

GROZ

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GROZ

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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



Multi-station Cold Forging Shop with equipment from NEDSCHROEF, Belgium, for manufacture of high volume automotive parts, sockets etc.



Multi-Spindle Turning Machines - Davenport's for high volume production & concentricity



Design Center, with high end software & equipment to develop custom solutions

QUICK FACTS



YRS IN BUSINESS

45+



GLOBAL REACH

82 COUNTRIES



SELLING POINTS

750



SKU'S

12,000



EMPLOYEES

2,592



ENGINEERS

125



ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



SA 8000 : 2014



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.



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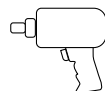
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LOOK OUT FOR
NEW!
THROUGHOUT
THE CATALOGUE

**Rubber
Mallets**



44

G-Bar



70

**San-Angelo
Bar**



72

**Post Hole
Digging Bar**



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160

**1/2"
Impact Wrench**



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**3/4"
Impact Wrench**



164

**1"
Impact Wrench**



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**Ratcheting
Pipe Cutter**



214

Tubing Cutter



215

01

STRIKING TOOLS



HAMMER MANUFACTURING UNIT

KAROLI, RAJASTHAN

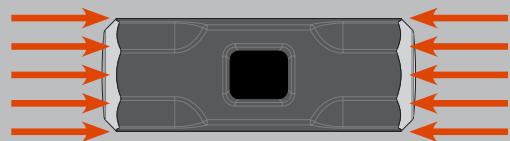


300,000 sq. ft.
manufacturing facility

In-house capabilities

- Tool & Die Making
- CNC Forging Hammer
- Modern Rotary Induction Hardening
- Automated Assembly
- Paint Shop
- Consistent supply of volumes - exceeding 1 million units/annum

HAMMER HEAD



32%
ENHANCED LIFE

Using specially formulated chrome steel, each hammer head is carefully forged to prevent crack formation over time. Special heat treatment and tempering process ensures uniform hardness on all faces including the edges prevents mushrooming and accidents due to chipping. The hammers are DESIGNED TO ENDURE HARD STRIKES!

INDESTRUCTIBLE HANDLE



STEEL LOCKING PLATE

locks head to the handle eliminating loosening or dislodging

VULCANIZED RUBBER HANDLE

Absorbs impact & vibration reducing user fatigue

75X
STRONGER

SPRING STEEL BARS
Resist overstrike

STEEL REINFORCED LANYARD HOLE

PATENT PENDING



A Club hammer is a small sledge hammer with relatively lighter weight and shorter handle

Handle

4 spring steel bars that run through the handle are locked with the hammer head using steel locking plate, ensuring that the head never gets dislodged

Ergonomic rubber grip handle absorbs vibration and reduces fatigue

Special bonding process ensures that the handle & head never get loose

Head

Available in 2 types

BS 876

For material, hardness & performance



SANS 387:2014



Heavy Duty

Soft Face

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
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WARNING*

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



Steel Locking Plate



4 Spring Steel Bars



Ergonomic Rubber Grip Handle

a. Heavy Duty 50-58 HRC Head*

Forged from special steel, the hammer head is induction case hardened 50-58 HRC. These hammers are especially useful in demolition work where the struck surface is softer than the hammer head

UTILITY

- Driving in stakes
- Metal-forming
- Setting bolts
- Minor demolition work

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
* CHID/2.5/12	34500	2.5	1.1	12	300	8
CHID/2.5/16	34505	2.5	1.1	16	400	8
* CHID/4/12	34501	4	1.8	12	300	8
CHID/4/16	34502	4	1.8	16	400	8

* Best Seller

b. Soft Face 30 HRC Head

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

UTILITY

- Metal forming
- Over ground mining
- Maintenance of cutting tools

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
CHID/SF/2.5/12	34550	2.5	1.1	12	300	8
CHID/SF/4/12	34551	4	1.8	12	300	8



02

Sledge Hammer Indestructible Handle

The 'BIG BOY' of hammers, Groz Sledge Hammers with patented Indestructible handle are designed to take a heavy beating

Handle

4 - 6 spring steel bars that run through the handle are locked with the hammer head using steel locking plates ensuring that the head never gets dislodged

Shorter handles 12" - 16" (300mm - 400mm) come with 4 spring steel bars. These hammers are useful in automotive applications

Longer handles come with 6 spring steel bars for added strength

Ergonomic rubber grip handle absorbs vibration and reduces fatigue

Special bonding process ensures that the handle & head never get loose

Head

Available in 2 types

- a. Heavy Duty 50-58 HRC Head*
- b. Soft Face 30 HRC Head

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
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a. Heavy Duty 50-58 HRC Head*

Forged from special steel, the hammer head is induction case hardened 50-58 HRC. These hammers are especially useful in demolition work where the struck surface is softer than the hammer head

UTILITY

- Driving in stakes
- Heavy demolition work
- Construction: fracturing stone & concrete
- Driving fence posts
- Police, fire & rescue
- Rebar work
- Railroads
- Bending & shaping metal

BS 876

For material, hardness & performance

SANS 387:2014



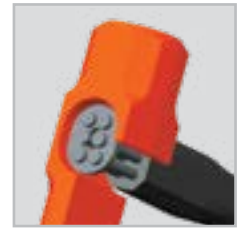
WARNING*

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

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
SHID/6/16	34521	6	2.7	16	400	4
SHID/6/24	34510	6	2.7	24	600	4
SHID/6/30	34511	6	2.7	30	750	4
◆ SHID/6/36	34525	6	2.7	36	900	4
SHID/8/12	34522	8	3.6	12	300	4
SHID/8/16	34523	8	3.6	16	400	4
★ SHID/8/24	34512	8	3.6	24	600	4
★ SHID/8/30	34513	8	3.6	30	750	4
SHID/8/36	34517	8	3.6	36	900	4
SHID/10/30	34514	10	4.5	30	750	4
SHID/10/36	34518	10	4.5	36	900	4
SHID/12/30	34515	12	5.5	30	750	4
SHID/12/36	34519	12	5.5	36	900	4
★ SHID/14/30	34516	14	6.3	30	750	4
SHID/14/36	34520	14	6.3	36	900	4
SHID/20/36	34524	20	9	36	900	2

★ Best Seller ◆ New



Steel Locking Plate



Spring Steel Bars



Ergonomic Rubber Grip Handle

b. Soft Face 30 HRC Head

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

UTILITY

- Agriculture
- Automotive
- Overground mining
- Railroad
- Maintenance of cutting tools

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
SHID/SF/6/30	34560	6	2.7	30	750	4
SHID/SF/8/30	34561	8	3.6	30	750	4
SHID/SF/10/30	34562	10	4.5	30	750	4
SHID/SF/12/30	34563	12	5.5	30	750	4
SHID/SF/14/36	34565	14	6.3	36	900	4



Sledge Hammers with an indestructible handle are designed for heavy demolition jobs

Handle

6 spring steel bars that run through the handle 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

Head

Forged steel head is induction case hardened 50-58 HRC

Special bonding process ensures that the handle and head never get loose

UTILITY

- Demolition
- Driving stakes & rebar
- Fracturing stone & concrete
- Driving fence posts
- Rail road
- Bending & shaping metal



SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
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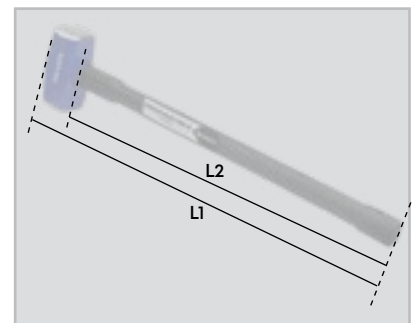
Steel Locking Plate



6 Spring Steel Bars



Ergonomic Rubber Grip Handle



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		HANDLE LENGTH				BOX QTY.
				L1		L2		
		(GMS)	(KG)	(INCH)	(MM)	(INCH)	(MM)	
SHID/DIN/3K/24	34720	3000	3	24	600	22	550	4
SHID/DIN/5K/30	34721	5000	5	30	750	28	700	4

WARNING

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

04

Copper Head Sledge Hammers Indestructible Handle

CHID-CU

SHID-CU

Copper head hammers
The ultimate safety tool are popular in
mining and automotive applications

Handle

4-6 spring steel bars that run through the
handle are locked with the hammer head
using steel locking plates ensuring that
the head never gets dislodged

Shorter handles 12" - 16" (300mm - 400mm)
come with 4 spring steel bars

Longer handles come with 6 spring steel
bars for added strength

Ergonomic rubber grip handle absorbs
shock & vibration reducing fatigue

Head

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

Special bonding process ensures that the
handle and head never get loose

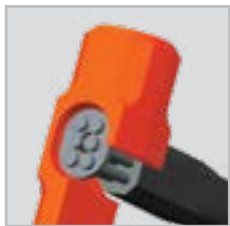


Spark -proof



UTILITY

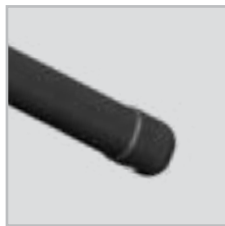
- Metal forming
- Mining
- Underground mining
- Oil rigs
- Gas industry



Steel Locking Plate



4 - 6 Spring Steel Bars



Ergonomic Rubber Grip
Handle

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
CHID/2.5/12/CU	34602	2.5	1.1	12	300	8
*CHID/4/12/CU	34600	4	1.8	12	300	8
CHID/4/16/CU	34604	4	1.8	16	400	8
◆SHID/6/30/CU	34616	6	2.7	30	750	4
*SHID/8/24/CU	34610	8	3.6	24	600	4
*SHID/14/30/CU	34611	14	6.3	30	750	4

* Best Seller

◆ New



05

Brass Head Sledge Hammers Indestructible Handle

SHID-BR

Brass head hammers are useful in combustible environments

Handle

4-6 spring steel bars that run through the handle are locked with the hammer head using steel locking plates ensuring that the head never get dislodged

Shorter handles 12" - 16" (300mm - 400mm) come with 4 spring steel bars

Longer handles come with 6 spring steel bars for added strength

Ergonomic rubber grip handle absorbs shocks & vibration hence reducing fatigue

Head

Drop forged brass head is spark resistant. It absorbs impact & reduces damage on the surface being hit.

These can be used safely in combustible environments

UTILITY

- Oil Rigs
- Gas Industry
- Automotive applications where the struck surface is soft

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
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Mar
Resistant
Head

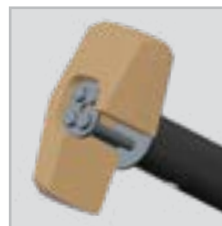


ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
* SHID/2.5/12/BR	34700	2.5	1.1	12	300	8
* SHID/4/12/BR	34702	4	1.8	12	300	8
SHID/4/16/BR	34703	4	1.8	16	400	8
◆ SHID/6/16/BR	34707	6	2.7	16	400	4
◆ SHID/6/30/BR	62263	6	2.7	30	750	4
◆ SHID/8/16/BR	34705	8	3.6	16	400	4
◆ SHID/8/30/BR	34706	8	3.6	30	750	4

* Best Seller

◆ New



Steel Locking Plate



4-6 Spring Steel Bars



Ergonomic Rubber Grip Handle



Machinist Hammers are metal working hammers

Handle

2 spring steel bars that run through the handle 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

Head

Forged steel head is induction case hardened 50– 58 HRC.

Head features an octagonal face with bevelled edge & a 45° angular cross pein

Special bonding process ensures that the handle and head never get loose

UTILITY

- Riveting
- Forging
- Shaping & flattening of metal
- Embossing
- Removal of dents
- Jewellery application



SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
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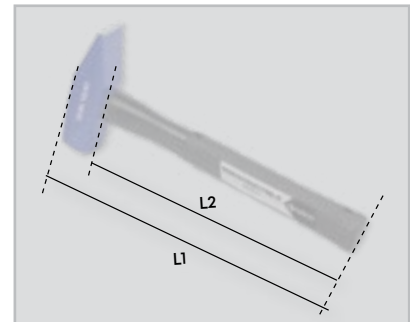
Steel Locking Plate



2 Spring Steel Bars



Ergonomic Rubber Grip Handle



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		HANDLE LENGTH				BOX QTY.
				L1		L2		
		(GMS)	(KG)	(INCH)	(MM)	(INCH)	(MM)	
MHID/DIN/300G/13	34710	300	0.3	13	330	12	300	8
MHID/DIN/500G/13	34711	500	0.5	13	330	12	300	8
MHID/DIN/800G/14	34712	800	0.8	14	350	12-19/32	320	8
MHID/DIN/1000G/14	34713	1000	1	14	350	12-19/32	320	8

WARNING

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

A MUST HAVE TOOL for metal workers, The Ball Pein Hammer features a rounded end for pounding metals and a bevel on the other for regular hammering applications

Handle

2 spring steel bars that run through the handle 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 the handle and head never get loose

UTILITY

- Bending & shaping metal
- Driving punches & chisels
- Concrete & stone work
- Hand forging
- Setting rivets
- Peen riveted & welded material
- Texturing face of metal

Head

Available in 2 types

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
---------------------------	---------------	---------------

WARNING

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

BS 876
For material, hardness & performance



Heavy Duty

Soft Face



2 Spring Steel Bars

a. Heavy Duty 50-58 HRC Head*

Forged from special steel, the hammer head is induction case hardened 50-58 HRC. These hammers are especially useful in applications where the struck surface is softer than the hammer head

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
BPID/16/14	34538	450	16	14	350	8
BPID/20/14	34539	565	20	14	350	8
* BPID/24/14	34540	680	24	14	350	8
* BPID/32/14	34541	900	32	14	350	8
BPID/48/14	34542	1360	48	14	350	8

◆ New * Best Seller

b. 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

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
◆ BPID/SF/24/14	34552	680	24	14	350	8
◆ BPID/SF/32/14	34571	900	32	14	350	8

◆ New

Handle

4 spring steel 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

Head

Hammer head is forged from special steel & is induction case hardened to 50-58 HRC for extended life

Special bonding process ensures that the handle and head never get loose

UTILITY

- Heavy Forging
- Bending & Shaping Metal
- Spreading Metal
- Driving Punches & Chisels
- Driving Masonry Drills
- Concrete & Stone Work
- Starting Panel Pins & Tacks

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
---------------------------	---------------	---------------



4 Spring Steel Bars



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
CPID/2/16	34530	2.5	1.15	16	400	8
* CPID/3/16	34531	3.5	1.60	16	400	8

* Best Seller

WARNING

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

09

Claw Hammer Indestructible Handle

CLID

Also known as a Nailing Hammer these are used in woodworking, prying & finishing jobs

Handle

2 spring steel 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

Head

Hammer Head is forged from special steel & induction case hardened 50-58 HRC for extended life

Special bonding process ensures that the handle and head never get loose. Well shaped, curved claw is tapered for maximum grip & higher leverage when gripping a nail

UTILITY

- Pulling Out Nails
- Lifting Floorboards
- Carpentry Work

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
---------------------------	---------------	---------------

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Steel Locking Plate



2 Spring Steel Bars



Ergonomic Rubber Grip Handle

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
CLID/16/13	34535	450	16	13	330	12

WARNING

Do not strike objects harder than 46 HRC. Striking items of a greater hardness is liable to cause fracture or chipping. Do not use a claw hammer for striking cold chisels or for pulling out masonry nails

A unique tire & wheel service hammer used for separating tires from wheel rims

Often the tire bead gets frozen/ stuck to the rim due to corrosion/ rust and must be broken free manually, Tire bead hammer is ideal for use in such applications

Used like a chisel it leverages mechanical advantage to drive the bead away from the rim

Handle

Spring steel bars are locked with the hammer head using steel locking plates ensuring that the head never gets dislodged

Ergonomic rubber grip handle absorbs vibrations & reduces fatigue

Special bonding process ensures that the handle and head never get loose



Steel Locking Plate



Spring Steel Bars



Ergonomic Rubber Grip Handle

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
TBID/5/20	34750	5	2.2	20	500	4
TBID/10/32	34751	10	4.5	32	800	4

Head



Bead breaking Wedge

Convex shape wedge penetrates the tire bead effectively. Groove on the convex shape creates easy passage for the tire lube into the bead



Top hook

Used as a wheel tipper to break the bead on the other side of the wheel



Sledge edge

Has a hook to drag the tire into position



Our best selling hammers now available in an easy to store & carry - blow mould case.

Choice of kits, ideal for automotive, construction & everyday maintenance jobs

Indestructible Handle hammers feature

- a. Spring Steel Bars**
that run through the hammer handle & eliminate handle breaking due to an over-strike
- b. Steel Locking Plate**
Locks hammer head to the handle eliminating loosening or dislodging
- c. Non-slip Vulcanized Rubber handle**
Absorbs impact & vibration reducing user fatigue



KIT CONSTITUENTS

TYPE	KIT/HMID/3S/ST		KIT/HMID/3/ST		KIT/HMID/3C/ST	
	HAMMER HEAD	HANDLE LENGTH	HAMMER HEAD	HANDLE LENGTH	HAMMER HEAD	HANDLE LENGTH
Club / Sledge Hammer Steel Head	2-1/2 lb (1.1 kg)	12" (300 mm)	4 lb (1.8 kg)	12" (300 mm)	4 lb (1.8 kg)	16" (400 mm)
Ball Pein Hammer	24 oz. (0.684 kg)	14" (350 mm)	32 oz. (0.912 kg)	14" (350 mm)	32 oz. (0.912 kg)	14" (350 mm)
Cross Pein Hammer	2-1/2 lb. (1.1 kg)	16" (400 mm)	2-1/2 lb. (1.1 kg)	16" (400 mm)	-	-
Sledge Hammer Copper Head	-	-	-	-	4 lb (1.8 kg)	12" (300 mm)

SPECIFICATIONS

WORKING TEMPERATURE RANGE	-10°C TO 50°C	14°F TO 122°F
---------------------------	---------------	---------------

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
KIT/HMID/3S/ST	34575	3
KIT/HMID/3/ST	34576	3
KIT/HMID/3C/ST	34577	3

FIBREGLASS HANDLE

25%
WIDER NECK

Overstroke
protection

**EXCELLENT
STRENGTH &
DURABILITY**

Built, tested &
approved to
GROZ superior
quality &
specifications

FIBREGLASS HANDLE

Double injection
moulded
handle for
increased
strength, durability
& overstrike
protection

Well
balanced
hammer
head to
handle ratio
optimised
for balanced
blow each
time



Sledge Hammers are designed for heavy demolition and hammering applications

Head

Forged from fine-grained special steel the heads are induction hardened 50-58 HRC for increased durability

Handle

Lightweight yet durable dual injection moulded fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not loosen even with rough use

Available in two types

- a. Short Handle – 16" (400mm)**
- b. Long Handle – 36" (900mm)**

UTILITY

- Driving in stakes
- Metal forming
- Setting bolts
- Demolition jobs

NEW!

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ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
SHORT HANDLE						
SHFG/2.5/16	36460	2.5	1.1	16	400	8
SHFG/4/16	36461	4	1.8	16	400	8
LONG HANDLE						
SHFG/6/36	36470	6	2.7	36	900	4
SHFG/8/36	36471	8	3.6	36	900	4
SHFG/10/36	36472	10	4.5	36	900	4
SHFG/12/36	36473	12	5.5	36	900	2
SHFG/14/36	36474	14	6.3	36	900	2
SHFG/16/36	36475	16	7.3	36	900	2

WARNING

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

NEW!

Sledge Hammers with a heavy steel head and a solid handle are designed for heavy demolition and hammering applications

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UTILITY

- Demolition
- Driving stakes & rebar
- Fracturing stone & concrete
- Driving fence posts
- Rail road & Bending and shaping metal



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
SHFG/DIN/1K/11	36530	1000	1	11	280	12
SHFG/DIN/1.25K/11	36531	1250	1.25	11	280	12
SHFG/DIN/1.5K/11	36532	1500	1.5	11	280	12
SHFG/DIN/2K/12	36533	2000	2	12	300	12
SHFG/DIN/3K/36	36534	3000	3	36	900	4
SHFG/DIN/4K/36	36535	4000	4	36	900	4
SHFG/DIN/5K/36	36536	5000	5	36	900	4
SHFG/DIN/6K/36	36537	6000	6	36	900	4
SHFG/DIN/8K/36	36538	8000	8	36	900	4

WARNING

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NEW!

Head

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Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

- Light demolition work
- Cutting stone & concrete
- Masonry



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
STFG/DIN/3K/24	36550	3000	3	24	600	4
STFG/DIN/4K/28	36551	4000	4	28	700	4
STFG/DIN/5K/32	36552	5000	5	32	800	4
STFG/DIN/6K/32	36553	6000	6	32	800	4
STFG/DIN/8K/36	36554	8000	8	36	900	4

WARNING

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

NEW!

Machinist Hammer is a metalworking hammer with a square beveled face on one end and an angular cross pein on the other

Head

Forged from fine-grained special steel the heads are induction hardened 50-58 HRC for increased durability

Handle

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TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use



UTILITY

- Riveting
- Shaping & flattening of metal
- Removal of dents
- Forging
- Embossing
- Jewellery application



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
MHFG/100G/11	36510	100	0.1	11	280	12
MHFG/200G/11	36511	200	0.2	11	280	12
MHFG/300G/12	36512	300	0.3	12	300	12
MHFG/400G/12	36513	400	0.4	12	300	12
MHFG/500G/13	36514	500	0.5	13	330	12
MHFG/600G/13	36515	600	0.6	13	330	12
MHFG/800G/14	36516	800	0.8	14	350	12
MHFG/1000G/14	36517	1000	1	14	350	8
MHFG/1500G/16	36518	1500	1.5	16	400	8
MHFG/2000G/16	36519	2000	2	16	400	8

WARNING

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

A MUST HAVE TOOL for metal workers, The ball pein hammer features a rounded end for pounding metals and a bevel on the other for regular hammering applications

Head

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Handle

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Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

- Bending & shaping metal
- Driving punches & chisel
- Concrete & stone work
- Hand forging
- Setting rivets
- Peen riveted & welded material
- Texturing face of metal

NEW!

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ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
BPFG/8/12	36490	226	8	12	300	10
BPFG/12/13	36491	340	12	13	330	10
BPFG/16/13	36492	450	16	13	330	10
BPFG/24/14	36493	680	24	14	350	10
BPFG/32/14	36494	900	32	14	350	10
BPFG/48/16	36495	1360	48	16	400	10
SETS						
BPFG/ST/5	36497	5 pc set Includes sizes - 8, 12, 16, 24, 32 oz.				2
BPFG/ST/3	36496	3 pc set Includes sizes - 24, 32, 48oz.				2

WARNING

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

Popularly called Stone Cutter's Hammers, these are ideal for day to day demands of construction professionals

Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Lightweight yet durable dual injection moulded fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

- Striking cold chisels, concrete chisels & brick bolsters
- Drive in stakes
- Rebar into the ground
- Break through concrete floors

NEW!



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ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(GMS)	(INCH)	(MM)	
DHFG/2/11	36560	2	900	11	280	8
DHFG/3/11	36561	3	1300	11	280	8

WARNING

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



Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Lightweight yet durable dual injection moulded fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

- Tile & Drywall Demolition
- Setting brick & tile

NEW!

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ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
EHFG/2.5/14	36564	2.5	1.14	14	350	8
EHFG/4/14	36565	4	1.8	14	350	8

WARNING

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

Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Lightweight yet durable dual injection moulded fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

Used for light metalworking & shaping jobs by -

- Metalworkers
- Welders
- Contractors
- Tradesmen
- Serious DIY'ers

NEW!

ASME

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For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
BHFG/2.5/14	36562	2.5	1.14	14	350	8
BHFG/4/14	36563	4	1.8	14	350	8

WARNING

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Also known as a Nailing Hammer these are used in woodworking, prying & finishing jobs

Head

Hammer Head is forged from special steel & induction case hardened 50-58 HRC for extended life

Special bonding process ensures that the handle and head never get loose. Well shaped, curved claw is tapered for maximum grip & higher leverage when gripping a nail

Handle

Lightweight yet durable dual injection moulded fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

TPR grip on handle absorbs shock and vibration and provides a non-slip grip

Handles securely attached to the hammer head using a tough epoxy adhesive ensuring that the head does not fly away even with rough use

UTILITY

- Pulling Out Nails
- Lifting Floorboards
- Carpentry Work

NEW!

BS 876
For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
CLFG/16/13	36450	450	16	13	330	12

WARNING

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Head

Forged from fine grained steel, the heads are induction hardened 50-55 HRC

Superior blade grinding technique provides a sharper edge for better contact and cleaner cuts

Painted heads with polished cutting edge that stays sharp longer than traditional axes

Handle

Durable fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

Handles securely attached to the head using a tough epoxy adhesive

Lanyard Hole at the end of handle for easy storage

UTILITY

Designed to cut its way across wood fibers. Used for:

- Chopping wood
- knocking out chips

NEW!

ASME

B107.400- 2018



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
AXE/FG/1.25/14	36700	1.25	0.5	14	350	8
AXE/FG/4/36	36701	4	1.8	36	900	4



Head

Forged from fine grained steel, the heads are induction hardened 50-55 HRC

Special head design: a splitting face on one end for splitting big logs of wood and a driving face on the other end for driving wedge and stakes

Handle

Durable fibreglass handle for controlled and balanced swing

Designed with a 25% wider neck, handles are covered with a polypropylene jacket for protection against overstrikes

Handles securely attached to the head using a tough epoxy adhesive

Lanyard Hole at the end of handle for easy storage

UTILITY

- Designed to split a piece of wood in two parts by forcing the wood fibers apart parallel to the grain
- Kindling of wood

NEW!

**ASME
B107.400- 2018**



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
MAUL/FG/4.5/36	36710	4.5	2	36	900	4
MAUL/FG/6/36	36711	6	2.7	36	900	2
MAUL/FG/8/36	36712	8	3.6	36	900	2

HICKORY WOOD HANDLE

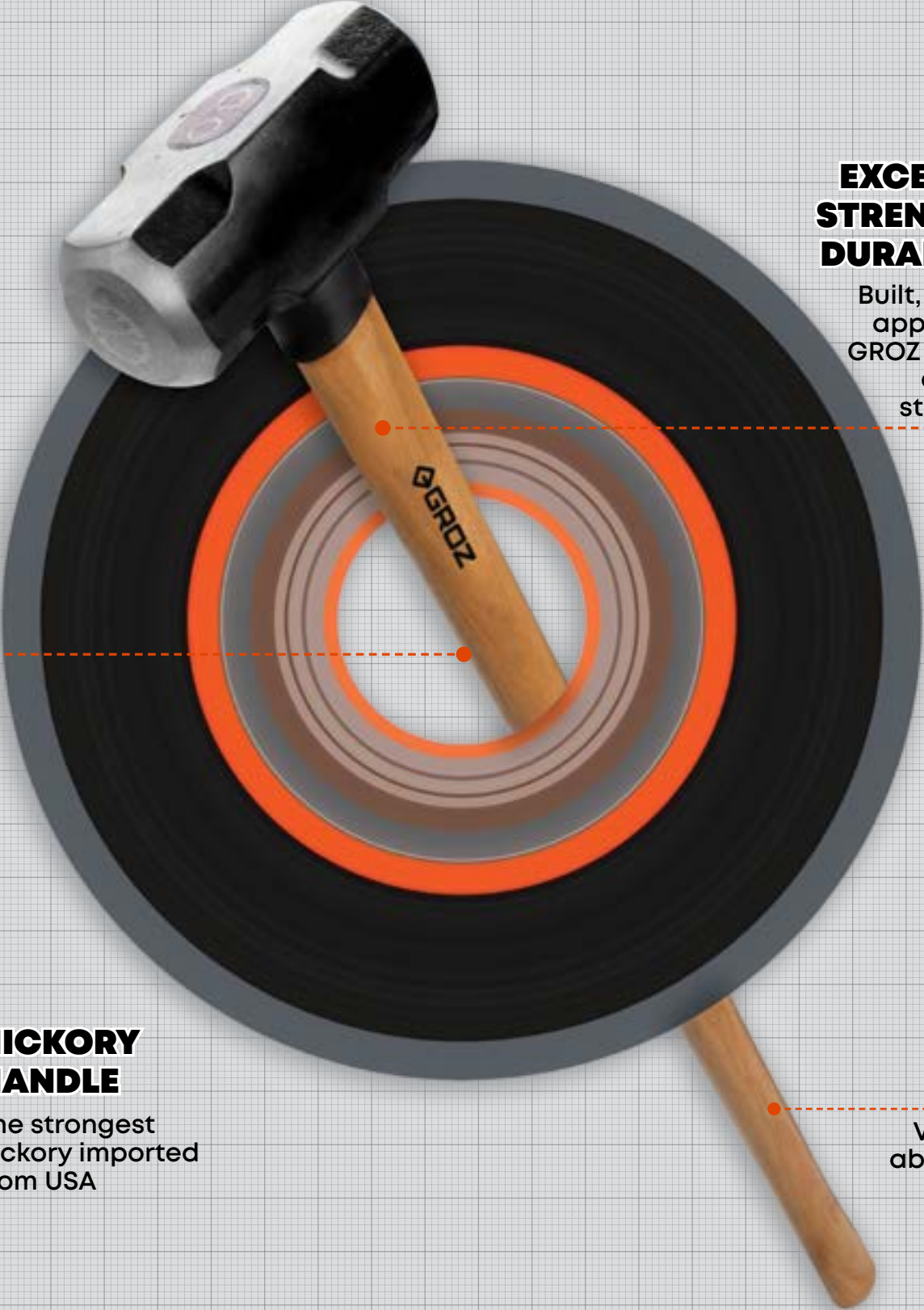
EXCELLENT STRENGTH & DURABILITY

Built, tested & approved to GROZ superior quality & standards

HICKORY HANDLE

The strongest hickory imported from USA

Vibration absorption



Sledge Hammers with a heavy steel head and a solid handle are designed for heavy demolition and hammering applications

Head

Forged from fine-grained special steel the heads are induction hardened 50-58 HRC for increased durability in heavy duty applications

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength. These provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

UTILITY

- Driving in stakes
- Rebar
- Fracturing stone and concrete
- Driving Fence posts
- Rail road
- Metal forming
- Setting bolts
- Demolition jobs

NEW!

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ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
SHORT HANDLE						
SHHW/2.5/16	36600	2.5	1.1	16	400	8
SHHW/4/16	36601	4	1.8	16	400	8
LONG HANDLE						
SHHW/6/30	36610	6	2.7	30	750	4
SHHW/6/36	36611	6	2.7	36	900	4
SHHW/8/30	36612	8	3.6	30	750	4
SHHW/8/36	36613	8	3.6	36	900	4
SHHW/10/36	36614	10	4.5	36	900	4
SHHW/12/36	36615	12	5.5	36	900	2
SHHW/14/36	36616	14	6.3	36	900	2
SHHW/16/36	36617	16	7.3	36	900	2

WARNING

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UTILITY

- Driving in stakes
- Rebar
- Fracturing stone and concrete
- Driving Fence posts
- Rail road
- Metal forming
- Setting bolts
- Demolition jobs

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
SHHW/DIN/1K/11	36670	1000	1	11	280	12
SHHW/DIN/1.25K/11	36671	1250	1.25	11	280	12
SHHW/DIN/1.5K/11	36672	1500	1.5	11	280	12
SHHW/DIN/2K/12	36673	2000	2	12	300	12
SHHW/DIN/3K/24	36674	3000	3	24	600	8
SHHW/DIN/4K/28	36675	4000	4	28	700	8
SHHW/DIN/5K/32	36676	5000	5	32	800	4
SHHW/DIN/6K/32	36677	6000	6	32	800	4
SHHW/DIN/8K/32	36678	8000	8	32	800	4
SHHW/DIN/8K/36	36679	8000	8	36	900	4



WARNING

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NEW!

Head

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Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive



UTILITY

- Light demolition work
- Cutting stone and concrete
- Masonry



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
STHW/3K/24	36690	3000	3	24	600	4
STHW/4K/28	36691	4000	4	28	700	4
STHW/5K/32	36692	5000	5	32	800	4
STHW/6K/32	36693	6000	6	32	800	4
STHW/8K/36	36694	8000	8	36	900	4

WARNING

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

NEW!

Machinist Hammer is a type of peening hammer used in metalworking. These hammers feature a bevelled face and angular cross pein

Head

Forged from fine-grained special steel the heads are induction hardened 50-58 HRC for increased durability in heavy duty applications

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strengt. These provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive



UTILITY

- Riveting
- Shaping & flattening of metal
- Removal of dents
- Forging
- Embossing & Jewellery application



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(KG)	(INCH)	(MM)	
MHHW/100G/11	36650	100	0.1	11	280	12
MHHW/200G/11	36651	200	0.2	11	280	12
MHHW/300G/12	36652	300	0.3	12	300	12
MHHW/400G/12	36653	400	0.4	12	300	12
MHHW/500G/13	36654	500	0.5	13	330	12
MHHW/600G/13	36655	600	0.6	13	330	12
MHHW/800G/14	36656	800	0.8	14	350	12
MHHW/1000G/14	36657	1000	1	14	350	8
MHHW/1500G/16	36658	1500	1.5	16	400	8
MHHW/2000G/16	36659	2000	2	16	400	8

WARNING

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A MUST HAVE TOOL for metal workers, The ball pein hammer features a rounded end for pounding metals and a bevel on the other for regular hammering applications

Head

Forged from fine-grained special steel the heads are induction hardened 50-58 HRC for increased durability in heavy duty applications

Handle

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Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

UTILITY

- Bending & shaping metal
- Driving punches & chisels
- Concrete & stone work
- Hand forging
- Setting rivets
- Peen riveted & welded material
- Texturing face of metal

NEW!

BS 876
For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(GMS)	(OZ)	(INCH)	(MM)	
BPHW/8/12	36630	226	8	12	300	10
BPHW/12/13	36631	340	12	13	330	10
BPHW/16/13	36632	450	16	13	330	10
BPHW/24/14	36633	680	24	14	350	10
BPHW/32/14	36634	900	32	14	350	10
BPHW/48/16	36635	1360	48	16	400	10

WARNING

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

For day-to-day demands of professional contractors

Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength. These provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

UTILITY

- Striking cold chisels, concrete chisels & brick bolsters
- Drive in stakes
- Rebar into the ground
- Break through concrete floors

NEW!

ASME

B107.400- 2018

BS 876

For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(GMS)	(INCH)	(MM)	
DHHW/2/11	36720	2	900	11	280	8
DHHW/3/11	36721	3	1300	11	280	8

WARNING

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



Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength, these provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

UTILITY

- Tile & Drywall Demolition
- Setting brick & tile

NEW!

ASME
B107.400- 2018

BS 876
For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
EHHW/2.5/14	36724	2.5	1.14	14	350	8
EHHW/4/14	36725	4	1.8	14	350	8

WARNING

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

Head

Fully forged head is induction hardened 50-58 HRC and tempered for maximum strength and durability

Duly machined and polished faces are beveled to prevent chipping

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength, these provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

UTILITY

Used for light metalworking & shaping jobs by -

- Metalworkers
- Welders
- Contractors
- Tradesmen
- Serious DIY'ers

NEW!

ASME

B107.400- 2018

BS 876

For material, hardness & performance



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
BHHW/2.5/14	36722	2.5	1.14	14	350	8
BHHW/4/14	36723	4	1.8	14	350	8

WARNING

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

Head

Forged from fine grained steel, the heads are induction hardened 50-55 HRC

Superior blade grinding technique provides a sharper edge for better contact and cleaner cuts

Painted heads with polished cutting edge that stays sharp longer than traditional axes

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength, these provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive

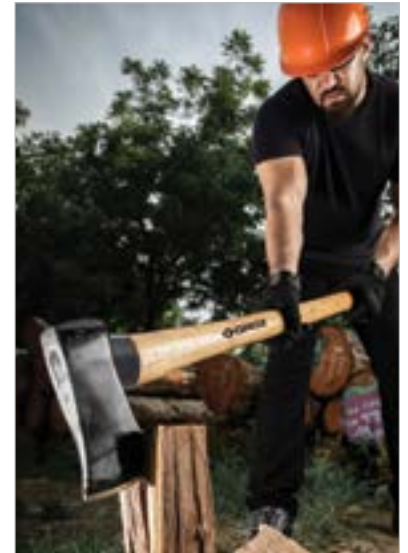
UTILITY

Designed to cut its way across wood fibers. Used for:

- Chopping wood
- knocking out chipss

NEW!

ASME
B107.400- 2018



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
AXE/HW/1.25/14	36570	1.25	0.5	14	350	8
AXE/HW/4/36	36571	4	1.8	36	900	4

Head

Forged from fine grained steel, the heads are induction hardened 50-55 HRC

NEW!



B107.400- 2018

Special head design: a splitting face on one end for splitting big logs of wood and a driving face on the other end for driving wedge and stakes

Handle

Made from genuine hickory wood for high energy transfer, less vibration and excellent strength, these provide controlled and balanced swing with reduced user fatigue

Reinforcing collar around handle at base of head protects against overstrike damage

Handles have a smooth lacquered finish

Handles securely attached to the hammer head using metal wedges and a strong adhesive



UTILITY

- Designed to split a piece of wood in two parts by forcing the wood fibers apart parallel to the grain
- Kindling of wood



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WEIGHT		OVERALL LENGTH		BOX QTY.
		(LBS)	(KG)	(INCH)	(MM)	
MAUL/HW/4.5/36	36580	4.5	2	36	900	4
MAUL/HW/6/36	36581	6	2.7	36	900	2
MAUL/HW/8/36	36582	8	3.6	36	900	2



NEW!

