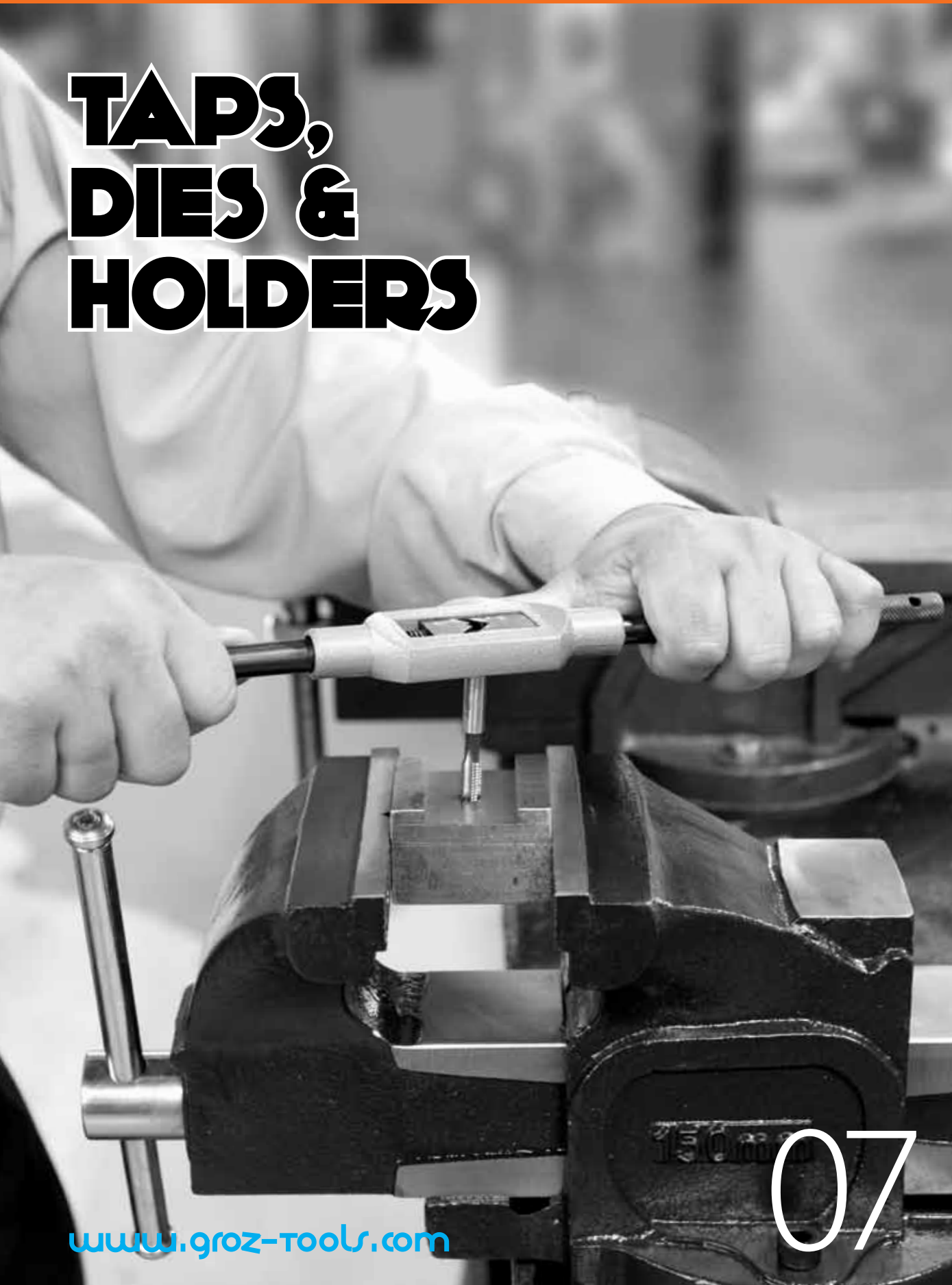


stainless steel

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
SR/P/6	01337	6	150



# TAPS, DIES & HOLDERS



[www.groz-tools.com](http://www.groz-tools.com)

07

# 73

## ADJUSTABLE TAP & REAMER WRENCHES - BAR TYPE

### UTILITY



metalworking

DIY



<TYPE A:  
ACC DIN 1814>

<TYPE B:  
PROFESSIONAL>

<TYPE C:  
INDUSTRIAL>

The straight handle design of these tap wrenches provides greater leverage, particularly useful when working with large diameter taps.

These are manufactured in three types.

#### Type A: Acc DIN 1814

With zinc die cast body and hardened steel jaws, these have an exceptionally rugged construction. Chrome plated handles with knurled ends provide a comfortable non slip grip. Larger sizes have a cross hole drilled on one end for easy tightening using a tommy bar.

#### Type B: Professional

Professional quality tap wrenches with an all steel body, these provide a positive grip combined with the sensitivity required when tapping a blind hole. Jaws are hardened and tempered for increased resistance to wear. The wrench body is black powder coated with attractive chrome plated handles.

#### Type C: Industrial

Extra heavy duty, industrial quality tap wrenches - virtually unbreakable.

Nr. 0, 5 & 6 have a forged body.

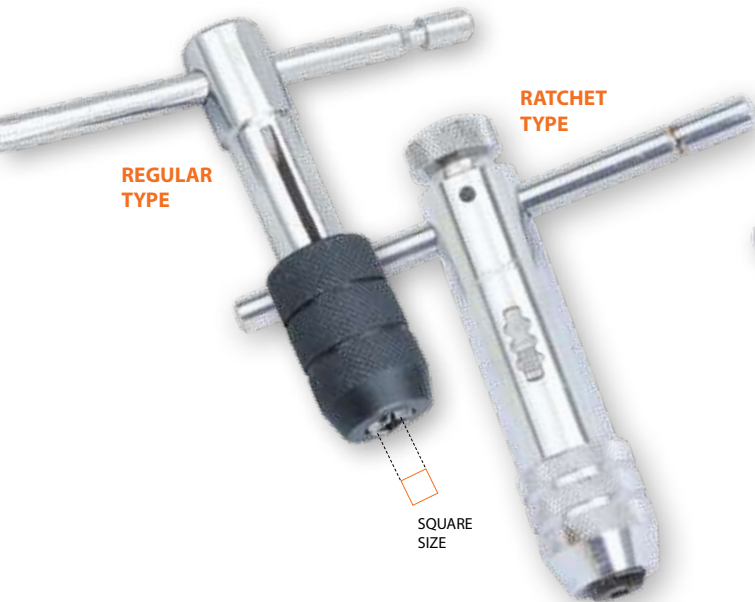
Nr. 00, 7 & 8 have die cast body.

Cat. Nr.	Ordering Nr.	Length		Jaw Holding Capacity			
		Inch	mm	Square Size		Tap Size	
ACC DIN 1814							
ATWR/D-0	09200	6.19/64	160	5/64-13/64	2-5	1/16-1/4	M2-M6
♦ ATWR/D-1	09201	7.5/64	180	5/64-1/4	2-6.3	1/16-5/16	M2-M8
♦ ATWR/D-2	09202	11	280	5/32-23/64	4-9	3/16-9/16	M5-M14
ATWR/D-3	09203	15	375	3/16-15/32	4.9-12	1/4-3/4	M6-M18
PROFESSIONAL							
ARWR/1-SPL	09210	5	125	7/64-5/32	2.5-4	1/8-3/16	M3-M5
♦ ARWR/2-SPL	09211	8.17/64	210	1/8-1/4	3.15-6.3	3/16-5/16	M4-M8
♦ ARWR/3-SPL	09212	12.13/64	310	1/8-3/8	3.15-9.5	3/16-9/16	M4-M14
ARWR/44-SPL	09213	16	400	7/32-5/8	5.6-16	7/16-1.1/8	M7-M27
INDUSTRIAL							
ARWR/SG/0	09221	8	200	3/32-1/2	2.5-12	1/8-3/8	M1-M12
ARWR/SG/00	09220	5.11/32	133	5/64-9/32	2-7.35	1/8-1/4	M1-M6
ARWR/SG/5	09222	10.8	270	11/64-9/16	4.25-14.4	3/16-5/8	M4-M16
ARWR/SG/6	09223	14.8	370	11/64-11/16	4.25-17.7	3/16-7/8	M4-M20
ARWR/SG/7	09224	19.6	490	1/4-29/32	6.8-23.35	1/4-1.1/8	M6-M30
ARWR/SG/8	09225	29.6	740	3/8-1.13/32	9.2-36.0	1/2-1.3/4	M9-M45

♦ BESTSELLER

# 74

## TAP WRENCHES - T HANDLE TYPE



REGULAR TYPE

RATCHET TYPE

SQUARE SIZE

This range of tap wrenches are ideal for holding taps, reamers, screw extractors and other such small hand turned tools. All wrenches have a sliding T handle frictionally held, that allows these tap wrenches to be used even in confined spaces.

These are available in two types:

**Regular T Handle Type** - Self-centering hardened steel jaws provide positive grip on taps, reamers and other such small tools.

### Ratchet Type

These tap wrenches have self centering hardened steel jaws and knurled chuck sleeve, which provide positive grip on taps, reamers and other such small tools. The ratchet can be set left or right, or direct engagement in neutral position. This feature allows them to be used in confined areas with ease

### UTILITY



metalworking

### DIY

Cat. Nr.	Ordering Nr.	Overall Length (L)		Jaw Holding Capacity			
				Square Size		Tap Size	
		Inch	mm	Inch	mm	Inch	mm
<b>REGULAR</b>							
TW/3-16	09300	2.23/64	60	5/64 - 5/32	2 - 4	1/16 - 3/16	M2 - M5
TW/1-4 SPL	09301	2.3/4	70	5/64 - 13/64	2 - 5	1/16 - 1/4	M2 - M6
◆ TW/1-4	09302	2.3/4	70	1/8 - 13/64	3.15 - 5	5/32 - 1/4	M4 - M6
TW/5-16	09303	3.9/64	80	5/32 - 1/4	4 - 6.3	3/16 - 5/16	M5 - M8
◆ TW/1-2	09304	3.35/64	90	13/64 - 5/16	5 - 8	1/4 - 1/2	M6 - M10
<b>RATCHET TYPE</b>							
◆ TW/R/1-4	09320	3.3/8	86	7/64 - 7/32	2.6 - 5.5	5/32 - 1/4	M4 - M6
◆ TW/R/5-16	09321	4.3/8	111	3/16 - 5/16	4.6 - 8	1/4 - 1/2	M6 - M12

◆ BESTSELLER

# 75

## DIE STOCK HOLDERS FOR ROUND DIES



TYPE A: ACC DIN 225

TYPE B: PROFESSIONAL

This range of die holders is best suited for applications requiring efficient and clean cutting of external threads. Die holders have a rugged construction with heavy duty set screws that hold the die firmly in place.

These are manufactured in two types:

### Type A: Acc DIN 225

These have steel bodies with chrome plated handles.

### Type B: Professional

This range of die holders have an all steel construction with black powder coated body. Handles have knurled ends, the ends being black powder coated.

Cat. Nr.	Ordering Nr.	Suitable For Die Size		Length
		mm		
<b>Acc Din 225</b>				
DS/D/20-5	09100	20x5		200 mm
DS/D/20-7	09101	20x7		200 mm
◆ DS/D/25-9	09102	25x9		224 mm
◆ DS/D/30-11	09103	30x11		280 mm
DS/D/38-14	09104	38x14		315 mm
<b>PROFESSIONAL</b>				
DS/13-16	09110	13/16"		6.1/2"
◆ DS/0-1	09111	1"		8.1/4"
DS/1-5-16	09112	1.5/16"		10"
◆ DS/1-1-2	09113	1.1/2"		12.3/8"
◆ DS/0-2	09114	2"		15.3/8"
DS/2-1-2	09116	2.1/2"		19"
DS/0-3	09117	3"		22.1/2"
DS/3-1-2	09118	3.1/2"		29.3/4"
DS/0-4	09119	4"		33"

◆ BESTSELLER

# 76

## HAND TAPS - CARBON STEEL



Taps are used for cutting internal threads in predetermined holes. These perform best in materials where the cutting action results in chips which break up readily and do not present problems of chip disposal. Taps are usually used in sets of 3 (taper, second and bottom).