Used for hitting softer materials preventing damage or marring of the underlying material

Single piece rubber head with two broad striking faces that helps distribute force across a broader area

Solid rubber head delivers a gentle but firm blow with minimal rebound. Heads accurately cured for high durability eliminating the possibility of cracks and breakage under pressure

Extensively used as a general purpose soft striking tool in automotive, industrial, brewery, DIY, carpentry, garden landscaping or worksite applications

Available with a choice of

- a. Black Head**
Ideal for use in damp conditions or outdoors
- b. White Head**
Will not discolour or leave marks on the work surface

Both heads are available with different handle types

- a. 14" Fibreglass Handle**
Double injected fibreglass handle with a polyjacket that protects the core and absorbs the impact of any missed strikes. Integrated TPR Grip for ultimate comfort
- b. 14" Hickory Wood Handle**
100% Genuine high density hickory wood handle is lightweight and contoured for comfortable grip
- c. 14" Hard Wood Handle**
Solid, damage-free striking, well-balanced hard wood



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD SIZE		HEAD COLOUR	BOX QTY.
		(OZ)	(GMS)		
FIBREGLASS HANDLE					
MLTR/16B/FG	34960	16	453	Black	12
MLTR/16W/FG	34961	16	453	White	12
MLTR/20B/FG	34962	20	567	Black	12
MLTR/20W/FG	34963	20	567	White	12
HICKORY WOOD HANDLE					
MLTR/16B/HW	34850	16	453	Black	12
MLTR/16W/HW	34851	16	453	White	12
MLTR/20B/HW	34852	20	567	Black	12
MLTR/20W/HW	34853	20	567	White	12
HARD WOOD HANDLE					
MLTR/16B/BW	34854	16	453	Black	12
MLTR/16W/BW	34855	16	453	White	12
MLTR/20B/BW	34856	20	567	Black	12
MLTR/20W/BW	34857	20	567	White	12



Automotive (Denting, fitting parts)



Construction



Metal Working

Carpentry

Multi-purpose striking tool useful for striking surfaces that could get damaged by steel hammers

Chrome plated head with 2 screw-in replaceable heads. Tubular steel handle shifts the weight balance towards the head for extra power in each blow

Available with a choice of heads:

a. Plastic Head

To lightly strike material without damaging or marring the surface. Used for piston cylinder assembly in engines, jewellery making etc.

b. Rubber Head

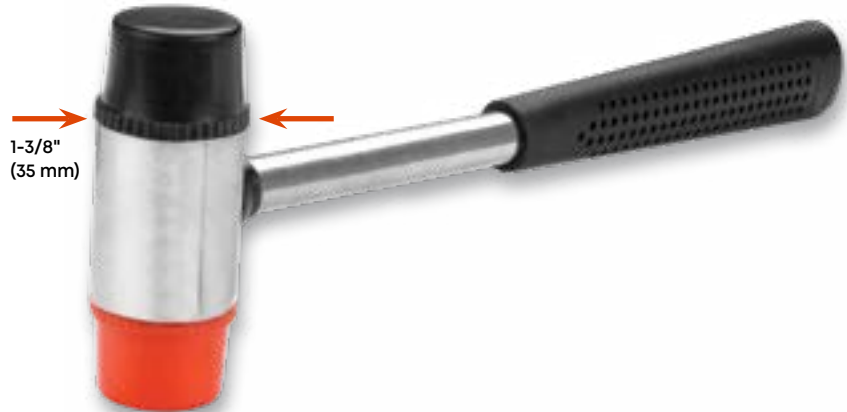
To deliver cushioned strike. Used in sheet metal & aluminium fabrication jobs, installation of wheel hub caps in automotive assembly & maintenance

c. Brass Head

Used in denting & painting shops, fitting jobs without causing any damage to the work surface

d. Copper Head

Provides a firm positive blow without any risk of marring the surface of highly finished expensive components



APPLICATION

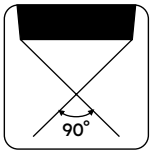
- Light Engineering Jobs
- Injection Moulding
- Denting & Painting
- Assembly & Fitting in automotive workshops
- Jewellery Making



ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
HMR/SF/25	32530	Mallet with Plastic & Rubber Head	8
KIT/HMR/SF/4ST	34575	Mallet with Plastic & Rubber Head Fitted, Copper & Brass as Spares	8
SPARE HEADS			
HD/PR/HMR/25	32535	Red Plastic Head	10
HD/PB/HMR/25	32536	Black Rubber Head	10
HD/BR/HMR/25	32537	Brass Head	10
HD/CU/HMR/25	32538	Copper Head	10





Single piece carbon steel construction with hexagonal shank

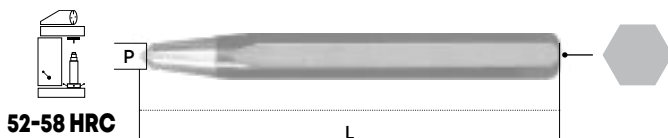
Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

Working tip centred and ground to the correct angle (90° included angle) for increased efficiency in marking

Working end accurately ground with the punch body in premium powder coated finish

Striking end is chamfered to prevent breakage

Ideal for clearly marking metal in work layout & making indentations in a work piece before drilling to ensure correct location of drill points



ORDERING INFORMATION

CAT NR.	ORD NR.	POINT SIZE (P)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
CP/HD/5-64	25200	5/64	2	1/4	6	3-1/2	90	400
CP/HD/1-8	25201	1/8	3	5/16	8	4-1/4	108	300
* CP/HD/5-32	25202	5/32	4	3/8	10	5	125	300
CP/HD/5-32/SPL	25206	5/32	4	5/16	8	5-1/2	138	300
* CP/HD/1-4	25203	1/4	6	1/2	12	6	150	150
CP/HD/1-4/SPL	25207	1/4	6	3/8	10	6	150	150
CP/HD/3-8	25204	3/8	10	5/8	16	6-1/4	160	150
CP/HD/5/ST	25205	A set of 5 Centre Punches packed in a vinyl pouch						40
		5/64" (2mm)	1/8" (3mm)	5/32" (4mm)	1/4" (6mm)	3/8" (10mm)		

* Best Seller



CP/HD/5/ST

Single piece carbon steel construction with round shank and round striking head

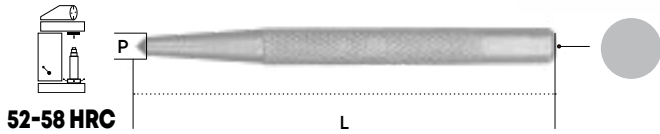
Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

Clean and well cut knurling for non-slip and positive finger grip

Working tip centred and ground to the correct angle (90° included angle) for increased efficiency in marking

Rust inhibiting black oxide finish

Ideal for clearly marking metal in work layout & making indentations in a work piece before drilling to ensure correct location of drill points



ORDERING INFORMATION

CAT NR.	ORD NR.	POINT SIZE		BODY DIAMETER		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
CP/1-16	25100	1/16	1.5	1/4	6	3	75	400
* CP/5-64	25101	5/64	2	5/16	8	4	100	400
CP/3-32	25102	3/32	2.5	5/16	8	4	100	400
CP/1-8	25103	1/8	3	5/16	8	4	100	400
CP/9-64	25104	9/64	3.5	5/16	8	4	100	400
* CP/5-32	25105	5/32	4	3/8	10	4	100	400
CP/3-16	25106	3/16	5	3/8	10	4	100	400
CP/7-32	25107	7/32	5.5	3/8	11	4	100	80
* CP/1-4	25108	1/4	6	7/16	11	5	125	150
CP/1-4/SPL	25111	1/4	6	1/2	13	5	100	150
* CP/5/ST	25109	5 pc set - packed in a vinyl pouch						100
		1/16" (1.5mm)	5/64" (2mm)	3/32" (2.5mm)	9/64" (3.5mm)	5/32" (4mm)		
CP/5/1-8/ST	25110	5 pc set - packed in a vinyl pouch						100
		1/16" (1.5mm)	5/64" (2mm)	3/32" (2.5mm)	1/8" (3mm)	5/32" (4mm)		
* CP/8/WD/ST	25120	8 pc set - packed to a wooden box						50
		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)					

* Best Seller



CP/5/ST
(Set in vinyl pouch)



CP/8/WD/ST
(Set in a wooden box)

Single piece carbon steel construction with hexagonal shank

Accurately hardened and tempered for extended service life

Working ends are machine ground with the body in premium powder coated finish

Used as a starting tool prior to using Pin Punches, these are useful for loosening frozen or tight pins and keys or knocking out rivets.



ORDERING INFORMATION

CAT NR.	ORD NR.	TIP DIAMETER (D)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
SGP/HD/1-16	25700	1/16	1.5	3/8	10	5	125	300
SGP/HD/3-32	25701	3/32	2.5	3/8	10	5	125	300
SGP/HD/1-8	25702	1/8	3	3/8	10	5	125	300
SGP/HD/1-8/SPL	25720	1/8	3	5/16	8	5	125	300
SGP/HD/5-32	25703	5/32	4	3/8	10	5	125	300
SGP/HD/3-16	25704	3/16	5	3/8	10	5	125	300
SGP/HD/7-32	25705	7/32	5.5	3/8	10	5 1/2	140	140
SGP/HD/1-4	25706	1/4	6	3/8	10	5	125	300
SGP/HD/5-16	25707	5/16	8	1/2	12	6	150	150
SGP/HD/3-8	25708	3/8	9.5	5/8	16	6 1/2	165	150
SGP/HD/1-2	25709	1/2	12	5/8	16	7	175	30

Single piece carbon steel construction with hexagonal shank

Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

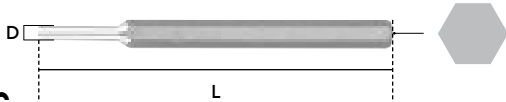
Induction hardened and special tempering process prevents the head from fracturing, thereby preventing accidents

Working ends are accurately ground and the punch body is in premium powder coated finish

Available in two types:

- a. **Regular**
- b. **Extra long**

For applications that require additional leverage



52-58 HRC



ORDERING INFORMATION

CAT NR.	ORD NR.	PIN DIAMETER (D)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
REGULAR								
PP/HD/1-16	25600	1/16	1.5	1/4	6	4	100	500
* PP/HD/3-32	25601	3/32	2.5	5/16	8	4-1/2	112	500
PP/HD/3-32/SPL	25609	3/32	2.5	1/4	6	4-1/4	106	300
* PP/HD/1-8	25602	1/8	3	5/16	8	4-3/4	119	300
* PP/HD/5-32	25603	5/32	4	5/16	8	5	125	300
* PP/HD/3-16	25604	3/16	5	3/8	10	5-1/4	132	300
PP/HD/3-16/SPL	25610	3/16	5	5/16	8	5-1/4	132	300
PP/HD/7-32	25605	7/32	5.5	3/8	10	5-1/2	138	200
* PP/HD/1-4	25606	1/4	6	3/8	10	5-3/4	145	300
PP/HD/5-16	25607	5/16	8	7/16	11	6	150	200
PP/HD/3-8	25608	3/8	10	1/2	12	6-1/2	163	100
PP/HD/6/ST	25612	6 pc set - packed in a vinyl pouch						50
		3/32"	1/8"	5/32"	3/16"	1/4"	5/16"	
		(2.5mm)	(3mm)	(4mm)	(5mm)	(6mm)	(8mm)	
* PP/HD/7/ST	25611	7 pc set - packed in a vinyl pouch						50
		1/16"	3/32"	1/8"	5/32"	3/16"	7/32"	
		(1.5mm)	(2.5mm)	(3mm)	(4mm)	(5mm)	(5.5mm)	
		1/4"						
		(6mm)						
EXTRA LONG								
* PP/HD/1-8L	25650	1/8	3	5/16	8	8	200	200
* PP/HD/3-16L	25651	3/16	5	3/8	10	8	200	200
* PP/HD/1-4L	25652	1/4	6	3/8	10	8	200	200
PP/HD/5-16L	25653	5/16	8	7/16	11	8	200	200
PP/HD/3-8L	25654	3/8	10	1/2	12	8	200	100
PP/HD/5L/ST	25655	5 pc set - packed in a vinyl pouch						25
		1/8"	3/16"	1/4"	5/16"	3/8"		
		(3mm)	(5mm)	(6mm)	(8mm)	(10mm)		

* Best Seller



PP/HD/6/ST



PP/HD/7/ST



PP/HD/5L/ST

Pin Punches Round Shank

Carbon steel construction with round shank and square striking head

Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

Clean and well cut knurling for non-slip and positive finger grip

Rust inhibiting black oxide finish

These are available in 3 different lengths:

- a. Pin Punches 4" (100 mm) long:**
Single piece construction with 1" (25 mm) long pin
- b. Pin Punches 6" (150 mm) long:**
Single piece construction with 1-3/4" (45 mm) long pin
- c. 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/ST



PP/8/WD/ST



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

ORDERING INFORMATION

4" (100 MM LONG)						
CAT NR.	ORD NR.	PIN DIAMETER (D)		BODY DIAMETER		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
* PP/1-16	25560	1/16	1.5	9/32	7	600
PP/3-32	25561	3/32	2.5	9/32	7	400
* PP/1-8	25562	1/8	3	9/32	7	400
* PP/5-32	25563	5/32	4	9/32	7	400
* PP/3-16	25564	3/16	5	5/16	8	400
PP/7-32	25565	7/32	5.5	5/16	8	400
* PP/1-4	25566	1/4	6	3/8	10	400
PP/5-16	25567	5/16	8	7/16	11	400
* PP/4/ST	25568	4 pc set - packed in vinyl pouch				100
		1/8" (3mm)	5/32" (4mm)	3/16" (5mm)	1/4" (6mm)	
PP/8/ST	25569	8 pc set - packed in a vinyl pouch				100
		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)	
* PP/8/WD/ST	25580	8 pc set - packed to a wooden box				50
		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)	

* Best Seller



52-58 HRC



PPR/6/ST



DDP/8/ST

ORDERING INFORMATION

6" (150 MM LONG)						
CAT NR.	ORD NR.	PIN DIAMETER (D)		BODY DIAMETER		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
PPR/1-16	25540	1/16	1.5	9/32	7	150
* PPR/3-32	25541	3/32	2.5	9/32	7	150
PPR/1-8	25542	1/8	3	9/32	7	150
* PPR/5-32	25543	5/32	4	9/32	7	150
* PPR/3-16	25544	3/16	5	5/16	8	150
PPR/7-32	25545	7/32	5.5	5/16	8	150
* PPR/1-4	25546	1/4	6	3/8	10	200
PPR/5-16	25547	5/16	8	1/2	11	150
PPR/3-8	25548	3/8	9.5	1/2	12	150
* PPR/6/ST	25549	6 pc set - packed in vinyl pouch				60
		3/32"	1/8"	5/32"	3/16"	
		(2.5 mm)	(3mm)	(4mm)	(5mm)	
		1/4"	5/16"			
		(6mm)	(8mm)			
PPR/8/ST	25550	8 pc set - packed in a vinyl pouch				50
		1/16"	3/32"	1/8"	5/32"	
		(1.5mm)	(2.5mm)	(3mm)	(4mm)	
		3/16"	7/32"	1/4"	5/16"	
		(5mm)	(5.5mm)	(6mm)	(8mm)	

* Best Seller

ORDERING INFORMATION

8" (200 MM LONG)						
CAT NR.	ORD NR.	PIN DIAMETER (D)		BODY DIAMETER		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
DDP/1-16	25500	1/16	1.5	23/64	9	100
DDP/3-32	25501	3/32	2.5	3/8	10	100
* DDP/1-8	25502	1/8	3	3/8	10	60
DDP/5-32	25503	5/32	4	3/8	10	100
* DDP/3-16	25504	3/16	5	1/2	12	150
* DDP/1-4	25505	1/4	6	1/2	12	100
* DDP/5-16	25506	5/16	8	1/2	12	150
DDP/3-8	25507	3/8	9.5	1/2	12	150
* DDP/5/ST	25508	5 pc set - packed in a vinyl pouch				40
		1/8"	3/16"	1/4"	5/16"	
		(3mm)	(5mm)	(6mm)	(8mm)	
		3/8"				
		(9.5mm)				
* DDP/8/ST	25509	8 pc set - packed in a vinyl pouch				25
		1/16"	3/32"	1/8"	5/32"	
		(1.5mm)	(2.5mm)	(3mm)	(4mm)	
		3/16"	1/4"	5/16"	3/8"	
		(5mm)	(6mm)	(8mm)	(9.5mm)	

* Best Seller

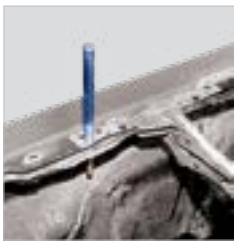


Single piece carbon steel construction with hexagonal shank

Accurately hardened and tempered for extended service life

Working ends are machine ground with the body in premium powder coated finish

Used 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"



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



52-58 HRC

ORDERING INFORMATION

CAT NR.	ORD NR.	TIP DIAMETER (D)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
DFP/HD/3-32	25800	3/32	2.5	5/16	8	8	200	200
* DFP/HD/1-8	25801	1/8	3	5/16	8	8	200	200
* DFP/HD/5-32	25802	5/32	4	3/8	10	9	225	150
* DFP/HD/5-32/SPL	25822	5/32	4	1/2	13	10	250	100
* <u>DFP/HD/3-16</u>	25803	3/16	5	1/2	13	10	250	100
DFP/HD/3-16/SPL	25820	3/16	5	5/16	8	10	250	200
DFP/HD/7-32	25804	7/32	5.5	1/2	13	10	250	100
DFP/HD/7-32/SPL	25823	7/32	5.5	3/4	19	17-3/4	450	30
* <u>DFP/HD/1-4</u>	25805	1/4	6	5/8	16	12	300	60
DFP/HD/1-4/SPL	25821	1/4	6	3/8	10	10	250	150
<u>DFP/HD/5-16</u>	25806	5/16	8	3/4	19	12	300	50
DFP/HD/3-8	25807	3/8	9.5	3/4	19	15	375	30
DFP/HD/3-8/SPL	25824	3/8	9.5	5/8	16	10	250	60
DFP/HD/1-2	25808	1/2	12	7/8	22	18	450	20
DFP/HD/7/ST	25809	7 pc set - packed in vinyl pouch						10
		1/8" (3mm)	5/32" (4mm)	3/16" (5mm)	7/32" (5.5mm)	1/4" (6mm)	5/16" (8mm)	3/8" (9.5mm)

* Best Seller

Underlined sizes find use in construction for aligning scaffoldings



DFP/HD/7/ST

Brass Punches are ideal for delicate work on soft materials

Non-marring, they do not cause damage to the material being worked upon. They have a single piece construction

Useful 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"



ORDERING INFORMATION

CAT NR.	ORD NR.	TIP DIA (D)		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
DFP/B/6	25840	1/4	6	5-13/16	147	300
DFP/B/10	25841	3/8	10	5-13/16	147	150
DFP/B/12	25842	1/2	12	5-13/16	147	100
DFP/B/16	25843	5/8	16	5-13/16	147	50
DFP/B/19	25844	3/4	19	5-13/16	147	50
DFP/5B/ST	25850	5 pc set - packed in a vinyl pouch				20
		1/4" (6mm)	3/8" (10mm)	1/2" (12mm)	5/8" (16mm)	
		3/4" (19mm)				



DFP/5B/ST



Single piece carbon steel construction with hexagonal shank

Accurately hardened and tempered for extended service life

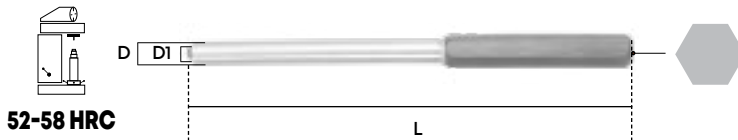
Working ends are machine ground with the body in premium powder coated finish

Chamfered striking end helps reduce mushrooming and chipping

Specifically designed to remove spring pins / roll pins. 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 thus eliminating any damage to the pin or wall



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



52-58 HRC

ORDERING INFORMATION

CAT NR.	ORD NR.	PIN DIAMETER (D)		BALL DIAMETER (D1)		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	INCH	MM	
RPP/3-32	25640	3/32	2.5	1/16	1.25	3-1/2	89	300
RPP/1-8	25641	1/8	3	3/32	2.00	3-3/4	94	300
RPP/5-32	25642	5/32	4	7/64	2.75	4-1/2	114	300
RPP/3-16	25643	3/16	5	1/8	3.00	4-1/2	114	500
RPP/1-4	25644	1/4	6	5/32	4.00	5-1/2	140	300
RPP/5-16	25645	5/16	8	7/32	5.50	6	150	300
* RPP/6/ST	25646	6 pc set - packed in a vinyl pouch						50
		3/32" (2.5mm)	1/8" (3mm)	5/32" (4mm)	3/16" (5mm)	1/4" (6mm)	16" (8mm)	

* Best Seller

43

Hinge Centering Punch

JCP

Ideal 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



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



ORDERING INFORMATION

CAT NR.	ORD NR.	STOCK SIZE		OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
JCP/01	25004	3/8	10	3	78	200

44

Prick Punches Heavy Duty

PKP-HD

Carbon steel single piece construction

Powder coated body with ground working ends

A sharp point makes these useful in applications where precise marking/scoring is needed such as marking metal in work layouts



52-58 HRC



ORDERING INFORMATION

CAT NR.	ORD NR.	POINT SIZE (P)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
PKP/HD/1-4	25450	5/64	2	1/4	6	3	75	300
* PKP/HD/3-8	25451	5/32	4	3/8	10	5	125	300
PKP/HD/1-2	25452	1/4	6	1/2	12	6	150	150

* Best Seller

45

**Nail
Punches**

NLP



Carbon steel two piece construction with round shank and square striking head

Accurately hardened and tempered for extended service life

Clean and well cut knurling for non-slip and positive finger grip

3/8" (9.5 mm) square head provides a larger area for striking & also prevents the punch from rolling off

Rust inhibiting black oxide finish

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



The working end is cupped to follow the nail head without sliding off

ORDERING INFORMATION

CAT NR.	ORD NR.	TIP DIAMETER		OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
* NLP/SQ/1-32	25360	1/32	0.80	4	100	400
* NLP/SQ/1-16	25361	1/16	1.5	4	100	400
* NLP/SQ/3-32	25362	3/32	2.5	4	100	400
* NLP/SQ/1-8	25363	1/8	3	4	100	400
NLP/SQ/5-32	25364	5/32	4	4	100	400
NLP/SQ/3-16	25365	3/16	5	4	100	400
NLP/SQ/3/ST	25366	A set of 3 Nail Punches				200
		1/32" (0.80mm)	1/16" (1.5mm)	3/32" (2.5mm)		

* Best Seller

Fully automatic single hand operated spring loaded punches

No Hammering

Built-in mechanism delivers a punch by pressing the head

Variable depth impression 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

Round shank with clean and well cut knurling for positive non-slip grip

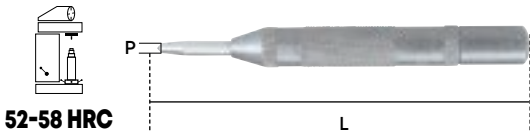
Tips are made from hardened tool steel and can be easily removed for re-sharpening or replacement

These are available in 3 types:

- a. Automatic Centre Punch - Steel**
Useful for light marking jobs
- b. Automatic Centre Punch - Stainless Steel**
Useful for light marking jobs
- c. Automatic Centre Punch - Aluminium**
Useful for light marking job
- d. Automatic Centre Punch - Heavy Duty**
A heavy-duty version of the above steel punch. It is capable of making very deep indentations



ACP/1B ACP/SS/89 ACP/77 ACP/78



ORDERING INFORMATION

CAT NR.	ORD NR.	BODY DIAMETER		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
AUTOMATIC CENTRE PUNCH - STEEL						
* ACP/1B	25000	1/2	13	4-3/4	120	150
AUTOMATIC CENTRE PUNCH - STAINLESS STEEL						
ACP/SS/89	25009	1/2	13	5-1/8	130	150
AUTOMATIC CENTRE PUNCH - ALUMINIUM						
ACP/77	25005	1/2	13	5	128	150
AUTOMATIC CENTRE PUNCH - HEAVY DUTY STEEL						
ACP/78	25012	23/32	18	5-3/4	147	150

* Best Seller





Ideal 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:

a. Hollow Punches

- Machined single piece steel cylindrical construction
- Designed to cut small holes ranging from 3/32" - 1" (2mm -25mm) diameter

b. Arch Punches

- Arch / Bell Type construction
- Larger form with a long shaft for convenient holding
- Designed to cut holes ranging from 3/16" (5 mm) to 2.3/4" (70 mm)



ORDERING INFORMATION

CAT NR.	ORD NR.	HOLE DIAMETER (D)		BOX QTY.
		(INCH)	(MM)	
HOLLOW PUNCHES				
HPL/2	26302	3/32	2	300
* HPL/3	26303	1/8	3	300
HPL/4	26304	5/32	4	300
* HPL/5	26305	3/16	5	300
HPL/5.5	26371	7/32	5.5	300
* HPL/6	26306	1/4	6	300
HPL/7	26307	9/32	7	200
* HPL/8	26308	5/16	8	120
HPL/9	26309	23/64	9	120
* HPL/10	26310	3/8	10	120
HPL/10.5	26372	13/32	10.5	120
HPL/11	26311	7/16	11	120
* HPL/12	26312	1/2	12	120
HPL/13	26313	17/32	13	120
HPL/14	26314	9/16	14	120
HPL/15	26315	19/32	15	120
* HPL/16	26316	5/8	16	120
HPL/17	26317	11/16	17	80
HPL/18	26318	23/32	18	80
* HPL/19	26319	3/4	19	80
HPL/20	26320	13/16	20	80
HPL/21	26321	27/32	21	80
* HPL/22	26322	7/8	22	80
HPL/23	26323	29/32	23	80
HPL/24	26324	15/16	24	80
* HPL/25	26325	1	25	80

* Best Seller



Arch Punches

CAT NR.	ORD NR.	HOLE DIAMETER (D)		BOX QTY.
		(INCH)	(MM)	
ARCH PUNCHES				
* HPL/5/BEL	26400	3/16	5	300
* HPL/6/BEL	26401	1/4	6	300
* HPL/8/BEL	26402	5/16	8	300
* HPL/10/BEL	26403	3/8	10	300
HPL/11/BEL	26404	7/16	11	250
* HPL/12/BEL	26405	1/2	12	250
HPL/14/BEL	26406	9/16	14	200
* HPL/16/BEL	26407	5/8	16	100
HPL/18/BEL	26408	23/32	18	100
* HPL/19/BEL	26409	3/4	19	100
HPL/21/BEL	26410	27/32	21	100
* HPL/22/BEL	26411	7/8	22	100
HPL/24/BEL	26412	15/16	24	50
* HPL/25/BEL	26413	1	25	50
HPL/26	26326	1-1/64	26	40
HPL/27	26327	1-1/16	27	40
HPL/28	26328	1-3/32	28	40
HPL/29	26329	1-1/8	29	40
* HPL/30	26330	1-3/16	30	40
HPL/31	26331	1-7/32	31	40
* HPL/32	26332	1-1/4	32	40
HPL/33	26333	1-5/16	33	40
HPL/34	26334	1-11/32	34	40
HPL/35	26335	1-3/8	35	40
HPL/36	26336	1-13/32	36	40
HPL/37	26337	1-15/32	37	20

CAT NR.	ORD NR.	HOLE DIAMETER (D)		BOX QTY.
		(INCH)	(MM)	
ARCH PUNCHES (CONTINUED)				
* HPL/38	26338	1-1/2	38	20
HPL/39	26339	1-17/32	39	20
HPL/40	26340	1-9/16	40	15
HPL/41	26341	1-5/8	41	15
HPL/42	26342	1-21/32	42	10
HPL/43	26343	1-11/16	43	10
HPL/44	26344	1-23/32	44	10
HPL/45	26345	1-25/32	45	10
HPL/46	26346	1-13/16	46	10
HPL/47	26347	1-27/32	47	10
HPL/48	26348	1-7/8	48	10
HPL/49	26349	1-15/16	49	10
* HPL/50	26350	2	50	10
HPL/52	26352	2-5/64	52	10
HPL/54	26354	2-5/32	54	10
HPL/55	26355	2.3/16	55	10
HPL/57	26357	2-9/32	57	10
HPL/58	26358	2-19/64	58	10
HPL/60	26360	2-3/8	60	10
HPL/62	26362	2-15/32	62	10
HPL/63	26363	2-1/2	63	10
HPL/65	26365	2-9/16	65	10
HPL/67	26367	2-21/32	67	10
HPL/68	26368	2-11/16	68	10
HPL/70	26370	2-3/4	70	10

Hollow & Arch Punches (continued)



HPL/7/BEL/ST



HPL/14/ST

CAT NR.	ORD NR.	CONSTITUENTS						BOX QTY.
SETS								
HPL/5/ST	26390	5 pc Hollow Punches Set - Packed in a vinyl pouch						40
		3/32" (2mm)	5/32" (4mm)	1/4" (6mm)	5/16" (8mm)	3/8" (10mm)		
HPL/5/BEL/ST	26440	5 pc Bell Type Arch Punch Set - Packed in a vinyl pouch						20
		1/4" (6mm)	3/8" (10mm)	1/2" (12mm)	5/8" (16mm)	3/4" (19mm)		
* HPL/6/ST	26391	6 pc Hollow Punch Set - Packed in a vinyl pouch						40
		3/16" (5mm)	1/4" (6mm)	5/16" (8mm)	3/8" (10mm)	7/16" (11mm)	1/2" (12mm)	
HPL/7/ST	26392	7 pc Hollow Punch Set - Packed in a vinyl pouch						25
		1/4" (6mm)	5/16" (8mm)	3/8" (10mm)	7/16" (11mm)	7/32" (13mm)	5/8" (16mm)	
							3/4" (19mm)	
* HPL/7/BEL/ST	26441	7 pc Bell Type Arch Punch Set - Packed in a vinyl pouch						25
		1/4" (6mm)	3/8" (10mm)	1/2" (12mm)	5/8" (16mm)	3/4" (19mm)	7/8" (22mm)	
							1" (25mm)	
HPL/7A/BEL/ST	26442	7 pc Bell Type Arch Punch Set - Packed in a vinyl pouch						25
		3/16" (5mm)	5/16" (8mm)	7/16" (11mm)	9/16" (14mm)	23/32" (18mm)	27/32" (21mm)	
							15/16" (24mm)	
* HPL/10/ST	26395	10 pc Hollow Punch Set - packed in a vinyl pouch						10
		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)				
* HPL/14/ST	26396	14 pc Punch Set - Packed to a wooden box						4
		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)	
HPL/16/ST	26397	16 pc Punch Set - Packed to a wooden box						3
		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)					

For hand held, hammer struck applications

Manufactured from select quality carbon steel. Induction hardened, which gives durability and extended life for repeated use

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



Plastic Case

Wood Case

These are available in two types

a. Plastic Case / Metal case

Number stamps:

Size 1mm – 10mm : Plastic case

Size 12mm : Metal case

Letter stamps:

1mm – 8mm : Plastic case

10mm – 12mm : Metal case

b. Wood Case

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

Indentation Actual size	E	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



52-58 HRC
At Stamping End



35-42 HRC
At Striking End

ORDERING INFORMATION

NUMBER STAMP SET

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

CAT NR.	ORD NR.	CAT NR.	ORD NR.	STAMP SIZE		BOX QTY.
				(INCH)	(MM)	
		PLASTIC / METAL CASE	WOOD CASE			
NP/1	25900	NP/WD/1	25930	1/16	1	100
NP/2	25901	NP/WD/2	25931	3/32	2	100
* NP/3	25902	NP/WD/3	25932	1/8	3	80
NP/4	25903	NP/WD/4	25933	5/32	4	80
* NP/5	25904	NP/WD/5	25934	3/16	5	50
* NP/6	25905	NP/WD/6	25935	1/4	6	40
NP/8	25906	NP/WD/8	25936	5/16	8	30
NP/10	25907	NP/WD/10	25937	3/8	10	18
NP/12	25908	NP/WD/12	25938	1/2	12	12

* Best Seller

LETTER STAMP SET

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

CAT NR.	ORD NR.	CAT NR.	ORD NR.	STAMP SIZE		BOX QTY.
				(INCH)	(MM)	
		PLASTIC / METAL CASE	WOOD CASE			
LP/1	26100	LP/WD/1	26130	1/16	1	40
LP/2	26101	LP/WD/2	26131	3/32	2	40
* LP/3	26102	LP/WD/3	26132	1/8	3	20
LP/4	26103	LP/WD/4	26133	5/32	4	20
* LP/5	26104	LP/WD/5	26134	3/16	5	20
* LP/6	26105	LP/WD/6	26135	1/4	6	15
LP/8	26106	LP/WD/8	26136	5/16	8	10
LP/10	26107	LP/WD/10	26137	3/8	10	6
LP/12	26108	LP/WD/12	26138	1/2	12	4

* Best Seller

Individually forged from high quality steel

Precisely ground cutting edge induction hardened (52-58 HRC) for improved performance & durability

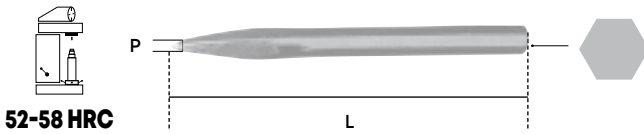
Hardness at the striking end is maintained to under 42 HRC, so that the head will not splinter when subject to hammer blows

Powder coated shank with accurately ground cutting edge

These are available in the following types:

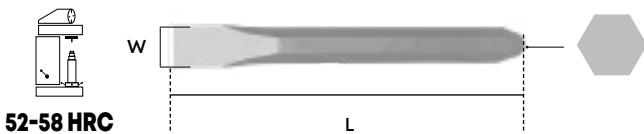
a. Concrete Point Chisels

- Useful 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.
- Larger sizes are also available with strong impact proof polypropylene hand guards designed to protect the user's hands from misplaced hammer blows



b. Octagonal Cold Chisels

- Used for general purpose work on cutting and chipping of metals, and shaping, facing and cutting of stonework
- Larger sizes are available with strong and impact-proof polypropylene hand guards designed to protect the user's hands from misplaced hammer blows



Concrete Point Chisels

ORDERING INFORMATION

CAT NR.	ORD NR.	POINT SIZE (P)		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
CONCRETE POINT CHISELS						
CRP/150-13	32650	5/32	4	6	150	80
CRP/200-13	32651	5/32	4	8	200	80
CRP/250-16	32652	7/32	5	10	250	60
* CRP/250-19	32653	1/4	6	10	250	60
* CRP/300-19	32654	1/4	6	12	300	50
CONCRETE POINT CHISELS WITH GUARD						
CRP/250-19/GRP	32661	1/4	6	10	250	25
CRP/300-19/GRP	32662	1/4	6	12	300	25

* Best Seller

CHS

CRP



Octagonal Cold Chisels



Octagonal Cold Chisels with Guard

ORDERING INFORMATION

CAT NR.	ORD NR.	BLADE WIDTH (W)		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
OCTAGONAL COLD CHISELS						
CHS/4/1-4	32827	1/4	6	4	100	300
CHS/5/1-4	32800	1/4	6	5	125	300
CHS/6/1-4	32828	1/4	6	1/4	150	300
CHS/5/5-16	32801	5/16	8	5	125	300
CHS/4/3-8	32817	3/8	10	4	100	300
CHS/5/3-8	32829	3/8	10	5	125	300
CHS/5.5/3-8	32802	3/8	10	5.1/2	140	100
* CHS/6/1-2	32803	1/2	13	6	150	200
CHS/8/1-2	32818	1/2	13	8	200	150
CHS/10/1-2	32831	1/2	13	10	250	100
CHS/12/1-2	32810	1/2	13	12	300	150
CHS/6.5/5-8	32804	5/8	16	6.1/2	163	100
CHS/7/5-8	32819	5/8	16	7	175	100
CHS/12/5-8	32811	5/8	16	12	300	50
CHS/18/5-8	32820	5/8	16	18	450	30
CHS/7/3-4	32805	3/4	19	7	175	100
* CHS/8/3-4	32825	3/4	19	8	200	60
* CHS/10/3-4	32826	3/4	19	10	250	60
* CHS/12/3-4	32812	3/4	19	12	300	60
CHS/18/3-4	32815	3/4	19	18	450	40
CHS/24/3-4	32832	3/4	19	24	600	20
CHS/7.5/7-8	32806	7/8	22	7.1/2	190	60
CHS/8/7-8	32821	7/8	22	8	200	60
CHS/12/7-8	32813	7/8	22	12	300	30
CHS/8/0-1	32807	1	25	8	200	50
CHS/9/0-1	32833	1	25	9	225	40
* CHS/10/0-1	32823	1	25	10	250	40
* CHS/12/0-1	32814	1	25	12	300	30
CHS/15/0-1	32824	1	25	15	380	20
CHS/18/0-1	32816	1	25	18	450	20
CHS/24/0-1	32834	1	25	24	600	10
CHS/6/ST	32830	6 pc set - packed in a vinyl pouch				40
		5"x 1/4" (125 x 6mm)		5" x 5/16" (125 x 8mm)		
		5.5"x 3/8" (140 x 10mm)		6"x 1/2" (150 x 13mm)		
		6.5"x 5/8" (163 x 16mm)		7" x 3/4" (175 x 19mm)		
OCTAGONAL COLD CHISELS WITH GRIP GUARD						
* CHS/10/3-4/GRP/YE	32841	3/4	19	10	250	25
* CHS/12/3-4/GRP/YE	32843	3/4	19	12	300	25
CHS/18/3-4/GRP/YE	32845	3/4	19	18	450	25
CHS/8/0-1/GRP/YE	32840	1	25	8	200	25
* CHS/10/0-1/GRP/YE	32842	1	25	10	250	25
* CHS/12/0-1/GRP/YE	32844	1	25	12	300	25
CHS/18/0-1/GRP/YE	32846	1	25	18	450	20

* Best Seller



Terylene Pouch keeps the tools organised and easily identifiable

- Useful kits for
- Journeyman
 - The farmer or rancher
 - The mechanic
 - The carpenter



KIT/24/ST

24 Pc Punch & Chisel Set

Ord. Nr. 33003

Box Qty. 10

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
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
PIN PUNCHES – HEAVY DUTY						
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
STARTING PUNCHES – HEAVY DUTY						
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-PCH

KIT/26/ST

26 pc punch & chisel set

Ord Nr. 33004

Box Qty. 6

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
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
PIN PUNCHES – HEAVY DUTY						
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
STARTING PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
PKP/HD/3-8	5/32	4	3/8	10	5	125



KIT/14/ST

14 pc punch & chisel set

Ord Nr. 33001

Box Qty. 12

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
CP/HD/5-32	5/32	4	3/8	10	5	125
CP/HD/1-4	1/4	6	1/2	12	6	150
PIN PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
DFP/HD/1-8	1/8	3	5/16	8	8	200
DFP/HD/5-32	5/32	4	3/8	10	9	225
STARTING PUNCHES – HEAVY DUTY						
SGP/HD/5-16	5/16	8	1/2	12	6	150
SGP/HD/1-8	1/8	3	3/8	10	5	125



Punch & Chisel Sets (continued)



KIT/8/ST

8 Pc Punch & Chisel Set
Ord. Nr. 33000
Box Qty. 24

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
CP/HD/5-32/SPL	5/32	4	5/16	10	5-1/2	125
PIN PUNCHES – HEAVY DUTY						
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
STARTING PUNCHES – HEAVY DUTY						
SGP/HD/3-16	3/16	5	3/8	10	5	125



KIT/16/ST

16 Pc Punch & Chisel Set
Ord. Nr. 33002
Box Qty. 12

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
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
PIN PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
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
STARTING PUNCHES – HEAVY DUTY						
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
7 Pc Punch & Chisel Set
Ord. Nr. 33005
Box Qty. 24

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
CP/HD/5-32	5/32	4	5/16	8	5-1/2	138
PIN PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
DFP/HD/5-32	5/32	4	3/8	10	9	230



KIT/13/ST
13 Pc Punch & Chisel Set
Ord. Nr. 33006
Box Qty. 12

CONSTITUENTS	BLADE WIDTH		STOCK SIZE		OVERALL LENGTH	
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
CAT NR. KIT/13/ST ORDNR. 33006						
OCTAGONAL COLD CHISELS						
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
CENTRE PUNCHES – HEAVY DUTY						
CP/HD/1-4	1/4	6	1/2	13	6	150
PIN PUNCHES – HEAVY DUTY						
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
DRIFT PUNCHES – HEAVY DUTY						
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
PRICK PUNCHES – HEAVY DUTY						
PKP/HD/3-8	3/8	10	3/8	10	5	125



ACC.
BS3066
For hardness



Single piece forging from high quality carbon steel

Precisely ground cutting edge induction hardened (52–58 HRC) for improved performance & durability

Hardness at the striking end is maintained to under 42 HRC, so that the head will not splinter when subject to hammer blows

Powder coated bolster with accurately ground cutting edge

Safety warning permanently etched on each bolster

Bolsters are also available with strong impact proof polypropylene hand guards designed to protect the user's hands from misplaced hammer blows



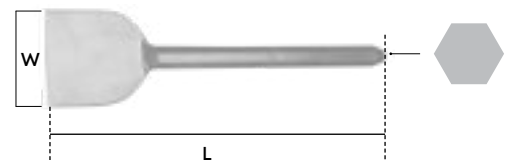
a. Brick Bolsters

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



b. Electrician's Bolsters/Floor Chisels

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



ORDERING INFORMATION

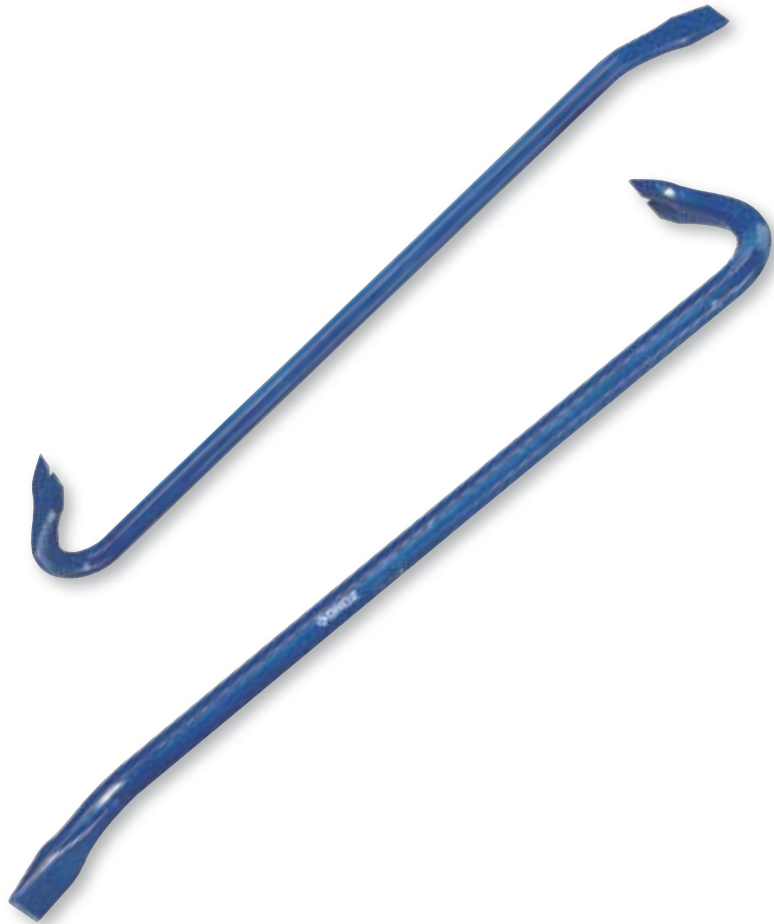
CAT NR.	ORD NR.	BLADE WIDTH (W)		STOCK SIZE		OVERALL LENGTH (L)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
BRICK BOLSTERS								
* BRC/75	32601	3	75	7/8	22	9	230	30
* BRC/100	32602	4	100	7/8	22	9	230	30
BRICK BOLSTERS WITH GUARD								
* BRC/75/GRP/YE	32621	3	75	7/8	22	9	230	25
* BRC/100/GRP/YE	32622	4	100	7/8	22	9	230	25
ELECTRICIAN'S BOLSTER / FLOOR CHISELS								
* FLR/CHS/9/2-1-2	32642	2.1/2	63	5/8	16	9	230	30
ELECTRICIAN BOLSTERS/ FLOOR CHISELS WITH GUARD								
* FLR/CHS/9/2-1-2/GRP/YE	32643	2.1/2	63	5/8	16	9	230	25

* Best Seller

Forged from octagonal section steel

Attractive powder coated finish

Suited for levering timber and for pulling out nails from timber, dismantling wooden crates etc.



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		SECTION		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
WB/000	33100	12	300	5/8	16	50
WB/00	33101	16	400	5/8	16	25
* WB/01	33102	18	450	5/8	16	32
WB/02	33103	20	500	5/8	16	25
* WB/03	33104	24	600	3/4	19	15
WB/04	33105	28	700	3/4	19	15
WB/05	33106	30	750	3/4	19	15
WB/07	33108	36	900	3/4	19	10
WB/06	33107	40	1000	3/4	19	10

* Best Seller



Octagonal Shank



NEW!

Heavy Duty Wrecking Bar for the professional user

Manufactured from high quality forged alloy steel

I Section steel bar, fully hardened & tempered for added strength and durability. Will withstand heavy loads without deformation

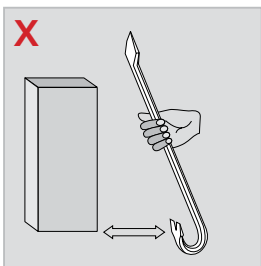
Low profile claw fits securely under the work-piece giving larger prying power

Wide & thin profile of claw permits easy insertion under the surface

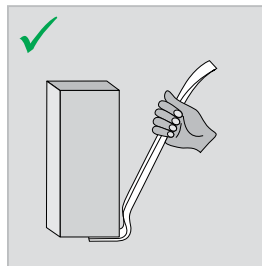
Large bar to claw angle for 2X leverage and convenient use near work surface



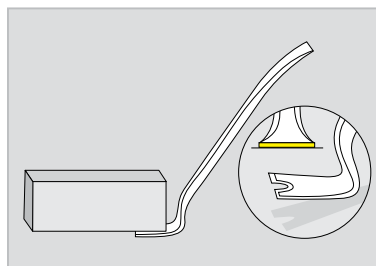
V slot in the claw for pulling out nails



Regular wrecking bar claw angle prevents use near flat surfaces



Larger bar-to-claw for 2X leverage & convenient use near surface



Low & thin profile for easy fitment under the surface

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		SECTION		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
GBR/14	33185	14	356	1/2 × 19/32	12 × 15	25
GBR/24	33186	24	610	5/8 × 1-3/16	16 × 30	10
GBR/36	33187	36	914	5/8 × 1-3/16	16 × 30	4
GBR/48	33188	48	1220	5/8 × 1-3/16	16 × 30	4

Forged Chrome Steel blade welded to a tubular steel bar

Blade hardened 35- 45 HRC

Extra-long bar provides higher leverage reducing effort in heavy duty prying applications & demolition work. Used to pull, lift, scrape & wedge metal, wood & stone with less effort

Powder coated for increased resistance to corrosion



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BLADE WIDTH		BLADE THICKNESS		HANDLE CROSS SECTION		WEIGHT		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	(KGS)	(LBS)	
HDPR/46	33140	46	1170	3.35	85	0.27	7	1-1/2 x 1 x 0.078	38 x 25 x 2	3.1	6.85	2
HDPR/56	33141	56	1425	3	76	1/2	13	2 x 1 x 1/8	51 x 25 x 3	6.2	13.65	2

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San-Angelo Bar

SAB

NEW!

Heavy Duty 1" (25mm) hex steel bar for higher strength in the toughest of jobs

Carbon steel bar with heat treated ends upto 50 HRC for higher durability and toughness over time

Overall Length of 72" (1820 mm) for higher leverage

Pointed tip on one end for breaking the top soil and a flat tip on the opposite end for digging

UTILITY

- Breaking up concrete and stone
- Prying heavy material
- Digging into difficult soil to cut tree roots and obstacles
- Breaking up rocks, clay and concrete.
- Moving heavy objects around the yard



Used in digging into earth



Used to break heavy rocks



Can easily dig into hard soil



Can cut tree roots while digging



San-Angelo Bar

(L)



(L)

ORDERING INFORMATION

CAT NR.	OVERALL LENGTH (L)		WEIGHT		BOX QTY.
	(INCH)	(MM)	(KG)	(LBS)	
SAB/72	72	1820	7.25	16	4

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Post Hole Digging Bar

PHD

NEW!

Heavy Duty 1" (25mm) round steel bar for higher strength in the toughest of jobs

Carbon steel bar with heat treated ends upto 50 HRC for higher durability and toughness over time

Post Hole Digger has a 2-3/8" (60mm) mushroom head at one end and bevelled chisel edge at the other

Overall Length of 69" (1750mm) for higher leverage

Balanced weight to length ratio for higher downward pressure while digging and striking

UTILITY

- Fence post work
- Digging holes
- Breaking up clay
- Cutting through tree roots



Post Hole Digging Bar

ORDERING INFORMATION

CAT NR.	OVERALL LENGTH (L)		WEIGHT		BOX QTY.
	(INCH)	(MM)	(KG)	(LBS)	
PHD/69	69	1750	7.25	16	4

NEW!

Multi purpose utility bar engineered for maximum torque in prying and pulling out nails

High strength single piece forged construction with high load bearing capacity without bending

Induction hardened ends 35-42HRC

Extra wide, half round blade for increased strength without increasing weight

Powder coated for increased resistance to corrosion

Three nail slots, one at each end and one in the middle for pulling out all types of nails at any angle

Thin and sharp chiselled end slides easily into cracks and crevices

Perfect for window and door trim, moulding and baseboard works



ORDERING INFORMATION

CAT NR.	LENGTH		SECTION		BOX QTY.
	(INCH)	(MM)	(INCH)	(MM)	
UBR/15	15	380	1-21/32 × 13/64	42 × 5	20



02

**HACKSAW
FRAMES & BLADES**



Amongst the world's strongest & fastest cutting hacksaw frame

Blade can be tensioned up to 5X more than conventional Hacksaw Frames to achieve 30,000 PSI tension, giving a super fast cutting action

Rugged aluminum die cast handle & tubular steel frame

For use with 12" (300 mm) blades

Blade can be mounted at 45° for flush cutting jobs

Storage space in the frame for spare blades

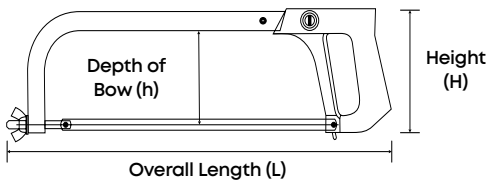
Comes complete with 12" (300 mm) Bi-metal blade



SPECIFICATIONS

TENSILE STRENGTH	30,000 PSI	2100 KGF/CM ²
------------------	------------	--------------------------

Adjustable for 10" (250 mm) & 12" (300 mm) blade



ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		HEIGHT (H)		DEPTH OF BOW		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
HF/40/BL	30041	16-23/32	425	6-1/2	165	4	100	20



Rugged and heavy-duty hacksaw designed for the professional users

Strong aluminium die cast handle provides comfort and control. Guarded grip design protects knuckles from grazing

Square section tubular frame provides the perfect combination of balance and rigidity

Curved front end designed for comfortable two hand usage

Easy to use blade tensioning device helps to set the blade correctly

Complete with a 12" (300 mm) chrome steel hacksaw blade



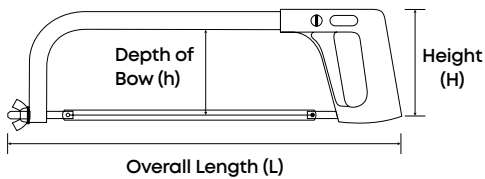
HF/12/RB



HF/12/BC

SPECIFICATIONS

TENSILE STRENGTH	8000 PSI	560 KGF/CM ²
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ORDERING INFORMATION

CAT. NR.	ORD NR.	DESCRIPTION	OVERALL LENGTH		HEIGHT		DEPTH OF BOW		BOX QTY.
			(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	40
HF/12/RB	30001	Black powder coated frame with red handle	17-5/16	440	5-1/8	130	4	103	40

* Best Seller



Perfect combination of rigidity and balance

Aluminium die cast handle unbreakable in normal use provides comfortable grip and directs pressure in the correct line of thrust for maximum efficiency

Black powder coated frame with grey handle

Adjustable for 10" (250 mm) & 12" (300 mm) blades

Blade can also be set for sawing at 90°

Storage compartment in the tubular bow for storing spare blades

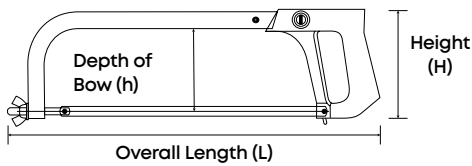
Useful for overhead cutting or use from a ladder or scaffolding



SPECIFICATIONS

TENSILE STRENGTH	6000 PSI	420 KGF/CM ²
------------------	----------	-------------------------

Adjustable for 10" (250 mm) & 12" (300 mm) blade



ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH (L)		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
HF15/BS	30010	17	430	5-1/8	130	4-15/64	106	48

Tough junior saw designed for the handyman and the professional

Compact steel frame is light, yet strong

Ergonomically designed handle grip made from high quality ABS

Blade Tensioning Mechanism

Locks the blade in position when the correct tension is reached

Complete with 6" (150 mm) blade



JHF/P/12/GY5/BL

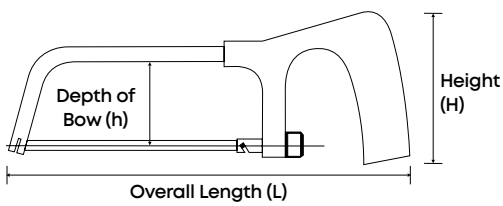


Blade tensioning mechanism

JHF/P/12/RD/BL



JHF/P/12/BL/BL



ORDERING INFORMATION

CAT NR.	ORD NR.	HANDLE	OVERALL LENGTH (L)		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
			(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
JHF/P/12/RD/BL	30100	Red	10	250	4	100	2	50	100
JHF/P/12/GY5/BL	30101	Grey	10	250	4	100	2	50	100
JHF/P/12/BL/BL	30105	Black	10	250	4	100	2	50	100

Steel wire frame junior saw designed to ensure correct alignment and perfect blade tension

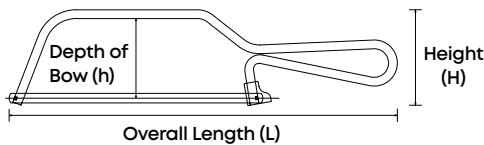
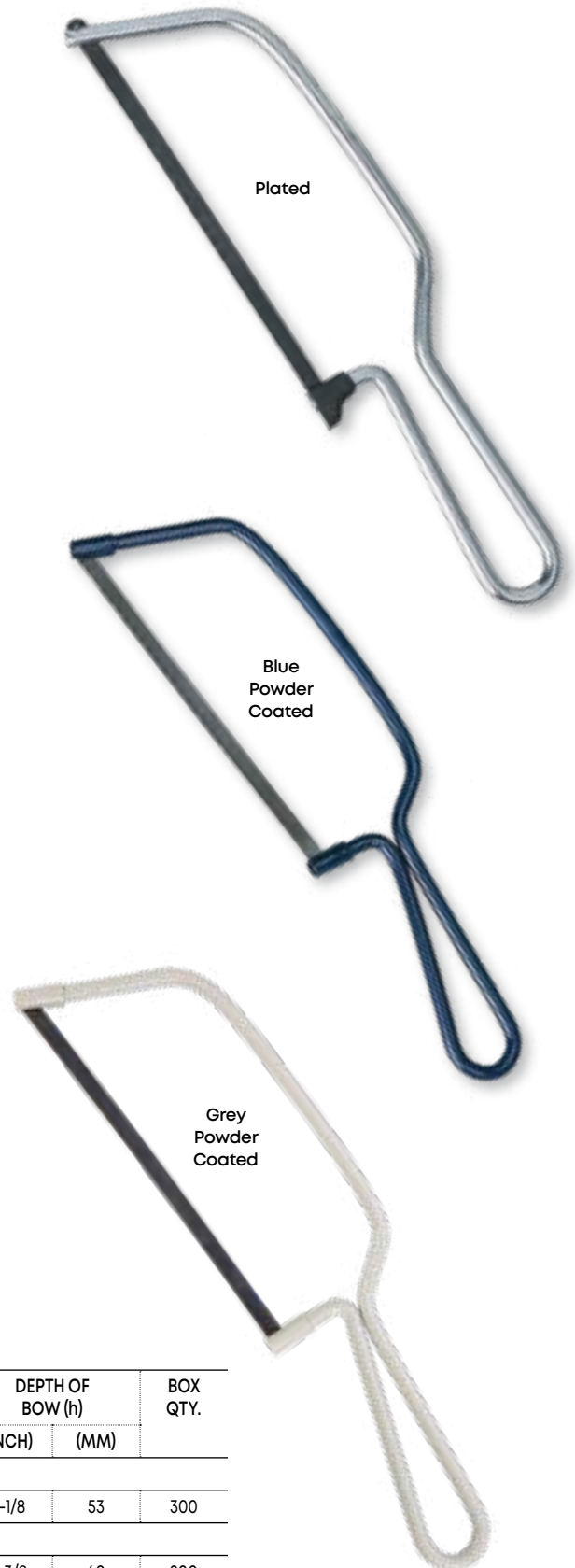
Blade holder intrinsic in the frame avoids protrusion of the blade from the ends

Replace blade by compressing the front end of the frame against any solid surface

Complete with a 6" (150 mm) mini saw blade

Available in two types:

- a. Plated Frame
- b. Powder Coated frame



ORDERING INFORMATION

CAT NR.	ORD NR.	FRAME	OVERALL LENGTH		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
			(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
JUNIOR SAW FRAME – PLATED									
* JHF/4	30120	Plated	9-7/16	240	2-3/8	60	2-1/8	53	300
JUNIOR SAW FRAME – POWDER COATED									
* JHF/4PD	30130	Blue	9-7/16	240	2-3/4	70	2-3/8	60	200
JHF/4PD/GY	30131	Grey	9-7/16	240	2-3/4	70	2-3/8	60	200

* Best Seller

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

Design of the bow allows the blade to be tensioned as it is clamped in the frame

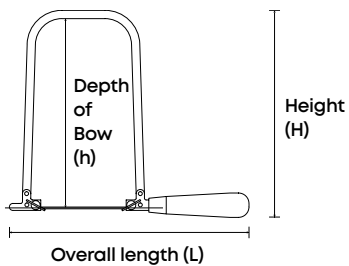
Serrated clamps operated via the screw and wing nut maintain firm grip on the blade

Well designed wooden handle provides comfortable grip

Complete with a standard fret saw blade

Available in two finishes:

1. **Blue powder coated**
2. **Premium chrome plated**



ORDERING INFORMATION

CAT NR.	ORD NR.	DETAILS	OVERALL LENGTH (L)		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
			(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
FSF/9	30223	Blue Powder Coated Frame	12	300	12	300	11-3/8	285	60
* FSF/9/CP	30222	Chrome Plated Frame	12	300	12	300	11-3/8	285	60

* Best Seller

An ideal saw for the discerning craftsman and DIY enthusiasts

Used for cutting intricate shapes in wood

Blade can be turned to cut at any angle

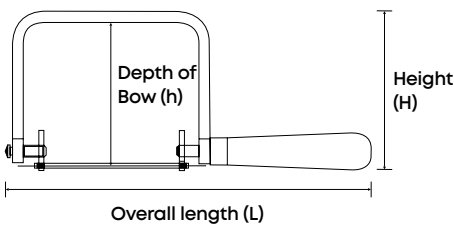
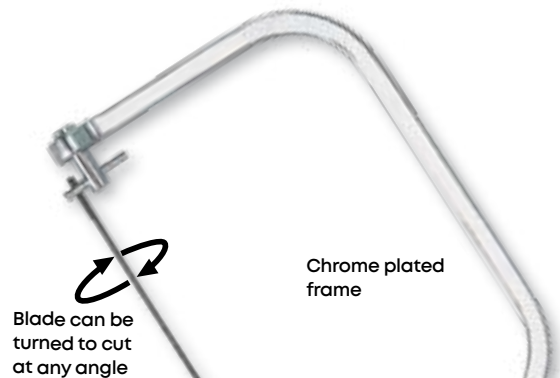
Required tension is achieved by turning the handle

Well designed wooden handle provides comfortable grip

Complete with a well set coping saw blade

Available in two finishes:

1. Blue powder coated
2. Premium chrome plated



ORDERING INFORMATION

CAT NR.	ORD NR.	DETAILS	OVERALL LENGTH (L)		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
			(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
CSF/10	30220	Blue Powder Coated Frame	12-3/4	320	5-7/16	136	5	125	80
* CSF/10/CP	30221	Chrome Plated Frame	12-3/4	320	5-7/16	136	5	125	80

* Best Seller

Piercing saws are used by skilled craftsmen in metalworking, jewellery and dentistry applications for precision profile cutting of thin metals, plastics etc.

These are available in 2 types:

a. Adjustable Piercing Saw

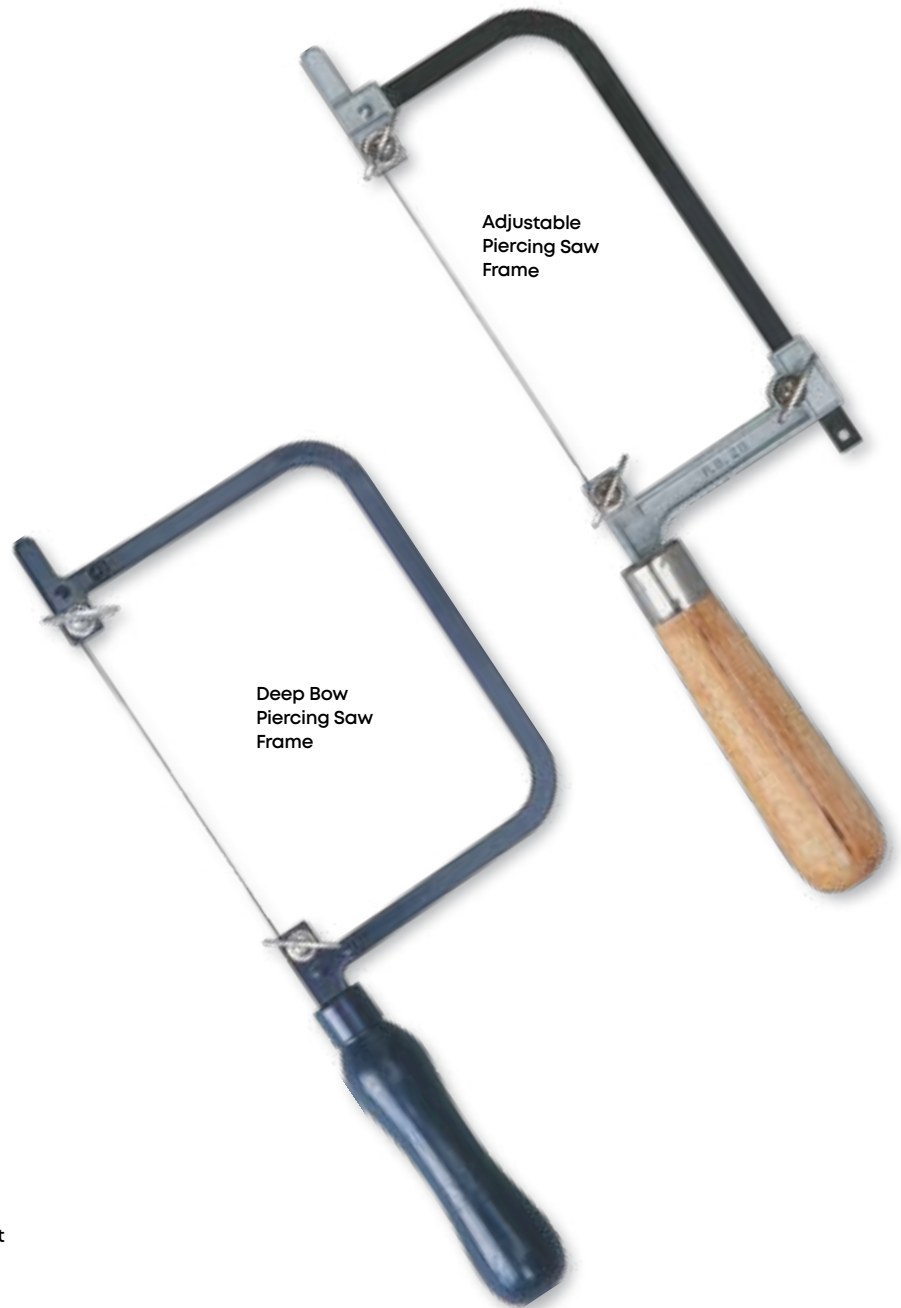
Frame:

Adjustable for different blade lengths, it is able to accommodate even broken blades thus extending blade life

b. Deep Bow Piercing Saw

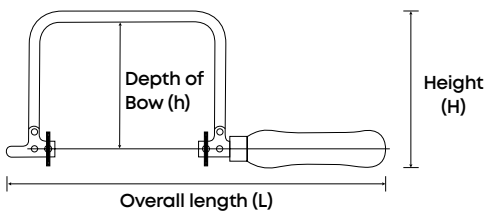
Frame:

Specially designed with a deeper bow, allowing use on applications that require larger depth



Adjustable Piercing Saw Frame

Deep Bow Piercing Saw Frame



ORDERING INFORMATION

CAT. NR.	ORD NR.	DETAILS	OVERALL LENGTH (L)		HEIGHT (H)		DEPTH OF BOW (h)		BOX QTY.
			(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
PSF/A/11	30200	Adjustable	13	325 (Max.)	3-11/32	85	2-3/4	70	120
PSF/8	30201	Deep Bow	12	300	4-1/2	115	3-3/4	95	120



Super efficient, shatter proof bi-metal blades:
High speed steel cutting edge electron beam welded to a tough spring steel back. Bi-metal construction provides optimum tool life and high resistance to breakage

High speed steel cutting edge with well formed tooth profile is precisely milled, hardened & tempered providing quicker, cleaner & efficient cuts

Cobalt enhances blade hardness to 66-68 HRC, providing higher wear resistance. Very useful for Nickel based alloys, high hardness steels & other solids

6 teeth chip removal cycle & individual tooth setting, promises nearly 30% more cutting power, cleaner cutting & also prevents teeth from binding in with material being cut

Blade Width

1/2" (12.5 mm)

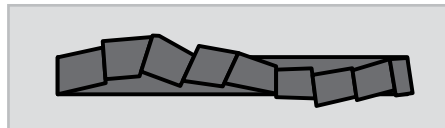
Blade Thickness

0.025" (0.63 mm)

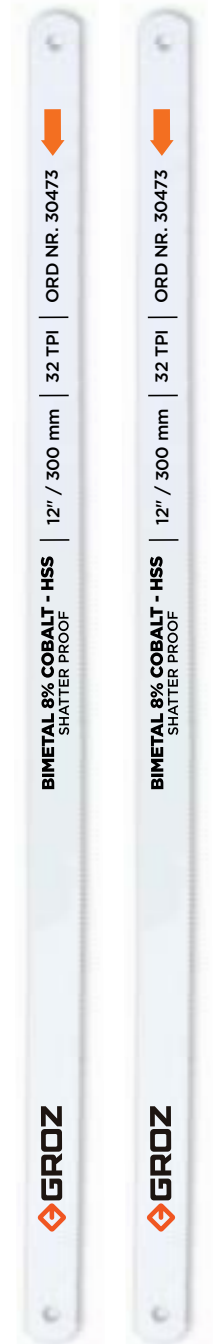
Sold as a pack of 10 Blades



30% more cutting power



Wavy Teeth Pattern with 6 teeth chip removal cycle for cleaner cutting
Prevents teeth from binding with material being cut



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH (CENTRE TO CENTRE)		TPI	BOX QTY.
		(INCH)	(MM)		
HB/BC/10/14/ST-10	30460	10	250	14	100
HB/BC/10/18/ST-10	30461	10	250	18	100
HB/BC/10/24/ST-10	30462	10	250	24	100
HB/BC/10/32/ST-10	30463	10	250	32	100
HB/BC/12/14/ST-10	30480	12	300	14	100
* HB/BC/12/18/ST-10	30481	12	300	18	100
* HB/BC/12/24/ST-10	30482	12	300	24	100
HB/BC/12/32/ST-10	30483	12	300	32	100

* Best Seller

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Hacksaw Blades

HB-C



Manufactured from high grade chrome alloy steel
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

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		TPI (THREADS PER INCH)	BOX QTY.
		(INCH)	(MM)		
HB/C/01/ST	30324	10	250	18	100
HB/C/02/ST	30325	10	250	24	100
* HB/C/03/ST	30326	12	300	18	100
* HB/C/04/ST	30327	12	300	24	100

* Best Seller



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Mini Saw Blades

MSB

Standard 6" (150 mm) long hardened mini saw blades

Unbreakable in normal use

Provide a handy and efficient means for cutting metals and other materials

Sold as a pack of 10 Blades

ORDERING INFORMATION

CAT NR.	ORD NR.	TPI (THREADS PER INCH)	SPECIFICATIONS	BOX QTY.
MSB/H/55/ST-10	30303	32	Useful for all metal working applications	300



69

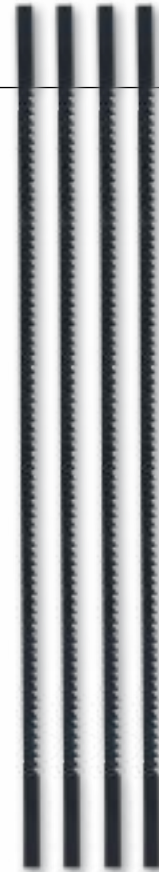
Coping Saw Blades

CSB

Manufactured from high quality steel heat treated to give the correct combination of hardness and toughness. Teeth 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



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		TPI (THREADS PER INCH)	BOX QTY.
		(INCH)	(MM)		
CSB/170/ST	30314	6-1/2	165	14	100

70

Fret Saw Blades

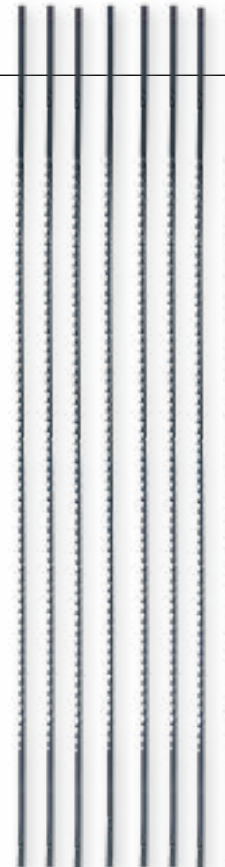
FSB

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



ORDERING INFORMATION

CAT NR.	ORD NR.	BLADE NR.	TPI (THREADS PER INCH)	BOX QTY.
FSB/3/ST	30357	3	18	100
* FSB/4/ST	30358	4	18	100
FSB/5/ST	30359	5	16	100
▶ FSB/6/ST	30360	6	16	100
* FSB/8/ST	30361	8	14	100
FSB/10/ST	30362	10	12	100
FSB/12/ST	30363	12	10	100

* Best Seller ▶ Comes as Standard with GROZ Fret Saw Frames



03

**VICES &
CLAMPS**

NEW!

Truly versatile multi-purpose vice, ideal for use both by mechanic's and professionals alike

SG iron movable jaw and slide accurately machined for smooth and reliable clamping

Jaws hardened 50±5 HRC for increased resistance to wear

Knurling on jaws ensures firm grip on the work piece

Integrated 360° swivel base with four point mounting for convenient usage in confined spaces or in applications where the angle of the vice has to be changed frequently

Rotating jaw head allows the selection of either a standard parallel serrated jaw or pipe jaws with an integral V-jaw assembly depending on the work in hand

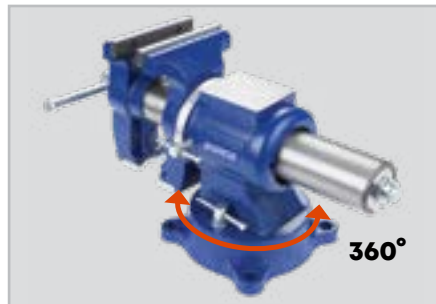
Pipe Jaw can hold pipes with diameter upto 2" (50 mm)

Jaw head can be pivoted 180° either sides and locked in position giving the user complete flexibility to adjust vice to any required working angle with ease

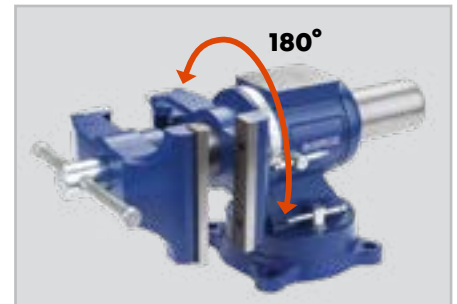
Knurling on jaw Hardened to 50 ±5 HRC



Pipe Jaw can hold pipes with diameter upto 2" (50 mm)



Integrated 360° swivel base



Rotating jaw head

ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		THROAT DEPTH		NET WEIGHT		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	(KG)	(LB)	
BV/MP/125	35477	5	125	5	125	2-3/4	70	15.50	34	1

Built to withstand the shocks of hammering, chipping and other tough applications

All steel construction

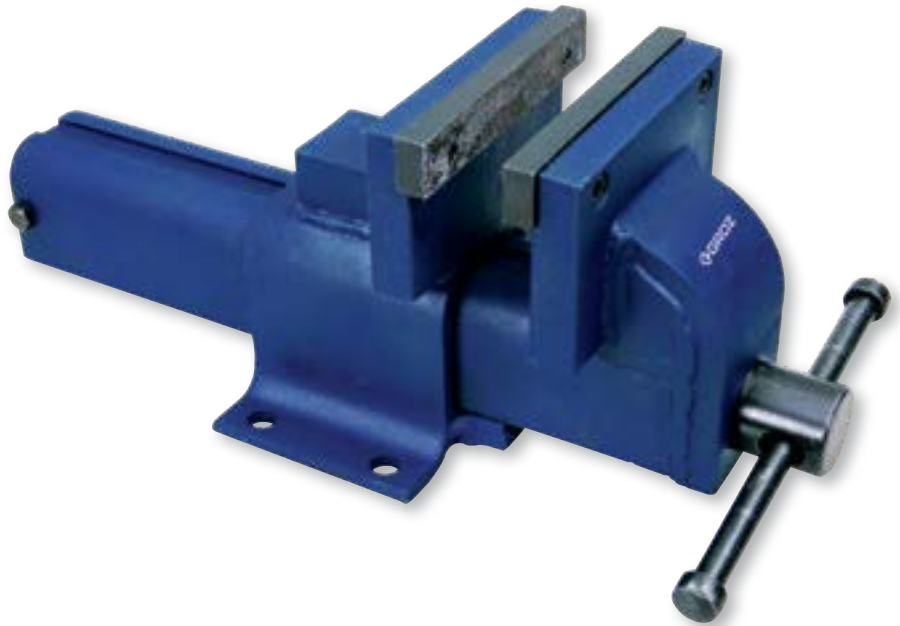
Fixed base vices with an integrated anvil for shaping and beating

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±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



ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		THROAT DEPTH		NET WEIGHT (KGS)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)		
EBV/F/100	35450	4	100	4-3/4	120	3-5/32	80	6.3	4
* EBV/F/150	35451	6	150	6	150	3-5/8	90	18.0	1
EBV/F/200	35452	8	200	8	200	4-3/8	110	37.5	1

* Best Seller



Rigid & robust cast vices with excellent shock bearing capacity and high strength under compression

Fully machined front jaw beam fully encloses vice spindle protecting threads from contaminants & damage

Unbreakable SG Iron nut ensures maximum thread surface contact and constant alignment between body and the sliding jaw

Perfect alignment of main screw and nut reduces wear and gives long trouble free service

Jaws hardened 45±5 HRC for increased resistance to wear

Knurling on jaws ensures a firm grip of the work piece

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

Based on application and need choose between

1. **Fixed Base**
2. **Swivel Base**

Vice can rotate 360° making it useful in confined spaces or in applications where the angle of the vice has to be changed frequently to accept work of varying lengths. The swivel base can be conveniently removed and the vice converted back to a regular fixed base vice

SPECIFICATIONS

TENSILE STRENGTH	20,000 PSI	1400 KGF/CM ²
------------------	------------	--------------------------

BV SERIES



Fixed Base Vices



Swivel Base Vices

These are available in 2 variants:

a. Heavy Duty Mechanic's BV Series Vices

The strong body, heavy slide jaw and large diameter main screw are designed to withstand tough usage in industrial applications and training workshops

ORDERING INFORMATION

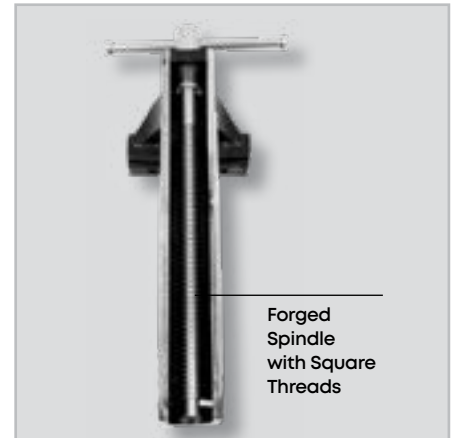
CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		THROAT DEPTH		NET WEIGHT (KG)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)		
FIXED BASE									
BV/F/75	35400	3	75	4	100	2	50	5.5	4
* BV/F/100	35401	4	100	5	125	2-5/32	55	9.7	3
BV/F/125	35402	5	125	6	150	2-3/4	70	14.7	2
* BV/F/150	35403	6	150	7	175	3-5/32	80	18.2	1
BV/F/200	35404	8	200	8	200	4	100	30.4	1
SWIVEL BASE									
BV/S/75	35405	3	75	4	100	2	50	6.5	3
BV/S/100	35406	4	100	5	125	2-5/32	55	11.8	2
* BV/S/125	35407	5	125	6	150	2-3/4	70	18.0	1
* BV/S/150	35408	6	150	7	175	3-5/32	80	22.0	1
BV/S/200	35409	8	200	8	200	4	100	36.4	1

* Best Seller

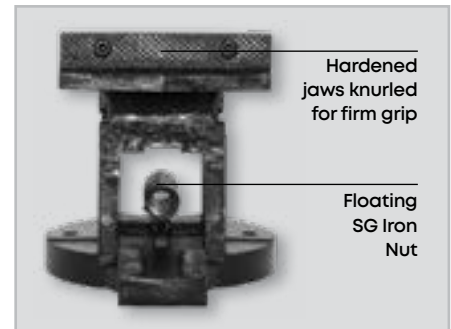
BNV SERIES



Fixed Base Vices

Forged
Spindle
with Square
Threads

Swivel Base Vices

Hardened
jaws knurled
for firm gripFloating
SG Iron
Nut

b. Mechanic's BNV Series Vices

- 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

ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		THROAT DEPTH		NET WEIGHT (KG)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)		
FIXED BASE									
* BNV/F/100	35471	4	100	4	100	2-9/32	58	7.0	3
BNV/F/125	35472	5	125	5	125	2-7/8	72	10.5	2
* BNV/F/150	35473	6	150	6	150	3-1/8	79	13.5	1
BNV/F/200	35474	8	200	8	200	3-9/64	80	21.5	1
SWIVEL BASE									
BNV/S/100	35481	4	100	4	100	2-9/32	58	8.0	2
BNV/S/125	35482	5	125	5	125	2-7/8	72	12.0	1
* BNV/S/150	35483	6	150	6	150	3-1/8	79	15.5	1
BNV/S/200	35484	8	200	8	200	3-9/64	80	24	1

* Best Seller



Low profile & compact vices are suitable for use with drill stands, bench drills and drill presses in metal and woodworking applications

Graded cast iron construction with precision ground base and vice bed

Fixed jaw with 3 longitudinal and 1 transversal prisms for firm gripping of round stock both horizontally and vertically

Special seat in jaws for clamping of low height work pieces

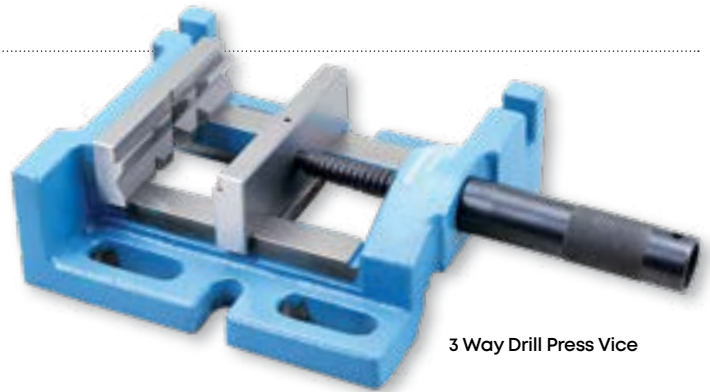
Spindle moves inside the hollow hand grip making the vice usable on any position across the table
Elongated clamping slots for rapid adjustment of the vice on the work table help save time



Drill Press Vice

3 Way Drill Press Vice

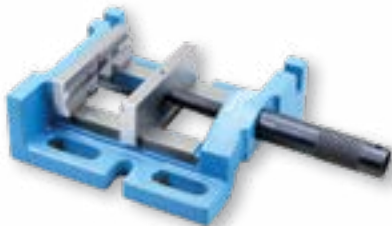
3 mounting options useful drilling along all axes with a single setting of the job and holding of long workpieces which are cumbersome and difficult to manage in regular vices



3 Way Drill Press Vice

3 MOUNTING OPTIONS

Precisely ground base and vice bed



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



ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		JAW DEPTH		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
DRILL PRESS VICES - UNIGRIP								
DPV/UG/75	35120	3-3/16	80	2-3/4	70	1-3/16	30	6
* DPV/UG/100	35121	4	100	3-5/8	92	1-3/16	30	4
* DPV/UG/125	35122	5	120	4-3/8	110	1-3/8	35	3
3 WAY DRILL PRESS VICE - UNIGRIP								
DPV/UG/3/100	35125	4	100	3-1/2	88	1-3/16	30	4

* Best Seller

Manufactured from high quality grey iron castings these vices are best suited for working on small jobs

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

Jaws tightened via large wing nut

Attractive enamelled finish with plated main screw


ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		JAW WIDTH		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
HV/75	35500	3	75	1-3/8	35	50
* HV/100	35501	4	100	1-9/16	40	50
HV/125	35502	5	125	2	50	30

* Best Seller



A range of compact vices for a wide variety of metal and woodworking applications

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 and machined to close tolerances results in smooth operation and reliability

Attractive enamelled finish with main screw and handle in chrome plated finish



These are available in 3 types

a. Hobbyist Vices with fixed and swivel bases:

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



Fixed base



Swivel base

b. Hobbyist Vices with an integrated clamp:

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



c. 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



ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		INTEGRATED CLAMP CAPACITY		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
FIXED BASE						
* TBV/FB/32	35510	1-1/4	32	--	--	40
TBV/FB/40	35511	1-5/8	40	--	--	24
TBV/FB/50	35512	2	50	--	--	24
TBV/FB/60	35513	2-3/8	60	--	--	12
TBV/FB/75	35514	3	75	--	--	10
SWIVEL BASE						
TBV/SB/32	35515	1-1/4	32	--	--	30
TBV/SB/40	35516	1-5/8	40	--	--	24
TBV/SB/50	35517	2	50	--	--	25
* TBV/SB/60	35518	2-3/8	60	--	--	10
* TBV/SB/75	35519	3	75	--	--	8
WITH INTEGRATED CLAMP						
TBV/C/32	35521	1-1/4	32	1-1/8	29	30
TBV/C/40	35522	1-5/8	40	1-3/8	35	30
TBV/C/50	35523	2	50	1-3/8	35	25
* TBV/C/60	35524	2-3/8	60	1-11/16	43	12
TBV/C/75	35525	3	75	1-3/4	45	8
TBV/C/100	35526	4	100	1-3/4	45	6
WITH SWIVEL BASE AND INTEGRATED CLAMP						
TBV/RC/50	35520	2	50	1-1/2	38	15

* Best Seller



Manufactured from SG iron with a tensile strength of over 60,000 PSI

Handle is designed to bend before the frame is overstressed

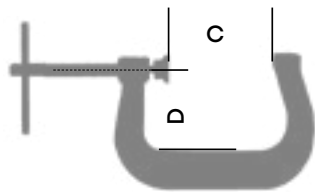
Steel main screw has ACME threads

Swivelling pad adopts the correct angle and applies even pressure on the work piece

Textured powder coated finish with spindle in black oxide finish


SPECIFICATIONS

TENSILE STRENGTH	60,000 PSI	4218 KGF/CM ²
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ORDERING INFORMATION

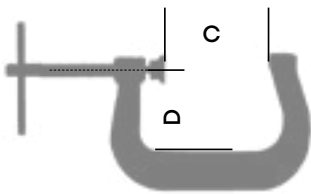
CAT NR.	ORD NR.	CAPACITY (C)		THROAT DEPTH (D)		FRAME PROOF LOAD		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(KGS)	(LBS)	
GCL/13D/50	35807	2	50	1-5/8	42	363	800	40
GCL/13D/75	35800	3	75	1-11/16	44	455	1000	20
*GCL/13D/100	35801	4	100	2-11/32	59	545	1200	20
*GCL/13D/150	35802	6	150	3	75	635	1400	15
GCL/13D/200	35803	8	200	3-1/8	80	775	1700	8
GCL/13D/250	35804	10	250	3-1/2	90	1000	2200	8
GCL/13D/300	35805	12	300	4	100	1135	2500	8

* Best Seller



Clamps are individually forged making them amongst the strongest junior G Clamps

Frames are powder coated & steel screws are zinc plated for increased resistance to corrosion



ORDERING INFORMATION

CAT NR.	ORD NR.	CAPACITY (C)		THROAT DEPTH (D)		FRAME PROOF LOAD		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(KGS)	(LBS)	
GCL/FSJ/1/N	35730	1	25	1	25	225	500	288
* GCL/FSJ/1-1-2/N	35732	1-1/2	38	1-1/2	38	385	850	192
* GCL/FSJ/0-2/N	35733	2	50	1-1/4	31	400	875	108
GCL/FSJ/2-1-2/N	35734	2-1/2	63	2-1/2	63	385	850	72
GCL/FSJ/0-3/N	35735	3	75	1-3/8	35	500	1100	84

* Best Seller



04

**WOODWORKING
TOOLS**

Bench Planes with an ideal combination of exacting tolerances & traditional standards of workmanship, design & performance

Robust grey cast iron base accurately machined & ground to high precision

Flatness of sole is maintained upto 0.003" (0.075 mm)

Spring steel cutter blade is hardened 55+5 HRC and can be honed easily 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

Also available with corrugated base - very useful for work on resinuous or sticky timbers



SP/3



JP/5



SP/4



FP/6



SP/4C



JP/7

ORDERING INFORMATION

CAT NR.	ORD NR.	TYPE	SUITABLE FOR	LENGTH		CUTTER WIDTH		BOX QTY.	
				(INCH)	(MM)	(INCH)	(MM)		
SMOOTH BASE PLANES									
SP/3	39700	Smoothing Plane	Final finishing work	9.1/2	240	1.3/4	45	12	
* SP/4	39701	Smoothing Plane	Final finishing work	10.1/4	260	2	50	12	
* JP/5	39702	Jack Plane	For heavy stock removal when preparing sawn timber prior to final finishing	14	355	2	50	10	
FP/6	39703	Fore Plane	Used for flattening and smoothening wider panels such as table tops and work bench tops	18	458	2.3/8	60	6	
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	6	
CORRUGATED BASE PLANES									
SP/3C	39705	Smoothing Plane	Final finishing work	9.1/2	240	1.3/4	45	12	
SP/4C	39706	Smoothing Plane	Final finishing work	10.1/4	260	2	50	12	
JP/5C	39707	Jack Plane	For heavy stock removal when preparing sawn timber prior to final finishing	14	355	2	50	10	

* Best Seller

Manufactured from high quality grey iron castings

Used for producing rabbeting cuts in door frames, windows, furniture & cabinet carcasses. Cuts rabbets both with & across the grain!