### Taper

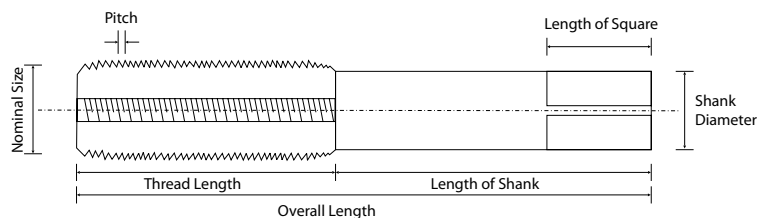
Used to provide a quick & easy start, but this will not cut the thread down to the bottom of the hole.

### Second

Used to increase the size of cut.

### Bottom

Used for follow through right to the bottom to obtain full depth of thread. As opposed to straight threads such as BSW, UNC, UNF, Metric etc; taps with parallel threads are shorter in length and are used for parallel threading. These are used in sets of 2. All taps are right hand taps.



### BRITISH STANDARD WHITWORTH (BSW) 55° - SET OF 3

Cat. Nr.	Ordering Nr.	Nominal Size	TPI (Thread per Inch)
		Inch	
TAP/1-16	09400	1/16	60
TAP/3-32	09401	3/32	48
TAP/1-8	09402	1/8	40
TAP/5-32	09403	5/32	32
TAP/3-16	09404	3/16	24
TAP/7-32	09405	7/32	24
TAP/1-4	09406	1/4	20
TAP/9-32	09407	9/32	20
TAP/5-16	09408	5/16	18
TAP/3-8	09409	3/8	16
TAP/7-16	09410	7/16	14
TAP/1-2	09411	1/2	12
TAP/9-16	09412	9/16	12
TAP/5-8	09413	5/8	11
TAP/11-16	09414	11/16	11
TAP/3-4	09415	3/4	10
TAP/13-16	09416	13/16	10
TAP/7-8	09417	7/8	9
TAP/15-16	09418	15/16	9
TAP/0-1	09419	1	8
TAP/1-1-8	09420	1.1/8	7
TAP/1-1-4	09421	1.1/4	7
TAP/1-3-8	09422	1.3/8	6
TAP/1-1-2	09423	1.1/2	6
TAP/1-3-4	09424	1.3/4	5
TAP/0-2	09425	2	4.1/2

### BRITISH STANDARD FINE (BSF) 55° - SET OF 3

Cat. Nr.	Ordering Nr.	Nominal Size	TPI (Thread per Inch)
		Inch	
TAP/BSF/3-16	09800	3/16	32
TAP/BSF/7-32	09801	7/32	28
TAP/BSF/1-4	09802	1/4	26
TAP/BSF/9-32	09803	9/32	26
TAP/BSF/5-16	09804	5/16	22
TAP/BSF/3-8	09805	3/8	20
TAP/BSF/7-16	09806	7/16	18
TAP/BSF/1-2	09807	1/2	16
TAP/BSF/9-16	09808	9/16	16
TAP/BSF/5-8	09809	5/8	14
TAP/BSF/11-16	09810	11/16	14
TAP/BSF/3-4	09811	3/4	12
TAP/BSF/13-16	09812	13/16	12
TAP/BSF/7-8	09813	7/8	11
TAP/BSF/15-16	09814	15/16	11
TAP/BSF/0-1	09815	1	10
TAP/BSF/1-1-8	09816	1.1/8	9
TAP/BSF/1-1-4	09817	1.1/4	9
TAP/BSF/1-3-8	09818	1.3/8	8
TAP/BSF/1-1-2	09819	1.1/2	8
TAP/BSF/1-3-4	09820	1.3/4	7
TAP/BSF/0-2	09821	2	7



UTILITY



DIY

metalworking

UNIFIED COARSE (UNC) 60° - SET OF 3

Cat. Nr.	Ordering Nr.	Nominal Size	TPI
		Inch	(Thread per Inch)
TAP/UNC/1-4	09900	1/4	20
TAP/UNC/9-32	09909	9/32	20
TAP/UNC/5-16	09901	5/16	18
TAP/UNC/3-8	09902	3/8	16
TAP/UNC/7-16	09903	7/16	14
TAP/UNC/1-2	09904	1/2	13
TAP/UNC/9-16	09910	9/16	12
TAP/UNC/5-8	09905	5/8	11
TAP/UNC/11-16	09911	11/16	11
TAP/UNC/3-4	09906	3/4	10
TAP/UNC/13-16	09912	13/16	10
TAP/UNC/7-8	09907	7/8	9
TAP/UNC/15-16	09913	15/16	9
TAP/UNC/0-1	09908	1	8
TAP/UNC/1-1-8	09914	1.1/8	7
TAP/UNC/1-1-4	09915	1.1/4	7
TAP/UNC/1-3-8	09916	1.3/8	6
TAP/UNC/1-1-2	09917	1.1/2	6
TAP/UNC/1-3-4	09918	1.3/4	5
TAP/UNC/0-2	09919	2	4.1/2

UNIFIED FINE (UNF) 60° - SET OF 3

Cat. Nr.	Ordering Nr.	Nominal Size	TPI
		Inch	(Thread per Inch)
TAP/UNF/1-4	10100	1/4	28
TAP/UNF/5-16	10101	5/16	24
TAP/UNF/3-8	10102	3/8	24
TAP/UNF/7-16	10107	7/16	20
TAP/UNF/1-2	10103	1/2	20
TAP/UNF/9-32	10117	9/32	18
TAP/UNF/9-16	10108	9/16	18
TAP/UNF/5-8	10104	5/8	18
TAP/UNF/11-16	10109	11/16	18
TAP/UNF/3-4	10105	3/4	16
TAP/UNF/13-16	10110	13/16	16
TAP/UNF/7-8	10111	7/8	14
TAP/UNF/15-16	10112	15/16	14
TAP/UNF/0-1	10106	1	12
TAP/UNF/1-1-8	10113	1.1/8	12
TAP/UNF/1-1-4	10114	1.1/4	12
TAP/UNF/1-3-8	10115	1.3/8	12
TAP/UNF/1-1-2	10116	1.1/2	12

BRITISH STANDARD PARALLEL (BSP) 55° - SET OF 2

Cat. Nr.	Ordering Nr.	Nominal Size	TPI
		Inch	(Thread per Inch)
TAP/2/BSP/1-8	09500	1/8	28
TAP/2/BSP/1-4	09501	1/4	19
TAP/2/BSP/3-8	09502	3/8	19
TAP/2/BSP/1-2	09503	1/2	14
TAP/2/BSP/5-8	09504	5/8	14
TAP/2/BSP/3-4	09505	3/4	14
TAP/2/BSP/7-8	09507	7/8	14
TAP/2/BSP/0-1	09506	1	11
TAP/2/BSP/1-1-4	09508	1.1/4	11
TAP/2/BSP/1-1-2	09509	1.1/2	11
TAP/2/BSP/1-3-4	09511	1.3/4	11
TAP/2/BSP/0-2	09510	2	11

METRIC - SET OF 3

Cat. Nr.	Ordering Nr.	Nominal Size	Pitch
		Inch	
TAP/2M	09602	2	0.40
TAP/3M	09603	3	0.50
TAP/4M	09604	4	0.70
TAP/5M	09605	5	0.80
TAP/6M	09606	6	1.00
TAP/7M	09607	7	1.00
TAP/8M/SPL	09660	8	1.00
TAP/8M	09608	8	1.25
TAP/9M/SPL	09661	9	1.00
TAP/9M	09609	9	1.25
TAP/10M/SPL1	09663	10	1.00
TAP/10M/SPL	09662	10	1.25
TAP/10M	09610	10	1.50
TAP/11M	09611	11	1.50
TAP/12M/SPL2	09666	12	1.00
TAP/12M/SPL	09664	12	1.25
TAP/12M/SPL1	09665	12	1.50
TAP/12M	09612	12	1.75
TAP/14M/SPL	09667	14	1.25
TAP/14M/SPL1	09668	14	1.50
TAP/14M	09614	14	2.00
TAP/16M/SPL	09669	16	1.50
TAP/16M	09616	16	2.00
TAP/18M/SPL	09670	18	1.50
TAP/18M/SPL1	09671	18	2.00
TAP/18M	09618	18	2.5
TAP/20M/SPL	09672	20	1.5
TAP/20M/SPL1	09673	20	2.00
TAP/20M	09620	20	2.50
TAP/22M/SPL1	09674	22	1.50
TAP/22M	09622	22	2.50
TAP/24M	09624	24	3.0
TAP/27M	09627	27	3.0
TAP/30M	09630	30	3.5
TAP/33M	09633	33	3.5
TAP/36M	09636	36	4.0
TAP/39M	09639	39	4.0
TAP/42M	09642	42	4.5
TAP/45M	09645	45	4.5
TAP/48M	09648	48	5.0
TAP/52M	09652	52	5.0

■ NEW

# 77

## ROUND DIES - CARBON STEEL

Dies are used for cutting external threads. These are used as individual pieces, the same die being passed over the job many times to obtain clean threading. Manufactured from carbon steel.



### UTILITY



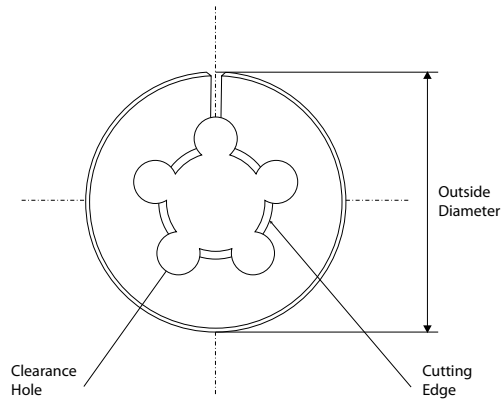
metalworking

#### BRITISH STANDARD ROUND DIES

Cat. Nr.	Ordering Nr.	Cat. Nr.	Ordering Nr.	Nominal Size	Outer Diameter
British Standard Whitworth 55° (BSW)		British Standard Fine 55° (BSW)		Inch	Inch
DI/0-1	10201	DI/BSF/0-24	14900	1/16	13/16
DI/0-2	10202	DI/BSF/0-25	14901	3/32	13/16
DI/0-3	10203	DI/BSF/0-26	14902	1/8	13/16
DI/0-4	10204	DI/BSF/0-27	14903	5/32	13/16
DI/0-5	10205	DI/BSF/0-28	14904	3/16	13/16
DI/0-6	10206	DI/BSF/0-29	14905	7/32	13/16
DI/0-7	10207	DI/BSF/0-30	14906	1/4	1
DI/0-7/SPL	10224	DI/BSF/0-30/SPL	14907	1/4	13/16
DI/0-8	10208	DI/BSF/0-31	14908	5/16	1
DI/0-9	10209	DI/BSF/0-32	14909	3/8	1
DI/0-10	10210	DI/BSF/0-33	14910	5/16	1.1/2
DI/0-11	10211	DI/BSF/0-34	14911	3/8	1.1/2
DI/0-12	10212	DI/BSF/0-35	14912	7/16	1.1/2
DI/0-13	10213	DI/BSF/0-36	14913	1/2	1.1/2
DI/0-14	10214	DI/BSF/0-37	14914	9/16	1.1/2
DI/0-15	10215	DI/BSF/0-38	14915	5/8	1.1/2
DI/0-16	10216	DI/BSF/0-39	14916	11/16	1.1/2
DI/0-17	10217	DI/BSF/0-40	14917	3/4	1.1/2
DI/0-18	10218	DI/BSF/0-41	14918	7/8	2
DI/0-19	10219	DI/BSF/0-42	14919	1	2
DI/0-20	10220	DI/BSF/0-43	14920	1.1/8	2.1/4
DI/0-20/SPL	10225	DI/BSF/0-43/SPL	14921	1.1/8	2.1/2
DI/0-21	10221	DI/BSF/0-44	14922	1.1/4	2.1/4
DI/0-21/SPL	10226	DI/BSF/0-44/SPL	14923	1.1/4	2.1/2
DI/0-22	10222	DI/BSF/0-45	14924	1.3/8	3
DI/0-23	10223	DI/BSF/0-46	14925	1.1/2	3