Plane has 2 positions for the cutter- rear position for regular rabbet work & the forward position for bull-nose work. In rear position cutter is adjustable for depth of cut

The Plane is fitted with:

Spur

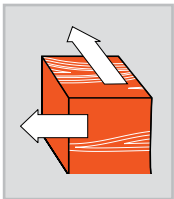
Flush with the base when cutting with the grain and brought into use by turning 90° when cutting across the grain while in this position it prevents tearing & splintering of wood which could occur when cutting across the grain

Adjustable Fence

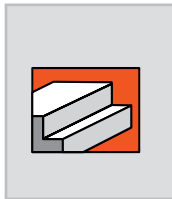
Can be fitted on either side of the plane

Depth Gauge

Removable & Adjustable upto 1/2" (12mm)



Cuts rabbets both with and across the grain



Makes rabbet cuts in wood for door frames, windows, furniture and cabinet carcasses

ORDERING INFORMATION

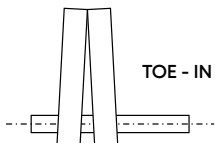
CAT NR.	ORD NR.	LENGTH		CUTTER WIDTH		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
DRFP/78	39730	8-1/2	212	1-1/2	40	6



Manufactured from close-grained grey cast iron for long trouble free service. Precision machined housings for 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

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 for easy fitment under the bench top so that jaws are flush with the bench top

Steel main screw has Buttress 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

Available in two types:

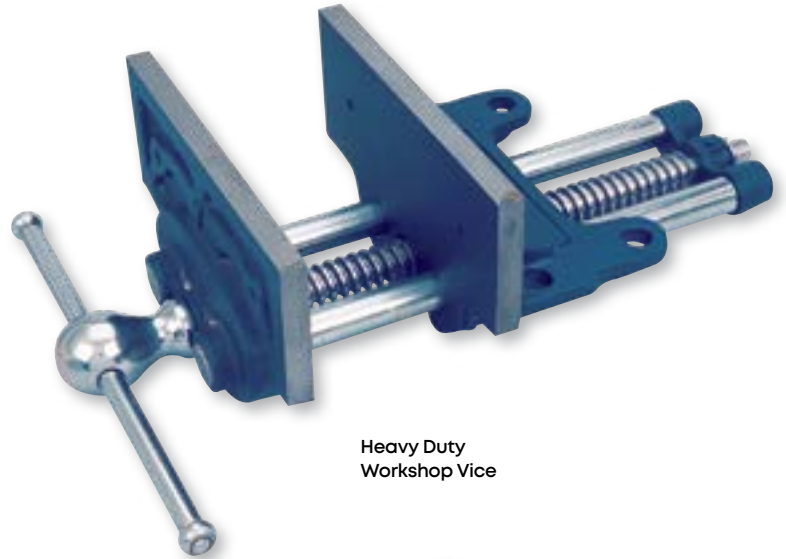
a. Heavy Duty

Full Size Workshop Vices

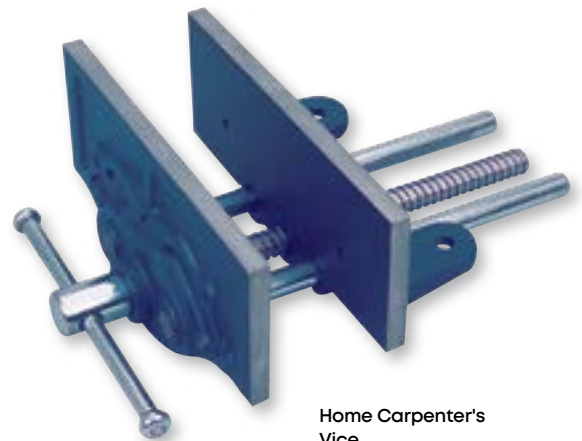
Especially useful for large sized jobs in workshops

b. Home Carpenter's Vices

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

ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		NET WT (KG)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
HEAVY DUTY FULL SIZE WORKSHOP VICES							
WWV/150	39000	6	150	4.1/2	115	2.300	12
* WWV/175	39001	7	175	8	200	7.250	3
WWV/225	39002	9	225	13	330	13.750	1
HOME CARPENTER'S VICES							
WWV/EC/175	39004	7	175	6	150	2.5000	6
WWV/EC/225	39005	9	225	9	225	5.5000	4

* Best Seller

Lightweight yet robust construction for new woodworkers, home DIY'ers and professional

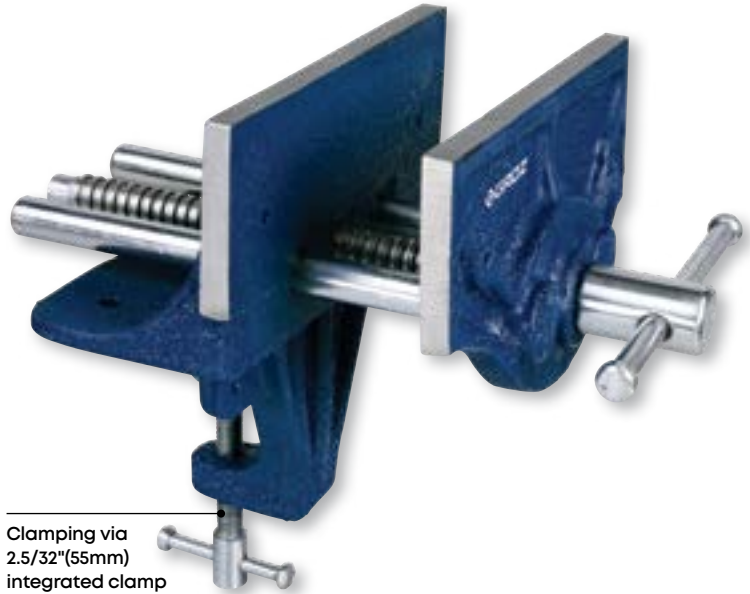
Dual clamping options:

- a. **Permanent clamping** on the workbench via clamping slots provided in the vice
- b. **Additional clamping** via the 2.5/32" (55mm) integrated clamp

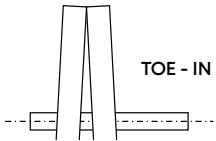
Manufactured from close grained cast iron

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



Clamping via 2.5/32" (55mm) integrated clamp



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



ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		NET WT. EACH (KG)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
* WWV/P/6	39006	6	150	4.1/2	112	2.750	8

* Best Seller



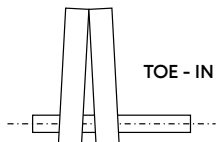
Traditional pattern woodworking vice equipped with the quick release mechanism

Press trigger to initiate quick action: front jaw slides freely allowing large or small work pieces to be interchanged smoothly. Release trigger to return to normal mechanism for fine adjustments

Works as a normal vice & a tail vice: Adjustable front dog used in conjunction with a bench stop allows oversized work pieces to be held securely

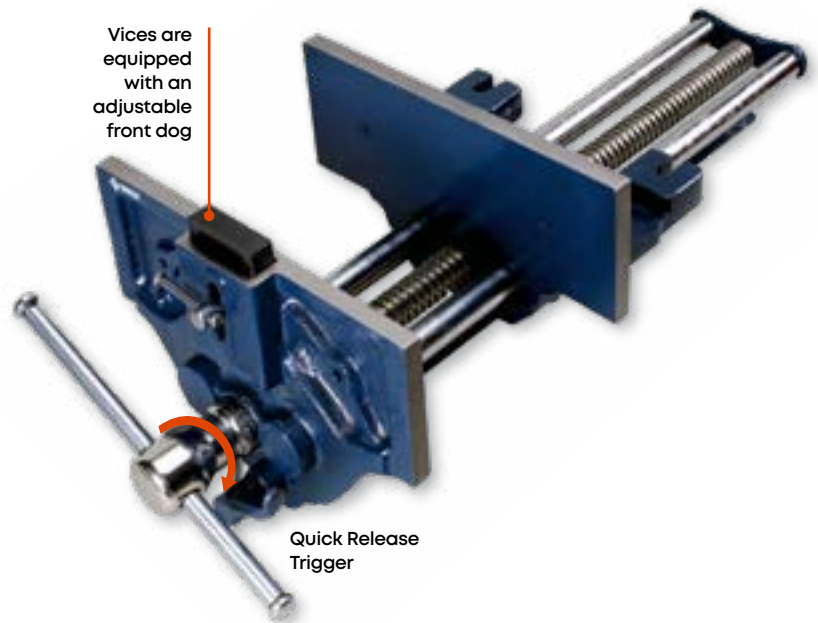
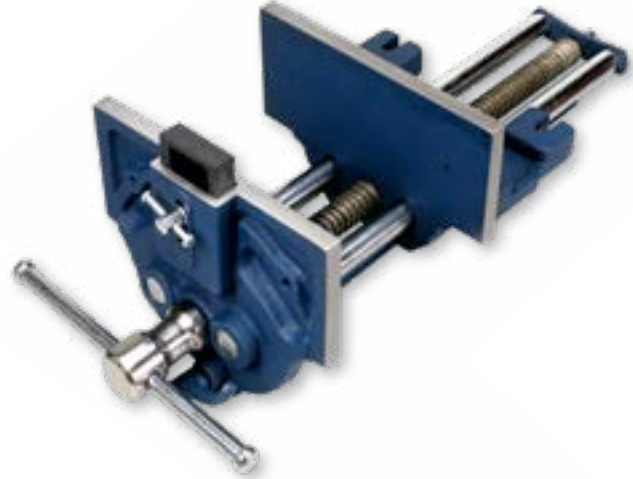
Manufactured from close-grained grey cast iron. Accurately machined housings for smooth sliding movement and true parallel action free of side or cross movement

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



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



ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		NET WT (KGS)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
WWV/D/Q/7	39007	7	175	8	200	8.0	3
* WWV/D/Q/9	39009	9	225	13.1/2	340	14.5	1
WWV/D/Q/10.5	39014	10.1/2	270	16	400	17.8	1

* Best Seller



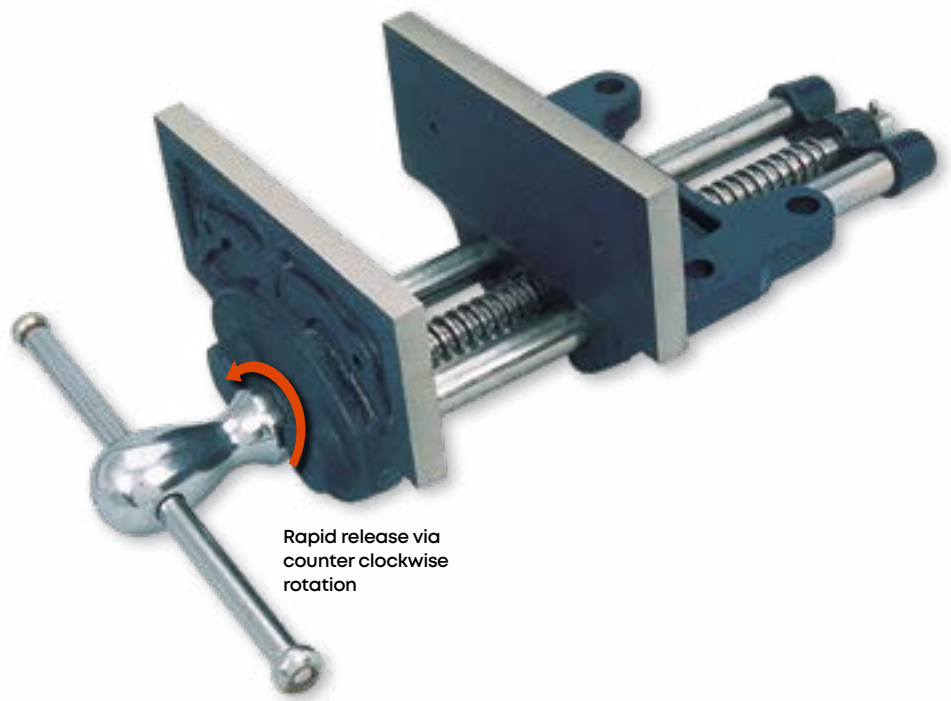
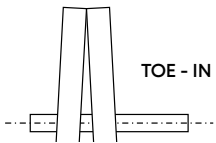
Rapid action mechanism which is unique and different from the conventional quick release mechanism

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

Manufactured from close grained grey cast iron

Accurately machined housings for smooth sliding 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



Main screw has Butress threads for smooth, accurate and responsive adjustment



ORDERING INFORMATION

CAT. NR.	ORD NR.	JAW WIDTH		JAW OPENING		NET WT (KG)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
WWV/R/7	39011	7	175	8	200	7.250	3
* WWV/R/9	39012	9	225	13	330	13.750	1

* Best Seller



Used by wood-workers to make their own vice assemblies & on work benches

Strong and robust casting. Cast iron handle socket

Precision rolled threads and twin guides are easy to use and distortion free

Complete with wooden handle


ORDERING INFORMATION

CAT NR.	ORD NR.	JAW WIDTH		JAW OPENING		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
WWV/F/7	39020	7.1/8	181	8.1/4	210	5

Manufactured from "K" section steel profiled to minimize flexing & bending

Quickest adjustment mechanism - simply lifting the aluminium die-cast handle allows the sliding jaw to be moved anywhere on the rail

Four hardened rollers in the moving head maintain a constant 90° angle under load

Clamp jaws are encased in non-marring, glue resistant polypropylene casing

Throat Depth (T)

3-11/32" (85 mm)

Width of clamp face (W)

1-7/16" (37 mm)

Section

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



5/8" (16 mm)

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



PCB/4/ST

Set of 4 Parallel Blocks. These are useful for efficient & accurate set up of raised panels, window & door frames, boxes etc.

ORDERING INFORMATION

CAT NR.	ORD NR.	CLAMPING CAPACITY		BOX QTY.
		(INCH)	(MM)	
KBC/12	39180	12	300	10
* KBC/24	39181	24	600	10
KBC/31	39182	31	775	5
* KBC/40	39183	40	1000	5
KBC/50	39184	50	1250	5
SET OF 4 PARALLEL CLAMP BLOCKS				
PCB/4/ST	39190			10

* Best Seller



Useful for clamping large section workpieces during fabrication, gluing in joinery, carpentry and boat building

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

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 (T)
2" (50 mm)

Width Of Clamp Face (W)
1-3/16" (30 mm)



ORDERING INFORMATION

CAT NR.	ORD NR.	BAR LENGTH		CAPACITY		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
SBC/24	39110	24	600	18	450	10
SBC/30	39111	30	750	24	600	10
* SBC/36	39112	36	900	30	750	10
* SBC/42	39113	42	1050	36	900	10
* SBC/48	39114	48	1200	42	1050	10
SBC/54	39115	54	1350	48	1200	10

* Best Seller



Manufactured from drawn steel with a section of 1-1/4" x 1/4" (32 mm x 6 mm)

Equally spaced holes along the entire length for clamping of a vast range of sizes

Rigid and robust malleable iron head and slide can be easily reversed on the bar allowing both internal as well as external clamping

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.



Duo Bar used for internal clamping

Throat Depth (T)

2.1/8" (55 mm)

Width of clamp face (W)

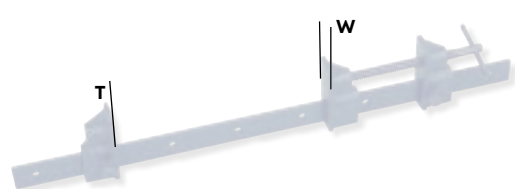
1.3/16" (30 mm)



ORDERING INFORMATION

CAT NR.	ORD NR.	BAR LENGTH		EXTERNAL CAPACITY		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
DBC/24	39130	24	600	18	450	10
DBC/30	39131	30	750	24	600	10
* DBC/36	39132	36	900	30	750	10
* DBC/42	39133	42	1050	36	900	10
* DBC/48	39134	48	1200	42	1050	10
DBC/54	39135	54	1350	48	1200	10

* Best Seller



Designed for applications that require extra resilience under extreme pressure

1" x 7/8" cold drawn T section for high resistance to bending

Malleable iron head and slide allow these clamps to be used in extra heavy duty applications

Rolled Acme threads on main screw for smooth movement and increased resistance to wear

Sliding head is fastened to the T Bar by inserting a steel pin through any of the locating holes on the bar


Throat Depth (T)

1-7/8" (48 mm)

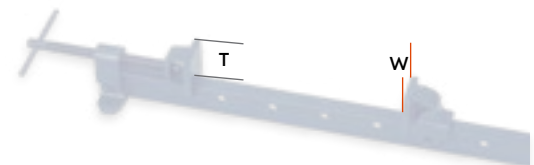
Width of clamp face (W)

2-1/8" (54 mm)


ORDERING INFORMATION

CAT NR.	ORD NR.	BAR LENGTH		CAPACITY		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
TBC/3	39100	36	900	30	750	5
* TBC/4	39101	48	1200	42	1050	5
* TBC/5	39102	60	1500	54	1350	5
* TBC/6	39103	72	1800	66	1650	5
TBC/7	39151	84	2100	78	1980	5
TBC/8-11-16	39152	96	2400	90	2250	5

* Best Seller



90

**Cramp
Head Set**

CHST

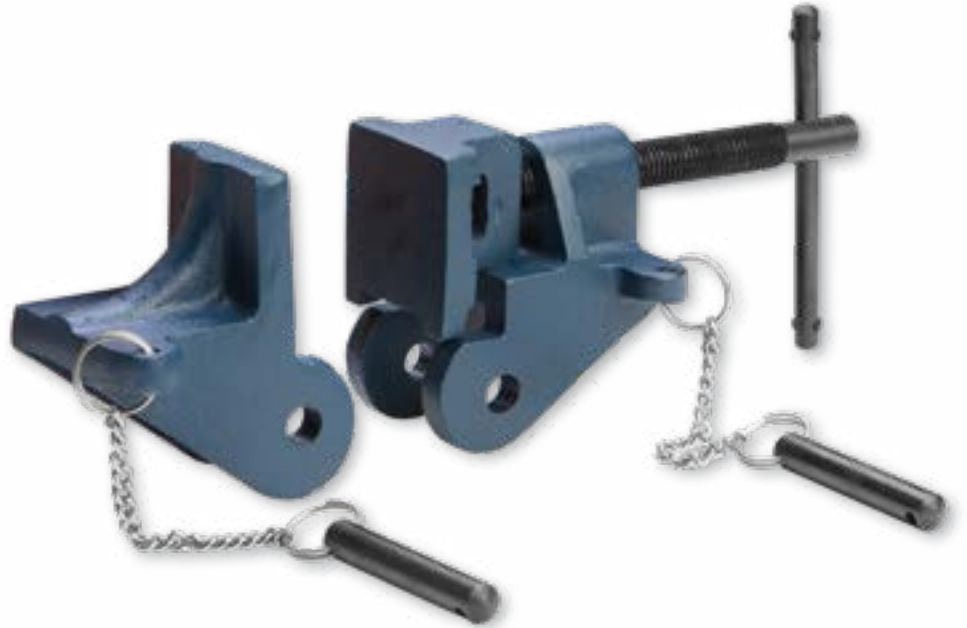
Cramp heads are a low cost alternative to full size Bar Clamps

Cast iron head & slide with tapered clamping face ensure maximum clamping force without slippage

High quality steel handle & screw with machined threads for smooth movement & quick clamping

Selected steel clamping bolts are wear resistant & extra durable

A bar clamp of any length can be made by using a piece of timber 1" (25 mm) thick



ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
CHST/25-25	39120	15





05

**AUTOMOTIVE TOOLS &
ACCESSORIES**

91

Tyre Levers

TLVR

Professional quality straight pattern tyre levers with hook & taper

Forged from Carbon Steel

Nickel plated for protection against corrosion

Designed to work without damaging the tyre, rim or inner tube



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
TLVR/16	33180	16	400	40
TLVR/21	33181	21	530	30
TLVR/24	33182	24	600	25



92

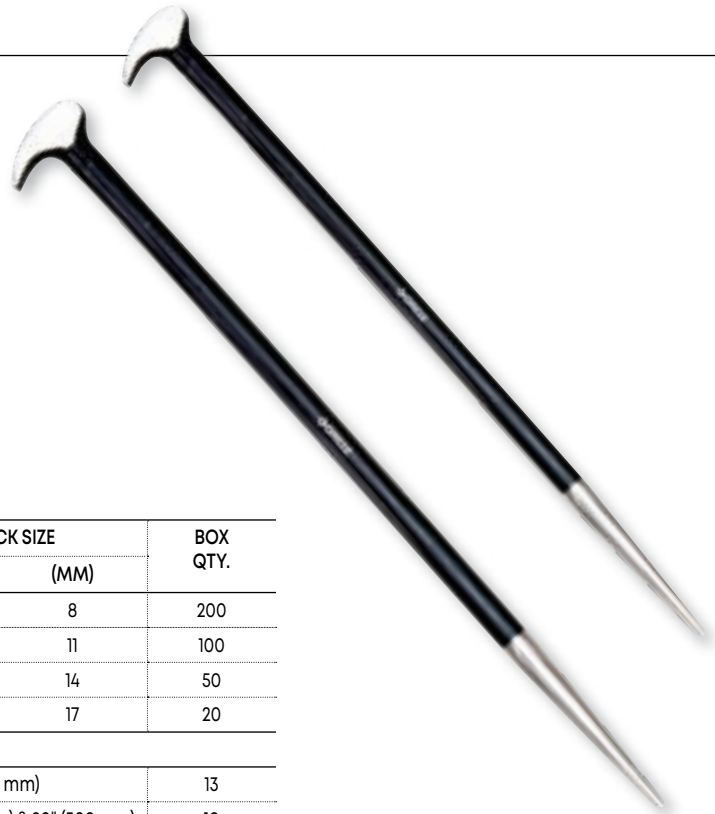
Roll Head/Lady Foot Pry Bars

PRY

Fully forged from Chrome Steel, these are hardened (38-43 HRC) & tempered

Specifically designed for heavy prying & fulcrum prying in automotive applications

The tapered end is useful for aligning applications



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		STOCK SIZE		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
PRY/6	33150	6	150	5/16	8	200
* PRY/12	33151	12	300	7/16	11	100
* PRY/16	33152	16	400	9/16	14	50
PRY/20	33153	20	500	11/16	17	20
SET						
PRY/3/ST	33155	3 Pc Set: 12" (300 mm), 16" (400 mm) & 20" (500 mm)				13
PRY/4/ST	33154	4 Pc Set: 6" (150 mm), 12" (300 mm), 16" (400 mm) & 20" (500 mm)				10

* Best Seller

NEW!

Manufactured from square section steel for heavy prying applications

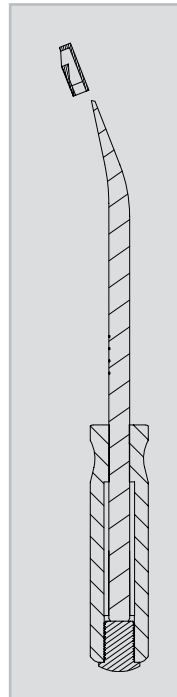
Hardened 38-43 HRC for increased resistance to wear

Blade runs through the handle to form an end cap providing a solid striking surface

Metal striking cap allows hammering without any damage to the handle

Rust inhibiting black oxide finish

Composite material LDPE & EVA handle provides durability, comfort & reduces fatigue



Blade is connected to the end cap



Metal Striking Cap



ORDERING INFORMATION

CAT. NR.	ORD NR.	LENGTH		SECTION		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
HPR/8	33120	8	200	1/4	6	30
★ HPR/12	33121	12	300	7/16	11	30
★ HPR/18	33122	18	450	7/16	11	15
★ HPR/24	33123	24	600	1/2	13	10
HPR/32	33124	32	800	1/2	13	10
HPR/36	33125	36	900	5/8	16	10
◆ HPR/42	33126	42	1066	5/8	16	5
◆ HPR/58	33127	58	1473	5/8	16	5
SETS						
HPR/3/ST	33130	3 Pc Set: 12" (300 mm), 18" (450 mm) & 24" (600 mm)				10
HPR/4/ST	33131	4 Pc Set: 8" (200 mm), 12" (300 mm), 18" (450 mm) & 24" (600 mm)				10
HPR/4A/ST	33132	4 Pc Set: 12" (300 mm), 18" (450 mm), 24" (600 mm) & 32" (800 mm)				6
HPR/6/ST	33133	6 Pc Set: 8" (200 mm), 12" (300 mm), 18" (450 mm), 24" (600 mm), 32" (800 mm) & 36" (900 mm)				4

◆ New ★ Best Seller

Heavy duty Bars forged from chrome alloy steel

Heat treated 38-43 HRC hardened body resists bending

Prying end is on one side with lining up end on the other

Available with a round section or hexagonal section, in bright zinc plated finish



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		STOCK SIZE/ HEX (A/F)		FINISH	BOX QTY.	
		(INCH)	(MM)	(INCH)	(MM)			
ROUND SECTION BARS								
CAT/16	33169	16	400	5/8	16	Zinc Plated	50	
* CAT/18	33170	18	450	5/8	16	Zinc Plated	40	
* CAT/24	33171	24	600	3/4	19	Zinc Plated	20	
CAT/30	33172	30	750	7/8	22	Zinc Plated	10	
CAT/36	33173	36	900	7/8	22	Zinc Plated	10	
CAT/48	33176	48	1200	1	25	Powder coated	6	
CAT/54	33177	54	1350	1	25	Powder coated	5	
SET								
◆ CAT/18-24-30/ST	33179	3 Pc Set: 18" (450 mm), 24" (600 mm) & 30" (750 mm)						10
HEXAGONAL SECTION BAR								
* CAT/H/16/CP	33175	16	400	5/8	16	Zinc Plated	40	

◆ New * Best Seller

Forged from Chrome Molybdenum steel, the indexing head & gears are heat treated 45-52 HRC making them wear resistant and ideal for high strength applications

Push button indexing head allows user to easily change the head position, maximizing the leverage point to get the job done

Double Push Lock Mechanism with head indexable through 180° & 11 locking positions for unmatched access

Double push lock safety feature prevents accidental unlocking of head

Meets & exceeds ASME specifications

Rust inhibiting & durable industrial Manganese Phosphate Finish

Ideal for use in

- Engine re-positioning and placement
- Aligning steel components
- Removing bearing from housing
- Re-positioning of intricate parts in heavy equipment etc.



Head indexes through 180° for optimized leverage point

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
IPRY/8	33190	8	200	50
IPRY/16	33191	16	420	30
IPRY/24	33192	24	600	12
IPRY/33	33193	33	830	6



Forged from high quality Chrome Steel

Accurately hardened 38-45 HRC and tempered so that the pin will withstand continuous use.

Working ends are accurately ground

Punch Body extends through the handle and connects with the end cap to provide a solid striking surface

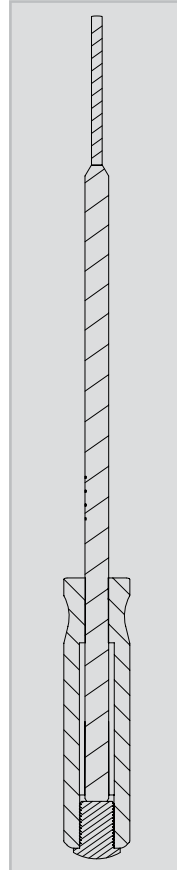
Metal striking cap allows hammering without any damage to the handle

Composite material handle made of LDPE & EVA for safety, comfort & reduced fatigue.

Designed to remove drift pins, roll pins, clevis pins, spring pins, dowel pins etc.

Overall length (L): 16" (400 mm) for easy access in hard to reach areas

NEW!



Blade is connected to the end cap



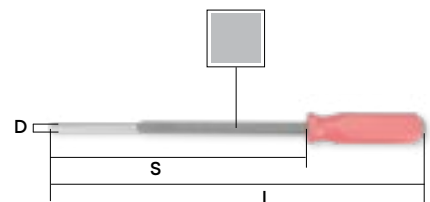
Metal Striking Cap



ORDERING INFORMATION

CAT NR.	ORD NR.	PIN DIAMETER (D)		PIN SIZE (S)		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
HPP/1-4	33145	1/4	6	7/16	11	50
HPP/5-16	33146	5/16	8	7/16	11	50
HPP/3-8	33147	3/8	10	7/16	11	50
* HPP/3/ST	33148	Set of above Extended Reach Pin Punches				14

* Best Seller





Light weight yet strong machined Aluminium body with knurling for non-slip grip

Anodized finish for super bright look

Shaft is manufactured from tool steel & heat treated to withstand tough bends, excessive torque & tool abuse

Available as:

- Single piece with double sided working ends
- Selection of sets



KIT/HKP/4/ST

4 piece set in Standard 6" (150 mm) Length

KIT/HKP/5/ST

5-piece Value set in Standard 6" (150 mm) Length. Includes one threaded body & 4 interchangeable threaded shafts

ORDERING INFORMATION

CAT NR.	ORD NR.	CONSTITUENTS						BOX QTY.
		STRAIGHT PICK	35° PICK	COMBINATION PICK	DOUBLE ANGLE PICK	90° PICK	180° HOOK	
KIT/HKP/4/ST	03251	Yes	Yes			Yes	Yes	100
KIT/HKP/5/ST	03252	Yes	Yes			Yes	Yes	150
KIT/HKP/6L/ST	03254	Yes	Yes	Yes	Yes	Yes	Yes	50
KIT/HKP/4L/ST	03253	Yes	Yes			Yes	Yes	50
HKP/01	03250				Yes		Yes	500

NEW!



9-3/4" (250mm)

KIT/HKP/6L/ST

6 piece set in Extended Reach 9-3/4" (250 mm) length



9-3/4" (250mm)

KIT/HKP/4L/ST

4 piece set in Extended Reach 9-3/4" (250 mm) length



9-1/2" (240mm)

HKP/01

Double Sided unit 9-1/2" (240 mm) long



Hook & Pick Sets With Cushion Grip

Hook & Pick Sets With Cushion Grip

Extended reach hook & picks designed for reaching confined spaces and to get the job done with ease.

Heat-treated tool steel shaft hardened 50-58 HRC

Lightweight aluminum handle for convenient handling

Cushion grip handle for added comfort and leverage

Hook and picks are used for:









- Separating wires
- Removing fuses
- Removing "O" rings
- Retrieving washers
- Replacing Springs
- Removing Cotter pins
- Access around wiring, hoses, and other engine bay obstacles
- Scribing on Metal/Wooden Surfaces



KIT/HKP/C/4L/ST

4 piece set in extended reach 9-3/4" (250 mm) Length

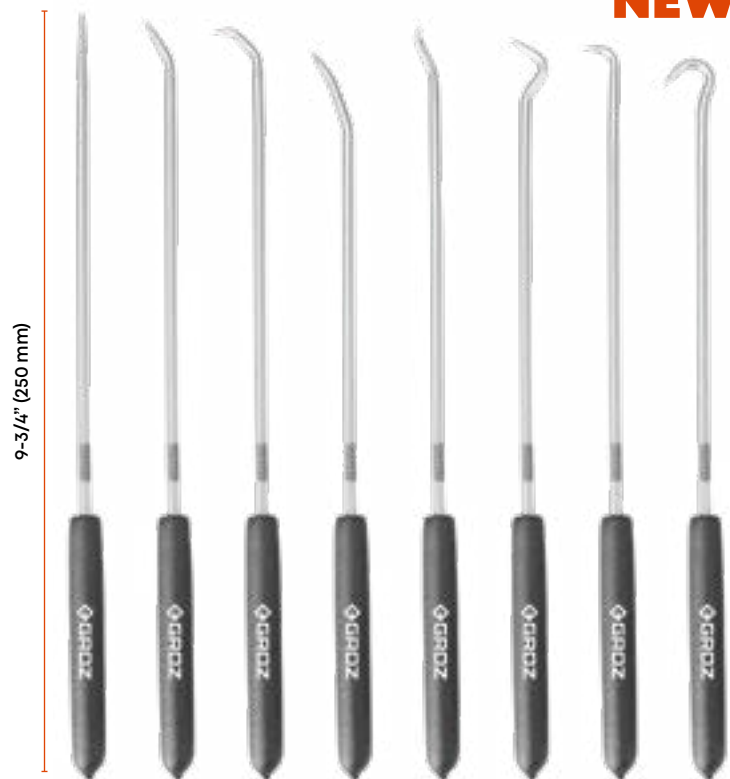
ORDERING INFORMATION

CAT NR.	ORD NR.	CONSTITUENTS								BOX QTY.
		STRAIGHT PICK	COMPLEX PICK	ANGLE/C PICK	COMBINATION PICK	45° PICK	DOUBLE ANGLE PICK	90° PICK	180° HOOK	
										
KIT/HKP/C/4L/ST	03260	Yes	Yes					Yes	Yes	50
KIT/HKP/C/6L/ST	03261	Yes	Yes		Yes		Yes	Yes	Yes	50
KIT/HKP/C/8L/ST	03262	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	50

NEW!



KIT/HKP/C/6L/ST
6 piece set in extended reach
9-3/4" (250 mm) Length



KIT/HKP/C/8L/ST
8 piece set in extended reach
9-3/4" (250 mm) Length



99

**Screw
Extractor Set**

SCE

CrMo

Manufactured from Chrome
Molybdenum Steel

5 pc Screw Extractor Set with
drill sizes: 3-6, 6-8, 8-11, 11-14 &
14-18 mm

Ideal for removing broken
stubs, pipes, screws & bolts

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
SCE/5	09355	150



Pullers are used for external & internal pulling of gears, bearings etc.

Forged chrome vanadium jaws with long & short reach options

Heat treated alloy steel cross bolt & head for maximum strength

Rolled spindle threads for higher strength & smooth movement even under high stress

Available in two versions:

- a. 2 Jaw models are useful for working in compact spaces
- b. 3 Jaw option ensures equal load distribution to slide gears, pulleys & flywheels off shaft without damage



2 JAW



3 JAW

ORDERING INFORMATION

CAT NR.	ORD NR.	MAX. REACH		SPREAD RANGE		SAFE WORKING LOAD (TON)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
2 JAW							
BPL/2J/3	36020	3	75	1 - 7/16	37-75	2	25
* BPL/2J/4	36021	4	100	2 - 4	50-100	4	20
* BPL/2J/6	36022	6	150	3 - 6	75-150	6	10
BPL/2J/8	36023	8	200	4 - 8	100-200	10	6
3 JAW							
BPL/3J/3	36030	3	75	1 - 7/16	37-75	3	25
* BPL/3J/4	36031	4	100	2 - 4	50-100	6	20
* BPL/3J/6	36032	6	150	3 - 6	75-150	9	8
BPL/3J/8	36033	8	200	4 - 8	100-200	15	4

* Best Seller



3 Jaw Puller used for removing tyre hub

101 Quick Change Ratcheting Gear Pullers BPL-RT

Quick & convenient to use
Gear Puller upto **5X faster** than traditional pullers

Jaws forged from Chrome Molybdenum steel with accurate heat treatment for enhanced strength & wear resistance

Jaws are chrome plated with spindle in manganese phosphate finish for protection against corrosion & rust

Versatility: Easily removable jaws for setting to required jaw configuration with internal/ external setting

Anti-slip grip: Serrations on the jaws for better grip on the bearing

Easy Access: Slim profile of jaws enables convenient access to hard to reach bearings & gears

Ratcheting mechanism holds jaws in position while setting puller

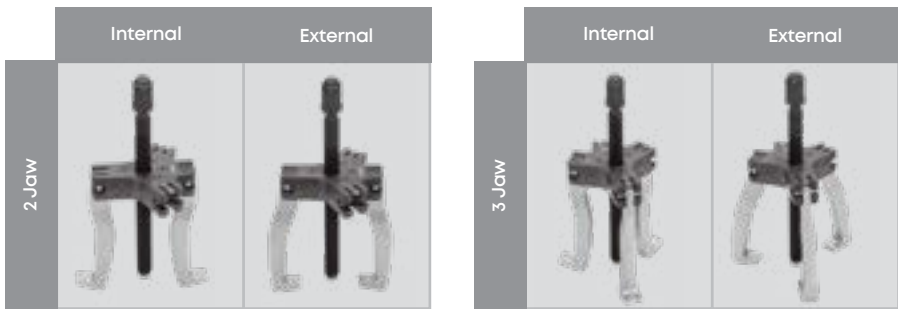
Speed

Quick & convenient conversion from 2 to 3 jaw configurations. Jaws can also be reversed for internal or external pulling of gears & bearings

Used to pull out gears, pulleys, bearing flanges & fly wheels, shafts and housings



- ✓ SPEED
- ✓ ACCESS
- ✓ STRENGTH
- ✓ VERSATILITY



Easy switch between 2 Jaw & 3 Jaw options. No extra tools required.

ORDERING INFORMATION

CAT NR.	ORD NR.	MAX. REACH		SPREAD		SAFE WORKING LOAD (TON)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
BPL/RT/2T	36040	3.1	80	2.0 - 3.1	50 - 80	2	20
* BPL/RT/5T	36041	6.0	150	3.9 - 6.0	100 - 150	5	15
BPL/RT/7T	36042	8.6	218	4.9 - 8.6	125 - 218	7	3

* Best Seller

NEW!

Aluminium I-beam handle for increased strength

Non marring nylon belt prevents scratching and damage to finished surfaces

Use on plastic or metal pipes & fittings, filters, shafts and irregular shapes.

Easily replaceable strap with removable pin

Strap available as spare



STW/12G

Removable pin design for quick strap change



STW/18G

Longer handle provides upto 50% higher torque



Used on plastic or metal pipes



Used on irregular shaped objects



Used on oil filters in automobiles



Used on filters on industrial machinery

ORDERING INFORMATION

CAT NR.	ORD NR.	HANDLE LENGTH		STRAP LENGTH		STRAP WIDTH		FOR OBJECTS WITH DIA.		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
STW/12G	62009	12	300	36	914	1-1/16	27	7	175	25
STW/18G	62014	18	450	34	864	1-3/4	44	7	175	20

103

Brass Hammers

BRH

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



ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD WT.			BOX QTY.
		(OZ)	(LB)	(KG)	
* BRH/6OZ	32490	6	-	0.170	80
* BRH/1	32491	-	1	0.450	40
BRH/2-1-2	32492	-	2-1/2	1.140	15
BRH/3	32493	-	3	1.360	16
BRH/4	32494	-	4	1.820	10

* Best Seller

104

Draw Bar Hammer

DBH

A dual purpose hammer with a solid Brass head on one side and a 3/4" socket on other

Soft blow brass hammer head is replaceable and is very useful for hammering soft materials, loosening of collets and spindle tapers

The socket end fits 3/4" bolts on vertical mills

The 10" long handle with a soft cushion grip provides convenient leverage

3/4" Socket

Replaceable Brass Head



ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		SOCKET SIZE	BOX QTY.
		(INCH)	(MM)		
DBH/3-4	32485	10-21/32	270	3/4"	10



Draw Bar Hammer - being used to loosen a nut on a pulley drive

The GROZ Hydraulic Bottle Jacks come with a "Load Limiting Device" a unique safety feature to make sure that the jack is not accidentally used beyond the rated capacity

Leak-Proof Performance

Welded construction ensures leak proof performance

Higher Stability

Forged steel base plate imparts higher stability even under high load as compared to jacks with CI base plates

Increased Durability

Due to internally machined oil passages, smooth bearing surfaces and close tolerances

Machined and polished RAM with die cut threads that reduce wear and tear

Powder coated 2 piece lifting lever rod with pressed ends for convenient opening & closing of pressure release valve

Stronger Grip

Knurled heat treated saddle head with non-slip surface gives stronger grip

100% factory tested
50% safety overload factor

Ideal for use on heavy duty trucks, agriculture, construction, mining, automotive, and marine applications where lifting, pushing, spreading, bending, pressing, or straightening is required

Knurled saddle head for non-slip grip

Leak Proof welded construction

Convenient carrying handle

Compact 2 pc lifting lever rod

Pressure release valve

Base Plate

Machined and polished ram

Pump socket

Leak proof welded construction

Load limiting device





VARIANTS



ORDERING INFORMATION

CAT NR.	ORD NR.	LIFT RANGE		CAPACITY		IDEAL FOR USE WITH	BOX QTY.
		(MM)	(INCH)	(TON)	(KG)		
JACK/BT/2W	61710	175 - 339	7 to 13-11/32	2	1815	Passenger Cars, Taxi's etc.	6
JACK/BT/4W	61711	190 - 368	7 7/16 to 14-13/16	4	3629	Passenger Cars, Taxi, Pick-Up Trucks, SUV's, MUV's, Vans, LCV's, Mini Trucks	4
★ JACK/BT/12W	61714	230 - 465	9-1/16 to 18-5/16	12	10886	HCV, Trucks (9-24 ton), Buses	3
★ JACK/BT/20W	61715	240 - 450	9-7/16 to 17-11/16	20	18144	HCV, Trucks (24 - 40 ton)	2
JACK/BT/32W	61716	260 - 420	10-5/16 to 16-9/16	32	29030	Trailers, Dumpers (40 - 60 ton), RV's	1
JACK/BT/50W	61717	280 - 450	11 to 17-11/16	50	45359	Dumpers (60 - 120 tons)	1

◆ New ★ Best Seller

106

Hydraulic Floor Jack 3 Ton

JACK-FL



Construction

Extra heavy duty steel body for ultimate stability and rigidity

Large, swivelling saddle for convenient positioning of jack. Rubber cushioning on saddle prevents damage to vehicle lift points

Strong steel wheels for ease of use in rough workshop environment

2 piece handle for ease of use and reduced operator fatigue. Protective sleeve on the handle prevents accidental damage to vehicle panels during use

Safety

Universal joint release mechanism for safe and controlled lowering of the jack

Built-in safety valve protects against overloading of jack @ 120% of rated capacity

Hydraulic oil by-pass system protects ram from being over extended

Performance - 3X Faster Performance

Fast lifting design for quick jump start to reach lifting point

Quick START

3X FASTER

Fast lifting design for quick jumpstart to reach 'lifting point'



Comparing the GROZ quick start hydraulic floor jack with a standard floor jack in the market

AT STROKE 0

AFTER 1ST STROKE

AFTER 6TH STROKE



After the 1st stroke, The GROZ Quick Start Hydraulic Floor Jack moves up 3 times more than the standard jack

In 6 strokes, the GROZ Hydraulic Floor Jack reaches lifting point whereas the standard Floor Jack is still way behind

ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSIONS		BOX QTY.
		(INCH)	(MM)	
JACK/FL/3D	61750	27x13-1/2x6-1/8	682x344x155	1

SPECIFICATIONS

WEIGHT	33 KG	72.6 LBS
LIFT RANGE	5-1/4 to 18-1/4 INCH	133-465MM



SCAN TO WATCH

Hexagonal keys are most widely used in automotive workshops, garages & in several industrial applications

GROZ offers a wide range of hex key sets for use by mechanic's and technicians worldwide

These are available in two material types:

S2 STEEL:

Superior S2 steel construction. Hardened and tempered with corrosion resistant bright nickel plating

Hardness: 50-52 HRC



ALN/HX-BL/7L/GRZ

7 Hex Keys With Ball End -

Long - Metric

ORD NR. 36101

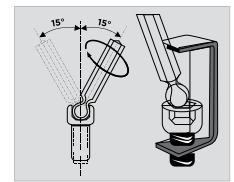
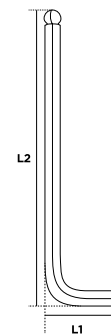
BOX QTY. 60

Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head



HEX (MM)	L1 (MM)	L2 (MM)
2.5	20	86
3.0	22	91
4.0	27	103
5.0	32	118
6.0	37	139
8.0	43	155
10.0	49	177



ALN/HX-BL/7L/SAE/GRZ

7 Hex Keys with Ball End -

Long - SAE

ORD NR. 36104

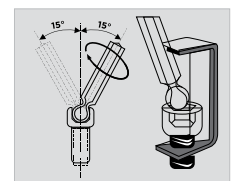
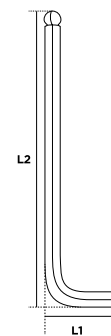
BOX QTY. 60

Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head



HEX (INCH)	L1 (INCH)	L2 (INCH)
3/32	5/8	2-1/64
1/8	45/64	2-13/64
5/32	53/64	2-33/64
3/16	15/16	2-3/4
1/4	1-1/16	3-3/16
5/16	1-17/64	3-47/64
3/8	1-11/32	4-1/4



ALN/HX-BL/9EL/GRZ

9 Hex Keys with Ball End -

Extra Long - Metric

ORD NR. 36103

BOX QTY. 48

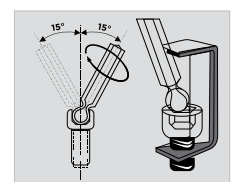
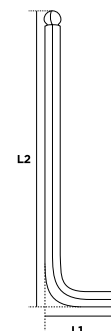
Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head

Extra long arm for easy access in confined spaces



HEX (MM)	L1 (MM)	L2 (MM)
1.5	15	91
2.0	17	101
2.5	20	113
3.0	22	127
4.0	27	142
5.0	32	163
6.0	37	184
8.0	43	205
10.0	49	233

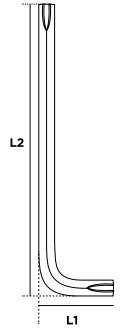


ALN/TX-TX/9L/GRZ
9 Torx Star Keys - Long
ORD NR. 36102
BOX QTY. 40

Compatible with standard
 TORX fixing systems



TORX	L1	L2
	(MM)	(MM)
T10	18	86
T15	20	90
T20	20.5	94
T25	20.5	100
T27	21	105
T30	24	114
T40	26.5	123.5
T45	29.5	132.5
T50	32.5	151



CHROME VANADIUM:

Hardened & tempered with corrosion resistant black oxide finish

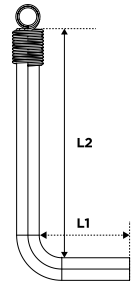
Hardness: 50-52 HRC



ALN/HX-HX/8/GRZ
8 Hexagonal Keys - Metric
ORD NR. 36110
BOX QTY. 200



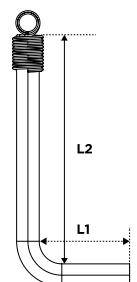
HEX (MM)	L1 (MM)	L2 (MM)
1.5	14	45
2	15	48
2.5	16	51
3	18	56
4	21	64
5	24	70
5.5	26	75
6	27	81



ALN/HX-HX/10/GRZ
10 Hexagonal Keys - Metric
ORD NR. 36111
BOX QTY. 80



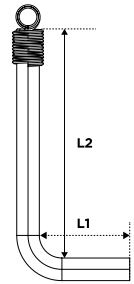
HEX (MM)	L1 (MM)	L2 (MM)
1.5 mm	14	45
2 mm	15	48
2.5 mm	16	51
3 mm	18	56
4 mm	21	64
5 mm	24	70
5.5 mm	26	75
6 mm	27	81
8 mm	32	95
10 mm	34	108



ALN/HX-HX/10/SAE/GRZ
10 Hexagonal Keys - SAE
ORD NR. 36112
BOX QTY. 80



HEX (INCH)	L1 (INCH)	L2 (INCH)
1/16	35/64	1-49/64
5/64	19/32	1-57/64
3/32	5/8	2-1/64
1/8	45/64	2-13/64
5/32	53/64	2-33/64
3/16	15/16	2-3/4
7/32	1-1/32	2-61/64
1/4	1-1/16	3-3/16
5/16	1-17/64	3-47/64
3/8	1-11/32	4-1/4

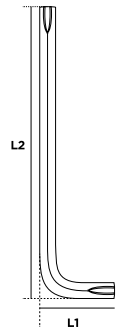


ALN/HX-HX/25/GRZ
25 Hexagonal Keys - Metric & SAE
ORD NR. 36130
BOX QTY. 15



HEX (MM)	L1 (MM)	L2 (MM)
METRIC		
1.5	14	45
2	15	48
2.5	16	51
3	18	56
4	21	64
4.5	23	67
5	24	70
5.5	26	75
6	27	81
7	30	88
8	32	95
9	34	102
10	34	108

HEX (INCH)	L1 (INCH)	L2 (INCH)
SAE		
1/16	35/64	2-7/16
5/64	5/8	3
3/32	45/64	3-11/32
7/64	3/4	3-15/32
1/8	25/32	3-35/64
9/64	55/64	3-47/64
5/32	63/64	3-15/16
3/16	1-7/64	4-1/2
7/32	1-3/16	5
1/4	1-17/64	5-5/16
5/16	1-27/64	6
3/8	1-37/64	6-2/3

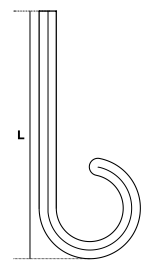


ALN/HX-HX/7/GRZ
7 Hexagonal Keys - Metric
ORD NR. 36120
BOX QTY. 50

Chamfered end
for convenience
in usage



HEX (MM)	LENGTH (MM)
2.5 mm	55
3 mm	60
4 mm	65
5 mm	70
6 mm	80
8 mm	85
10 mm	90



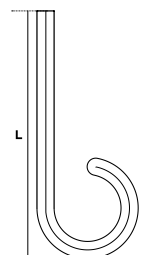
ALN/TX-TX/8/GRZ
8 Tamper Torx Star Keys
ORD NR. 36121
BOX QTY. 50

Chamfered end
for convenience
in usage

Compatible with
standard TORX
fixing systems



TAMPER TORX	LENGTH (MM)
T9	58
T10	62
T15	70
T20	72
T25	79
T27	88
T30	91
T40	95



108

7 pc VDE Screwdriver Set

SCDR-VDE



Ideal choice for electricians for use in terminal blocks, control cabinets, switches, relays, sockets etc.

Individually forged from chrome-vanadium steel, blades are fully hardened & tempered for increased durability & strength

Certified to IEC 60900

Accurately hardened magnetized tip ensures long lasting durability

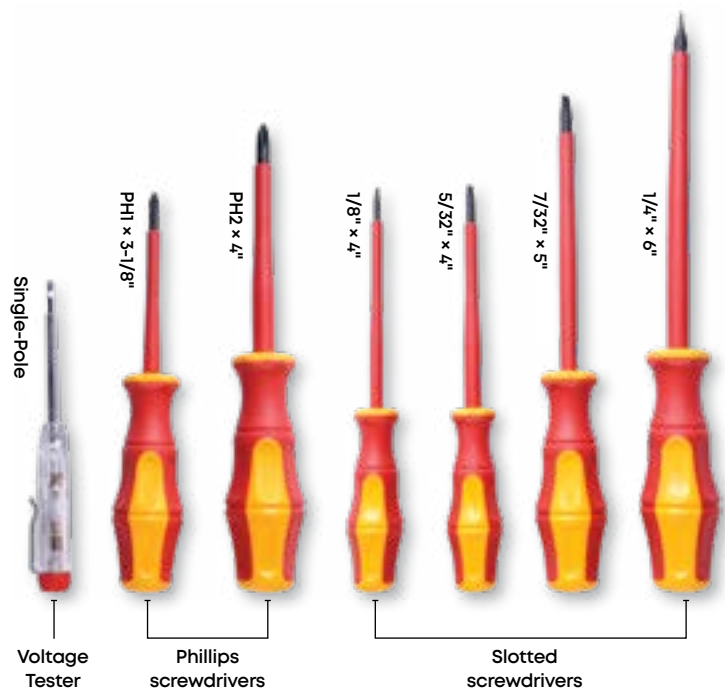
Each tool is tested for dielectric strength under a 10000 Volt load to guarantee safe working upto 1000 Volts

Bi-material ergonomic handle is impact and abrasion resistant



SET INCLUDES

TYPE	SIZE		SHAFT LENGTH	
	(MM)	(INCH)	(MM)	INCH
SLOTTED				
	6.5	1/4	150	6
	5.5	7/32	125	5
	4	5/32	100	4
	3	1/8	100	4
PHILLIPS				
	PH1		80	3-1/8
	PH2		100	4
VOLTAGE TESTER				
110V - 230V Single Pole Voltage Tester				



SCDR/VDE/7/ST

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
SCDR/VDE/7/ST	33747	7 pc Set of Screwdrivers	24
VT/110-250	33790	Voltage Tester	500



Premium quality screwdrivers for the professional user

Chrome Vanadium Construction for higher torque & wear resistance

Shaft extends into the handle, ensuring full transfer of force

Torque Maximiser Grip

Multi-component injection moulded non-slip hexagonal grip helps in transmitting higher torque

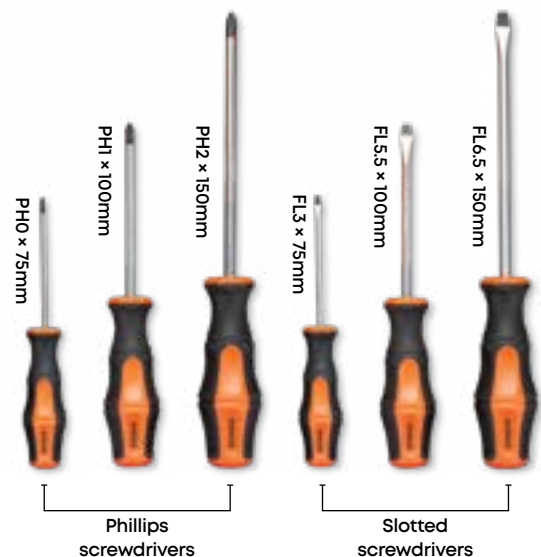
Magnetised Tip

Tip is accurately hardened ensuring long lasting durability. Tip has black oxide finish for enhanced corrosion resistance

ORDERING INFORMATION

CAT NR.	ORD NR.	TYPE	SIZE		SHAFT LENGTH		BOX QTY.
			(MM)	(INCH)	(MM)	(INCH)	
SCDR/R/FL3/75	36241	-	3	1/8	75	3	300
SCDR/R/FL3/100	36240		3	1/8	100	4	300
SCDR/R/FL4/100	36242		4	5/32	100	4	300
SCDR/R/FL5.5/100	36243		5.5	7/32	100	4	200
SCDR/R/FL5.5/150	36244		5.5	7/32	150	6	200
SCDR/R/FL6.5/38	36248		6.5	1/4	38	1-1/2	200
SCDR/R/FL6.5/100	36245		6.5	1/4	100	4	200
SCDR/R/FL6.5/150	36246		6.5	1/4	150	6	200
SCDR/R/FL6.5/200	36247		6.5	1/4	200	8	200
SCDR/R/FL8/150	36249		8	5/16	150	6	200
SCDR/R/FL8/200	36250		8	5/16	200	8	200
SCDR/R/PH0/75	36270	+	PH0		75	3	200
SCDR/R/PH1/75	36272		PH1		75	3	200
SCDR/R/PH1/100	36271		PH1		100	4	200
SCDR/R/PH2/38	36276		PH2		38	1-1/2	200
SCDR/R/PH2/100	36273		PH2		100	4	200
SCDR/R/PH2/150	36274		PH2		150	6	200
SCDR/R/PH2/200	36275		PH2		200	8	200
SCDR/R/PH3/150	36277		PH3		150	6	200
SCDR/R/PZ1/75	36300	⊗	PZ1		75	3	200
SCDR/R/PZ2/100	36301		PZ2		100	4	200
SCDR/R/PZ3/150	36302		PZ3		150	6	200
SCDR/R/T10/100	36310	⊗	T10		100	4	200
SCDR/R/T15/100	36311		T15		100	4	200
SCDR/R/T20/100	36312		T20		100	4	200
SCDR/R/T25/100	36313		T25		100	4	200
SCDR/R/T30/100	36314		T30		100	4	200

SET			
SCDR/R/6/ST	33746	Flat: 3x75 mm, 5.5 x 100 mm, 6.5 x 150 mm; Phillips: PH0 x 75 mm, PH1 x 100 mm, PH2 x 150 mm;	20



SCDR/R/6/ST



SOCKETS & ACCESSORIES



DIN 3120
All GROZ sockets meet or exceed DIN 3120 Standard by 30%



Designed for use in professional automotive workshops, on agricultural / construction machinery & industrial applications

Chrome Vanadium Construction

Cold forged from high quality chrome vanadium steel, precisely hardened for increased durability

Ultra Premium Finish*

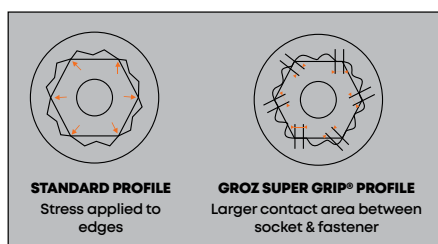
Ultra premium finish provides a scratch proof surface with enhanced protection against corrosion.

Super Grip Profile*

Round points facilitating contact between socket wall & fastener wall, keeps pressure off the corners

This ensures:

1. Transmission of higher torque
2. Firm grip & enhanced engagement
3. Increased durability - reduced stress in corners

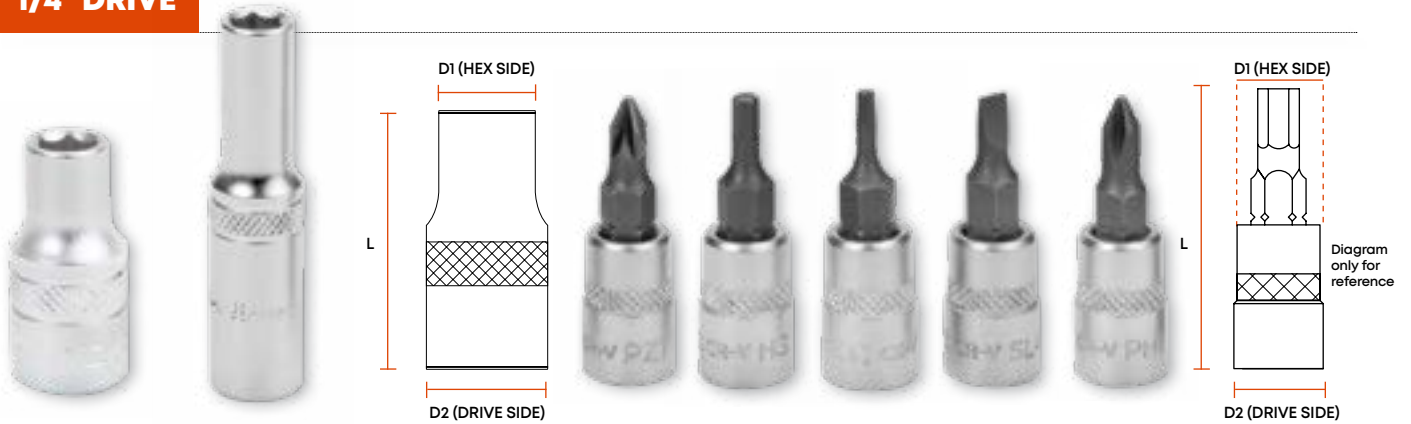


*only on 1/4", 3/8" & 1/2" sockets

110

Hand Sockets

1/4" DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
		(MM)				
HEX SOCKETS						
SKT/H/1-4/4/UG	40600	4	25	6.80	4	10
SKT/H/1-4/4.5/UG	40601	4.5	25	7.10	4.5	10
SKT/H/1-4/5/UG	40602	5	25	8.00	5	10
SKT/H/1-4/5.5/UG	40603	5.5	25	8.30	5.5	10
SKT/H/1-4/6/UG	40604	6	25	9.30	6	10
SKT/H/1-4/7/UG	40605	7	25	10.50	7	10
SKT/H/1-4/8/UG	40606	8	25	11.85	8	10
SKT/H/1-4/9/UG	40607	9	25	12.85	9	10
SKT/H/1-4/10/UG	40608	10	25	13.85	10	10
SKT/H/1-4/11/UG	40609	11	25	15.85	11	10
SKT/H/1-4/12/UG	40610	12	25	16.85	12	10
SKT/H/1-4/13/UG	40611	13	25	17.85	13	10
SKT/H/1-4/14/UG	40612	14	25	19.65	14	10

HEX SOCKETS - DEEP

SKT/H/1-4/5D/UG	40620	5	50	8.0	11.9	10
SKT/H/1-4/6D/UG	40621	6	50	9.3	11.9	10
SKT/H/1-4/7D/UG	40622	7	50	10.5	11.9	10
SKT/H/1-4/8D/UG	40623	8	50	11.9	11.9	10
SKT/H/1-4/9D/UG	40624	9	50	13.2	13.2	10
SKT/H/1-4/10D/UG	40625	10	50	14.6	14.6	10
SKT/H/1-4/11D/UG	40626	11	50	15.9	15.9	10
SKT/H/1-4/12D/UG	40627	12	50	17	17	10
SKT/H/1-4/13D/UG	40628	13	50	18	18	10

POZI BIT SOCKETS

SKT/1-4/PZ1/UG	40679	PZ1	37	6.35	12	10
SKT/1-4/PZ2/UG	40680	PZ2	37	6.35	12	10
SKT/1-4/PZ3/UG	40681	PZ3	37	6.35	12	10

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
		(MM)				
HEX BIT SOCKETS						
SKT/1-4/H3/UG	40660	3	37	3	12	10
SKT/1-4/H4/UG	40661	4	37	4	12	10
SKT/1-4/H5/UG	40662	5	37	5	12	10
SKT/1-4/H6/UG	40663	6	37	6	12	10
SKT/1-4/H7/UG	40664	7	37	7	12	10
SKT/1-4/H8/UG	40665	8	37	8	12	10
SKT/1-4/H10/UG	40682	10	37	10	12	10

TORX BIT SOCKETS

SKT/1-4/T8/UG	40666	T8	37	2.25	12	10
SKT/1-4/T10/UG	40667	T10	37	2.70	12	10
SKT/1-4/T15/UG	40668	T15	37	3.25	12	10
SKT/1-4/T20/UG	40669	T20	37	3.80	12	10
SKT/1-4/T25/UG	40670	T25	37	4.40	12	10
SKT/1-4/T27/UG	40683	T27	37	5.0	12	10
SKT/1-4/T30/UG	40671	T30	37	5.50	12	10
SKT/1-4/T40/UG	40672	T40	37	6.60	12	10

SLOTTED BIT SOCKETS

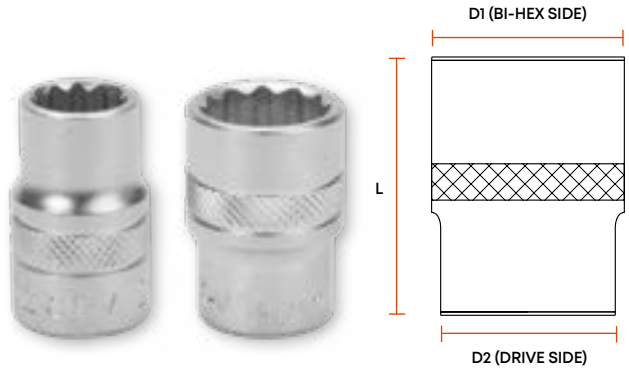
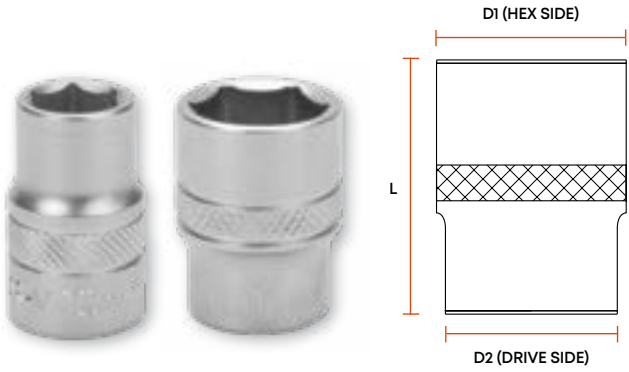
SKT/1-4/S4/UG	40673	4	37	4	12	10
SKT/1-4/S5.5/UG	40674	5.5	37	5.5	12	10
SKT/1-4/S7/UG	40675	7	37	7	12	10

PHILIPS BIT SOCKETS


SKT/1-4/PH1/UG	40676	PH1	37	6.35	12	10
SKT/1-4/PH2/UG	40677	PH2	37	6.35	12	10
SKT/1-4/PH3/UG	40678	PH3	37	6.35	12	10



3/8" DRIVE




ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L	D1	D2	BOX QTY.
		(MM)	(MM)	(MM)	(MM)	
HEX SOCKETS						
						
SKT/H/3-8/6/UG	40700	6	28	10.20	16.9	15
SKT/H/3-8/7/UG	40701	7	28	10.60	16.9	15
* SKT/H/3-8/8/UG	40702	8	28	11.80	16.9	15
SKT/H/3-8/9/UG	40703	9	28	13.20	16.9	15
* SKT/H/3-8/10/UG	40704	10	28	14.50	16.9	15
SKT/H/3-8/11/UG	40705	11	28	15.70	16.9	15
* SKT/H/3-8/12/UG	40706	12	28	16.90	16	15
* SKT/H/3-8/13/UG	40707	13	28	17.90	16.5	15
* SKT/H/3-8/14/UG	40708	14	28	19.70	17	15
SKT/H/3-8/15/UG	40709	15	28	20.90	18	12
SKT/H/3-8/16/UG	40710	16	30	21.90	19	12
* SKT/H/3-8/17/UG	40711	17	30	23.45	20	10
SKT/H/3-8/18/UG	40712	18	30	24.65	21	10
* SKT/H/3-8/19/UG	40713	19	30	25.85	23	10
SKT/H/3-8/20/UG	40714	20	32	27.15	24	8
SKT/H/3-8/21/UG	40715	21	32	27.85	25	8
SKT/H/3-8/22/UG	40716	22	32	29.65	26	6

* Best Seller

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L	D1	D2	BOX QTY.
		(MM)	(MM)	(MM)	(MM)	
BI-HEX SOCKETS						
						
SKT/BH/3-8/6/UG	40750	6	28	10.20	16.90	15
SKT/BH/3-8/7/UG	40751	7	28	10.60	16.90	15
* SKT/BH/3-8/8/UG	40752	8	28	11.80	16.90	15
SKT/BH/3-8/9/UG	40753	9	28	13.20	16.90	15
* SKT/BH/3-8/10/UG	40754	10	28	14.50	16.90	15
SKT/BH/3-8/11/UG	40755	11	28	15.70	16.90	15
* SKT/BH/3-8/12/UG	40756	12	28	16.90	16.00	15
* SKT/BH/3-8/13/UG	40757	13	28	17.90	16.50	15
* SKT/BH/3-8/14/UG	40758	14	28	19.70	17.00	15
SKT/BH/3-8/15/UG	40759	15	28	20.90	18.00	12
SKT/BH/3-8/16/UG	40760	16	30	21.90	19.00	12
* SKT/BH/3-8/17/UG	40761	17	30	23.45	20.00	10
SKT/BH/3-8/18/UG	40762	18	30	24.65	21.00	10
* SKT/BH/3-8/19/UG	40763	19	30	25.85	23.00	10
SKT/BH/3-8/20/UG	40764	20	32	27.15	24.00	8
SKT/BH/3-8/21/UG	40765	21	32	27.85	25.00	8
SKT/BH/3-8/22/UG	40766	22	32	29.65	26.00	6

* Best Seller

Hand Sockets (continued)

1/2" DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
HEX SOCKETS						
* SKT/H/1-2/8/UG	40800	8	38	13.20	21.80	15
SKT/H/1-2/9/UG	40801	9	38	13.90	21.80	15
* SKT/H/1-2/10/UG	40802	10	38	15.00	21.80	15
SKT/H/1-2/11/UG	40803	11	38	16.30	21.80	15
* SKT/H/1-2/12/UG	40804	12	38	17.60	21.80	15
* SKT/H/1-2/13/UG	40805	13	38	18.80	21.80	15
* SKT/H/1-2/14/UG	40806	14	38	20.40	21.80	15
SKT/H/1-2/15/UG	40807	15	38	21.65	20.70	12
SKT/H/1-2/16/UG	40808	16	38	22.90	21.50	12
* SKT/H/1-2/17/UG	40809	17	38	23.90	22.00	10
SKT/H/1-2/18/UG	40810	18	38	25.45	23.00	10
* SKT/H/1-2/19/UG	40811	19	38	25.85	23.00	10
SKT/H/1-2/20/UG	40824	20	38	27.85	24.00	8
* SKT/H/1-2/21/UG	40812	21	38	27.85	25.00	6
SKT/H/1-2/22/UG	40813	22	40	29.85	26.00	6
SKT/H/1-2/23/UG	40814	23	40	31.65	27.00	6
* SKT/H/1-2/24/UG	40815	24	42	31.85	28.00	6
SKT/H/1-2/25/UG	40825	25	42	33.85	30.00	6
SKT/H/1-2/26/UG	40816	26	42	35.45	30.00	4
* SKT/H/1-2/27/UG	40817	27	43	35.85	30.00	4
SKT/H/1-2/28/UG	40818	28	43	37.85	32.00	4
SKT/H/1-2/29/UG	40819	29	43	37.85	32.00	4
* SKT/H/1-2/30/UG	40820	30	46	39.85	34.00	4
* SKT/H/1-2/32/UG	40821	32	46	41.85	36.00	4
SKT/H/1-2/33/UG	40822	33	46	43.85	38.00	2
SKT/H/1-2/36/UG	40823	36	46	47.85	38.00	2

* Best Seller



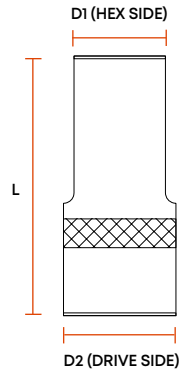
ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
BI-HEX SOCKETS						
* SKT/BH/1-2/8/UG	40826	8	38	13.20	21.80	15
SKT/BH/1-2/9/UG	40827	9	38	14.30	21.80	15
* SKT/BH/1-2/10/UG	40828	10	38	15.20	21.80	15
SKT/BH/1-2/11/UG	40829	11	38	16.40	21.80	15
* SKT/BH/1-2/12/UG	40830	12	38	18.00	21.80	15
* SKT/BH/1-2/13/UG	40831	13	38	19.00	21.80	15
* SKT/BH/1-2/14/UG	40832	14	38	20.20	21.80	15
SKT/BH/1-2/15/UG	40833	15	38	21.00	21.80	12
SKT/BH/1-2/16/UG	40834	16	38	21.00	21.50	12
* SKT/BH/1-2/17/UG	40835	17	38	23.90	22.00	10
SKT/BH/1-2/18/UG	40836	18	38	25.45	23.00	10
* SKT/BH/1-2/19/UG	40837	19	38	25.85	23.00	10
SKT/BH/1-2/20/UG	40838	20	38	27.85	24.00	8
* SKT/BH/1-2/21/UG	40839	21	38	27.85	24.00	6
SKT/BH/1-2/22/UG	40840	22	38	29.85	26.00	6
SKT/BH/1-2/23/UG	40841	23	38	31.65	28.00	6
* SKT/BH/1-2/24/UG	40842	24	38	31.85	28.00	6
SKT/BH/1-2/25/UG	40843	25	40	33.85	30.00	6
SKT/BH/1-2/26/UG	40844	26	42	35.45	31.00	4
* SKT/BH/1-2/27/UG	40845	27	42	35.85	30.00	4
SKT/BH/1-2/28/UG	40846	28	43	37.85	33.00	4
SKT/BH/1-2/29/UG	40847	29	43	37.85	33.00	4
* SKT/BH/1-2/30/UG	40848	30	44	39.85	34.00	4
* SKT/BH/1-2/32/UG	40849	32	44	41.85	36.00	4
SKT/BH/1-2/33/UG	40882	33	46	43.85	38.00	2
SKT/BH/1-2/36/UG	40883	36	46	47.85	42.00	2


* Best Seller



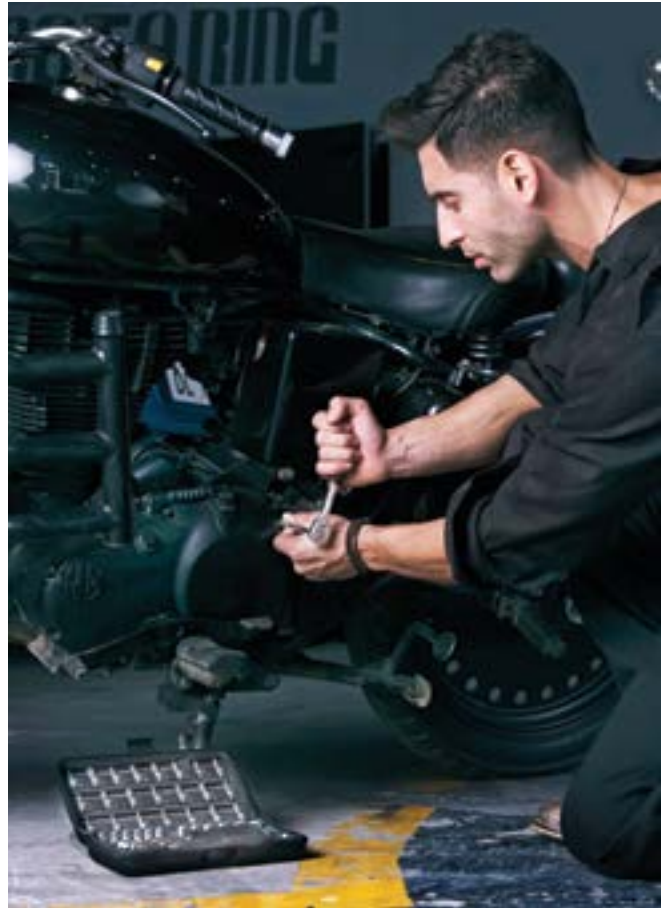
1/2" DEEP DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
HEX SOCKETS						
						
* SKT/H/1-2/10D/UG	40900	10	77	15	21.95	15
SKT/H/1-2/11D/UG	40901	11	77	16.30	21.95	15
* SKT/H/1-2/12D/UG	40902	12	77	17.60	21.95	15
* SKT/H/1-2/13D/UG	40903	13	77	18.80	21.95	15
* SKT/H/1-2/14D/UG	40904	14	77	20.40	21.95	15
SKT/H/1-2/15D/UG	40905	15	77	21.60	20.70	12
SKT/H/1-2/16D/UG	40906	16	77	22.85	21.50	12
* SKT/H/1-2/17D/UG	40907	17	77	23.85	22.00	10
SKT/H/1-2/18D/UG	40908	18	77	25.40	23.00	10
* SKT/H/1-2/19D/UG	40909	19	77	25.85	23.00	10
SKT/H/1-2/20D/UG	40922	20	77	27.85	24.00	8
SKT/H/1-2/21D/UG	40910	21	77	27.85	25.00	8
SKT/H/1-2/22D/UG	40911	22	77	29.85	26.00	6
SKT/H/1-2/23D/UG	40912	23	77	31.60	27.00	6
SKT/H/1-2/24D/UG	40913	24	77	31.85	28.00	6
SKT/H/1-2/26D/UG	40914	26	77	35.40	30.00	6
SKT/H/1-2/27D/UG	40915	27	77	35.85	30.00	6
SKT/H/1-2/28D/UG	40916	28	77	37.85	32.00	4
SKT/H/1-2/29D/UG	40917	29	77	37.85	32.00	4
SKT/H/1-2/30D/UG	40918	30	77	39.85	34.00	4
SKT/H/1-2/32D/UG	40919	32	77	41.85	36.00	4

* Best Seller

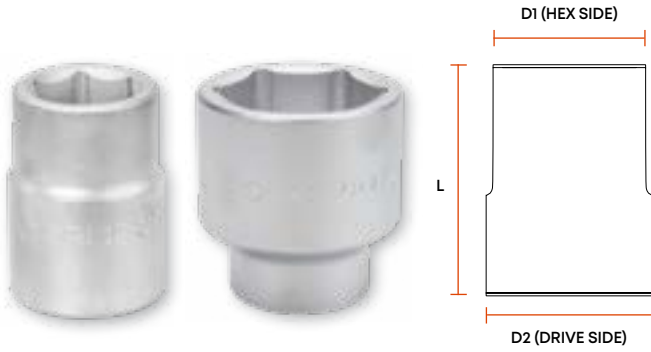


Professional Quality SOCKETS

Designed & manufactured to the highest standards for use in industrial & automotive workshops

Hand Sockets (continued)

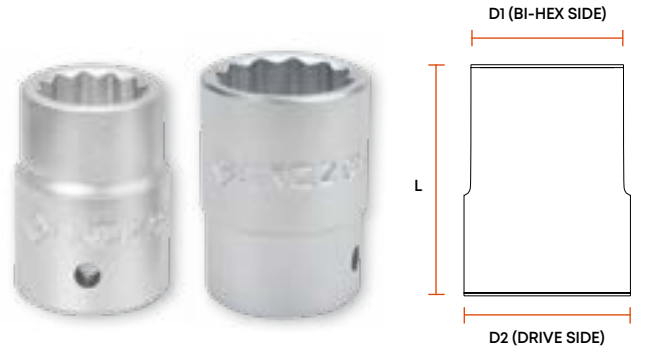
3/4" DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
		(MM)				
HEX SOCKETS						
SKT/H/3-4/22/MT	40455	22	50	33	36	6
SKT/H/3-4/24/MT	40457	24	50	35	36	6
* SKT/H/3-4/27/MT	40460	27	52	38	36	6
◆ SKT/H/3-4/28/MT	40461	28	52	38	37	6
* SKT/H/3-4/30/MT	40463	30	54	42	38	4
* SKT/H/3-4/32/MT	40465	32	56	44	38	4
* SKT/H/3-4/36/MT	40469	36	58	50	42	4
SKT/H/3-4/38/MT	40470	38	62	52	45	4
SKT/H/3-4/41/MT	40472	41	64	56	45	4
SKT/H/3-4/46/MT	40475	46	68	62	48	4
SKT/H/3-4/50/MT	40477	50	72	68	48	2