#### UNIFIED ROUND DIES

Cat. Nr.	Ordering Nr.	Cat. Nr.	Ordering Nr.	Nominal Size	Outer Diameter
Unified Fine 60° (UNF)		Unified Coarse 60° (UNC)		Inch	Inch
DI/UNF/0-47	15000	DI/UNC/0-70	15100	1/16	13/16
DI/UNF/0-48	15001	DI/UNC/0-71	15101	3/32	13/16
DI/UNF/0-49	15002	DI/UNC/0-72	15102	1/8	13/16
DI/UNF/0-50	15003	DI/UNC/0-73	15103	5/32	13/16
DI/UNF/0-51	15004	DI/UNC/0-74	15104	3/16	13/16
DI/UNF/0-52	15005	DI/UNC/0-75	15105	7/32	13/16
DI/UNF/0-53	15006	DI/UNC/0-76	15106	1/4	1
DI/UNF/0-53/SPL	15007	DI/UNC/0-76/SPL	15107	1/4	13/16
DI/UNF/0-54	15008	DI/UNC/0-77	15108	5/16	1
DI/UNF/0-55	15009	DI/UNC/0-78	15109	3/8	1
DI/UNF/0-56	15010	DI/UNC/0-79	15110	5/16	1.1/2
DI/UNF/0-57	15011	DI/UNC/0-80	15111	3/8	1.1/2
DI/UNF/0-58	15012	DI/UNC/0-81	15112	7/16	1.1/2
DI/UNF/0-59	15013	DI/UNC/0-82	15113	1/2	1.1/2
DI/UNF/0-60	15014	DI/UNC/0-83	15114	9/16	1.1/2
DI/UNF/0-61	15015	DI/UNC/0-84	15115	5/8	1.1/2
DI/UNF/0-62	15016	DI/UNC/0-85	15116	11/16	1.1/2
DI/UNF/0-63	15017	DI/UNC/0-86	15117	3/4	1.1/2
DI/UNF/0-64	15018	DI/UNC/0-87	15118	7/8	2
DI/UNF/0-65	15019	DI/UNC/0-88	15119	1	2
DI/UNF/0-66	15020	DI/UNC/0-89	15120	1.1/8	2.1/4
DI/UNF/0-66/SPL	15021	DI/UNC/0-89/SPL	15121	1.1/8	2.1/2
DI/UNF/0-67	15022	DI/UNC/0-90	15122	1.1/4	2.1/4
DI/UNF/0-67/SPL	15023	DI/UNC/0-90/SPL	15123	1.1/4	2.1/2
DI/UNF/0-68	15024	DI/UNC/0-91	15124	1.3/8	3
DI/UNF/0-69	15025	DI/UNC/0-92	15125	1.1/2	3



**METRIC ROUND DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	Outer Diameter
		Inch	Inch
DI/2M	10402	2x0.4	13/16
DI/3M	10403	3x0.5	13/16
DI/4M	10404	4x0.7	13/16
DI/4M-SPL	10440	4 X 0.75	13/16
DI/5M	10405	5x0.8	13/16
DI/5M-SPL	10441	5 X 0.90	13/16
DI/6M	10406	6x1.0	1
DI/6M-SPL	10442	6 x 1.0	1.1/2
DI/7M	10407	7x1.0	1
DI/8M-SPL 1	10443	8x1.0	1
DI/8M	10408	8x1.25	1
DI/8M-SPL	10444	8x1.25	1.1/2
DI/9M-SPL	10445	9 x 1.0	1
DI/9M	10409	9x1.25	1
DI/10M-SPL1	10447	10 X 1.25	1
DI/10M	10410	10x1.5	1
DI/10M-SPL	10446	10x1.5	1.1/2
DI/11M	10411	11 X 1.5	1.1/2
DI/12M-SPL	10448	12 X 1.5	1.1/2
DI/12M	10412	12x1.75	1.1/2
DI/13M	10413	13x1.75	1.1/2
DI/14M	10414	14x2.0	1.1/2
DI/16M	10416	16x2.0	1.1/2
DI/18M	10418	18x2.5	1.1/2
DI/20M	10420	20x2.5	2
DI/22M	10422	22x2.5	2
DI/24M	10424	24x3.0	2
DI/27M	10427	27x3.0	2.1/2
DI/30M	10430	30x3.5	2.1/2

**BRITISH STANDARD PARALLEL 55° (BSP) ROUND DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	Outer Diameter
		Inch	Inch
DI/BSP/0-93	15200	1/8	1
DI/BSP/0-94	15201	1/4	1.1/2
DI/BSP/0-95	15202	3/8	1.1/2
DI/BSP/0-96	15203	1/2	2
DI/BSP/0-97	15204	5/8	2
DI/BSP/0-98	15205	3/4	2
DI/BSP/0-99	15206	1	2.1/4
DI/BSP/0-100	15207	1	2.1/2
DI/BSP/0-101	15208	1.1/4	3

# 78

## HEXAGONAL DIES - CARBON STEEL

Also referred to as Die Nuts, Hexagonal Dies are used for cutting external threads. These are used as individual pieces, the same die being passed over the job to obtain clean threading. Manufactured from Carbon Steel, these can be tightened using a spanner



(BSF) 55° HEXAGONAL DIES

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		Inch	Inch	Inch
DI/H/BSF/1-8	10600	1/8	0.710	1/4
DI/H/BSF/5-32	10607	5/32	0.710	1/4
DI/H/BSF/7-32	10608	7/32	0.710	1/4
DI/H/BSF/1-4	10601	1/4	0.710	1/4
DI/H/BSF/9-32	10609	9/32	0.820	5/16
DI/H/BSF/5-16	10610	5/16	0.820	5/16
DI/H/BSF/3-8	10602	3/8	0.920	3/8
DI/H/BSF/7-16	10611	7/16	1.010	7/16
DI/H/BSF/1-2	10603	1/2	1.100	1/2
DI/H/BSF/9-16	10612	9/16	1.300	5/8
DI/H/BSF/5-8	10604	5/8	1.300	5/8
DI/H/BSF/3-4	10605	3/4	1.480	11/16
DI/H/BSF/7-8	10613	7/8	1.670	13/16
DI/H/BSF/0-1	10606	1	2.050	15/16
DI/H/BSF/1-1-8	10614	1.1/8	2.220	1.1/16
DI/H/BSF/1-1-4	10615	1.1/4	2.220	1.1/16
DI/H/BSF/1-3-8	10616	1.3/8	2.580	1.1/8
DI/H/BSF/1-1-2	10617	1.1/2	2.760	1.1/4
DI/H/BSF/1-5-8	10618	1.5/8	2.760	1.1/4
DI/H/BSF/1-3-4	10619	1.3/4	3.150	1.3/8
DI/H/BSF/1-7-8	16620	1.7/8	3.150	1.3/8
DI/H/BSF/0-2	10621	2	3.330	1.3/4

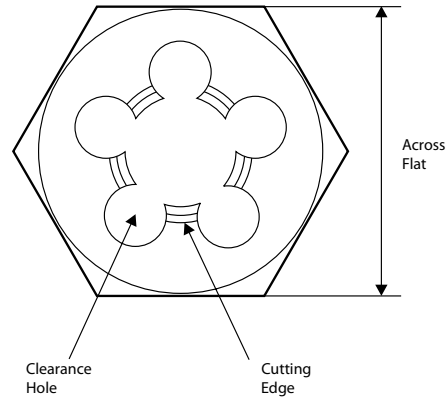
(BSW) 55° HEXAGONAL DIES

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		Inch	Inch	Inch
DI/H/1-8	10800	1/8	0.710	1/4
DI/H/5-32	10809	5/32	0.710	1/4
DI/H/7-32	10810	7/32	0.710	1/4
DI/H/3-16	10823	3/16	0.710	1/4
DI/H/1-4	10802	1/4	0.710	1/4
DI/H/9-32	10811	9/32	0.820	5/16
DI/H/5-16	10812	5/16	0.820	5/16
DI/H/3-8	10803	3/8	0.920	3/8
DI/H/7-16	10813	7/16	1.010	7/16
DI/H/1-2	10804	1/2	1.100	1/2
DI/H/9-16	10814	9/16	1.300	5/8
DI/H/5-8	10805	5/8	1.300	5/8
DI/H/3-4	10806	3/4	1.480	11/16
DI/H/7-8	10807	7/8	1.670	13/16
DI/H/0-1	10808	1	2.050	15/16
DI/H/1-1-8	10815	1.1/8	2.220	1.1/16
DI/H/1-1-4	10816	1.1/4	2.220	1.1/16
DI/H/1-3-8	10817	1.3/8	2.580	1.1/8
DI/H/1-1-2	10818	1.1/2	2.760	1.1/4
DI/H/1-5-8	10819	1.5/8	2.760	1.1/4
DI/H/1-3-4	10820	1.3/4	3.150	1.3/8
DI/H/1-7-8	10821	1.7/8	3.150	1.3/8
DI/H/0-2	10822	2	3.330	1.3/4



**(UNC) 60° HEXAGONAL DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		Inch	Inch	Inch
DI/H/UNC/1-8	14808	1/8	0.710	1/4
DI/H/UNC/5-32	14810	5/32	0.710	1/4
DI/H/UNC/7-32	14811	7/32	0.710	1/4
DI/H/UNC/1-4	14800	1/4	0.710	1/4
DI/H/UNC/9-32	14812	9/32	0.820	5/16
DI/H/UNC/5-16	14801	5/16	0.820	5/16
DI/H/UNC/3-8	14802	3/8	0.920	3/8
DI/H/UNC/7-16	14813	7/16	1.010	7/16
DI/H/UNC/1-2	14803	1/2	1.100	1/2
DI/H/UNC/9-16	14814	9/16	1.300	5/8
DI/H/UNC/5-8	14804	5/8	1.300	5/8
DI/H/UNC/3-4	14805	3/4	1.480	11/16
DI/H/UNC/7-8	14809	7/8	1.670	13/16
DI/H/UNC/0-1	14806	1	2.050	15/16
DI/H/UNC/1-1-8	14807	1.1/8	2.220	1.1/16
DI/H/UNC/1-1-4	14815	1.1/4	2.220	1.1/16
DI/H/UNC/1-3-8	14816	1.3/8	2.580	1.1/8
DI/H/UNC/1-1-2	14817	1.1/2	2.760	1.1/4
DI/H/UNC/1-5-8	14818	1.5/8	2.760	1.1/4



**METRIC HEXAGONAL DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		mm	Inch	Inch
DI/H/3M	10503	3	0.710	1/4
DI/H/4M	10504	4	0.710	1/4
DI/H/5M	10505	5	0.710	1/4
DI/H/6M	10506	6	0.710	1/4
DI/H/7M	10507	7	0.820	5/16
DI/H/8M	10508	8	0.820	5/16
DI/H/9M	10509	9	0.920	3/8
DI/H/10M	10510	10	0.920	3/8
DI/H/11M	10511	11	1.010	7/16
DI/H/12M	10512	12	1.100	1/2
DI/H/14M	10514	14	1.300	5/8
DI/H/16M	10516	16	1.300	5/8
DI/H/18M	10518	18	1.300	5/8
DI/H/18M/SPL	10519	18	1.480	11/16
DI/H/20M	10520	20	1.480	11/16
DI/H/22M	10522	22	1.670	13/16
DI/H/24M	10524	24	2.050	15/16
DI/H/27M	10527	27	2.220	1.1/16
DI/H/30M	10530	30	2.220	1.1/16
DI/H/33M	10533	33	2.580	1.1/8