* Best Seller ◆ New



ORDERING INFORMATION

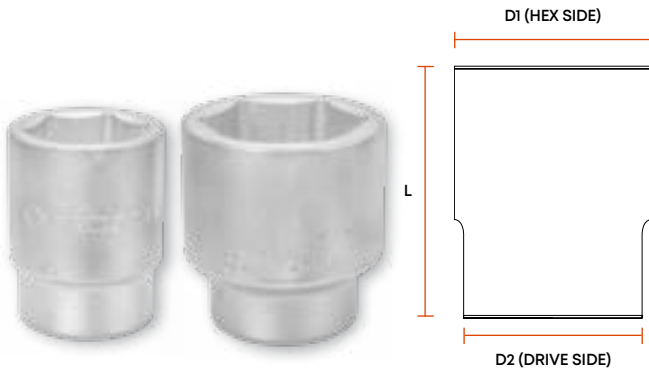
CAT NR.	ORD NR.	SIZE	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
		(MM)				
BI-HEX SOCKETS						
SKT/BH/3-4/22/MT	40415	22	33	36	50	6
SKT/BH/3-4/24/MT	40417	24	35	36	50	6
* SKT/BH/3-4/27/MT	40420	27	38	36	52	6
* SKT/BH/3-4/30/MT	40423	30	42	38	54	4
* SKT/BH/3-4/32/MT	40425	32	44	38	56	4
* SKT/BH/3-4/36/MT	40429	36	50	42	58	4
SKT/BH/3-4/38/MT	40430	38	52	45	62	4
SKT/BH/3-4/41/MT	40432	41	56	45	64	4
SKT/BH/3-4/46/MT	40435	46	62	48	68	4
SKT/BH/3-4/50/MT	40437	50	68	48	72	2

* Best Seller





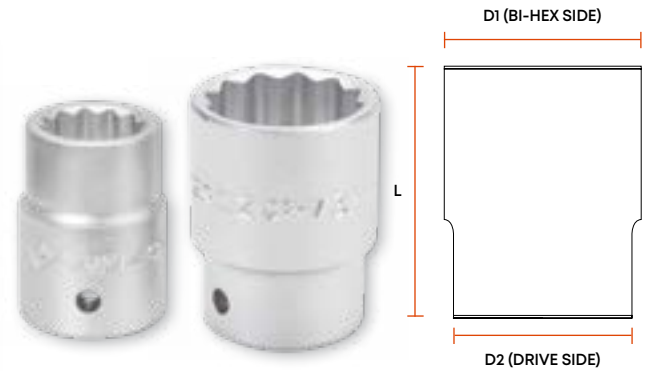
1" DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L	D1	D2	BOX QTY.
		(MM)				
HEX SOCKETS						
* SKT/H/0-1/36/MT	40551	36	65	51	45	4
* SKT/H/0-1/41/MT	40553	41	70	57	45	4
* SKT/H/0-1/46/MT	40554	46	75	65	50	4
* SKT/H/0-1/50/MT	40555	50	75	70	55	2
SKT/H/0-1/55/MT	40557	55	80	76	57	2
* SKT/H/0-1/60/MT	40559	60	84	82	57	2
* SKT/H/0-1/65/MT	40561	65	87	88	57	1
SKT/H/0-1/70/MT	40563	70	93	94	68	1
* SKT/H/0-1/75/MT	40565	75	97	100	68	1
* SKT/H/0-1/80/MT	40567	80	103	105	68	1

* Best Seller



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L	D1	D2	BOX QTY.
		(MM)				
BI-HEX SOCKETS						
* SKT/BH/0-1/36/MT	40571	36	65	51	45	4
* SKT/BH/0-1/41/MT	40573	41	70	57	45	4
* SKT/BH/0-1/46/MT	40574	46	75	65	50	4
* SKT/BH/0-1/50/MT	40575	50	75	70	55	2
SKT/BH/0-1/55/MT	40577	55	80	76	57	2
* SKT/BH/0-1/60/MT	40579	60	84	82	57	2
* SKT/BH/0-1/65/MT	40581	65	87	88	57	1
SKT/BH/0-1/70/MT	40583	70	93	94	68	1
* SKT/BH/0-1/75/MT	40585	75	97	100	68	1
* SKT/BH/0-1/80/MT	40587	80	103	105	68	1

* Best Seller

Socket Merchandiser

Heavy duty steel construction in premium powder coated finish

1/2" DRIVE

CAT NR.	ORD NR.	CONTENTS	BOX QTY.
SKT/H/1-2/UG/ST50	40390	49 Hex Sockets of following sizes: 7 pcs: 10 mm 7 pcs: 13 mm 7 pcs: 17 mm 6 pcs: 19 mm 5 pcs: 22 mm 5 pcs: 24 mm 4 pcs: 27 mm 4 pcs: 30 mm 4 pcs: 32 mm	5

*Can be offered with Bi-Hex Sockets also



SLIDING T BARS

Manufactured from high quality Chrome Vanadium steel for strength & durability

Time & effort saving tool: provides right leverage for tightening nuts & bolts easily


ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		BOX QTY.
		(INCH)	(INCH)	(MM)	
SLTB/1-4/UG	40106	1/4	4-1/2	115	10
SLTB/3-8/UG	40206	3/8	6-1/2	165	10
SLTB/1-2/UG	40305	1/2	10	250	5
SLTB/3-4/MT	40405	3/4	18	450	1
SLTB/0-1/MT	40505	1	22	550	1

EXTENSION BARS

Manufactured from high quality Chrome Vanadium steel for strength & durability

Corrosion resistant chrome plated finish
Used along with a socket to reach into confined spaces


ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		BOX QTY.
		(INCH)	(INCH)	(MM)	
DRXB/1-4/2/UG	40102	1/4	2	50	10
DRXB/1-4/4/UG	40103	1/4	4	100	10
DRXB/1-4/6/UG	40109	1/4	6	150	10
DRXB/3-8/3/UG	40201	3/8	3	75	5
DRXB/3-8/6/UG	40202	3/8	6	150	5
DRXB/1-2/5/UG	40302	1/2	5	125	5
DRXB/1-2/10/UG	40303	1/2	10	250	5
DRXB/3-4/4/MT	40401	3/4	4	100	10
DRXB/3-4/8/MT	40402	3/4	8	200	5
DRXB/0-1/8/MT	40501	1	8	200	5
DRXB/0-1/16/MT	40502	1	16	400	2

FLEX HANDLE / POWER BARS

Bars manufactured from high quality hardened & tempered Chrome Vanadium steel for strength & durability

Hinged joint head and spring-loaded ball bearing joint for secure socket retention

Chrome Molybdenum Square Drive.
Replaceable on 3/4" & 1" sizes


ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		DRIVE TYPE	BOX QTY.
		(INCH)	(INCH)	(MM)		
DFH/3-8/9/MT	40207	3/8	9	225	Fixed	5
DFH/1-2/15/MT	40316	1/2	15	375	Fixed	5
DFH/3-4/20/MT	40400	3/4	20	500	Replaceable	5
DFH/0-1/26/MT	40500	1	26	650	Replaceable	5

SPEEDER HANDLE

Chrome Vanadium construction with ultra premium finish

Ideal for rapid removal or insertion of fasteners, especially in repetitive work

Provides extra leverage with greater strength than ratchets


ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	BOX QTY.
		(INCH)	
SPDH/1-2/UG	40301	1/2	5



UNIVERSAL JOINT

Manufactured from Chrome Vanadium for higher strength & durability

Hinged through 180° in both directions, helps the user to 'form corners' or to get socket onto inaccessible bolt heads



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	BOX QTY.
UVJ/1-4/UG	40104	1/4	10
UVJ/3-8/UG	40203	3/8	5
UVJ/1-2/UG	40308	1/2	5
UVJ/3-4/UG	40406	3/4	5

SPINNER HANDLE

Manufactured from high quality Chrome Vanadium steel for strength & durability

Fit on a socket & spin it for rapid installation of longer bolts

1/4" (F) square recess allows spinner to be used with a ratchet & also works as a long extension



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	BOX QTY.
DRSH/1-4/UG	40101	1/4	10

ADAPTOR

For using a combination of square drive sockets in one application



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	BOX QTY.
SADP/1-4F/3-8M/UG	40108	1/4" (F) to 3/8" (M)	5
SADP/3-8F/1-4M/UG	40204	3/8" (F) to 1/4" (M)	5
SADP/3-8F/1-2M/UG	40205	3/8" (F) to 1/2" (M)	5
SADP/1-2F/3-8M/UG	40306	1/2" (F) to 3/8" (M)	5
SADP/1-2F/3-4M/UG	40307	1/2" (F) to 3/4" (M)	5
SADP/3-4F/1-2M/UG	40404	3/4" (F) to 1/2" (M)	5
SADP/3-4F/0-1M/UG	40403	3/4" (F) to 1" (M)	2
SADP/0-1F/3-4M/UG	40504	1" (F) to 3/4" (M)	2

HEX SPARK PLUG SOCKET

Designed for insertion & removal of spark plugs



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	HEX SIZE (MM)	BOX QTY.
SKT/1-2/SP/16/UG	40880	1/2	16	5
SKT/1-2/SP/21/UG	40881	1/2	21	5

Socket Accessories (continued)

L HANDLE

Manufactured from high quality Chrome Vanadium steel for strength & durability

Hardened & tempered with corrosion resistant chrome plated finish

Spring loaded ball bearing holds sockets securely

Fixed L Handle for applications requiring rigid set-up



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		BOX QTY.
		(INCH)	(INCH)	(MM)	
LDH/1-2/UG	40304	1/2	5	125	5

FLEXIBLE EXTENSION

Manufactured from high quality Chrome Vanadium steel for strength & durability

Hardened & tempered with corrosion resistant chrome plated finish

Flexible Extension with compressed spring for use in confined spaces



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	BOX QTY.
		(INCH)	
FLEX/1-4/UG	40105	1/4	10

112

Pear Head Ratchet Handle

RTD-PH



Forged from high quality chrome vanadium steel for higher strength & durability

Classic pear head design for strength, durability & high performance

2 piece construction with detachable head for convenient storage

Spring loaded ball attaches onto sockets preventing them from being dropped



2pc construction with detachable head

ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		TORQUE		BOX QTY.
		(INCH)	(INCH)	(MM)	(NM)	(FT-LB)	
◆ RTD/PH/3-4/MT	40408	3/4	19-11/16	500	2000	1475	1
RTD/PH/0-1/MT	40503	1	26 - 3/8	670	2515	1855	1

◆ New



Chrome Vanadium Construction: Forged from high quality chrome vanadium steel, precisely hardened for increased durability

Unique Patented Design: 30% slimmer & lighter than normal pear head ratchet, provides higher torque & extended service life

Torque
1.3 X DIN

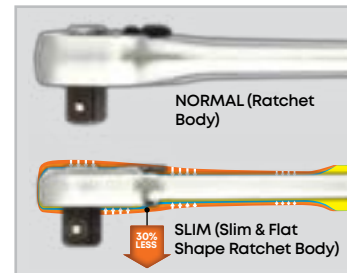


Unique Patented Design
Gourd shaped head is 30% narrower than regular oval shaped ratchets making these most suitable for use in tight & hard to reach areas

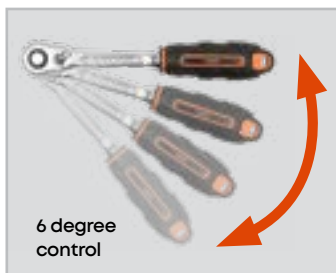


Slim Line Ratchet
More than 9 Teeth Bite of Gear is designed to transfer extremely high torque and extend the service life

Normal Type Ratchet
Only 3 teeth bite, unable to transfer the torque powerfully and efficiently



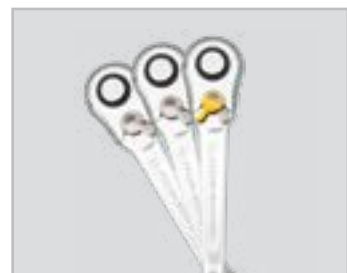
Ratchet body is 30% slimmer than regular ratchet handles. This reduces the weight of the ratchet handles & provides high torque



60 Teeth With 6 Degree Control
Provides extremely high torque for professional users



Quick Release
Simply push the release button with one thumb for replacing sockets quickly and efficiently

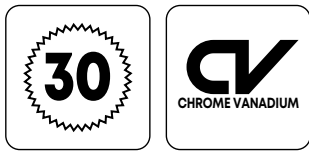


Reversible Lever Switch
Reversible lever switch makes it easy to switch direction of use

ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	LENGTH		TORQUE		BOX QTY.
			(INCH)	(MM)	(NM)	(FT-LB)	
RTD/SL/1-4/UG	40107	1/4	5.70	145	80	59	5
RTD/SL/3-8/UG	40200	3/8	7.81	199	270	199	5
RTD/SL/1-2/UG	40310	1/2	10.03	255	670	494	5

114 Push Through Ratchet Handle RTD-PT



Works with any standard 1/2" square drive socket

Unique push-through ratchet rotates in only one direction. To reverse, simply remove socket, push square drive out of the other side of the head & re-attach socket on the other side

Anti slip, ergonomic soft grip handle

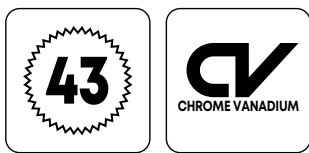
Square Drive available as spare. No need to discard complete Ratchet Handle once the drive wears out



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		TORQUE		BOX QTY.
		(INCH)	(INCH)	(MM)	(NM)	(FT-LB)	
RTD/PT/1-2/UG	40312	1/2	11	280	512	377	5

115 Round Head Ratchet Handle RTD-RH



Chrome Vanadium construction for higher strength & durability

Classic round head ratchet mechanism for reliable performance

Spring loaded ball attaches onto sockets, preventing them from being dropped

Durable, corrosion resistant chrome plated finish

Knurled handle for non-slip grip



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	LENGTH		NUMBER OF TEETH	TORQUE		BOX QTY.
		(INCH)	(INCH)	(MM)		(NM)	(FT-LB)	
RTD /RH/3-4/MT	40407	3/4	19.6	500	43	1412	1041	1



World-class Ratchet Handle with twice the speed of a conventional ratchet

Dual Ratchet Mechanism

Ratchet handle can be used in two ways:

- Conventional Ratchet
- Twist Action Ratchet

Twist action makes it possible to tighten & remove fasteners without moving the handle, making it suitable for use in restricted space

In 'Twist Action Mode' the drive turns in fixed direction irrespective of the way the handle is rotated

Easy to use switching mechanism for quick change of direction

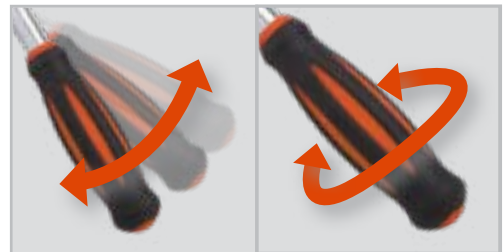
52 Teeth Gear Design

Provides optimum torque for professional users

Quick Release Push Button Immediate socket release with simple press of the button



Dual Ratchet Mechanism:



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	LENGTH		TORQUE		BOX QTY.
			(INCH)	(MM)	(NM)	(FT-LB)	
RTD/DD/1-4/UG	40313	1/4	7-3/32	180	62	46	5
RTD/DD/3-8/UG	40314	3/8	8-21/32	225	202	149	5
RTD/DD/1-2/UG	40311	1/2	11-13/32	290	512	377	5



SCAN TO WATCH



360° swivelling gear Ratchet Handle with patented intelligent design features

Adjustable Square Drive

30 tooth flexible spherical gear mechanism makes the square drive adjustable 15° either side

360° Access

Angular movement for 360° access even in tight/restricted spaces without removing or readjustment of Ratchet Handle

Time Saving

Square drive automatically adjusts to the required angle during usage eliminating the need to stop working, pull out & readjust every time thus saving time



Compact Head Design

Quick Release Push Button

Reversible Lever Switch

Ergonomic Design Handle

Smooth Push Through

Quick Release

Simply push the release button for replacing sockets quickly & easily

Robust Construction:

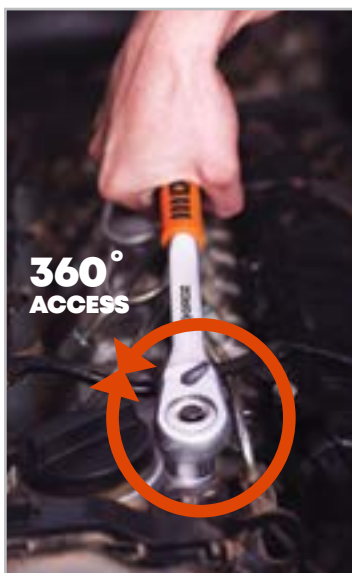
Fully forged from chrome molybdenum steel makes it by far the strongest in the market

Slim Design

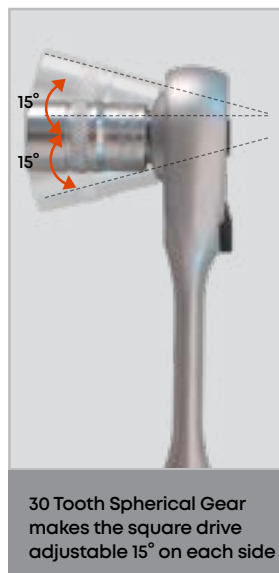
For easy access into tight spots

Reversible Lever Switch

Low profile reversing lever design for quick, one hand operation



360° ACCESS



30 Tooth Spherical Gear makes the square drive adjustable 15° on each side



Automatic adjustment of square drive eliminates the need to readjust every time



360° angular movement for easy access even in restricted spaces

ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE (INCH)	TORQUE		BOX QTY.
			(NM)	(FT-LB)	
RTD/360/1-4	40320	1/4	62	46	5
RTD/360/3-8	40321	3/8	202	149	5
RTD/360/1-2	40322	1/2	512	377	5



SCAN TO WATCH

118

Hand Socket Sets in Metal Cases

3/4" DRIVE

14

PIECE

HEX SOCKET SET

KIT/SKT/H/3-4/14/MT

ORD NR. 40490

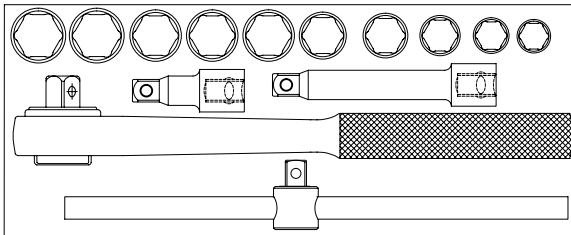
BOX QTY. 1

BI-HEX SOCKET SET

KIT/SKT/BH/3-4/14/MT

ORD NR. 40491

BOX QTY. 1



DESCRIPTION

10 pcs Sockets:
22, 24, 27, 30, 32, 36, 38, 41, 46, 50mm
1 pc Round Head Ratchet Handle
2 pc Extension Bar:
100 & 200 mm (4" & 8")
1 pc Sliding T Bar

1" DRIVE

14

PIECE

HEX SOCKET SET

KIT/SKT/H/0-1/14/MT

ORD NR. 40590

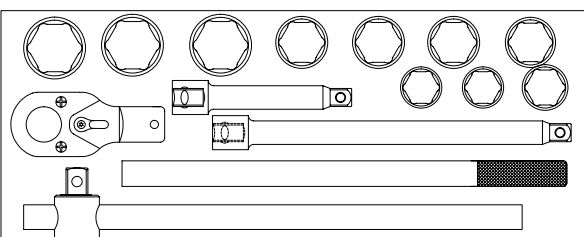
BOX QTY. 1

BI-HEX SOCKET SET

KIT/SKT/BH/0-1/14/MT

ORD NR. 40591

BOX QTY. 1



DESCRIPTION

10 pcs Sockets:
36, 41, 46, 50, 55, 60, 65, 70, 75, 80 mm
1 pc Ratchet Handle
2 pc Extension:
200 & 400 mm (8" & 16")
1 pc Sliding T Bar

119

Hand Socket Sets in Blow Moulded Cases

1/4" DRIVE

19

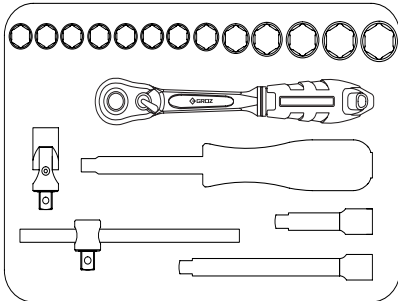
PIECE

HEX SOCKET SET

KIT/SKT/H/1-4/19/UG

ORD NR. 40193

BOX QTY. 10



DESCRIPTION

13 pcs Hex Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
1 pc Ratchet Handle
2 pcs Extension Bars:
50 & 100 mm (2" & 4")
1 pc Universal Joint
1 pc Sliding T Bar
1 pc Spinner Handle



42

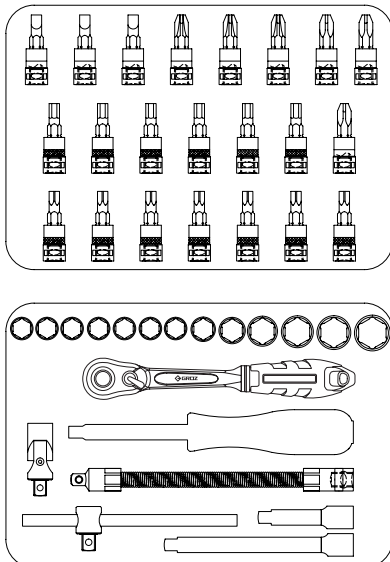
PIECE

HEX SOCKET SET

KIT/SKT/H/1-4/42/UG

ORD NR. 40190

BOX QTY. 10



DESCRIPTION

13 pcs Hex Sockets:
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
6 pcs Hex Bit Sockets:
3, 4, 5, 6, 7, 8 mm
3 pcs Slotted Bit Sockets:
4, 5, 7 mm
3 pcs Phillips Bit Sockets:
PH1, PH2, PH3
3 pcs Pozzi Bit Sockets:
PZ1, PZ2, PZ3
7 pcs Torx Bit Sockets:
T8, T10, T15, T20, T25, T30, T40
2 pcs Extension Bar:
50 & 100 mm (2" & 4")
1 pc Spinner Handle
1 pc Flexible Extension
1 pc Universal Joint
1 pc Sliding T Bar
1 pc Ratchet Handle





1/2" DRIVE

13

PIECE

HEX SOCKET SET KIT/SKT/H/1-2/13/UG

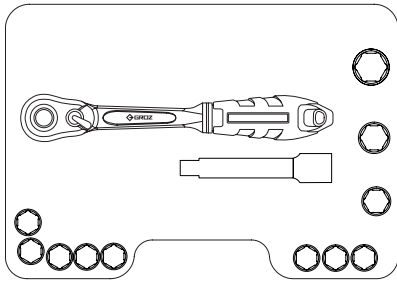
ORD NR. 40394

BOX QTY. 5

BI-HEX SOCKET SET KIT/SKT/BH/1-2/13/UG

ORD NR. 40397

BOX QTY. 5



DESCRIPTION

11 pcs Sockets:
8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22 mm
1 pc Ratchet Handle
1 pc Extension Bar:
125 mm (5")



27

PIECE

HEX SOCKET SET KIT/SKT/H/1-2/27/UG

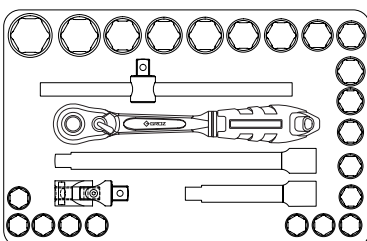
ORD NR. 40390

BOX QTY. 5

BI-HEX SOCKET SET KIT/SKT/BH/1-2/27/UG

ORD NR. 40398

BOX QTY. 5



DESCRIPTION

22 pcs Sockets:
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22,
23, 24, 26, 27, 28, 29, 30, 32 mm
2 pcs Extension Bar:
125 & 250 mm (5" & 10")
1 pc Universal Joint
1 pc Sliding T Bar
1 pc Ratchet Handle



120

Hand Socket Sets On Rails

1/4" DRIVE

HEX SOCKET SET
KIT/SKT/H/1-4/9LH/UG
 ORD NR. 40192
 BOX QTY. 5



9

PIECE



DESCRIPTION

8 pcs Hex Sockets :
 4, 4.5, 5, 5.5, 6, 7, 8, 10 mm
 1 pc Ratchet Handle

HEX SOCKET SET
KIT/SKT/H/1-4/13L/UG
 ORD NR. 40191
 BOX QTY. 5



13

PIECE



DESCRIPTION

13 pcs Hex Sockets :
 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13,
 14 mm

3/8" DRIVE

HEX SOCKET SET
KIT/SKT/H/3-8/8L/UG
 ORD NR. 40290
 BOX QTY. 5



8

PIECE



DESCRIPTION

8 pcs Sockets:
 6, 8, 10, 12, 13, 14, 17, 19 mm

HEX SOCKET SET
KIT/SKT/H/3-8/9LH/UG
 ORD NR. 40291
 BOX QTY. 5



9

PIECE



DESCRIPTION

8 pcs Sockets:
 6, 8, 10, 12, 13, 14, 17, 19 mm
 1 pc Ratchet Handle

1/2" DRIVE

HEX SOCKET SET
KIT/SKT/H/1-2/9L/UG
 ORD NR. 40392
 BOX QTY. 5



9

PIECE



DESCRIPTION

9 pcs Sockets:
 8, 9, 10, 12, 13, 14, 17, 19, 22 mm

HEX SOCKET SET
KIT/SKT/H/1-2/11LH/UG
 ORD NR. 40393
 BOX QTY. 5



11

PIECE



DESCRIPTION

10 pcs Sockets:
 8, 9, 10, 12, 13, 14, 17, 19, 22, 24 mm
 1 pc Ratchet Handle



1/2" DRIVE

BIT SOCKET SET

KIT/BIT-SKT/SPL/1-2/6/UG

ORD NR. 40381

BOX QTY. 5

6

PIECE



DESCRIPTION

Spline Bit Sockets:
55mm length: M6, M8, M10
100mm length: M8, M10, M12;

TORX BIT SOCKET SET

KIT/BIT-SKT/TX/1-2/9/UG

ORD NR. 40382

BOX QTY. 5

9

PIECE



DESCRIPTION

Torx Bit Socket:
T20, T25, T27, T30, T40, T45, T50,
T55, T60

HEX BIT SOCKET SET

KIT/BIT-SKT/H/1-2/8/UG

ORD NR. 40380

BOX QTY. 5

8

PIECE



DESCRIPTION

8 pcs Hex Bit Sockets:
5, 6, 7, 8, 10, 12, 14, 17 mm

IMPACT SOCKETS



Pin Hole for Retaining Ring & Pin



New range of impact sockets from GROZ are designed to withstand high levels of torque & impact applications

Chrome Molybdenum Construction

Forged from high quality Chrome Molybdenum Steel, precision machined & heat treated to provide the best combination of hardness, tensile strength & torque

Specially designed chamfered openings make engagement with the impact tools much easier, thereby saving time and effort

Pin hole in the impact sockets facilitates use with impact tools having pin and ring retaining mechanism

Black Oxide Finish

For enhanced corrosion protection and easy identification from regular sockets

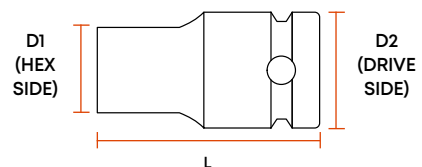
Marking & Branding

Branding & size laser etched on each individual socket ensuring quick and convenient identification



121

Impact Sockets Hex

1/2" DRIVE



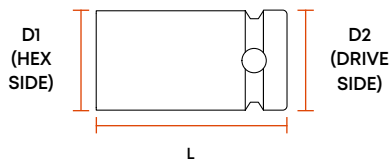
ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	L	D1	D2	BOX QTY.
		(MM)	(MM)	(MM)	(MM)	
HEX SOCKETS						
						
* ISKT/H/1-2/10	39930	10	38	16.7	25	15
ISKT/H/1-2/11	39931	11	38	18.0	25	15
* ISKT/H/1-2/12	39932	12	38	19.0	25	15
ISKT/H/1-2/13	39933	13	38	20.2	25	15
ISKT/H/1-2/14	39934	14	38	21.5	25	15
ISKT/H/1-2/15	39935	15	38	23.0	25	12
ISKT/H/1-2/16	39936	16	38	24.5	25	12
* ISKT/H/1-2/17	39937	17	38	26.0	25	10
ISKT/H/1-2/18	39938	18	38	27.0	25	10
* ISKT/H/1-2/19	39939	19	38	28.0	25	10
* ISKT/H/1-2/21	39940	21	38	30.0	25	8
ISKT/H/1-2/22	39941	22	38	32.0	30	6
ISKT/H/1-2/24	39941	24	38	34.0	30	6
ISKT/H/1-2/27	39943	27	42	40.0	30	6
HEX SOCKETS - DEEP						
						
ISKT/H/1-2/14D	39880	14	78	22	25	15
ISKT/H/1-2/17D	39881	17	78	26	30	10
ISKT/H/1-2/18D	39882	18	78	27	30	10
ISKT/H/1-2/19D	39883	19	78	28	30	10
ISKT/H/1-2/20D	39884	20	78	29	30	8
ISKT/H/1-2/21D	39885	21	78	30	30	8
ISKT/H/1-2/23D	39886	23	78	33.8	30	6
ISKT/H/1-2/24D	39887	24	78	33.8	30	6

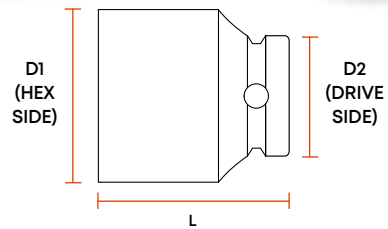
* Best Seller



3/4" DRIVE



1" DRIVE



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
HEX SOCKETS						
ISKT/H/3-4/17	39950	17	51	30.0	44	10
ISKT/H/3-4/19	39952	19	51	32.5	44	8
ISKT/H/3-4/21	39953	21	51	35.0	44	6
ISKT/H/3-4/22	39954	22	51	36.0	44	6
ISKT/H/3-4/24	39955	24	51	38.5	44	6
ISKT/H/3-4/26	39956	26	53	41.0	44	6
ISKT/H/3-4/27	39957	27	53	42.5	44	6
ISKT/H/3-4/28	39967	28	53	44	44	6
* ISKT/H/3-4/29	39958	29	53	45.0	44	4
ISKT/H/3-4/30	39959	30	53	46.0	44	4
* ISKT/H/3-4/32	39960	32	57	48.0	44	4
* ISKT/H/3-4/33	39961	33	57	50.0	44	4
ISKT/H/3-4/35	39962	35	57	52.0	44	4
ISKT/H/3-4/36	39963	36	57	53.0	44	4
ISKT/H/3-4/38	39964	38	57	56.0	44	4
ISKT/H/3-4/41	39965	41	58	59.0	44	4
ISKT/H/3-4/46	39966	46	62	66.0	44	2

HEX SOCKETS - DEEP

ISKT/H/3-4/24D	39900	24	90	38	44	4
ISKT/H/3-4/27D	39901	27	90	41	44	4
ISKT/H/3-4/28D	39902	28	90	44	44	4
ISKT/H/3-4/30D	39903	30	90	46	44	2

* Best Seller

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	L (MM)	D1 (MM)	D2 (MM)	BOX QTY.
HEX SOCKETS						
ISKT/H/0-1/19	39970	19	58	35.0	54	8
ISKT/H/0-1/22	39971	22	58	39.0	54	6
ISKT/H/0-1/24	39972	24	58	41.5	54	6
ISKT/H/0-1/26	39973	26	60	44.0	54	6
ISKT/H/0-1/27	39974	27	60	45.0	54	6
* ISKT/H/0-1/29	39975	29	62	45.0	54	4
ISKT/H/0-1/30	39976	30	62	49.0	54	4
* ISKT/H/0-1/32	39977	32	62	51.5	54	4
* ISKT/H/0-1/33	39978	33	62	52.5	54	4
ISKT/H/0-1/35	39979	35	66	55.0	54	4
ISKT/H/0-1/36	39980	36	66	56.5	54	4
ISKT/H/0-1/38	39981	38	66	59.0	54	4
ISKT/H/0-1/41	39982	41	68	62.5	54	4
ISKT/H/0-1/46	39983	46	72	69.0	54	4
ISKT/H/0-1/50	39984	50	76	74.0	54	2
ISKT/H/0-1/55	39985	55	84	80.0	54	2
ISKT/H/0-1/60	39986	60	88	86.5	54	1
ISKT/H/0-1/65	39987	65	92	92.5	54	1

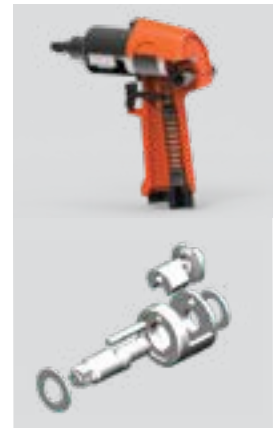
HEX SOCKETS - DEEP

ISKT/H/0-1/27D	39910	27	90	46	54	4
ISKT/H/0-1/30D	39911	30	90	49	54	2
ISKT/H/0-1/32D	39912	32	90	52	54	2
ISKT/H/0-1/33D	39913	33	90	54	54	2

* Best Seller

MECHANISMS

ROCKING DOG MECHANISM



Ideal for optimum
power transmission
and constant torque
output

07

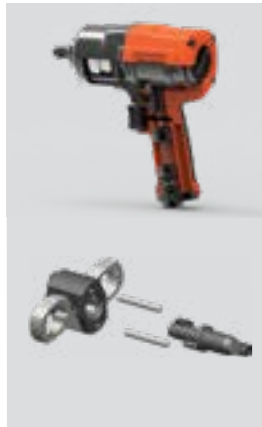
IMPACT & RATCHET WRENCHES

JUMBO HAMMER MECHANISM



Simplest technology which produces high torque instantly for tough applications

TWIN HAMMER MECHANISM



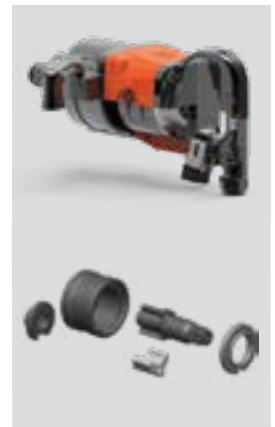
Balanced & powerful mechanism comprising of two fully forged hammers that work alternatively. With lower air consumption & low reaction force the system builds up torque smoothly, to its maximum level

IMPROVED TWIN HAMMER MECHANISM



Designed for higher torque & durability. Strong reinforced hammer frame can take higher impact for a longer time. Larger anvil provides a large contact area. Gives 25% more torque compared to twin hammer & enhances tool life by upto 3 times

PIN-LESS CLUTCH MECHANISM



High torque output with excellent power to weight ratio & fast run down for less frequent high torque applications

AIR EXHAUST

FRONT EXHAUST



Air is blown forward towards the working area. This is normally found in the simpler design models

REAR EXHAUST



This is the most popular design. Air is discharged down the handle and blown away from the working area

SIDE EXHAUST



The air is discharged from the side of the tool

360° EXHAUST



Air can be blown in any desired direction by rotating the exhaust disk

HANDLE TYPE

PISTOL TYPE



STRAIGHT D-HANDLE TYPE



WATCH VIDEO

122

3/8" Impact Wrench

IPW-201



360 NM	71 LPM	AI	1.35 KG
---------------	---------------	-----------	----------------

Robust & durable aluminium housing

Easy to use forward/reverse switch allows operator to change direction while using the tool

Ideal for use in

- a. Tyre service & wheel alignment
- b. Repair of white goods (fans, washing machines, etc.)

SPECIFICATIONS

*MAX TORQUE *@15 SEC	360 NM	266 FT-LB
FREE SPEED	10,000 RPM	
AVR. AIR CONSUMPTION	71 LPM	2.5 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	1.35 KG	2.98 LB
NUT CAPACITY (MAX)	M11	



Jumbo Hammer Impact Mechanism
Instant high torque output for tough applications



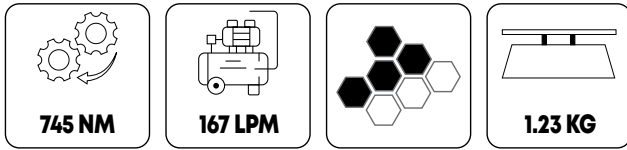
5 Speed Position Control
Adjust tool speed both in forward & reverse directions



Rear Handle Exhaust With Muffler
Directs air away from the job & operator, ensuring safety

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/201	61910	5.5	140	12



Strong yet lightweight composite construction, evenly balanced design & compact profile makes the GROZ PRO+ Series impact wrenches ideal to get THE JOB DONE

Ergonomic TPR grip absorbs vibration & increases comfort

Full torque output in reverse direction

One hand forward-reverse control – finger tip slide for quick change

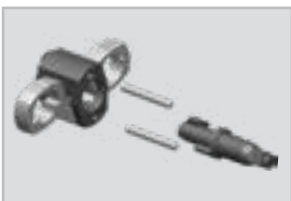
Ideal for use in

- a. General repair, transmission work, exhaust system and body shop for 2 & 3 wheelers
- b. Repair for white goods (fans, washing machines etc.)

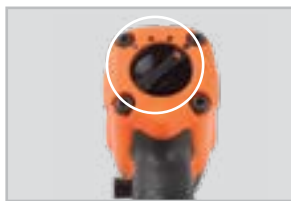


SPECIFICATIONS

*MAX TORQUE *@15 SEC	745 NM	550 FT-LB
FREE SPEED	13,500 RPM	
AVR. AIR CONSUMPTION	167 LPM	5.9 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	1.23 KG	2.71 LB
NUT CAPACITY (MAX)	M14	



Twin Hammer impact mechanism
Delivers balanced blows



4 Speed Positive Control
Adjust tool speed in forward direction. Full power in reverse



Rear Handle Exhaust With Muffler
Directs air away from the job & operator, ensuring safety

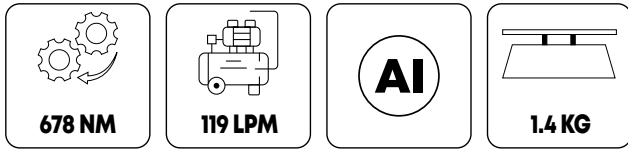
ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/202	61911	6	152	6

124

1/2" Angle Impact Wrench

IPW-307



NEW!

Robust & durable aluminium housing

Stubby style wrench ideal to use in confined spaces

Reduced vibrations(50%) & increased torque output(20%) compared to other geared angle impact wrenches

Ideal for use in

- a. General automotive repair & service center for passenger vehicles
- b. MRO jobs in railways
- c. Repair & maintenance of gear units & boxes
- d. Repair & maintenance of printing press machines

SPECIFICATIONS

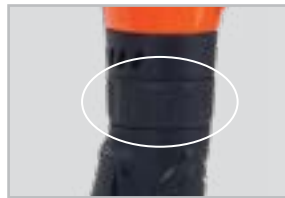
*MAX TORQUE *@15 SEC	678 NM	500 FT-LB
FREE SPEED	6,500 RPM	
AVR. AIR CONSUMPTION	119 LPM	4.2 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	1.4 KG	3.09 LB
NUT CAPACITY (MAX)	M16	



Jumbo Hammer Impact Mechanism
Instant high torque output for tough applications



360° Swivelling Exhaust



3 Speed Position Control
Adjust tool speed in forward directions. Full power in reverse




ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/307	61924	9.76	248	6


125

1/2" Impact Wrench

IPW-301

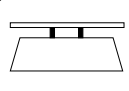


1223 NM



113 LPM

AI



2.56 KG



Robust & durable aluminium housing

Easy to use forward/reverse switch allows operator to change direction while using the tool

Ideal for use in

- a. Maintenance & repair of
 - Passenger cars
 - Roadways
 - Gear units & boxes
 - Printers press machines
- b. Repair of white goods (fans, washing machines, etc.)



SPECIFICATIONS

*MAX TORQUE *@15 SEC	1223 NM	902 FT-LB
FREE SPEED	8,000 RPM	
AVR. AIR CONSUMPTION	113 LPM	4 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	2.56 KG	5.64 LB
NUT CAPACITY (MAX)	M16	



Twin Hammer Impact Mechanism

Delivers balanced blows



Front Handle Exhaust

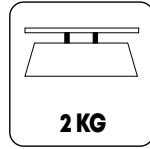
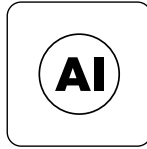
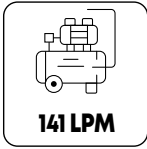


6 Speed Position Control

Adjust tool speed both in forward & reverse directions

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/301	61920	6.7	171	6



NEW!