**(UNF) 60° HEXAGONAL DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		Inch	Inch	Inch
DI/H/UNF/1-8	10911	1/8	0.710	1/4
DI/H/UNF/5-32	10912	5/32	0.710	1/4
DI/H/UNF/7-32	10913	7/32	0.710	1/4
DI/H/UNF/1-4	10900	1/4	0.710	1/4
DI/H/UNF/9-32	10914	9/32	0.820	5/16
DI/H/UNF/5-16	10901	5/16	0.820	5/16
DI/H/UNF/3-8	10902	3/8	0.920	3/8
DI/H/UNF/7-16	10915	7/16	1.010	7/16
DI/H/UNF/1-2	10903	1/2	1.100	1/2
DI/H/UNF/9-16	10916	9/16	1.300	5/8
DI/H/UNF/5-8	10904	5/8	1.300	5/8
DI/H/UNF/3-4	10905	3/4	1.480	11/16
DI/H/UNF/7-8	10910	7/8	1.670	13/16
DI/H/UNF/0-1	10906	1	2.050	15/16
DI/H/UNF/1-1-8	10908	1.1/8	2.220	1.1/16
DI/H/UNF/1-1-4	10909	1.1/4	2.220	1.1/16
DI/H/UNF/1-3-8	10917	1.3/8	2.580	1.1/8
DI/H/UNF/1-1-2	10918	1.1/2	2.760	1.1/4
DI/H/UNF/1-5-8	10919	1.5/8	2.760	1.1/4

**55° BSP HEXAGONAL DIES**

Cat. Nr.	Ordering Nr.	Nominal Size	A/F (Across Flats)	Thickness
		Inch	Inch	Inch
DI/H/BSP/1-8	10700	1/8	0.920	3/8
DI/H/BSP/1-4	10701	1/4	1.100	1/2
DI/H/BSP/3-8	10702	3/8	1.300	5/8
DI/H/BSP/1-2	10703	1/2	1.670	13/16
DI/H/BSP/5-8	10704	5/8	1.670	13/16
DI/H/BSP/3-4	10705	3/4	2.050	15/16
DI/H/BSP/7-8	10707	7/8	2.220	1.1/16
DI/H/BSP/0-1	10706	1	2.580	1.1/8
DI/H/BSP/1-1-4	10708	1.1/4	2.760	1.1/4
DI/H/BSP/1-1-2	10709	1.1/2	3.150	1.1/4
DI/H/BSP/1-3-4	10710	1.3/4	3.330	1.1/4

# 79

## TAP & DIE SETS



TDE/ST-41M/ST



TDE/ST/1

A complete range of taps and dies alongwith suitable tap wrenches and die holders packed in strong, attractive and convenient to store boxes. Contents are housed in a well fitted inserts.

Cat. Nr.	Ordering Nr.	Constituents
TDE/ST-41/ST	10015	<p><b>41 pcs Tap &amp; Die Set</b>            T handle Tap Wrench 0 - 1/4"            T handle Tap Wrench 1/4" - 1/2"            Bar Type Tap Wrench 0 - 1/2"</p> <p>Die Holders for Round Dies of dia. 13/16"            Die Holders for Round Dies of dia. 1"            Die Holders for Round Dies of dia. 1.1/2"</p> <p>Thread Pitch Gage (18 leaves, #8 to #44)</p> <p>17 individual Hand Taps &amp; Round Dies in sizes:            4-40 NC, 6-32 NC, 8-32 NC, 10-24 NC, 10-32 NF, 12-24 NC, 1/8"-27 NPT, 1/4"-20 NC, 1/4"-28 NF, 5/16"-18 NC, 5/16"-24 NF, 3/8"-16 NC, 3/8"-24 NF, 7/16"-14 NC, 7/16"-20 NF, 1/2"-13 NC, 1/2"-20 NF</p>
TDE/ST-41M/ST	10014	<p><b>41 pcs Metric Tap &amp; Die Set</b>            T handle Tap Wrench 0 - 1/4"            T handle Tap Wrench 1/4" - 1/2"            Bar Type Tap Wrench 0 - 1/2"</p> <p>Die Holders for Round Dies of dia. 13/16"            Die Holders for Round Dies of dia. 1"            Die Holders for Round Dies of dia. 1.1/2"</p> <p>Thread Pitch Gage (16 leaves, 0.35mm to 3mm)</p> <p>17 individual Hand Taps &amp; Round Dies in sizes:            3mm - 0.50mm, 4mm - 0.70mm, 4mm - 0.75mm, 5mm - 0.80mm, 5mm - 0.90mm, 6mm - 1.00mm, 7mm - 1.00mm, 8mm - 1.00mm, 8mm - 1.25mm, 9mm - 1.00mm, 9mm - 1.25mm, 10mm - 1.25mm, 10mm - 1.50mm, 11mm - 1.50mm, 12mm - 1.50mm, 12mm - 1.75mm, 1/8" - 28mm BSP</p>

Cat. Nr.	Ordering Nr.	Constituents
TDE/ST/1	10000	<p><b>37 pcs Metric Tap &amp; Die Set</b>            Bar Type Tap Wrench 2 mm - 6.3 mm            Bar Type Tap Wrench 4.9 mm - 12 mm</p> <p>Die Holders for Round Dies of dia. 1"            Die Holders for Round Dies of dia. 1.1/2"            Die Holders for Round Dies of dia. 2"</p> <p>8 Round Dies:            6mm , 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm</p> <p>8 Metric Tap Sets: (3 Taps each)            6mm , 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm</p>

### UTILITY



DIY

metalworking

# PLIERS & WRENCHES



[www.groz-tools.com](http://www.groz-tools.com)

08

# 80

## COMBINATION PLIERS

**NEW!**

Combination Pliers, also referred to as Lineman's Pliers are the most commonly used hand tool that do everything that a plier needs to do: grip, bend, straighten, crush, pull, strip insulations, cut wires etc.

**Induction Hardened cutting edges (54-58 HRC) for cutting soft wires (copper, Aluminum & plastic) to Medium Hard Wires (Nails)**

**Trapezoidal finger protection stops hands from slipping, ensuring maximum safety**

**Double injection moulded handles for comfort grip**

**Roughly curved toothed jaws for securely holding round jobs such as screws, pipes etc.**

**Side slot for cutting soft wires & nails**

**Hot forged, special hardened & tempered steel**

**Polished Finish**

**Flat serrated gripping jaws hold flat jobs & small tools lightly**

**34-58 HRC**

**STEEL 50**

**forged construction**

**flat jaws**

**cuts soft wires**

**cuts medium hard wires**

### NOTE

An occasional drop of oil on the joint will ensure that your pliers have a long life

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
CPL/CS/6	31535	6	150
CPL/CS/7	31536	7	175
◆CPL/CS/8	31537	8	200

◆ BESTSELLER



Induction hardened cutting edges (54-58 HRC) for cutting soft to medium hard wires



# 81

## LONG NOSE PLIERS

**NEW!**

Long Nose / Needle Nose Pliers are used by electricians and tradesmen primarily for cutting & gripping wires. Their long gripping nose provides excellent control & reach for fine work in small or crowded electrical enclosures

**Roughly curved toothed jaws for securely holding round jobs**

**Induction Hardened cutting edges (54-58 HRC) for cutting soft wires (copper, Aluminum & plastic) to Medium Hard Wires (Nails)**

**Double injection moulded handles for comfort grip**

**Polished Finish**

**Trapezoidal finger protection stops hands from slipping, ensuring maximum safety**

**Slim, half round internally serrated gripping jaws access narrow & awkward spots easily**

**Hot forged, special hardened & tempered steel**

34-58 HRC

C50 STEEL

forged construction

half round jaws

cuts soft wires

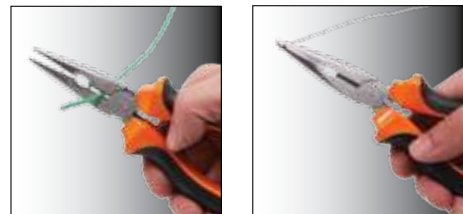
cuts medium hard wires

**NOTE**

An occasional drop of oil on the joint will ensure that your pliers have a long life

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
◆ LNP/CS/6	31545	6	150
LNP/CS/7	31546	7	175
◆ LNP/CS/8	31547	8	200

◆ **BESTSELLER**



Induction hardened cutting edges (54-58 HRC) for cutting soft to medium hard wires

# 82

## SIDE CUTTING PLIERS

**NEW!**

Side Cutting Pliers, also referred to as Diagonal Pliers are primarily used for cutting wires. These are amongst the most useful type of pliers found in every electrician's kit. Pliers have a narrow head style for use in confined areas

**Hot forged, special hardened & tempered steel**

**Double injection moulded handles for comfort grip**

**Induction Hardened cutting edges (54-58 HRC) for cutting soft materials (copper, Aluminum, Brass) to Medium Hard Wires (Nails)**

**Polished Finish**

**Trapezoidal finger protection stops hands from slipping, ensuring maximum safety**

**54-58 HRC**

**STEEL C50**

**forged construction**

**half round jaws**

**cuts soft wires**

**cuts medium hard wires**

### NOTE

Always place the wire to be cut as near as possible to the joint. This increases the leverage and immensely reduces the cutting effort

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
SCP/CS/6	31555	6	150
SCP/CS/7	31556	7	175



Induction hardened cutting edges (54-58 HRC) for cutting soft to medium hard wires and nails

83

**FRONT  
CUTTER**

**NEW!**

Front Cutters, more popular in the US are used to twist & cut wire in one operation

Induction Hardened cutting edges (54-58 HRC) for cutting soft & medium hard wire braid & meshes