Powerful, Robust & Reliable!
Optimised for the two wheeler Industry

Robust die-cast aluminium housing

Easy to use forward/reverse switch allows operator to change direction while using the tool

Ideal for use in

2 wheeler industry for repairs such as tyre-changing and maintenance applications

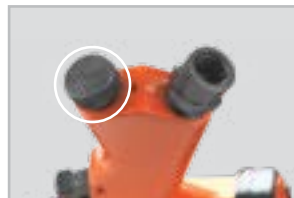


SPECIFICATIONS

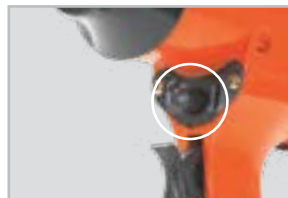
*MAX TORQUE *@15 SEC	500 NM	369 FT-LB
FREE SPEED	7,000 RPM	
AVR. AIR CONSUMPTION	141 LPM	5 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	2 KG	4.4 LB
NUT CAPACITY (MAX)	M14	



Rocking Dog Impact Mechanism
 Optimum power transmission and constant torque output



4 Speed Position Control
 Adjust tool speed in forward direction. Full speed in reverse



Front Handle Exhaust

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/302	61925	7	180	6

127

1/2" Impact Wrench

IPW-304

1492 NM	190 LPM	1.9 KG	
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Strong yet lightweight composite material construction, evenly balanced design & compact profile makes them ideal to get THE JOB DONE

Ergonomic TPR grip absorbs vibration & increases comfort

One hand forward/reverse control – Finger tip slide for quick change

Ideal for use in

- a. General automotive repair & service centers for passenger vehicles
- b. MRO jobs in railways
- c. Repair & maintenance of gear units & boxes
- d. Repair & maintenance of printing press machines



One hand F/R control

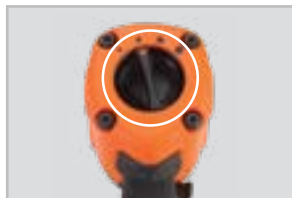


SPECIFICATIONS

*MAX TORQUE *@15 SEC	1492 NM	1100 FT-LB
FREE SPEED	8,500 RPM	
AVR. AIR CONSUMPTION	190 LPM	6.7 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	1.9 KG	4.19 LB
NUT CAPACITY (MAX)	M19	



Twin Hammer Impact Mechanism
delivers balanced blows



4 speed positive control
Adjust tool speed for different applications in the forward direction. Full power in reverse



Rear Handle Exhaust With Muffler
Directs air away from the job & operator, ensuring safety

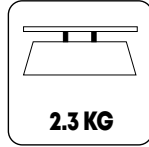
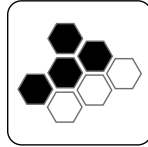
ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/304	61922	7.2	184	6

128

1/2" Impact Wrench

IPW-305

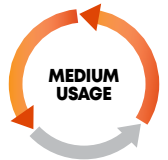


Strong yet lightweight composite material construction, evenly balanced design & compact profile makes these ideal to get THE JOB DONE

Ideal for professionals who want the perfect blend of optimum performance & comfort of use

Ideal for use in

- a. General automotive repair & service center for passenger vehicles
- b. Assembly lines for 4 wheeler & LCV's
- c. MRO jobs in railways
- d. Repair & maintenance of gear units & boxes
- e. Repair & maintenance of printing press machines
- f. Repair of white goods (fans, washing machines etc.)

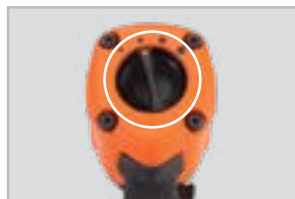


SPECIFICATIONS

*MAX TORQUE *@15 SEC	1356 NM	1000 FT-LB
FREE SPEED	9,500 RPM	
AVR. AIR CONSUMPTION	270 LPM	7.3 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	2.3 KG	5.07 LB
NUT CAPACITY (MAX)	M22	



Twin Hammer Impact Mechanism
Delivers balanced blows



3 Speed Positive Control
Adjust tool speed in forward direction. Full power in reverse



Rear Exhaust With Muffler
Directs air away from the job & operator, ensuring safety




ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/305	61923	7.5	190	6

129

1/2" Impact Wrench

IPW-306

 1200 NM	 184 LPM	 2.1 KG
-----------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------

NEW!



Powerful, lightweight & Versatile

Robust & Durable Composite body Impact Wrench

TPR grip for maximum comfort and reduced vibration

Ergonomically engineered design that reduces stress and fatigue

Ideal Use in

- Four-wheeler workshops for general automotive repair & service center for passenger vehicles
- Gear units and printing press machines for repair & maintenance



SPECIFICATIONS

*MAX TORQUE *@15 SEC	1200 NM	885 FT-LB
FREE SPEED	7,500 RPM	
AVR. AIR CONSUMPTION	184 LPM	6.5 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	2.1 KG	4.62 LB
NUT CAPACITY (MAX)	M16	



Twin Hammer Impact Mechanism
For balanced blows



3 Speed Position Control
Adjust tool in forward direction. Full power in reverse



Rear Handle Exhaust With Muffler
Reduces noise & directs air away from the working area, ensuring safety

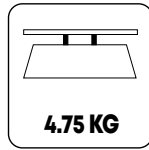
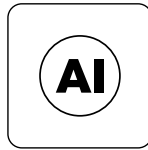
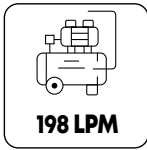
ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/306	61926	7.2	185	6

130

3/4" Impact Wrench

IPW-401



NEW! 

Robust & durable aluminium housing

Easy to use forward/reverse knob allows operator to change direction while using the tool

Ideal for use in

- a. Tyre & engine assembly on trucks, buses, tractors etc.
- b. MRO jobs in oil & gas industry
- c. Assembly work for diesel & gas engines
- d. MRO jobs in paper processing plants



SPECIFICATIONS

*MAX TORQUE *@15 SEC	2522 NM	1860 FT-LB
FREE SPEED	6,700 RPM	
AVR. AIR CONSUMPTION	198 LPM	7 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	4.75 KG	10.47 LB
NUT CAPACITY (MAX)	M24	



Improved Twin Hammer Mechanism

Upto 25% higher torque & 3 times more durable as compared to regular twin hammer mechanism



3 Speed Positive Control

Adjust tool speed in the forward direction. Full torque output in reverse direction



Rear Handle Exhaust With Muffler

Directs air away from the job & operator, ensuring safety

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/401	61930	9.2	234	4

131

3/4" Impact Wrench

IPW-402

2305 NM	207 LPM	4.19 KG	
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Lightweight yet strong composite material construction with evenly balanced design
 Ideal for professionals who want the perfect blend of optimum performance & comfort of use

Most popular, value priced professional impact wrench with the benefits of composite body combined with Improved Twin Hammer mechanism

Ideal for use in

- a. Tyre & engine assembly on trucks, buses, tractors etc.
- b. MRO jobs in oil & gas industry
- c. Assembly work for diesel & gas engines
- d. MRO jobs in paper processing plants



SPECIFICATIONS

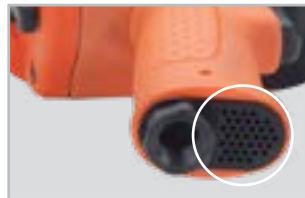
*MAX TORQUE *@15 SEC	2305 NM	1700 FT-LB
FREE SPEED	6,000 RPM	
AVR. AIR CONSUMPTION	207 LPM	7.3 CFM
AIR INLET SIZE	3/8 INCH	
AIR HOSE I.D.	1/2 INCH	
NET WEIGHT	4.19 KG	9.27 LB
NUT CAPACITY (MAX)	M26	



Improved Twin Hammer Mechanism
 Upto 25% higher torque & 3 times more durable as compared to regular twin hammer mechanism



3 Speed Positive Control
 Adjust tool speed for different applications in the forward direction. Full torque output in reverse direction



Rear Handle Exhaust With Muffler
 Directs air away from the job & operator, ensuring safety

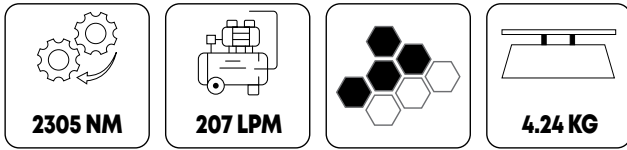
ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/402	61931	8.7	222	4

132

1" Impact Wrench

IPW-503



NEW! CE

Strong yet lightweight composite material construction, evenly balanced design & compact profile make the GROZ PRO+ Series impact wrenches ideal to get THE JOB DONE

Ideal for professionals who want the perfect blend of optimum performance & comfort of use

Most popular, value priced professional impact wrench with the benefits of composite body combined with Improved Twin Hammer mechanism

Ideal for use in

- Truck garages, construction & mining equipment where huge impact power is required
- Erection & commissioning of heavy equipment in power plants, sugar mill, cement plants & steel mills
- MRO jobs in shipping Wards
- Routine maintenance of wind mills



SPECIFICATIONS

*MAX TORQUE ^{@15 SEC}	2305 NM	1700 FT-LB
FREE SPEED	6,000 RPM	
AVR. AIR CONSUMPTION	207 LPM	7.3 CFM
AIR INLET SIZE	3/8 INCH	
AIR HOSE I.D.	1/2 INCH	
NET WEIGHT	4.24 KG	9.35 LB
NUT CAPACITY (MAX)	M26	



Improved Twin Hammer Mechanism

Upto 25% higher torque & 3 times more durable as compared to regular twin hammer mechanism



3 Speed Positive Control

Adjust tool speed for different applications in the forward direction. Full torque output in reverse direction

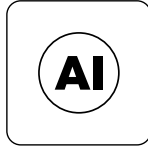


Rear Handle Exhaust With Muffler

Directs air away from the job & operator, ensuring safety

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/503	61941	8.7	222	1



Most powerful 1" wrench for heavy duty applications

Designed for exceptional power, durability & operators convenience

Robust & durable aluminium housing

D handle with inside trigger

Easy to use forward/reverse switch allows operator to change direction while using the tool

Ideal for use in

- a. Truck garages, construction & mining equipment
- b. Erection & commissioning of heavy equipment in power plants, sugar mill, cement plants & steel mills
- c. MRO jobs in shipping Wards
- d. Routine maintenance of wind mills



SPECIFICATIONS

*MAX TORQUE *@15 SEC	2522 NM	1860 FT-LB
FREE SPEED	4,000 RPM	
AVR. AIR CONSUMPTION	238 LPM	8.4 CFM
AIR INLET SIZE	3/8 INCH	
AIR HOSE I.D.	1/2 INCH	
NET WEIGHT	12.06 KG	26.59 LB
NUT CAPACITY (MAX)	M38	



Pin-Less Clutch Mechanism
For very high torque output



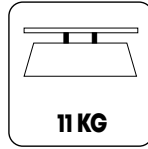
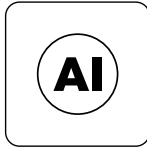
Side Handle Exhaust



3 speed position power control
Adjust tools speed both in forward & reverse direction

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/501	61940	20.3	515	1



Robust & Durable aluminum housing for demanding maintenance & production applications

The most powerful, robust & durable aluminum housing

9-inch extended anvil provides easy reach and accessibility

Superior quality D handle with trigger inside

Adjustable 4 speed position control in both forward & reverse directions

Easy to use forward/reverse switch allows operator to change direction while using the tool

Ideal for use in heavy duty applications such as

- Truck garages, construction & mining equipment where huge impact power is required
- Power plants, sugar mills, cement plants & steel mills for erection, commissioning & maintenance application of heavy equipment
- MRO operations in shipyards
- Maintenance of wind mills



SPECIFICATIONS

*MAX TORQUE *@15 SEC	2400 NM	1770 FT-LB
FREE SPEED	3,500 RPM	
AVR. AIR CONSUMPTION	247 LPM	8.7 CFM
AIR INLET SIZE	1/2 INCH	
AIR HOSE I.D.	1/2 INCH	
NET WEIGHT	11 KG	24.25 LB
NUT CAPACITY (MAX)	M32	



Twin Hammer Impact Mechanism
For balanced blows



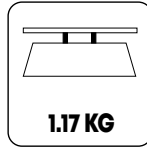
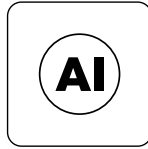
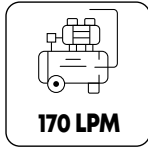
3 speed position control



Side handle exhaust
Blows air away from work place

ORDERING INFORMATION

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
IPW/502	61942	23.2	590	1



Robust & durable aluminium housing

Heat treated ratchet head design provides longer life

Chrome Molybdenum anvil guarantees high performance in the toughest applications

Optimized gear ratio and air flow for reliable performance

Easy to use forward/reverse control

Throttle lever design for easy speed control

Compact and light weight, ideal for use in confined work spaces

Excellent for body shop repair jobs and light duty work under the dashboard



SPECIFICATIONS

*MAX TORQUE *@15 SEC	68 NM	50 FT-LB
FREE SPEED	150 RPM	
AVR. AIR CONSUMPTION	170 LPM	6 CFM
AIR INLET SIZE	1/4 INCH	
AIR HOSE I.D.	3/8 INCH	
NET WEIGHT	1.17 KG	258 LB
NUT CAPACITY (MAX)	M6	

ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	OVERALL LENGTH		BOX QTY.
		(INCH)	(INCH)	(MM)	
RTW/3-8/STD	61965	3/8	10.5	267	15
RTW/1-2/STD	61970	1/2	10.5	267	15



08

**TORQUE
TOOLS**

High Accuracy Torque Wrench with unmatched safety & accuracy

48 teeth ratchet allows for an engagement angle of 7-1/2°, providing both precise adjustment & non slip use

Chrome-Molybdenum alloy Steel Square Drive

To set required torque

- Press safety button & pull out adjustment ring
- Turn ring to the desired value
- Press the safety button again & push back adjustment ring
- Wrench is set at desired torque & ready for use

Fully secure locking mechanism avoids accidental/forced adjustment

To tighten fasteners, move torque wrench in clockwise direction. Reversing the ratchet allows the wrench to be used in anti-clockwise direction, used for loosening nuts & fasteners

Clearly audible click sound on reaching the required torque

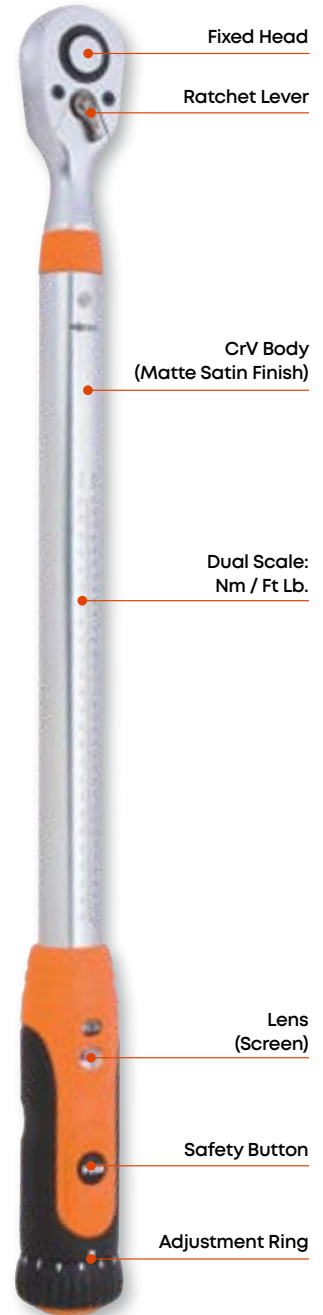
Lightweight with a comfort grip handle & lens for clear reading of the set value

Accurate to ± 4% of reading

Each unit is individually serial numbered & includes calibration certificate traceable to International Standards Institute

Fully serviceable, repair kits available as spare

Ft-lb models can be custom manufactured



ORDERING INFORMATION

CAT NR.	ORD NR.	SQUARE DRIVE	TORQUE RANGE	FINE SCALE	OVERALL LENGTH		NET WT.	BOX QTY.	
		(INCH)	(NM)	(NM)	(INCH)	(MM)			
TQW/RT/3-8/25	38905	3/8	5 - 25	0.1	12.7	323	0.765	10	
TQW/RT/3-8/50	38906	3/8	10 - 50	0.5	15.7	400	0.983	10	
TQW/RT/1-2/100	38910	1/2	20 - 100	0.5	15.7	400	0.998	10	
TQW/RT/1-2/200	38911	1/2	40 - 200	0.5	20.4	517	1.36	5	
TQW/RT/1-2/340	38912	1/2	60 - 340	1	24.4	620	1.73	6	
TQW/RT/3-4/750	38922	3/4	150 - 750	2.5	47.6	1210	5.85	1	
TQW/RT/0-1/1000	38926	1	200 - 1000	2.5	59.0	1500	7.43	1	
D10	00509	Torque wrench merchandiser stand (Torque wrench not included)							1



Comes in a blow moulded case

A range of superior digital torque wrenches for high productivity & accuracy

Button controls for angle setting*, torque setting, unit setting, mode setting, data storage**, data clear, data output & online calibration

Manufactured from Chrome Vanadium Steel with Chrome Molybdenum square drive for increased resistance to wear

Functions in both clockwise & anticlockwise direction

Interchangeable Head

The same wrench is suitable for use with two sizes of square drives. Heads available as spare too

Light & sound indication on reaching required torque.

Electronic display panel for clear reading of torque. Measure in NM, ft-lb, inch-lb & kg-cm

With both peak & track mode unlike most other models that come with just peak mode

Built-in overload indicator and moisture indicator

Works with 2xAAA batteries with a life of 110 hours

Each unit supplied with calibration certificate. Online calibration also provided

Comes in a safe to store and carry blow moulded case

Torque accuracy: ± 2% CW, ± 3% CCW

Angle accuracy: ± 2°

GROZ offers 3 types of Digital Torque Wrenches

- a. STANDARD SERIES
- b. PRO SERIES
- c. PRO+ SERIES



Interchangeable Head



LED Panel turns from green to red on reaching required torque level



12 LED light panel located on sides of the handle for clear visibility while working sideways

PRO+ SERIES

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	DRIVE	FOR USE WITH	BOX QTY.
		(MM)	(INCH)		
SPARE HEAD ONLY					
HD/TQW/9-12/3-8	38850	9 x 12	3/8	TQW/DI-AM/3-8/135, TQW/DI-M/3-8/135, TQW/DI/3-8/135	1
HD/TQW/9-12/1-2	38851	9 x 12	1/2	TQW/DI-AM/1-2/135, TQW/DI-M/1-2/135, TQW/DI/1-2/135	1
HD/TQW/14-18/1-2	38852	14 x 18	1/2	TQW/DI-AM/1-2/340, TQW/DI-M/1-2/340, TQW/DI/1-2/340	1
HD/TQW/14-18/3-4	38853	14 x 18	3/4	TQW/DI-AM/3-4/340, TQW/DI-M/3-4/340, TQW/DI/3-4/340	1

* Only on PRO+ Series
** Only on PRO & PRO+ Series



SCAN TO WATCH

A. STANDARD SERIES

With interchangeable head and 4 control buttons

Resolution:

0.1N-m/ 0.1 ft-lb/1 in-lb/1 kg-cm

LED Pattern:

4 red + 8 green

CAT NR.	ORD NR.	SQUARE DRIVE	TORQUE RANGE				TORQUE ACCURACY	END FITTING SIZE (HXW)	BOX QTY.
		(INCH)	(NM)	(FT-LB)	(IN-LB)	(KG-CM)		(MM)	
TQW/DI/3-8/135	38800	3/8	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378	± 2% CW, ± 3% CCW	9 X 12	5
TQW/DI/1-2/135	38801	1/2	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378		9 X 12	5
TQW/DI/1-2/200	38802	1/2	10 - 200	7.4 - 147.5	88 - 1770	102 - 2041		14 X 18	3
TQW/DI/1-2/340	38803	1/2	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	3
TQW/DI/3-4/340	38804	3/4	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	3

B. PRO SERIES (WITH MEMORY FUNCTION)

- With interchangeable head, memory function that can store up to 50 readings
- Operator can store up to 9 pre-set torque values - a time saving feature in repetitive applications

Resolution:

0.1N-m/ 0.1 ft-lb/1 in-lb/1 kg-cm

LED Pattern:

2 red + 10 green

CAT NR.	ORD NR.	SQUARE DRIVE	TORQUE RANGE				TORQUE ACCURACY	END FITTING SIZE (HXW)	BOX QTY.
		(INCH)	(NM)	(FT-LB)	(IN-LB)	(KG-CM)		(MM)	
TQW/DI-M/3-8/135	38810	3/8	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378	± 2% CW, ± 3% CCW	9 X 12	1
TQW/DI-M/1-2/135	38811	1/2	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378		9 X 12	1
TQW/DI-M/1-2/200	38812	1/2	10 - 200	7.4 - 147.5	88 - 1770	102 - 2041		14 X 18	3
TQW/DI-M/1-2/340	38813	1/2	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	1
TQW/DI-M/3-4/340	38814	3/4	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	1

C. PRO+ SERIES (WITH MEMORY & ANGLE FUNCTION)

- Most versatile single wrench for torque & angle tightening, eliminates the need to buy a separate angle wrench
- Angle tightening eliminates any friction issue thus ensuring complete safety
- Store up to 9 pre-set torque values - a time saving feature in repetitive applications
- Memory function that stores upto 50 readings

Resolution:

0.1N-m/ 0.1 -lb/1 in-lb/1 kg-cm & 1°

LED Pattern:

2 red + 10 green

ORDERING INFORMATION

CAT NR.	ORD NR.	SQUARE DRIVE	TORQUE RANGE				TORQUE & ANGULAR ACCURACY	END FITTING SIZE (HXW)	BOX QTY.
		(INCH)	(NM)	(FT-LB)	(IN-LB)	(KG-CM)		(MM)	
TQW/DI-AM/3-8/135	38820	3/8	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378	± 2% CW, ± 3% CCW & ± 2°	9 X 12	5
TQW/DI-AM/1-2/135	38821	1/2	6.8 - 135	5 - 99.5	60 - 1195	69 - 1378		9 X 12	5
TQW/DI-AM/1-2/200	38822	1/2	10 - 200	7.4 - 147.5	88 - 1770	102 - 2041		14 X 18	3
TQW/DI-AM/1-2/340	38823	1/2	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	3
TQW/DI-AM/3-4/340	38824	3/4	17 - 340	12.5 - 250.7	150 - 3009	173 - 3469		14 X 18	3

Manufactured to the highest level of DIN ISO 6789 & ASME B107.14M.-2004

Accurate to $\pm 4\%$ of reading

Solid steel construction for enhanced durability

Clearly Audible

Click sound on reaching the required torque

Scale reading made easy with four torque readings engraved on the steel body

Reversible Square Drive

Direction of use can be changed/reversed by pushing the square drive to the opposite side

Convenient retracting lever provides quick and easy torque adjustment

Anti-slip grip provides comfort during continuous use

Comes with calibration certificate in a safe to store & carry blow moulded case

DIN 6789
For material, hardness & performance

ASME
B107.300-2010



Convenient Retracting Lever
Provides quick and easy torque adjustment

Easy scale reading
Scale reading made easy with 4 Torque readings stamped on the steel body

Reliability
Confirms to DIN ISO 6789 & ASME B. 107.14M-2004 standards

Accuracy
The Classic Adjustable Torque Wrenches deliver accuracy of upto $\pm 4\%$

Solid Construction
Provides extra life to the torque wrench

Compact design
For easy access in confined spaces



Reversible Square Drive

ORDERING INFORMATION

CAT NR.	ORD NR.	SQUARE DRIVE (INCH)	TORQUE RANGE		OVERALL LENGTH		NET WT. (KG)	BOX QTY.
			(NM)	(LB-FT)	(INCH)	(MM)		
TQW/CL/3-8/33	38930	3/8	5-33	4-24	16-5/8	422	0.720	12
TQW/CL/3-8/68	38931	3/8	12-68	10-50	18-23/32	476	1.05	4
TQW/CL/1-2/135	38932	1/2	25-135	20-100	21-1/2	546	1.60	4
TQW/CL/1-2/225	38933	1/2	50-225	40-160	23-1/2	597	2.30	4
TQW/CL/1-2/330	38934	1/2	70-330	50-250	32-1/2	825	2.60	4
TQW/CL/3-4/800	38935	3/4	200-800	140-600	41-1/4	1049	7.58	1
TQW/CL/0-1/1000	38936	1	200-1000	140-740	53-3/5	1362	12.80	1



Comes packed in a blow moulded case

World's lightest precision torque wrench with unmatched features

Accurate to $\pm 4\%$ of reading

DIN 6789
For material, hardness & performance

50% LIGHTER

ASME B107.300-2010

50% Lighter

Lightweight yet robust aluminium construction makes this range of torque wrenches at least 50% lighter than corresponding steel models.



Perfect ergonomics & lightweight body makes these ideal for fatigue free usage in heavy workshop applications

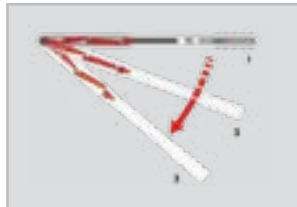
Complete with extension bar* (*only with 1" drive model) for added leverage

Torque Indication

Progressive torque building upto the pre-set value easily detected by an audible sound & impulse

Sturdy Storage

Supplied in rugged blow moulded case for extra care and protection for your valuable tool



Integrated 3 Lever Chain Mechanism
Length independence, high accuracy and reliability every time over time



Length Independent
Irrespective of where the force is applied, whether in the middle of the handle or elsewhere, with both hands or with an extension tube, the torque value is always within an accuracy of $\pm 4\%$



Dual Scale Window
Clear window for reading in NM and lbf-ft*



Torque Adjustment
Secure push-pull knob with integrated hex key for easy setting of torque



Chrome Molybdenum Square Drive: for higher strength and durability



Added Leverage
Supplied with an aluminium tube extension for increased leverage while tightening at high torque values

*extension available with 1" drive version only

ORDERING INFORMATION

CAT NR.	ORD. NR.	SQ DRIVE (INCH)	TORQUE RANGE		GRADUATION	OVERALL LENGTH		NET WT. (KG)	BOX QTY.
			(NM)	(LB-FT)		(INCH)	(MM)		
TQW/AL/3-4/760	38940	3/4	140-760	100-560	10	32-1/2	827	3.0	1
TQW/AL/0-1/2000	38941	1	750-2000	550-1470	50	93	2370	11.7	1

*Only on 3/4". On 1" single window with reading in N-m only



Digital Torque Adaptor comes with an in-built Tyre Pressure Gauge making it a must have for every mechanic

After tightening Tyre bolts, user can take measurement of Tyre pressure with the same tool

Large easy to read LCD display with backlight & a resolution of 0.1 Nm (0.1 lb-ft) / 0.1 PSI

Light & sound indication with three LED lights which turn from Green to Red on reaching the required torque level

Measures Torque in 5 units

Nm, Lb-ft, In-ft, kg-m, Kg-cm

Measure Pressure in 4 Units

PSI, Kpa, Bar, Kg-cm

Memory function that can store up to 50 readings

Working Modes

- a. **Mode 1**
Digital Torque Adaptor
- b. **Mode 2**
Tyre Pressure Gauge

Works with 2 AAA batteries with a life of 50 continuous working hours

Each unit is supplied with calibration certificate

Comes in a safe to store & carry blow moulded case



MODE 1
Use as digital torque adaptor



MODE 2
Use as Tyre pressure gauge

SPECIFICATIONS

TORQUE ACCURACY	± 2%
WORKING TORQUE	40 - 200 NM (29.5 - 147.6 LB-FT)
GAUGE PRESSURE	UPTO 100 PSI (7 BAR)
SQUARE DRIVE	1/2"
MODE	Trace / Peak
BACKLIGHT	Yes
ALERT	LED & Buzzer
SIZE	75 mm (3")
WEIGHT	230 gms (0.5 lbs)
OPERATING AMBIENT TEMPERATURE	-10°C to 60°C (14°F to 140°F)
STORAGE TEMPERATURE	-20°C to 70°C (-4°F to 158°F)
AUTO SHUT-OFF	60 seconds

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
TQA/D/200/100	38890	20



Heavy duty torque multiplier provides mechanical advantage in applying high torque to tighten nuts & bolts

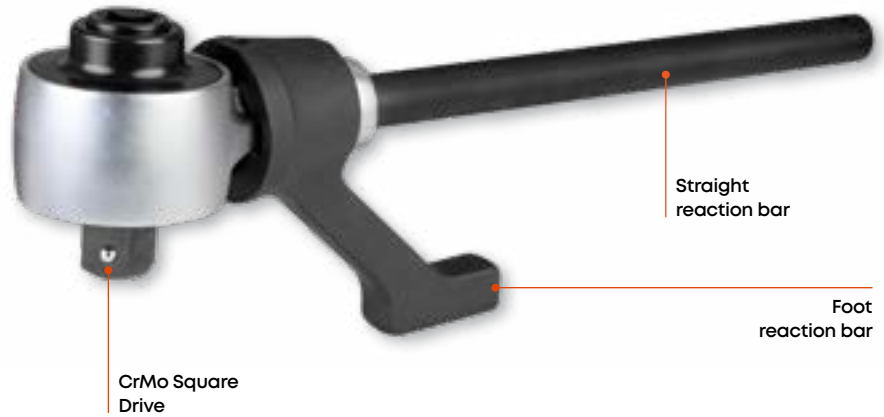
Chrome Vanadium body with Chrome Molybdenum square drive & Chrome Molybdenum reaction bar

Planetary gear train mechanism multiplies the input torque as per the multiplication factor to deliver output torque

Torque multiplicative factor reduces operator effort by upto 75%

Replaces the use of long levers, which can be potentially dangerous

Comes complete with straight reaction bar and foot reaction bar in a blow moulded case



SPECIFICATIONS

DESCRIPTION	1:3 TORQUE MULTIPLIER 1500 NM (1100 LB-FT)	1:3 TORQUE MULTIPLIER 3000 NM (2200 LB-FT)
MAX. TORQUE	1500 (1100 lb-ft)	3000 (2200 lb-ft)
TORQUE RATIO	1 : 3	1 : 3
GEAR RATIO	1 : 3.5	1 : 3.5
MAX. INPUT TORQUE	500 Nm (365 lb-ft)	1000 Nm (730 lb-ft)
MAX. OUTPUT TORQUE	1500 Nm (1100 lb-ft)	3000 (2200 lb-ft)
INPUT DRIVE	1/2"	3/4"
OUTPUT DRIVE	3/4"	1"
TORQUE ACCURACY	±6%	±6%

ORDERING INFORMATION

CAT NR.	ORD NR.	MAX. TORQUE		BOX QTY.
		(NM)	(LB-FT)	
TQM/A/1-2/3-4/15	38997	1500	1100	1
TQM/A/3-4/0-1/30	38998	3000	2200	1



Foot reaction bar for obstacles at short distance



Straight reaction bar for obstacles at distance





09

**TOOL
STORAGE**



Manufactured from heavy gauge steel sheet

Rugged double wall construction for enhanced durability

Corrosion resistant powder coated finish

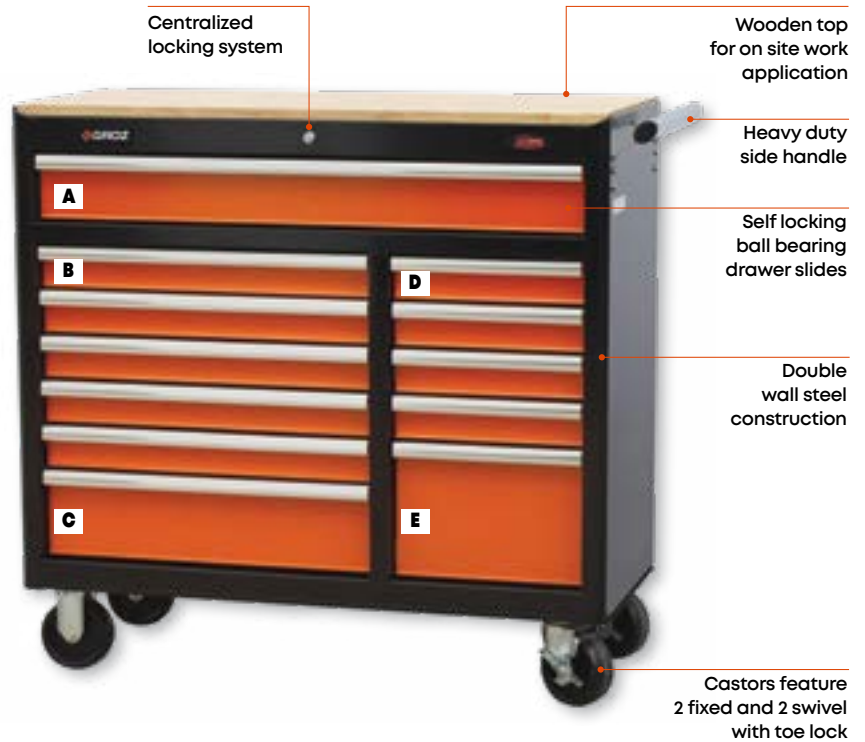
Drawers with ball bearing slides for 100% opening

All drawers lined with 2mm vinyl sheet

Integrated centralised locking system to lock/unlock all drawers in a single operations

4 heavy duty castors - 5" x 2" (125 x 50mm). Rear castors with brakes for safety

Ergonomic handle for ease of movement



MTB-12

12 Drawer Portable Workstation

DRAWER	WIDTH		DEPTH		HEIGHT		NO. OF DRAWERS
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
A	36-5/8	928	15-1/8	385	4-3/8	112	1
B	22-3/8	568	15-1/8	385	2-7/8	74	5
C	22-3/8	568	15-1/8	385	6	153	1
D	11-5/8	297	15-1/8	385	2-7/8	74	4
E	11-5/8	297	15-1/8	385	9-1/8	232	1

SPECIFICATIONS

AVG. DRAWER LOAD CAPACITY	45 KG	90 LBS
TROLLEY LOAD CAPACITY	450 KG	992 LBS

ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSION (WXDXH)		BOX QTY.
		(INCH)	(MM)	
MTB/12/WD	40001	42 x 18 x 39	1067 x 457 x 985	1
MTB/7	40005	27 x 18 x 39	686 x 457 x 985	1

MTB-7

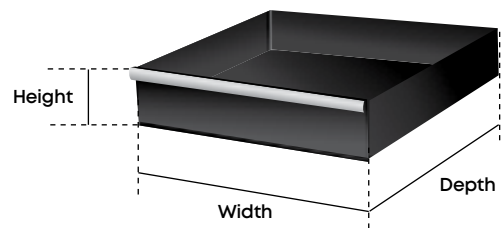
MTB-12



MTB-7

7 Drawer Portable Workstation

DRAWER	WIDTH		DEPTH		HEIGHT		NO. OF DRAWERS
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
A	22-3/8	568	15-1/8	391	2-5/8	62	5
B	22-3/8	568	15-1/8	391	5-3/8	137	2



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**Universal Tool Kit
154 Piece**


154 Piece Automotive Tool Kit comes in a 7 Drawer Portable Workstation (MTB/7)




A versatile set with an organized layout, makes it convenient to find tools

Ideal for maintenance and service work on automobiles



Tools supplied with trolley

	QTY.	CONTENT OF TOOL TROLLEY	SIZE	IMAGE
TRAY 1	7 pcs	1/4" Hex Bit Sockets	3, 4, 5, 6, 7, 8, 10 mm	
	13 pcs	1/4" Hex Sockets	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm	
	3 pcs	1/4" Slotted Bit Sockets	4, 5.5, 7 mm	
	3 pcs	1/4" Philips Bit Sockets	PH1, PH2, PH3	
	8 pcs	1/4" Torx Bit Sockets	T8, T10, T15, T20, T25, T27, T30, T40	
	9 pcs	1/4" Hex Sockets Deep	5, 6, 7, 8, 9, 10, 11, 12, 13 mm	
	1 pc	1/4" Ratchet Handle		
	3 pcs	1/4" Pozi Bit Sockets	PZ1, PZ2, PZ3	
	3 pcs	1/4" Extension Bar	50, 100, 150 mm	
	1 pc	1/4" Universal Joint		
	1 pc	Spinner Handle	1/4"	
	1 pc	Sliding T Bar	1/4"	
	22 pcs	1/2" Hex Sockets	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 32 mm	
	1 pc	Sliding T Bar	1/2"	
	2 pcs	1/2" Spark Plug Socket	16, 21 mm	
	1 pc	1/2" Ratchet handle		
	1 pc	1/2" Power Bar	375 mm	
	2 pcs	1/2" Extension Bar	125, 250 mm	
	1 pc	Ratcheting Torque Wrench	40-200 Nm	
	1 pc	1/2" Universal Joint		

	QTY.	CONTENT OF TOOL TROLLEY	SIZE	IMAGE
TRAY 2	1 pc	Combination Plier	200 mm	
	1 pc	Diagonal Cutting Plier	200 mm	
	1 pc	Long Nose Plier	200 mm	
	1 pc	Water Pump Plier	250 mm	
	1 pc	Circlip Plier - Internal Straight	175 mm	
	1 pc	Circlip Plier - Internal Bent	175 mm	
	1 pc	Circlip Plier - External Straight	175 mm	
	1 pc	Circlip Plier - External Bent	175 mm	
	1 pc	Adjustable Wrench	375 mm	
	1 pc	Locking Plier	250 mm	
TRAY 3	5 pcs	Offset Ratcheting Ring Spanners	6x8, 10x11, 13x14, 15x17, 19x21 mm	
	25 pcs	Offset Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 mm	
TRAY 4	7 pcs	Flat Screwdriver	3x75, 4x100, 4x100, 6.5x38, 6.5x100, 6.5x150, 8.0x150 mm	
	4 pcs	Phillips Screwdriver	PH1x75, PH2x100, PH2x38, PH3x150	
	Set of 8 pcs	Tamper Torx Star Keys	T9, T10, T15, T20, T25, T27, T30, T40	
	1 pc	LED Flashlight	Extends from 17-55 cm, with Telescopic Magnetic Pick-Up	
	Set of 9 pcs	Hex Key Set with Ball End - Extra Long - Metric	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm	

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
MTB/7/154/AU	40057	1

144

Automotive Tools Kit 84 Piece

84 Piece Automotive Tool Kit comes in a 7 Drawer Portable Workstation (MTB/7)

A versatile set with an organized layout, makes it convenient to find tools

Ideal for maintenance and service work on automobiles



Tools supplied with trolley

	QTY.	CONTENT OF TOOL TROLLEY	SIZE	IMAGE
TRAY 1	17 pcs	1/2" Hex Sockets	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 mm	
	5 pcs	1/2" Hex Sockets Deep	10, 14, 17, 19, 22 mm	
	1 pc	Ratchet handle	1/2"	
	1 pc	Sliding T Bar	1/2"	
	1 pc	L Handle	1/2"	
	1 pc	Universal Joint	1/2"	
	2 pcs	1/2" Extension Bar	5", 10"	
	2 pcs	1/2" Spark Plug Socket	16, 21 mm	
	2 pcs	Adaptors	1/2 F x 3/4 M, 1/2 F x 3/8 M	
	1 pc	Combination Plier	200 mm	
	1 pc	Diagonal Cutting Plier	175 mm	
	1 pc	Long Nose Plier	175 mm	
	1 pc	Circlip Plier - Internal Straight	150 mm	
	1 pc	Circlip Plier - Internal Bent	150 mm	
	1 pc	Circlip Plier - External Straight	150 mm	
	1 pc	Circlip Plier - External Bent	150 mm	
	Set of 9 pcs	Hex Key Set with Ball End - Extra Long - Metric	1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0 mm	
1 pc	20 leaf - Feeler Gauge	Blade Length: 150 mm		

	QTY.	CONTENT OF TOOL TROLLEY	SIZE	IMAGE
TRAY 2	4 pcs	Pin Punch Set	1/16", 1/8", 3/16" & 5/32"	
	1 pc	Ball Pein Hammer	Head Weight: 24oz., Handle Length: 14"	
	1 pc	Plastic Mallet	Head Dia: 25mm	
	1 pc	Chisels	Blade Width: 1" (25 mm), Overall Length: 10" (250 mm)	
	1 pc	Cat Bar	16" (400 mm)	
	1 pc	Hacksaw Frame	12", with Bi-Metal Blade	
	1 pc	Adjustable Wrench	10" (250 mm)	
	1 pc	Water Pump Plier	10" (250 mm)	
	1 pc	Locking Plier	10" (250 mm)	
TRAY 3	12 pcs	Double Open End Spanner Set	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm	
	12 pcs	Ring Spanner Set	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm	
	1 pc	Rust Preventive Lubricant Spray - GO 20	300 gms	
	1 pc	Retra Knife	KNV/R/6	
	2 pc	Flat Screwdriver	6.5 x 100, 8 x 150 mm	
	2 pc	Phillips Screwdriver	PH 1x75, PH 2x100	

ORDERING INFORMATION

CAT NR.	ORD NR.	IDEAL FOR	BOX QTY.
MTB/7/84/AU	40060	4 wheeler workshops	1

145

Automotive Tools Kit 65 Piece


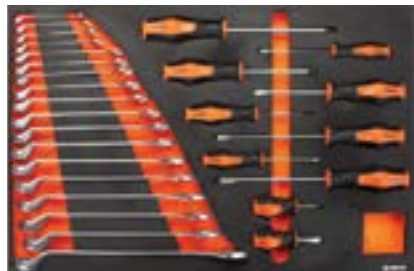
65 Piece Automotive Tool Kit comes in a 7 Drawer Portable Workstation (MTB/7)

A versatile set with an organized layout, makes it convenient to find tools

Ideal for maintenance and service work on automobiles



Tools supplied with trolley

	QTY.	CONTENT OF TOOL TROLLEY	SIZE	
TRAY 1	20 pcs	1/2" Hex Sockets	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm	
	1 pc	1/2" Ratchet Handle		
	2 pcs	1/2" Extension Bars	125 & 250 mm (5" & 10")	
	1 pc	1/2" Universal Joint		
	Set of 7 pcs	Hex Key Set with Ball End - Long - Metric	2.5, 3, 4, 5, 6, 8, 10 mm	
	1 pc	1/2" Sliding T Bar		
	2 pcs	1/2" Spark Plug Socket	16 & 21 mm	
	1 pc	Heavy Duty Pin Punch	6 mm	
	1 pc	Locking Plier	250 mm (10")	
	1 pc	Ball Pein Hammer - Hickory Wood	456 gms	
TRAY 2	18 pcs	Deep Offset Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm	
	4 pcs	Phillips Screwdriver	Ph 2x38 mm, Ph 1x75 mm, Ph 2x100 mm, Ph 3x150 mm	
	6 pcs	Slotted Screwdriver	6.5x38 mm, 3x75 mm, 4x100 mm, 6.5x100 mm, 6.5x150 mm, 8x150 mm	

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
MTB/7/65/AU	40059	1

Ultimate Mobile Tool Storage & Transport Solution

Manufactured from heavy gauge and water resistant 600 denier polyester for rough and tough usage

Designed with deep pockets for convenient storage of tools with longer length & height

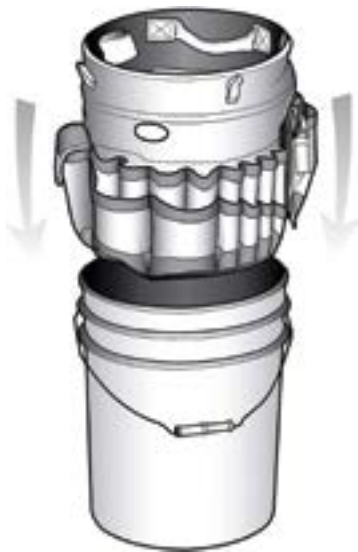
30 Pockets

- 12 Small and 18 Large, with 22 Exterior and 8 Interior Pockets
- Additional 3 Interior Loops for holding hammers, pry bars and drills

Open bucket style for full use of bucket interior

Supplied without bucket & tools

NEW!