Cushion grip handle for convenience in use

Polished Head

Hot forged, special hardened & tempered steel

Black Oxide Finish

54-58 HRC

STEEL C50

forged construction

cuts soft wires

cuts medium hard wires

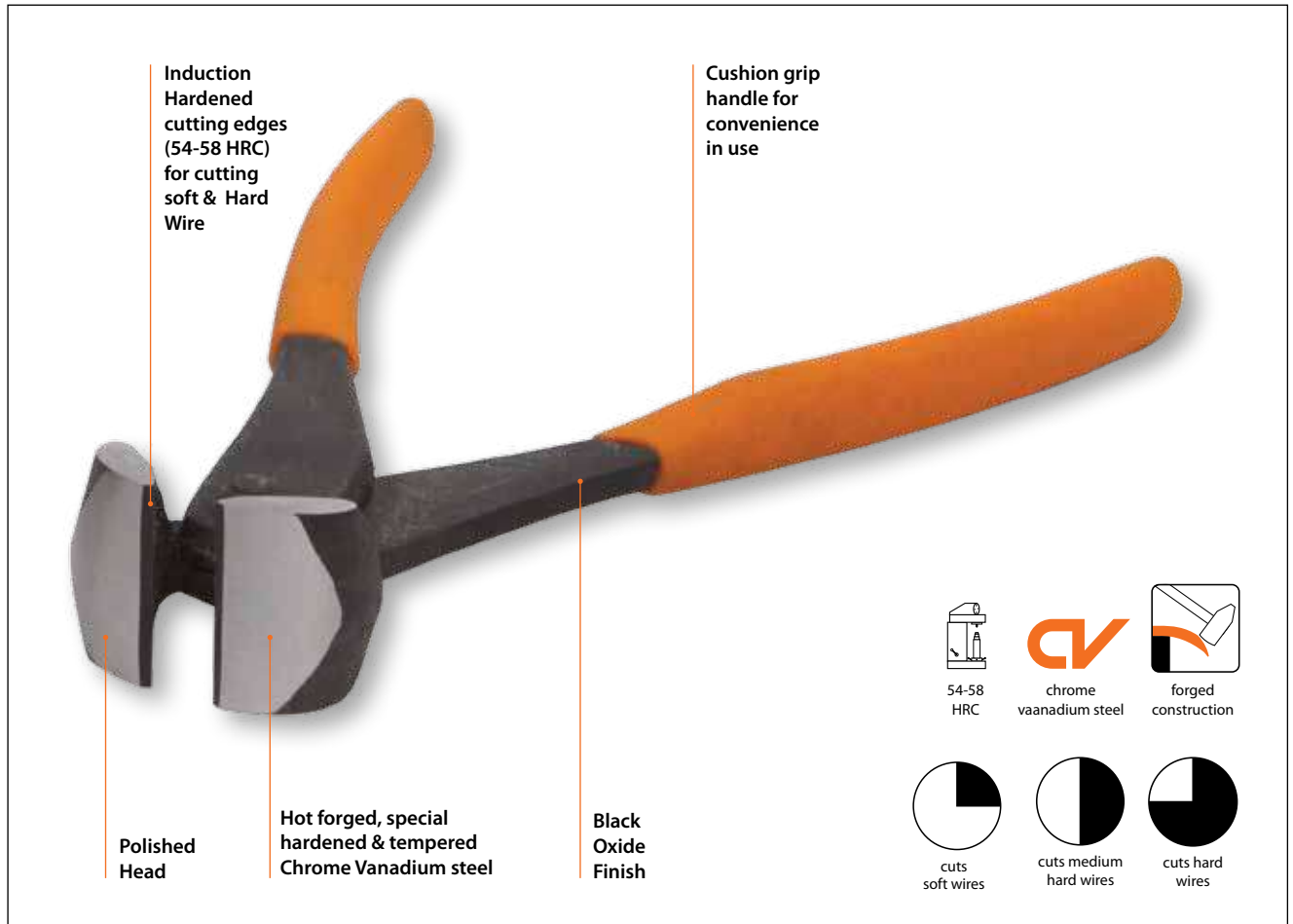
Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
FCT/A/CS/6	32350	6	150
FCT/A/CS/8	32351	8	200

# 84

## END NIPPERS

**NEW!**

End Nippers, most popular in the Middle East are used to twist & cut binding wire. These are also used for wire netting in reinforced concrete construction



Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
◆ EN/CV/6	32305	6	150
EN/CV/8	32306	8	200

◆ BESTSELLER



# 85 CONCRETE NIPPERS

**NEW!**

Concrete Nippers, most popular in the Middle East are used to twist & cut wire in one operation

**Induction Hardened cutting edges (54-58 HRC) for cutting soft & medium hard wire braid & meshes**

**Cushion grip handle for convenience in use**

**Polished Head**

**Hot forged, special hardened & tempered steel**

**Black Oxide Finish**

**54-58 HRC**

**STEEL C50**

**forged construction**

**cuts soft wires**

**cuts medium hard wires**

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
CN/CS/9	32340	9	225
CN/CS/10	32341	10	250
CN/CS/11	32342	11	275

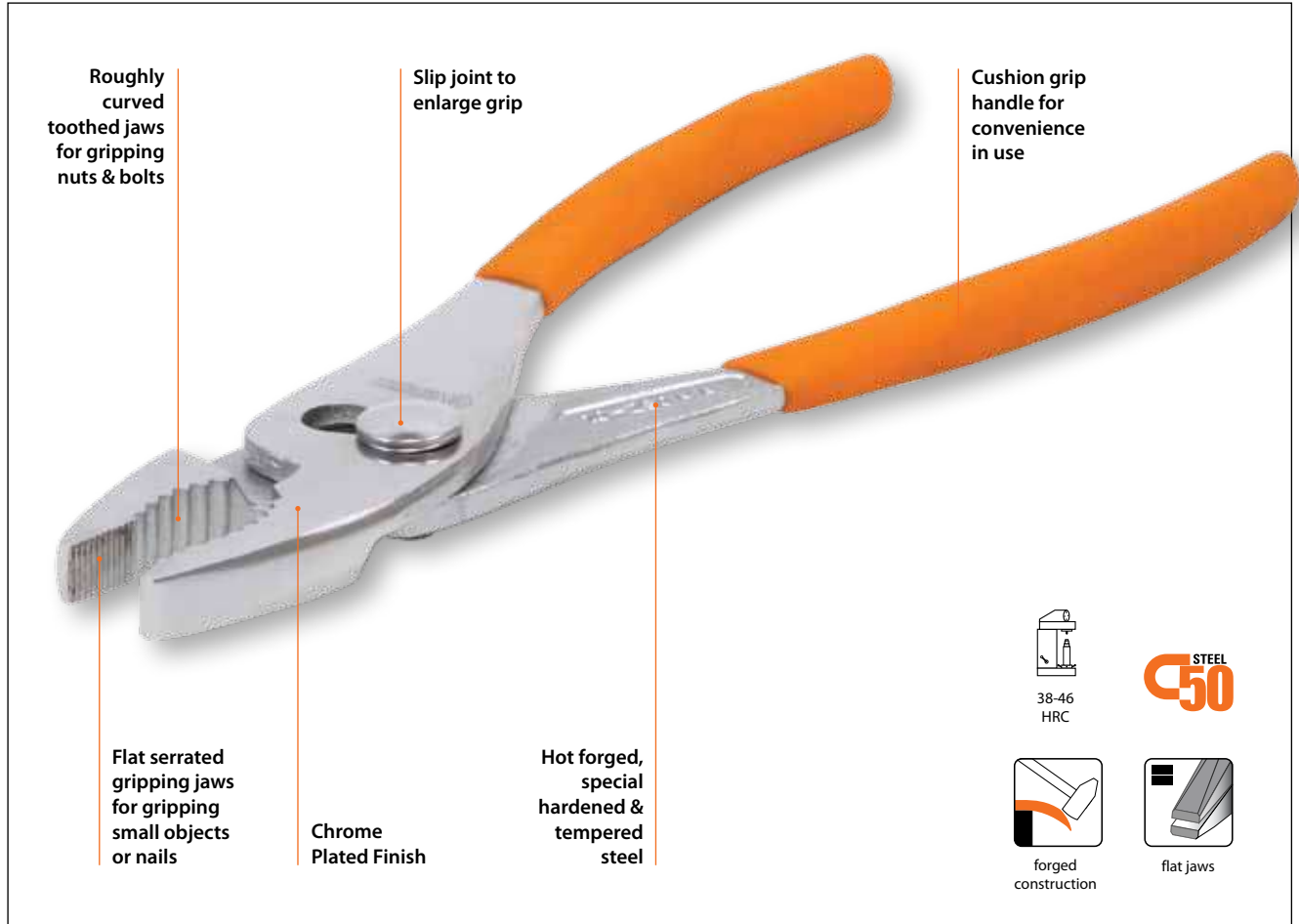


# 86

## SLIP JOINT PLIERS

**NEW!**

Slip Joint Pliers, very popular in the US have a pivot pin which can be moved to increase the size range of the jaws. These are commonly used for loosening or tightening nuts, pulling small nails etc.



Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
SJP/CS/6DS	31642	6	150
SJP/CS/8DS	31643	8	200
SJP/CS/10DS	31644	10	250

# 87

## FENCING PLIERS

**NEW!**

Fencing Pliers are a multi-use tool used to cut wire, pull out nails and staples, crimp ferrules, hammer in nails, form loops on wires, stretch barbed wire & much more. These come-in handy for erecting a stable fence, mark boundaries to keep animals within a designated area etc.

Claw is sized & designed for pulling fence staples out of wood

Jaws for crimping ferrules

Cushion grip handle for convenience in use

Main jaws shaped to grip staples & pull them out of the post

Side slot for cutting soft wires & nails

Hot forged, special hardened & tempered steel

Polished Finish

Grooved hammer face to consistently drive fence staples

38-46 HRC

STEEL C50

forged construction

cuts soft wires

cuts medium hard wires



Side slot for cutting wires



Main jaw for pulling out nails



Jaws for crimping ferrules



Head for hammering in nails



Claw designed for pulling out staples from wood

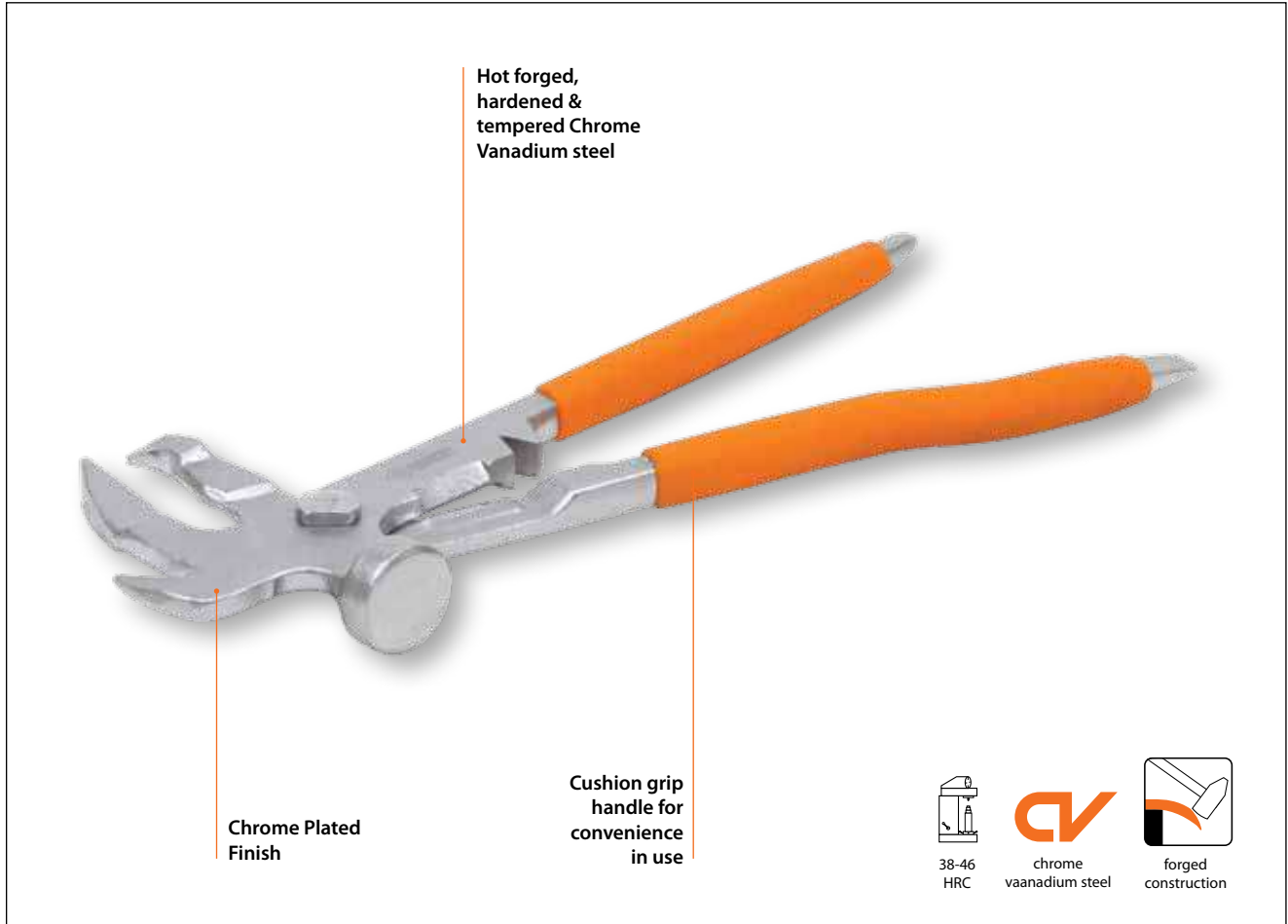
Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
FPL/10H	31612	10-1/2	265

# 88

## WHEEL BALANCING PLIERS

**NEW!**

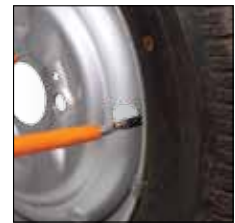
Wheel Balancing Pliers are used to remove & detach wheel balancing weights. These perform several functions such as forming wheel balancing weights, removing & attaching wheel balancing weights from wheel rims, removing wheel balancing weights from alloy wheel rims etc.



Plier being used to detach wheel balancing weights



Hammer end being used to form wheel balancing weights



Prying wheel balancing weights from the alloy rims

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
WBP/CV/10	31665	10	250

89

# MIG WELDING PLIERS

**NEW!**

Welding Pliers are used for maintenance of welding guns in MIG welding

**Induction Hardened cutting edges (54-58 HRC) for cutting wires**

**Serrated curved body for nozzle removal & installation**

**Cushion grip handle for convenience in use**

**Serrated curved section for tip removal & installation**

**Jaws for removing weld spatter both from inside & outside of the welding gun nozzle**

**Polished Finish**

**Hot forged, special hardened & tempered steel**

54-58 HRC

STEEL 50

forged construction

cuts soft wires

cuts medium hard wires



Welding Gun Nozzle filled with weld spatter



Tapered front jaw for removal of welding spatter from inside of the welding gun nozzle



Nozzle removal & installation



Induction hardened cutting edges for cutting medium hard wires



Tip removal and installation

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
MWP/8	31660	8	200

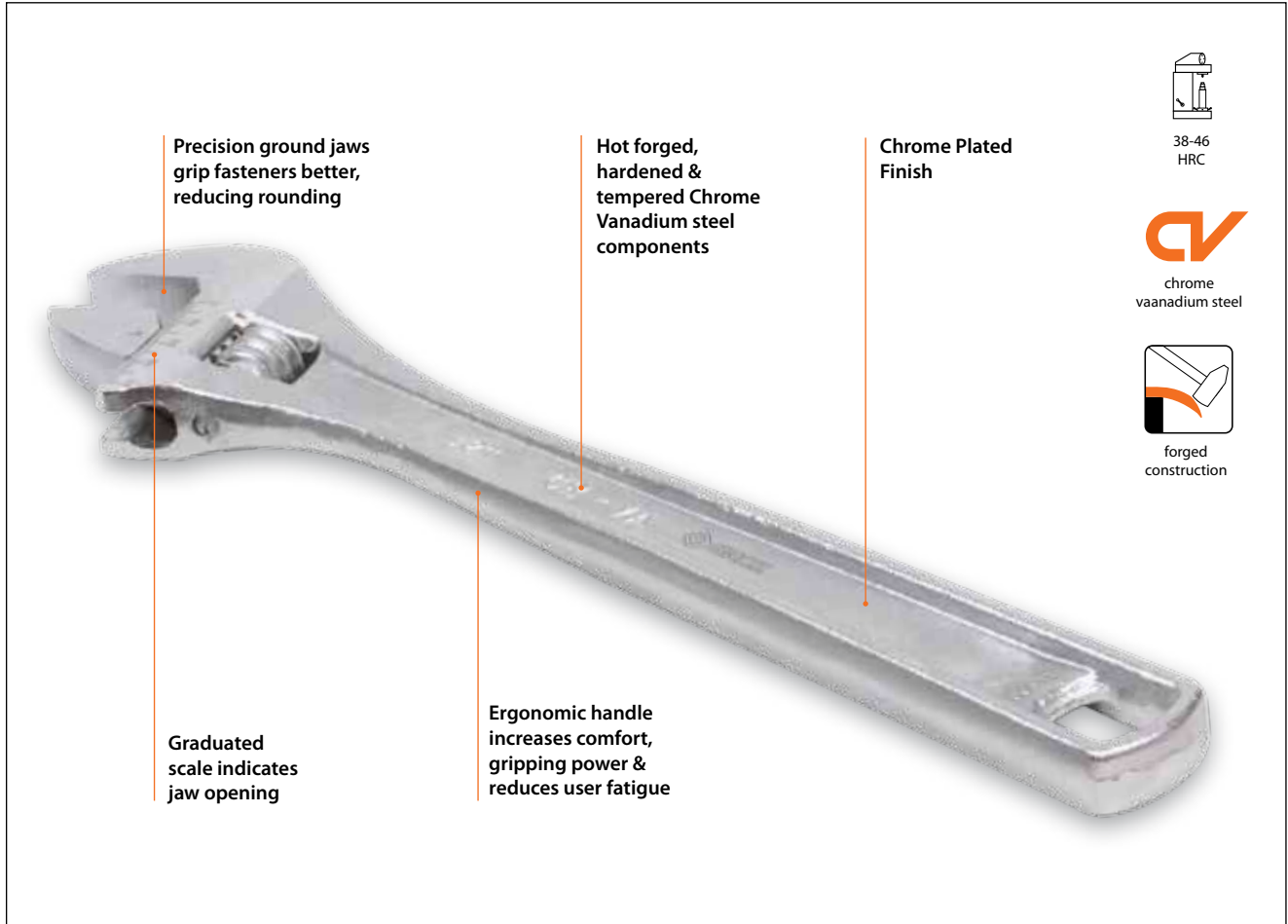


# 90

## ADJUSTABLE WRENCHES

**NEW!**

Adjustable Wrench is a spanner with a jaw of adjustable width, allowing it to be used with different sizes of nuts & bolts, rather than a single size as with a conventional fixed spanner. The same wrench can be used with both metric & imperial fasteners



Cat. Nr.	Ordering Nr.	Length		Opening		Torque	
		Inch	mm	Inch	mm	lb-in	kgf-m
■ AWR/CV/4	31754	4	100	1/2	13	3.69	66
■ AWR/CV/6	31753	6	150	3/4	19	8.27	148
■ AWR/CV/8	31750	8	200	15/16	24	8.27	148
◆ AWR/CV/10	31751	10	250	1	27	13.69	245
■ AWR/CV/12	31752	12	300	1-5/16	34	21.9	392

◆ BESTSELLER ■ NEW



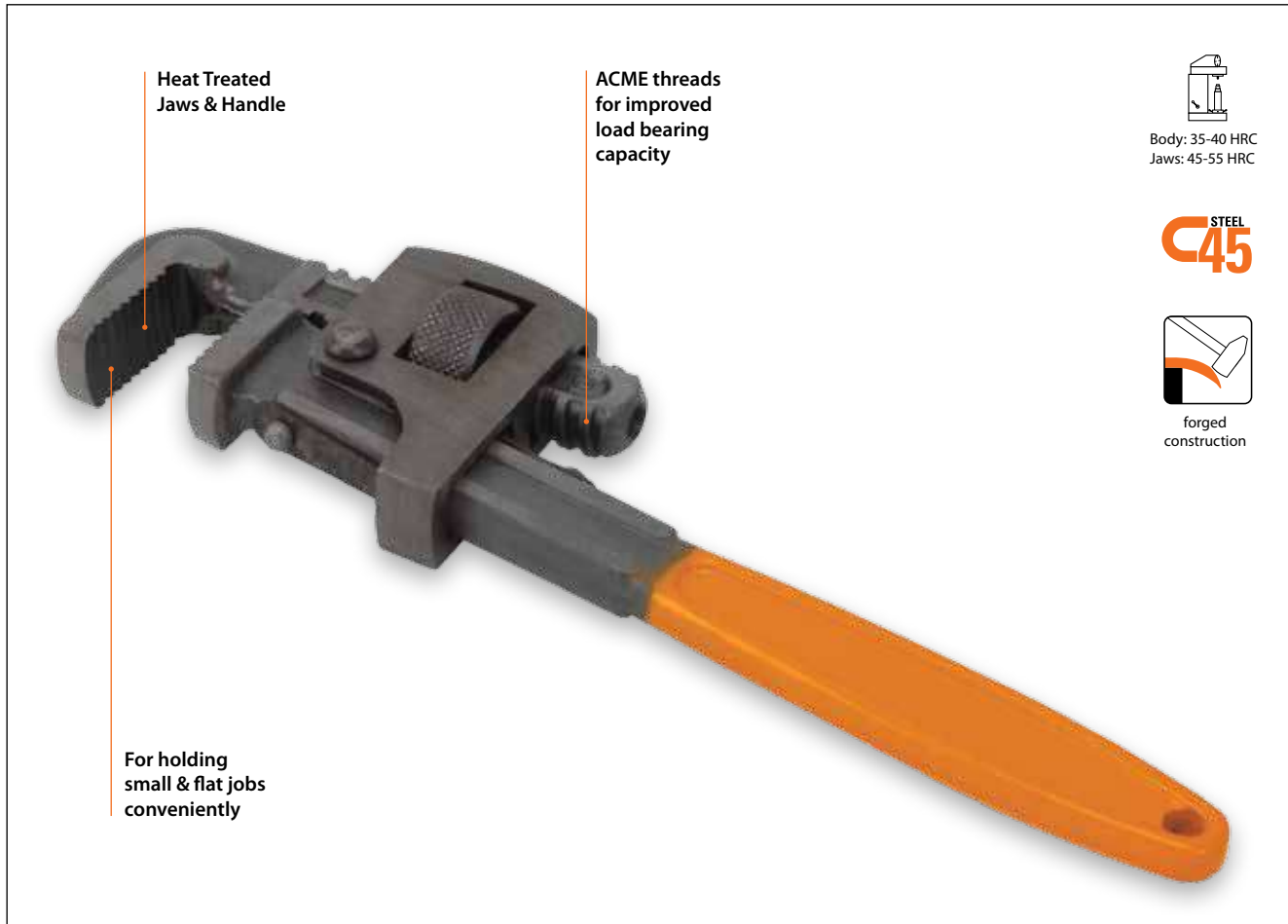
### NOTE

Ensure that fixed jaw leads the rotation & movable jaws follows the fixed jaw. This way, there will be less stress on the movable jaw which is not supported as ruggedly as the fixed jaw

91

# ADJUSTABLE PIPE WRENCHES - STILLSON PATTERN NEW!

Drop Forged and Heat Treated Handle & Jaws with high grade cast malleable iron frames. Accurately machined screw threads and nut with spring jaws. Designed so that when pressure is applied all the stress is transmitted through the steel hook jaw and adjusting nut to the handle jaw without the frame having to bear significant load. Hardened tempered jaw teeth with V grooves are in opposite directions enabling a ratcheting action.



**NOTE**

These should not be used on nuts, bolts & hexagonal fittings where they could cause damage.

Cat. Nr.	Ordering Nr.	Length		Max. Opening	
		Inch	mm	Inch	mm
SPW/10	31760	10	250	1-5/16	33
SPW/12	31761	12	300	1-21/32	42
SPW/14	31762	14	350	1-7/8	48
SPW/18	31763	18	450	2-3/8	60
SPW/24	31764	24	600	2-7/8	73

# 92

## WATER PUMP PLIERS

**NEW!**

Water Pump Pliers are commonly used for turning & holding nuts & bolts, gripping irregularly shaped objects, holding pipes etc. They hold all kinds of items with larger diameter too, regardless of whether they are round, square or hexagonal. Pliers have serrated jaws set at 45° from the handles. The lower jaw can be moved to 7 different positions by sliding along a tracking section under the upper jaw. An advantage of this design is that pliers can adjust to a number of sizes without the distance in the handle growing wider.

**Fully Hardened jaws clamp automatically on pipes & nuts**

**Unique box joint adjusting system allows quick & easy one hand adjustment**

**Black Oxide Finish**

**Cushion grip handle for convenience in use**

**Jaws remain parallel in any position for better grip**

**Special barrier prevents accidental squeeze of fingers between plier handles**

**Hot forged, hardened & tempered Chrome Vanadium steel**

38-46 HRC    chrome vanadium steel    forged construction

### DO NOT USE

Pipe or other tools to increase torque, instead use longer length of Water Pump Pliers

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
WPP/BJ/7/CV	31740	7	175
◆ WPP/BJ/10/CV	31741	10	250
WPP/BJ/12/CV	31742	12	300
WPP/BJ/16/CV	31743	16	400

◆ BESTSELLER



# AUTOMOTIVE

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09

# 93

## BOX SPANNERS (BOX WRENCHES)

Manufactured from high quality steel tubing, these double ended box wrenches have a different socket size on each end. Thin and long body allows these to be used to loosen or tighten nuts and bolts in narrow, recessed areas. Box wrenches are used with tommy bars which is passed through the holes provided in the sides of the wrench. Supplied complete with tommy bars.

These are available in two types:

### 1. Metric Sizes

Size is measured as the width of the nut across hexagon flats

### 2. BA Sizes

Measured in accordance with British Association specifications



ERW  
steel tube



Cat. Nr.	Ordering Nr.	Nominal Size	Length	Tommy Bar	
			mm	Length (mm)	Dia (mm)
<b>METRIC SIZES</b>					
BW/6-7	32000	6 mm x 7 mm	102	77	3
BW/8-9	32001	8 mm x 9 mm	102	102	6
BW/10-11	32002	10 mm x 11 mm	102	102	6
BW/12-13	32003	12 mm x 13 mm	102	102	6
BW/14-15	32004	14 mm x 15 mm	127	152	9
BW/16-17	32005	16 mm x 17 mm	127	152	9
BW/18-19	32006	18 mm x 19 mm	127	152	9
BW/20-21	32007	20 mm x 21 mm	127	152	9
BW/22-23	32008	22 mm x 23 mm	127	152	9
BW/24-25	32009	24 mm x 25 mm	152	203	12
BW/26-27	32010	26 mm x 27 mm	152	203	12
BW/30-32	32013	30 mm x 32 mm	152	256	16
<b>Sets</b>					
BW/6M/ST	32019	A set of 6 Box wrenches in sizes 8x9, 10x11, 12x13, 14x15, 16x17 & 18x19 with two Tommy bars, packed in a vinyl pouch.			

<b>BA SIZES</b>					
BW/BA/0-1	32200	0.423" x 0.368"	76.5	77	5
BW/BA/2-3	32201	0.330" x 0.283"	76.5	77	5
BW/BA/4-5	32202	0.254" x 0.222"	76.5	77	5
BW/BA/6-7	32203	0.198" x 0.173"	76.5	77	3
BW/BA/8-9	32204	0.157" x 0.134"	76.5	77	3
▶ BW/BA/10	32205	0.118"	76.5	77	3
<b>Sets</b>					
BW/6/ST	32209	A set of 6 Box wrenches in sizes : 0.423" x 0.368", 0.330" x 0.283", 0.254" x 0.222", 0.198" x 0.173", 0.157" x 0.134", and 0.118" with two Tommy Bars, packed in a vinyl pouch.			

### ▶ SINGLE ENDED



94

## WHEEL WRENCHES - DOUBLE ENDED

Heavy Duty Double Ended Wheel Wrenches, also referred to as Truck Wrenches are used to open lug nuts on trucks, buses, farm and off-road vehicles.

These are available in two types:

### 1. Hardened Wheel Wrenches

Forged from Chrome Vanadium Steel, these are hardened 40 – 45 HRC and tempered. Supplied without handle/ tommy bar, which can be bought separately. One handle size fits all wrenches

### 2. Alloy Steel Wrenches

Forged from alloy steel with rust inhibiting bright nickel plating. Supplied with Tommy Bar



HARDENED  
WHEEL  
WRENCHES

ALLOY STEEL  
WHEEL WRENCHES  
WITH TOMMY BAR



forged  
construction

Cat. Nr.	Ordering Nr.	Socket Size	Overall Length
		mm	mm
<b>HARDENED WHEEL WRENCHES</b>			
B/WW/CV/24-27	31930	24 x 27	400
B/WW/CV/27-30	31931	27 x 30	400
B/WW/CV/27-32	31932	27 x 32	400
B/WW/CV/27-33	31933	27 x 33	400
B/WW/CV/30-32	31934	30 x 32	400
B/WW/CV/30-33	31935	30 x 33	400
<b>SPARE TOMMY BAR</b>			
TMB/600-22	31941	600 X 22	

Cat. Nr.	Ordering Nr.	Size	Overall Length
		mm	mm
<b>ALLOY STEEL WRENCHES WITH TOMMY BAR</b>			
WW/D/24-27	31900	24 x 27	400
◆ WW/D/27-30	31901	27 x 30	400
WW/D/27-32	31902	27 x 32	400
WW/D/27-33	31903	27 x 33	400
◆ WW/D/30-32	31904	30 x 32	400
◆ WW/D/30-33	31905	30 x 33	400
WW/D/32-38	31906	32 x 38	400
WW/D/35-17	31907	35 x 17	400
WW/D/38-21	31908	38 x 21	400
◆ WW/D/41-21	31909	41 x 21	400
<b>SPARE TOMMY BAR</b>			
TMB/430-19	31940	430mm x 19mm	

◆ BESTSELLER

# 95 SLOGGING WRENCHES

**NEW!**

Slogging wrenches are used for tightening and slackening large nuts & bolts in ship maintenance, mining, piping and other similar industrial applications.

Forged from Chrome Vanadium Steel, these are hardened 39 – 46 HRC and tempered. One end is shaped to fit a nut and the other is enlarged to receive blows from a hammer. The shock of the impact is useful in breaking rust/ paint

These are available in two types:

1. Ring Slogging Wrenches
2. Open Jaw Slogging Wrenches



**RING SLOGGING WRENCHES**

**OPEN JAW SLOGGING WRENCHES**

Cat. Nr.	Ordering Nr.	Size	Length
		mm	mm
<b>RING SLOGGING WRENCHES</b>			
RSW/22	31825	22	172
RSW/24	31800	24	160
◆ RSW/27	31801	27	180
◆ RSW/30	31802	30	190
RSW/32	31803	32	190
RSW/34	31804	34	190
◆ RSW/36	31805	36	205
RSW/38	31806	38	205
◆ RSW/41	31807	41	230
RSW/42	31814	42	225
RSW/46	31808	46	240
RSW/50	31809	50	255
RSW/55	31810	55	270
RSW/60	31811	60	280
RSW/65	31812	65	300
RSW/70	31813	70	310
RSW/75	31815	75	330
RSW/80	31816	80	345
RSW/85	31817	85	348
RSW/90	31818	90	390
RSW/95	31819	95	390
RSW/100	31820	100	420
RSW/105	31821	105	420
RSW/110	31822	110	447
RSW/115	31823	115	447
RSW/120	31824	120	447

Cat. Nr.	Ordering Nr.	Size	Length
		mm	mm
<b>OPEN JAW SLOGGING WRENCHES</b>			
OSW/22	31850	22	160
OSW/24	31851	24	170
OSW/27	31852	27	180
OSW/30	31853	30	185
OSW/32	31854	32	190
OSW/34	31855	34	190
OSW/36	31856	36	220
OSW/38	31857	38	220
OSW/41	31858	41	235
OSW/42	31875	42	235
OSW/46	31859	46	255
OSW/50	31860	50	275
OSW/55	31861	55	300
OSW/60	31862	60	320
OSW/65	31863	65	340
OSW/70	31864	70	375
OSW/75	31865	75	375
OSW/80	31866	80	408
OSW/85	31867	85	408
OSW/90	31868	90	438
OSW/95	31869	95	438
OSW/100	31870	100	478
OSW/105	31871	105	478
OSW/110	31872	110	502
OSW/115	31873	115	502
OSW/120	31874	120	502



39-46 HRC

**CV**  
chrome vanadium steel



forged construction

◆ BESTSELLER

# 96

## ROLL HEAD PRY BARS



# 97

## CAT/ALIGNING BARS



ROUND SECTION BARS

HEXAGONAL SECTION BAR

Manufactured from Chrome Vanadium Steel these are fully hardened and tempered. Specifically designed for heavy prying & fulcrum prying especially in automotive applications with the tapered end used for aligning applications.

These are heavy duty Bars forged from chrome alloy steel. The prying end is on one side with lining up on the other. The body is fully hardened to resist any bending. These are available with a round section or hexagonal section, in bright zinc plated finish. Sizes 48" & 54" come in powdered coated finish



38-43 HRC



chrome vanadium



forged construction

### UTILITY



automotive



35-40 HRC



chrome alloy



forged construction

### UTILITY



automotive

Cat.Nr.	Ordering Nr.	Length		Stock Size	
		Inch	mm	Inch	mm
PRY/6	33150	6	150	5/16	8
PRY/12	33151	12	300	7/16	11
PRY/16	33152	16	400	9/16	14
PRY/20	33153	20	500	11/16	17
PRY/4-ST	33154	Set of above 4 Pry Bars			

Cat. Nr.	Ordering Nr.	Length		Stock Size/ HEX (A/F)	
		Inch	mm	Inch	mm
<b>ROUND SECTION BARS</b>					
■ CAT/16	33169	16	400	5/8	16
CAT/18	33170	18	450	5/8	16
CAT/24	33171	24	600	3/4	19
CAT/30	33172	30	750	7/8	22
CAT/36	33173	36	900	7/8	22
■ CAT/48	33176	48	1200	1	25
■ CAT/54	33177	54	1350	1	25
<b>HEXAGONAL SECTION BAR</b>					
CAT/H/16/CP	33175	16	400	5/8	16

■ NEW

# SPECIALITY



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10

# 98

## PAINT MIXERS

Paint mixers are ideal for mixing paint and a multitude of other low density materials. Manufactured from a 5/16"(8mm) hexagonal shaft with fluted construction, these have an attractive red powder coated finish for increased protection against rust.

### Using Paint Mixers

Place Paint Mixer in the container of material and gently work around the container edges till the material starts flowing towards the center of the blades.

- Continue to gently work on the material till it is of desired consistency.
- For coarse or stiff materials, reverse the direction of the drill and follow above steps. The mixer works best with a variable speed reversible drill machine with 400 – 600 watts minimum power. Recommended speed between 200 – 700 rpm depending upon the material being mixed.

### Important

- Do not use Paint Mixer with lacquer or other such inflammable liquids [with flashpoint under 32°C (70°F)]
- Insert mixer well into the material before turning on the drill.
- When mixing is complete, wait for the mixer to come to a halt before removing it from the container.

Cat. Nr.	Ordering Nr.	Dia. of Mixing Wheel		Length		Fits Drill Size	
		Inch	mm	Inch	mm	Inch	mm
♦ PMX/60	14620	2.3/8	60	16	400	3/8	9.5
PMX/80	14621	3.3/16	80	16	400	3/8	9.5

♦ BESTSELLER



# 99

## REVOLVING PUNCH PLIER

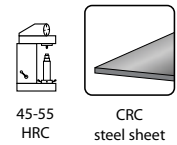
Professional quality pliers, these are made from heavy gauge pressed steel sheet and are used to punch holes in leather, canvas, plastics, watch bands, belts etc.

Punches are accurately heat treated for extended life and are exposed to a brass anvil which prevents the edges from getting damaged in use. Each punch locates exactly in position locking in place with the prawl and ratchet mechanism.

Spring loaded revolving head incorporates 6 punches of sizes 5/64" (2 mm), 3/32"(2.5 mm), 1/8"(3.0 mm), 9/64" (3.5 mm), 5/32"(4 mm) & 3/16" (4.5 mm).

Cat. Nr.	Ordering Nr.	Length	
		Inch	mm
♦ RPL/6	31600	8.3/4	220

♦ BESTSELLER



45-55 HRC

CRC steel sheet





# 100

## SCRATCH AWL

**NEW!**

Awls are used for making small holes in narrow timber.

The alloy steel blade runs through the handle and is securely fastened to the plated steel ferrule and the cap. Hardwood handle is contoured for a comfortable grip

Cat. Nr.	Ordering Nr.	Overall Length	
		Inch	mm
SA/818	03230	6-15/32	165



# 101

## BRASS HAMMERS

An ideal combination of Brass & Aluminum makes these hammers very safe for use even in explosive environments. The Brass Head does not spark and protects metal surfaces from any damage such as denting or marking during use. The Non slip aluminium handle is knurled for comfortable non-slip grip.

Cat.Nr.	Ordering Nr.	Head Wt.	
◆ BRH/6oz	32490	6oz	0.170 kg
◆ BRH/1	32491	1 lb	0.450 kg
BRH/2-1-2	32492	2.1/2 lbs	1.140 kg
BRH/3	32493	3 lbs	1.360 kg
BRH/4	32494	4 lbs	1.820 kg

◆ BESTSELLER



# 102 GROMMET KITS

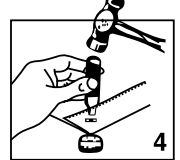
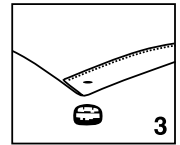
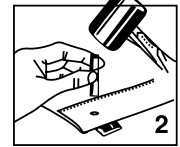
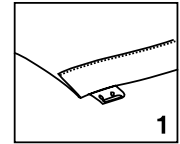
Grommets or eyelets as they are commonly called are used to repair canvas, tarpaulins, tents, awnings, sailcloth, lawn furniture, pool covers etc.

These are offered as a kit containing:

- Solid Brass Grommets
- Hole Punch
- Backer block
- Setting Tool
- Anvil

Grommets are made from solid brass making them rust resistant. Hole Punch and Setting Tool are precision machined from single bar of solid steel for additional durability.

Replacement Grommets also available



Cat.Nr.	Ordering Nr.	Size	Kit Constituents
<b>Grommet Kits</b>			
GRMT/1-4/ST	26600	1/4"(6mm)	Includes 24 brass grommets (eyelets), hole punch, backer block, setting tool and anvil
GRMT/3-8/ST	26601	3/8"(10mm)	Includes 12 brass grommets (eyelets), hole punch, backer block, setting tool and anvil
GRMT/1-2/ST	26602	1/2"(12mm)	1/2"(13mm) Includes 12 brass grommets (eyelets), hole punch, backer block, setting tool and anvil
<b>Replacement Grommets</b>			
GRM/B/1-4/ST24	26650	1/4"(6mm)	24 Replacement Grommets
GRM/B/3-8/ST12	26651	3/8"(10mm)	12 Replacement Grommets
GRM/B/1-2/ST12	26652	1/2"(12mm)	12 Replacement Grommets



Hole Punch >

< Setting Tool



GROMMET KIT



< Washer



< Grommet



< Anvil

< Backer Block

# RETRA DRIVE

THE RETRACTABLE CARTRIDGE SCREWDRIVER

NOW  
MAKE  
IT EASY  
TO FIND,  
STORE  
AND  
CHANGE  
BITS



- ▶ retractable BIT CARTRIDGE
- ▶ one 1/4" HEX DRIVER
- ▶ alloy steel shaft
- ▶ palm saver cap
- ▶ easy guide collar



# 103

## RETRA DRIVE

NEW!



- Retractable Bit Cartridge - Makes it easy to find, store and change Bits
- Specially designed Palm Saver Cap prevents blisters in the palm of your hand. Cap does not turn as you push on the cap and turn the handle.
- Easy Guide Collar provides greater control by maintaining full contact between the Bit and the Screw
- Specially Engineered ABS resin handle
- Industrial grade S2 modified steel bits with Rockwell Hardness 58 - 62

### 13 IN 1



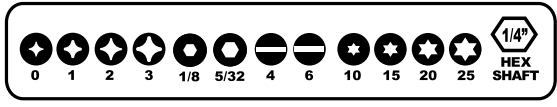
### 28-TOOTH SOLID CORE RATCHET

Features ZAD 8 Zinc Alloy SOLID-CORE Ratchet that delivers over 25 Nm of Torque Strength. Precision 28 Tooth Ratchet Design makes driving fasteners faster and easier



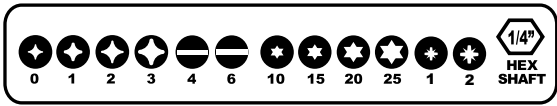
**US** RD/SD/6R 33711

RATCHETING



**EU** RD/SD/7R 33713

RATCHETING



specialty

113

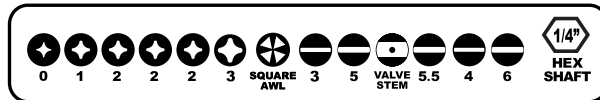
## 14 IN 1

### HVAC

14 bit tips featuring valve stem bit, Square Awl Reamer Bit and Double LOK Phillips #2 combo bit (which can be used in any 1/4" quick change chuck)



RD/HV/3  
33714



## 14 IN 1

### AUTOMOTIVE

Loaded with the most popular bits used in automotive work, including a 1/4" socket adaptor, this driver is a must for the professional mechanic or anyone who works on their car or truck.



RD/AU/5  
33716



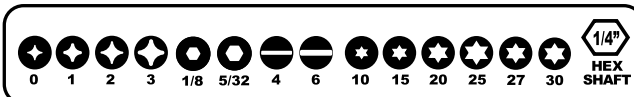
## 15 IN 1

### STANDARD

All purpose bit load driver loaded with 7 double end professional quality bits



US  
RD/SD/1  
33710



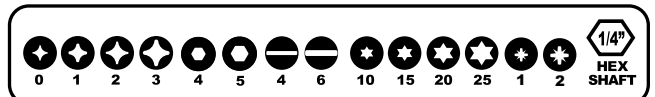
## 15 IN 1

### STANDARD

All purpose bit load driver loaded with 7 double end professional quality bits



EU  
RD/SD/2  
33712





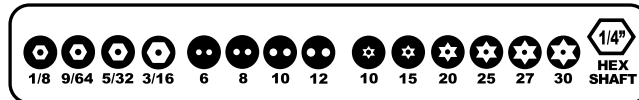
**15 IN 1**

**TAMPERPROOF**

Must for all commercial / industrial tradesmen i.e. electricians, locksmiths, telephone technicians, maintenance personnel, etc.



**RD/TP/4  
33715**



	13 IN 1		14 IN 1		15 IN 1		
	STANDARD US	STANDARD EU	HVAC	AUTOMOTIVE	STANDARD US	STANDARD EU	TAMPERPROOF
Cat. Nr.	RD/SD/6R	RD/SD/7R	RD/HV/3	RD/AU/5	RD/SD/1	RD/SD/2	RD/TP/4
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Phillips 0-3	Y	Y	Y		Y	Y	
Phillips 1-2	Y	Y	Y	Y	Y	Y	
Double Ended Phillips 2-2			Y				
Hex 1/8"-5/32"	Y				Y		
Hex 4-5						Y	
Pozi 1x 2		Y				Y	
Flat / Slotted 3-5			Y				
Flat / Slotted 4-6	Y	Y	Y		Y	Y	
Flat Slot 5.5 x valve Stem			Y	Y			
Torx 9-40				Y			
Torx 10-15	Y	Y		Y	Y	Y	
Torx 20-25	Y	Y		Y	Y	Y	
Torx 27-30				Y	Y		
Square Awl			Y				
1/4" Socket Adapter				Y			
Hex Pin 1/8"- 9/64							Y
Hex Pin 5/32" - 3/16"							Y
Spanner 6-8							Y
Spanner 10-12							Y
Torx Pin 10-15							Y
Torx Pin 20-25							Y
Torx Pin 27-30							Y

**ALL MODELS  
CAN BE  
CUSTOM BUILT  
WITH ANY  
COMBINATION  
OF BIT LOADS**



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Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Nov 2013, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

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30326	56	31824	106	32350	93	33100	25	35405	40	39011	64
30327	56	31825	106	32351	93	33101	25	35406	40	39012	64
30342	56	31850	106	32490	110	33102	25	35407	40	39014	63
30343	56	31851	106	32491	110	33103	25	35408	40	39020	65
30344	56	31852	106	32492	110	33104	25	35409	40	39100	68
30345	56	31853	106	32493	110	33105	25	35420	40	39101	68
30346	56	31854	106	32494	110	33106	25	35421	40	39102	68
30347	56	31855	106	32601	24	33107	25	35422	40	39103	68
30348	56	31856	106	32602	24	33108	25	35423	40	39110	69
30349	56	31857	106	32603	24	33150	107	35424	40	39111	69
30357	57	31858	106	32621	24	33151	107	35450	42	39112	69
30358	57	31859	106	32622	24	33152	107	35451	42	39113	69
30359	57	31860	106	32628	24	33153	107	35452	42	39114	69
30360	57	31861	106	32641	25	33154	107	35457	42	39115	69
30361	57	31862	106	32642	25	33169	107	35458	42	39120	69
30362	57	31863	106	32643	25	33170	107	35459	42	39121	68
30363	57	31864	106	32645	25	33171	107	35460	42	39130	67
30380	56	31865	106	32650	23	33172	107	35461	42	39131	67
31535	90	31866	106	32651	23	33173	107	35462	42	39132	67
31536	90	31867	106	32652	23	33175	107	35471	41	39133	67
31537	90	31868	106	32653	23	33176	107	35472	41	39134	67
31545	91	31869	106	32654	23	33177	107	35473	41	39135	67
31546	91	31870	106	32659	26	33710	114	35474	41	39151	68
31547	91	31871	106	32661	23	33711	113	35481	41	39160	68
31560	92	31872	106	32662	23	33712	114	35482	41	39161	68
31561	92	31873	106	32800	22	33713	113	35483	41	39162	68
31600	109	31874	106	32801	22	33714	114	35484	41	39163	68
31612	97	31875	106	32802	22	33715	115	35500	46	39164	68
31642	96	31900	105	32803	22	33716	114	35501	46	39165	68
31643	96	31901	105	32804	22	34500	34	35502	46	39180	66
31644	96	31902	105	32805	22	34501	34	35510	45	39181	66
31660	99	31903	105	32806	23	34502	34	35511	45	39182	66
31665	98	31904	105	32807	23	34510	35	35512	45	39183	66
31740	102	31905	105	32810	22	34511	35	35513	45	39184	66
31741	102	31906	105	32811	22	34512	35	35514	45	39190	66
31742	102	31907	105	32812	22	34513	35	35515	45	39400	77
31743	102	31908	105	32813	23	34514	35	35516	45	39700	59
31750	100	31909	105	32814	23	34515	35	35517	45	39701	59
31751	100	31930	105	32815	22	34516	35	35518	45	39702	59
31752	100	31931	105	32816	23	34517	35	35519	45	39703	59
31753	100	31932	105	32817	22	34518	35	35520	45	39704	59
31754	100	31933	105	32818	22	34519	35	35521	45	39705	59
31760	101	31934	105	32819	22	34520	35	35522	45	39706	59
31761	101	31935	105	32820	22	34521	35	35523	45	39707	59
31762	101	31940	105	32821	23	34522	35	35524	45	39730	60
31763	101	31941	105	32823	23	34530	37	35525	45	39790	60
31764	101	32000	104	32824	23	34531	37	35526	45	39791	60
31800	106	32001	104	32825	22	34540	37	35530	44		
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31808	106	32009	104	32833	23	34563	35	35801	47		