Fits most 3-5 gallon (20 litre) buckets
(Bucket not included)



Tools & Bucket
not included

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
NTB/5	33514	10

Durable, high quality water and abrasion resistant denier polyester tool bags. Double layered construction for enhanced durability

Wide opening for easy access to contents

Easy pull heavy duty zipper

Handle stitching area reinforced for maximum durability

Rigid and waterproof base with TPR knobs to prevent damage from floor

Shoulder strap with cushioned rubber reinforcement on shoulder level

Tools not included



NTB-3
Medium



NTB-1
Large



NTB-2
X-Large



ORDERING INFORMATION

CAT NR.	ORD NR.	LOAD CAPACITY		DIMENSIONS		SIZE	BOX QTY.
		(KG)	(LBS)	(INCH)	(MM)		
NTB/3	33512	10	22	12 × 9 × 5.5	300 × 225 × 140	Medium	20
NTB/1	33510	30	66	16.5 × 10.2 × 11.8	420 × 260 × 300	Large	10
NTB/2	33511	60	132	17.9 × 11.0 × 11.8	455 × 280 × 300	X-Large	5

Durable, high density denier fabric bag pack with foam lined back. Water and moisture proof keeping contents safe

Multiple pockets and division for organized tooling

Safe and secure laptop and A4 document compartment

Cushioned shoulder straps for ergonomic and convenient carriage

Dual zipper closure enables opening from both ends

Rigid Form: Can stand in open position enabling easy access to all contents

Comes with additional layer of waterproof covering to keep back pack safe against rain & water



* Contents not included

ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSIONS (LXDXW)		BOX QTY.
		(INCH)	(MM)	
NTB/4	33513	19.2 x 13.7 x 16.9	490 x 350 x 430	10



149

Aluminium Tool Box

MTB-5AL

- ✓ Ultra Safe
- ✓ Ultra Light
- ✓ Super Strong
- ✓ Weather Proof
- ✓ Rust Proof
- ✓ Dent Proof
- ✓ Theft Proof

Full aluminium die cast construction super light yet strong and sturdy

No spot welds

No over lapping compartments

Full spread visibility

Cast-In lid hinges with non-removable pins

Extra large size for holding a whole lot of tools

Attractive powder coated finish

Lockable: Keeps contents safe



*Tools not included



SCAN TO WATCH



50 KG

SPECIFICATIONS

LOAD BEARING CAPACITY	50 KG	110 LBS
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CAT NR.	ORD NR.	DIMENSIONS		WEIGHT (KG)	BOX QTY.
		(INCH)	(MM)		
MTB/5/AL	40004	18.1 X 9.45 X 8.66	460 X 240 X 220	6.7	1

150

5 Tray Cantilever Tool Box

MTB-5



General purpose cantilever tool box

Manufactured from heavy gauge steel sheet

Corrosion resistant powder coated finish

Full spread cantilever mechanism gives quick & easy access to all stored parts

Trays open automatically when handle is depressed & close when lifted

Lid incorporates provision for padlock

Also available with 4 wheel trolley made from heavy gauge steel sheet. Heavy duty castors for convenient movement in the workshop/ garage



MTB/5



MTB/5T
With Wheeled Trolley

SPECIFICATIONS

LOAD BEARING CAPACITY	35 KG	77 LBS
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Full spread cantilever mechanism



ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	TOOL BOX DIMENSIONS		BOX QTY.
			(INCH)	(MM)	
MTB/5	40002	Tool Box	17-5/16 x 7-7/8 x 7-7/8	440 x 200 x 200	1
MTB/5T	40003	Tool Box with Trolley			1

Comprehensive Mechanic's Tool Kit comes in an Aluminium Tool Box (MTB/5/AL)

Ideal for general purpose repair use in automotive workshops, garages & service centres

Size of Tool Box:

18.1" x 9.45" x 8.66"
(460 x 240 x 220 mm)

Heavy duty die cast aluminium tool box for increased durability

	QTY	CONTENTS OF TRAY	SIZE	IMAGE
TRAY 1	2 pcs	Philips Screwdriver	Ph 2x38 mm, Ph 3x150 mm	
	3 pcs	Slotted Screwdriver	6.5x38 mm, 3x75 mm, 6.5x150 mm	
TRAY 2	2 pcs	1/2" Extension Bars	125 & 250 mm (5" & 10")	
	1 pc	1/2" Universal Joint		
	1 pc	1/2" Sliding T Bar		
	1 pc	Heavy Duty Pin Punch	1/4" (6 mm)	
	1 pc	Ball Pein Hammer - Hickory Wood	16 oz. (456 gms)	
TRAY 3	18 pcs	Deep Offset Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm	
	Set of 7 pc	Hex Key Set with Ball End - Long - Metric	2.5, 3, 4, 5, 6, 8, 10 mm	
	1 pc	Locking Plier	250 mm (10")	
TRAY 4	20 pcs	1/2" Hex Sockets	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm	
	1 pc	1/2" Ratchet Handle		
	2 pcs	1/2" Spark Plug Socket	16 & 21 mm	
TRAY 5	2 pcs	Philips Screwdriver	Ph 1x75 mm, Ph 2x100 mm	
	3 pcs	Slotted Screwdriver	4x100 mm, 6.5x100 mm, 8x150 mm	
TRAY 6	1 pc	Long Nose Plier	8" (200 mm)	
	1 pc	Combination Plier	8" (200 mm)	
	1 pc	Side Cutting Plier	8" (200 mm)	



MTB/5AL/66/AU
65 Piece Mechanic's Tools Kit



MTB/5AL/64/AU
64 Piece Mechanic's Tools Kit

ORDERING INFORMATION

CAT NR.	ORD NR.	CONTENTS	BOX QTY.
MTB/5AL/66/AU	40056	Tray 1, 2, 3, 4, 5	1
MTB/5AL/64/AU	40058	Tray 2, 3, 4, 5, 6	1



84 pcs tool assortment in metric sizes for use in automotive workshops & service stations

Tool box manufactured from heavy gauge steel sheet

Rugged construction to withstand repeated use in tough conditions



MTB/5/84/AU
84 Piece Mechanic's Tools Kit

QTY.	CONTENT	SIZE
1 Set	Hexagon Key Set (set of 9 pcs)	With Ball End - Extra Long - Metric - 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10 mm
12 pcs	Double Open End Spanner Set	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32
12 pcs	Ring Spanner Set	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32
4 pcs	Pin Punch Set	1.5, 2.5, 3, 4 mm
2 pcs	Flat Screwdriver	6.5 x 125 mm; 8 x 150 mm
2 pcs	Philips Screwdriver	1 x 80 mm; 2 x 100 mm
1 pc	Side Cutting Plier	7" (175 mm)
1 pc	Long Nose Plier	7" (175 mm)
1 pc	Combination Plier	8" (200 mm)
1 pc	Circlip Plier - Bent External	6" (150 mm)
1 pc	Circlip Plier - Bent Internal	6" (150 mm)
1 pc	Circlip Plier - Straight External	6" (150 mm)
1 pc	Circlip Plier - Straight Internal	6" (150 mm)
1 pc	Ball Pein Hammer	Head weight - 24 oz., Handle length - 14"
1 pc	Plastic Mallet	25 mm

QTY.	CONTENT	SIZE
1 pc	Chisel	Blade Width - 1"(25 mm), Overall Length - 10" (250 mm)
1 pc	Cat Bar	16" (400 mm)
1 pc	Hacksaw frame	12" with Bi-Metal Blade
17 pcs	1/2" Hex Socket	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 mm
5 pcs	1/2" Hex Socket - Deep	10, 14, 17, 19, 22 mm
1 pc	1/2" Ratchet handle	
1 pc	1/2" Sliding T Bar	
1 pc	1/2" L Handle	
2 pcs	1/2" Universal Joint	
2 pcs	1/2" Extension Bar	5" & 10"
2 pcs	1/2" Spark Plug Socket	16 mm & 21 mm
2 pcs	Socket Adaptors	1/2 F x 3/4 M, 1/2 F x 3/8 M
1 pc	Feeler Gauge	20 leaves, 150 mm
1 pc	Adjustable Wrench	10" (250 mm)
1 pc	Water Pump Plier	10" (250 mm)
1 pc	Locking Plier	10" (250 mm)
1 pc	Rust Preventive Lubricant Spray - GO20	300 gms
1 pc	Retra Knife	
1 pc	5 Tray Cantilever Tool Box	

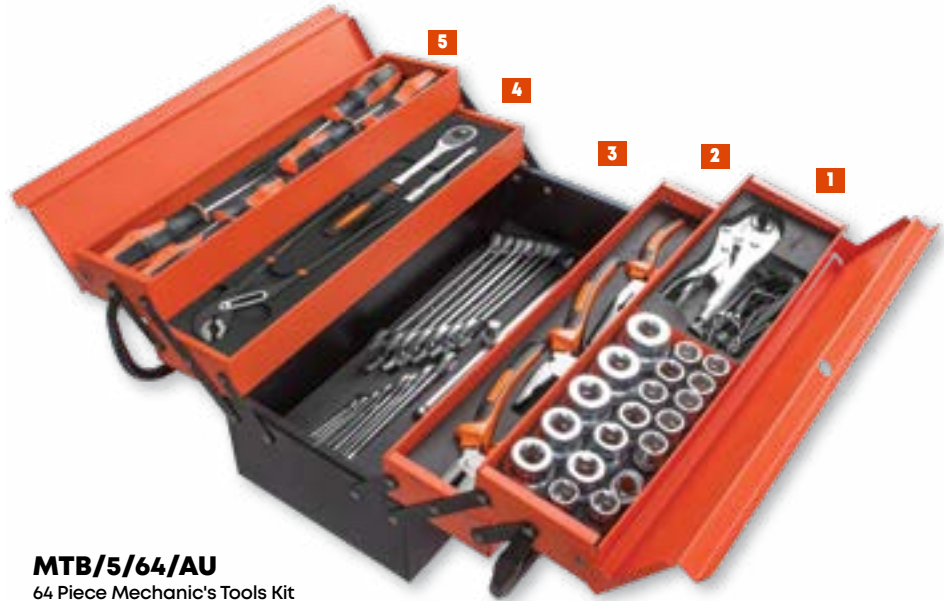
ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
MTB/5/84/AU	40053	84 pieces set with hex sockets	1
MTB/5/64/AU	40062	64 pieces set with hex sockets	1
MTB/5/64BH/AU	40063	64 pieces set with bi-hex sockets	1

64 pcs tool assortment in metric sizes for use in automotive workshops & service stations

Tool box manufactured from heavy gauge steel sheet

Rugged construction to withstand repeated use in tough conditions



MTB/5/64/AU
64 Piece Mechanic's Tools Kit



	QTY	CONTENTS OF TRAY	SIZE	IMAGE
TRAY 1	19 pcs	1/2" Sockets	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 26, 27, 28, 30, 32 mm	
	10 pcs	Hexagonal Keys	1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10 mm	
	1 pc	Self Locking Plier	7" (175 mm)	
TRAY 2	1 pcs	Combination Plier	8" (200 mm)	
	1 pc	Long Nose Plier	8" (200 mm)	
	1 pc	Side Cutting Plier	7" (175 mm)	
TRAY 3	17 pcs	Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	
	1 pc	Ball Pein Hammer - Wood Handle	16 oz. (453 g)	
	1 pc	1/2" Extension Bar	10" (250 mm)	
	1 pc	1/2" Sliding T-bar	-	
	1 pc	1/2" Universal Joint	-	
TRAY 4	1 pc	Water Pump Plier	10" (250 mm)	
	1 pc	1/2" Ratchet Handle	-	
	1 pc	1/2" Extension Bar	5" (125 mm)	
TRAY 5	6 pcs	Screwdriver	FL4 × 100 mm, FL6 × 100 mm, FL8 × 150 mm, PH1 × 75 mm, PH2 × 100 mm, PH3 × 150 mm	

10

SPANNERS & WRENCHES





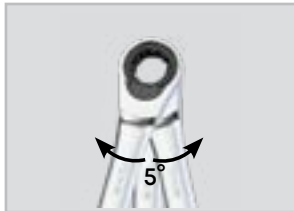
Ratcheting ring feature allows increased working speed, eliminating the need to remove the spanner from the fastener after each turn

Narrow and thin head, combined with fine gear tooth design makes the Ratcheting Spanner suitable for working in tight and hard to access areas where a ratchet and socket will not fit

Reversible lever to change the action direction

15° offset at ring end, makes it easy to gain access to the fasteners and achieve high leverage

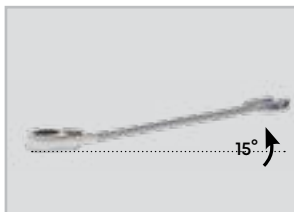
Chrome plated for corrosion protection with ultra premium finish for scratch proof surface



72 Teeth with 5 degree action arc:
Provide extreme high torque for professional users



Reversible Lever:
Makes it easy to switch the action direction



Higher Accessibility:
Offset at the ring end with 15° angle for easier access & higher leverage



CSS/RRT/7ST/UG

Reversible Lever

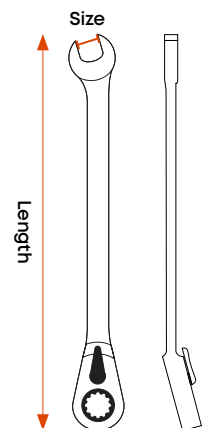
72 Teeth Ratchet

Bi-hex profile: Grips the fastener better

ORDERING INFORMATION

CAT NR.	ORD. NR	SIZE	LENGTH		WEIGHT (GMS)	BOX QTY.
		(MM)	(INCH)	(MM)		
* CSP/RRT/8/UG	33802	8	5 - 1/2	140	40	100
* CSP/RRT/10/UG	33804	10	6 - 5/16	160	55	100
* CSP/RRT/12/UG	33806	12	6 - 11/16	170	80	100
* CSP/RRT/13/UG	33807	13	7 - 3/32	180	95	100
* CSP/RRT/14/UG	33808	14	7 - 1/2	190	110	100
* CSP/RRT/17/UG	33811	17	9	225	180	80
* CSP/RRT/19/UG	33813	19	9 - 5/8	245	235	60
SET						
CSS/RRT/7ST/UG	33850	7 pc set: 8, 10, 12, 13, 14, 17, 19 mm				10

* Best Seller





Designed for high torque applications with outstanding quality & performance. Ideal choice for quick & convenient use in tight spaces.

Exceeds ANSI and DIN standard

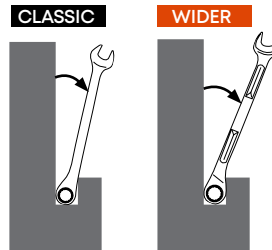
15% longer than traditional ratcheting wrenches, giving the user more leverage with less effort

Ratcheting ring feature allows increased working speed, eliminating the need to remove the wrench from the fastener after each turn

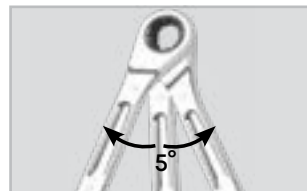
Fine gear tooth design makes the Ratcheting Wrench suitable for working in tight and hard to access areas where a ratchet and socket will not fit

Narrow and thin head with a wider turning angle ensures the user has more space to operate

Chrome plated for corrosion protection with ultra premium finish for scratch proof surface



A wider turning angle as compared to traditional wrenches giving the user more space to operate



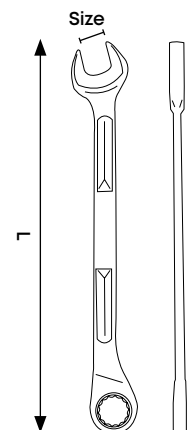
72 Teeth with 5 degree action arc: for smooth movement

Bi-hex profile: Firm grip on fasteners



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)	CAT NR.	ORD NR.	SIZE (INCH)	LENGTH (L)		BOX QTY.
						(MM)	(INCH)	
METRIC SIZES			IMPERIAL SIZES					
CSP/XRT/8/UG	33862	8	CSP/XRT/5-16/UG	33961	5/16	148	5-27/32	200
CSP/XRT/10/UG	33864	10	CSP/XRT/3-8/UG	33962	3/8	167	6-37/64	200
CSP/XRT/12/UG	33866	12	-	-	-	196	7-23/32	200
CSP/XRT/13/UG	33867	13	CSP/XRT/1-2/UG	33964	1/2	205	8	200
CSP/XRT/14/UG	33868	14	CSP/XRT/9-16/UG	33965	9/16	223	8-25/32	150
CSP/XRT/17/UG	33871	17	CSP/XRT/11-16/UG	33967	11/16	262	10-21/64	100
CSP/XRT/19/UG	33873	19	CSP/XRT/3-4/UG	33968	3/4	281	11	100
SET								
CSS/XRT/7ST/UG	33890	Set of 7 extra long Ratching Spanners in metric sizes, 8- 19 mm						25




NEW!
DIN 894
 For material, hardness
 & performance

Forged from chrome vanadium steel,
 fully hardened and tempered

Manganese phosphate finish inhibits
 rust and corrosion

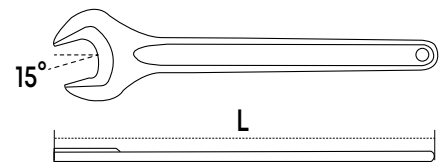
15° offset for higher leverage and easy
 access to fasteners in difficult to reach
 areas

Popular for heavy-duty industrial
 applications on machines, engines etc.
 Larger sizes are useful in ship building,
 oil industry and other heavy industrial
 applications


ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH (L)		SHANK THICKNESS (MM)	BOX QTY.
		(MM)	(INCHES)		
SOEW/36	34430	299	11-49/64	7.2	20
SOEW/38	34431	324	12-3/4	7.6	20
* SOEW/41	34432	334	13-5/32	8.0	20
* SOEW/46	34433	370	14-9/16	8.5	20
* SOEW/50	34434	400	15-3/4	9.0	20
* SOEW/55	34435	445	17-33/64	10.0	15
SOEW/60	34436	480	18-57/64	10.5	15
SOEW/65	34437	520	20-15/32	11	10
SOEW/70	34438	570	22-7/16	13	10
SOEW/75	34439	620	24-13/32	15	10
SOEW/80	34440	620	24-13/32	15	5
SOEW/85	34441	720	28-11/32	17	5
SOEW/90	34442	720	28-11/32	17	5
SOEW/95	34443	720	28-11/32	17	5

* Best Seller





Forged from Chrome Vanadium Steel, hardened 39–46 HRC and tempered

Used for tightening and slackening large nuts & bolts in ship maintenance, mining, piping and other similar industrial applications

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 2 types:
 a. Ring Slogging Wrenches
 b. Open Jaw Slogging Wrenches



Ring Slogging Wrenches



Open Jaw Slogging Wrenches

ORDERING INFORMATION

CAT. NR.	ORD NR.	SIZE (MM)	BOX QTY.
RING SLOGGING WRENCHES - METRIC			
RSW/22	31825	22	40
RSW/24	31800	24	40
* RSW/27	31801	27	40
* RSW/30	31802	30	40
RSW/32	31803	32	40
RSW/34	31804	34	30
* RSW/36	31805	36	30
RSW/38	31806	38	30
* RSW/41	31807	41	30
RSW/42	31814	42	30
RSW/46	31808	46	24
RSW/50	31809	50	15
RSW/55	31810	55	12
RSW/60	31811	60	10
RSW/65	31812	65	10
RSW/70	31813	70	10
RSW/75	31815	75	5
RSW/80	31816	80	3
RSW/85	31817	85	2

* Best Seller

CAT. NR.	ORD NR.	SIZE (MM)	BOX QTY.
OPEN JAW SLOGGING WRENCHES			
OSW/22	31850	22	40
OSW/24	31851	24	40
OSW/27	31852	27	40
OSW/30	31853	30	40
OSW/32	31854	32	40
OSW/34	31855	34	30
OSW/36	31856	36	30
OSW/38	31857	38	30
OSW/41	31858	41	30
OSW/42	31875	42	30
OSW/46	31859	46	24
OSW/50	31860	50	15
OSW/55	31861	55	12
OSW/60	31862	60	10
OSW/65	31863	65	10
OSW/70	31864	70	10
OSW/75	31865	75	5
OSW/80	31866	80	3
OSW/85	31867	85	2

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 2 types:

a. Metric Sizes

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

b. BA Sizes

Measured in accordance with British Association specifications



ORDERING INFORMATION

CAT. NR.	ORD NR.	NOMINAL SIZE	LENGTH	TOMMY BAR		BOX QTY.
			(MM)	LENGTH (MM)	DIA (MM)	
METRIC SIZES						
BW/6-7	32000	6 mm x 7 mm	102	77	3	50
BW/8-9	32001	8 mm x 9 mm	102	102	6	50
BW/10-11	32002	10 mm x 11 mm	102	102	6	50
BW/12-13	32003	12 mm x 13 mm	102	102	6	50
BW/14-15	32004	14 mm x 15 mm	127	152	9	50
BW/16-17	32005	16 mm x 17 mm	127	152	9	30
BW/18-19	32006	18 mm x 19 mm	127	152	9	30
BW/20-21	32007	20 mm x 21 mm	127	152	9	30
BW/22-23	32008	22 mm x 23 mm	127	152	9	25
BW/24-25	32009	24 mm x 25 mm	152	203	12	25
BW/26-27	32010	26 mm x 27 mm	152	203	12	25
BW/30-32	32013	30 mm x 32 mm	152	256	16	20
SETS						
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.				20
BA SIZES						
BW/BA/0-1	32200	0.423" x 0.368"	76.5	77	5	30
BW/BA/2-3	32201	0.330" x 0.283"	76.5	77	5	30
BW/BA/4-5	32202	0.254" x 0.222"	76.5	77	5	30
BW/BA/6-7	32203	0.198" x 0.173"	76.5	77	3	30
BW/BA/8-9	32204	0.157" x 0.134"	76.5	77	3	30
▶ BW/BA/10	32205	0.118"	76.5	77	3	30
SETS						
BW/BA/6/ST	32208	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.				20

▶ Single 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

Forged from alloy steel with rust inhibiting bright nickel plating

Supplied with Tommy Bar



Alloy Steel
Wheel Wrenches
With Tommy Bar

ORDERING INFORMATION

CAT. NR.	ORD NR.	SIZE	OVERALL LENGTH		BOX QTY.
		(MM)	(INCH)	(MM)	
WW/D/24-27	31900	24 x 27	16	400	25
* WW/D/27-30	31901	27 x 30	16	400	10
WW/D/27-32	31902	27 x 32	16	400	10
WW/D/27-33	31903	27 x 33	16	400	10
* WW/D/30-32	31904	30 x 32	16	400	10
* WW/D/30-33	31905	30 x 33	16	400	10
WW/D/32-38	31906	32 x 38	16	400	10
WW/D/35-17	31907	35 x 17	16	400	10
WW/D/38-21	31908	38 x 21	16	400	10
* WW/D/41-21	31909	41 x 21	16	400	10
SPARE TOMMY BAR					
TMB/WW/D/430-19	31940	430mm x 19mm			25

* Best Seller

GROZ extending wheel nut wrench is designed to loosen out and remove even the most rusted and jammed wheel nuts

Telescopic handle extends from 14" (350 mm) to 22" (550 mm) giving extra leverage for ease of use. Compacts to 14" for easy storage

Manufactured from alloy steel, the wrench comes in premium powder coated finish. Fitted with TPR handle for ergonomic grip & comfort in use

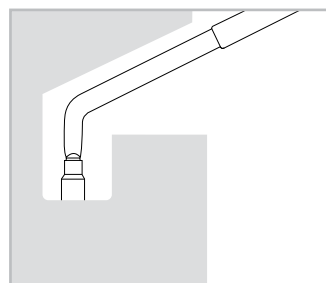
Comes with two 1/2" square drive dual side sockets; 17x19 mm & 19x23 mm to cover almost every automotive application



Two dual side sockets
17x19 mm & 19x23 mm



1/2" Square drive in the center of the socket permits use of both hex sides



Convenient access in difficult to reach areas

ORDERING INFORMATION

CAT NR.	ORD NR.	SQ. DRIVE	LENGTH COMPACT (L1)		LENGTH EXTENDED (L2)		BOX QTY.
		(INCH)	(INCH)	(MM)	(INCH)	(MM)	
WW/TP/17-23/ST	31951	1/2	14-2/5	365	20-3/5	527	12



SCAN TO WATCH



Adjustable Wrench is a spanner with a jaw of adjustable width. This allows the same wrench to be used with varying sizes of nuts & bolts unlike conventional fixed spanners

The same wrench can be used with both metric & imperial fasteners

Forged from Chrome Vanadium Steel, accurately hardened & tempered

Precision ground jaws for secure grip on fasteners

Ergonomic handle for comfortable grip reducing user fatigue



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		OPENING		TORQUE (KGF-M)	BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)		
AWR/CV/6	31753	6	150	3/4	19	148	12
AWR/CV/8	31750	8	200	15/16	24	148	10
* AWR/CV/10	31751	10	250	1	27	245	10
* AWR/CV/12	31752	12	300	1-5/16	34	392	10

* Best Seller



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



11

PLIERS & CUTTERS

161 Insulation Pliers



Individually forged, hardened & tempered for high durability

1000V Safe

Tested in accordance with VDE standards & insulated to 1000V AC for live wire working

Heavily insulated, dual colour, ergonomically designed TPR grip is shock-proof & anti-slip making these pliers safest in use

FOR USE WITH



SOFT



MEDIUM HARD



HARD



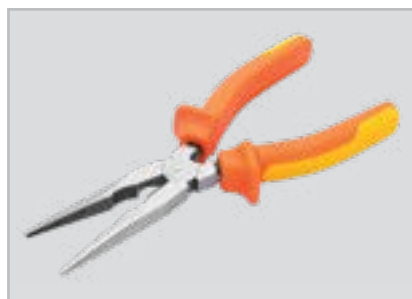
VARIANTS

Combination Pliers



Most suitable for gripping, bending, straightening, crushing, pulling, stripping insulation, cutting wires etc.

Long Nose Pliers

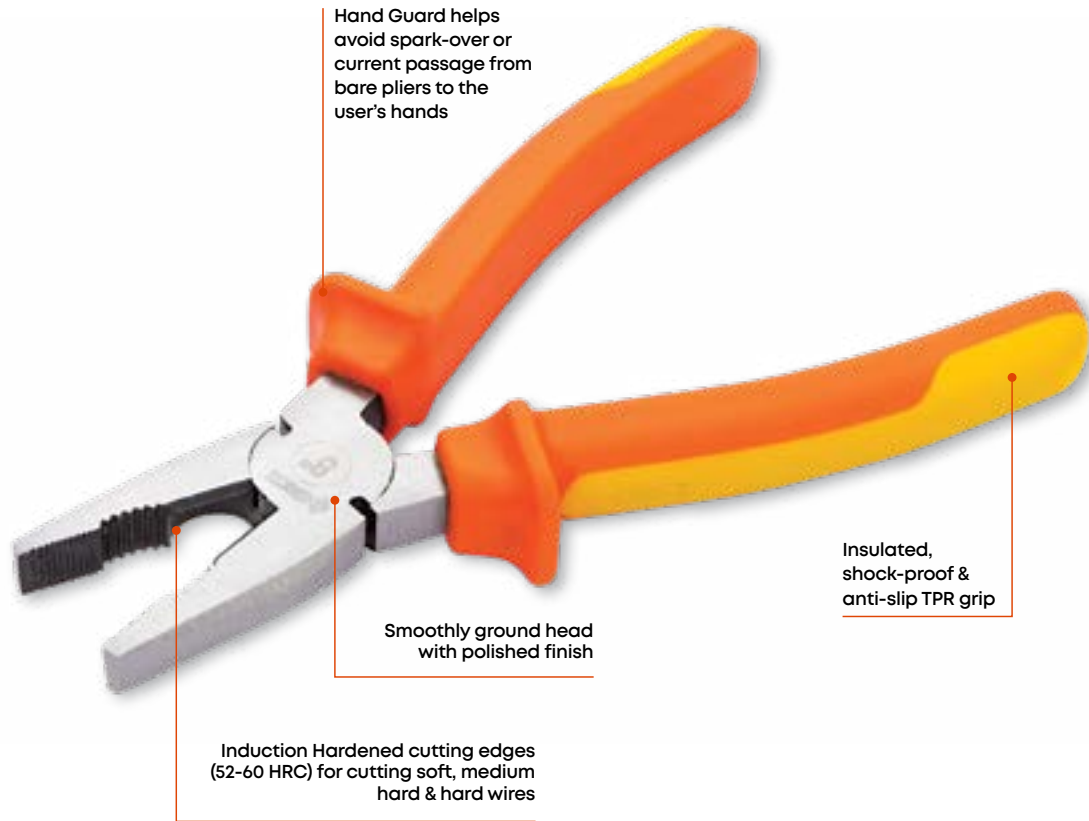


Most suitable for cutting & gripping wires

Side Cutting Pliers



Most suitable for cutting wires

CPL-CV**LNP-CV****SCP-CV****ORDERING INFORMATION**

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
COMBINATION PLIERS				
CPL/CV/6	31530	6	150	72
CPL/CV/7	31531	7	175	72
* CPL/CV/8	31532	8	200	54
LONG NOSE PLIERS				
* LNP/CV/6	31540	6	150	72
LNP/CV/7	31541	7	175	72
* LNP/CV/8	31542	8	200	72
SIDE CUTTING PLIERS				
* SCP/CV/6	31550	6	150	72
SCP/CV/7	31551	7	175	72
PLIER SETS				
PLR/CV/ST3	31570	3 piece set: Includes 8" Combination Plier, 7" Long Nose Plier & 7" Side Cutting Plier		14
PLR/CV/ST3A	31571	3 piece set: Includes 8" Combination Plier, 6" Long Nose Plier & 6" Side Cutting Plier		14

* Best Seller





Hot forged from Chrome Vanadium Steel

Fully hardened & tempered

Precise & solid contact tips prevent circlip damage

Forged non slip tips for exceptional longevity & precision

Soft cushion grip for comfort in usage



External Straight

External Bent



Internal Straight

Internal Bent

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	LENGTH		BOX QTY.
			(INCH)	(MM)	
CLP/ST/E/150	31563	External Straight	6	150	120
CLP/ST/E/175	31580	External Straight	7	175	120
CLP/ST/I/150	31564	Internal Straight	6	150	120
CLP/ST/I/175	31581	Internal Straight	7	175	120
CLP/BND/E/150	31565	External Bent	6	150	120
CLP/BND/E/175	31582	External Bent	7	175	120
CLP/BND/I/150	31566	Internal Bent	6	150	120
CLP/BND/I/175	31583	Internal Bent	7	175	120



Forged from C50 Steel, plier is fully hardened & tempered

Cutting edge is hardened 52-60 HRC for long lasting durability

Plier has a rust inhibiting polished finish with ergonomic cushion grip handle

Used for maintenance of Welding guns in MIG Welding

FOR USE WITH



SOFT



MEDIUM HARD



Welding Gun Nozzle filled with weld splatter



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



Nozzle removal & installation



Tip removal and installation



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
MWP/8	31660	8	200	60

Forged from Chrome Vanadium Steel

Fully hardened (35-50 HRC) & tempered jaws clamp automatically on pipes & nuts

Serrated jaws set at 45° from the handles. Lower jaw can be moved to 7 position by sliding along a tracking section under the upper jaw. This allows adjustment to number of sizes without the distance of the handle growing too wide

Corrosion resistant black oxide finish

Ergonomic cushion grip for convenience in use

Used for turning & holding nuts & bolts, gripping irregular shaped objects, holding pipes, objects with large diameter etc.



Parallel jaws for positive grip

Box joint adjusting system allows quick & easy one hand adjustment

Special barrier prevents accidental squeeze of fingers between plier handles

Cushion grip handle



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
WPP/BJ/7/CV	31740	7	175	50
* WPP/BJ/10/CV	31741	10	250	50
* WPP/BJ/12/CV	31742	12	300	50
WPP/BJ/16/CV	31743	16	400	50

* Best Seller

Forged from Chrome Molybdenum Steel for higher strength & durability

Jaws are induction hardened 45-60 HRC

Curved jaw design grips nut and bolt head with high pressure on four points, which provides powerful tightening for applications requiring high torque

Spring loaded release mechanism provides controlled release making it ideal for applications in restricted space.

Wide adjustment screw coupled with rolled thread spindle provides for smoother adjustment of pressure on the work-piece

Non-pinch & rubberised non-slip grip for fatigue free use


ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
SLP/7C	31630	7	175	40
★ SLP/10C	31631	10	250	25

★ Best Seller



Professional quality plier, made from heavy gauge pressed steel sheet

Used to punch holes in leather, canvas, plastics, watch bands, belts etc.

Punches are precisely 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)


ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
RPL/6	31600	8.3/4	220	60

167

Wheel Balancing Plier

WBP-CV

Forged from Chrome Vanadium Steel, pliers is hardened & tempered

Rust resistant chrome plated finish with ergonomic cushion grip handles

Useful for

- Forming wheel balancing weights
- Removing & attaching wheel balancing weights from rims



Pliers being used to detach wheel balancing weights



Hammer end being used to form wheel balancing weights



Prying wheel balancing weights from the alloy rims



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
WBP/CV/10	31665	10	250	40

168

Slip Joint Pliers

SJP-CS

Forged from C50 steel, pliers are fully hardened & tempered

Pliers feature a pivot point slip joint that can be conveniently moved to increase / decrease jaw range

Rust inhibiting chrome plated finish

Ergonomic cushion grip for convenience in usage

Useful for adjusting nuts, pulling out small nails etc.

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
SJP/CS/6DS	31642	6	150	60
SJP/CS/8DS	31643	8	200	60
SJP/CS/10DS	31644	10	250	40



169

**Ratcheting
Pipe Cutter**

PCT

NEW!

Precise cuts with no burrs!!

Engineered for clean & convenient straight cuts

Light weight, yet robust aluminium die cast body

50% Less Effort: Special shape & size of the blade reduces the effort to cut to half

SK 5 triangular blades designed to pierce the pipe/tubing without bending or cracking the pipe

Ratchet mechanism allows cutting without rotating the tool completely around the tubing/pipe



Easy one-handed operation with quick one-touch release

Use on PVC, PP, PE, PER, ABS, PE-HD pipes



Spare blades (BLD/PCT/RT/42)



Cuts upto 1-21/32" (42mm) dia pipes

FOR USE WITH



Square Pipes



Round Pipes



Soft Hoses/Pipes

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	PIPE CAPACITY		LENGTH		WEIGHT		BOX QTY.
			(MM)	(INCH)	(MM)	(INCH)	(KG)	(LBS)	
PCT/RT/42	61530	42 mm Pipe Cutter	42	1-21/32	225	8-55/64	0.42	0.92	50
BLD/PCT/RT/42	61540	Spare Blade for 42 mm pipe cutter							50



**SCAN TO
WATCH**

An essential plumbing tool, Groz tubing cutter are designed for convenient use in restricted spaces

Heavy duty Zinc die cast housing will not warp under pressure

Spring-loaded alloy steel cutter wheels. Designed to provide constant pressure on pipes, providing fast and straight cuts every time

Easy to change cutter wheels
Ideal for use on small diameter, hard and soft copper, aluminum, brass and plastic tubes

Available in 2 types:

1. **Mini Close Quarter Tubing Cutter**
Rugged Zinc die cast slide and wheel housing. Large knurled feed screw knob gives easy control of cutting pressure for clean cuts
2. **C-Style Close Quarter Tubing Cutter**
Compact design optimized for easy access to the tightest space
Directional grip for convenient usage

NEW!



Mini Close Quarter Tubing Cutter (1/8" – 5/8")



Mini Close Quarter Tubing Cutter (1/8" – 1-1/8")



C-Style Close Quarter Tubing Cutter (1/2")



ORDERING INFORMATION

CAT NR.	ORD NR.	PIPE DIAMETER		BOX QTY.
		(INCH)	(MM)	
MINI CLOSE QUARTER TUBING CUTTER				
TCT/A/5-8	32371	1/8 – 5/8	3-16	10
TCT/A/1-1-8	32370	1/8 – 1-1/8	3-28	10
C TYPE CLOSE QUARTER TUBING CUTTER				
TCT/C/1-2	32372	1/2	12.7	10



SK2

Heavy duty Retractable knife for continuous, non-stop usage

Rugged Zinc alloy body for prolonged tool life

SK 2 steel blades are accurately hardened & have superior edge retention to handle tough cutting jobs with ease.

Each blade can be used twice.

When blunt, simply pull out blade, invert it & re-install. Knife is ready to use again

Quick change blade operation

1. Simply press quick release button to slide out used blade
2. Load new blade with a squeeze of the lever

Ergonomic TPR handle with thumb groove for improved grip & ease of use

Suitable for cutting plastic, rubber, wood, gaskets, cardboard, fibre etc.



KNV/R/6

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
* KNV/R/6	61500	Retra Knife	30
BLD/KNV/5/ST	61511	Set of 10 spare blades	120
KNV/R/3	61504	Retra Knife - Mini	30
BLD/KNV/3/ST	61513	Set of 15 Spare Blades	120
KNV/R/7	61502	Knife	30
BLD/KNV/5/ST	61511	Set of 10 spare blades	120

* Best Seller

SPECIFICATIONS

KNV/R/6 (Regular)	OVERALL LENGTH	6-3/4 INCH	170 MM
	BLADE THICKNESS	0.02 INCH	0.6 MM
KNV/R/3 (Mini)	OVERALL LENGTH	1-7/64 INCH	28 MM
	BLADE THICKNESS	0.02 INCH	0.6MM
KNV/R/7 (Professional)	OVERALL LENGTH	6-3/4 INCH	170 MM
	BLADE THICKNESS	0.02 INCH	0.6MM

KNV-R6

KNV-R7

KNV-R3

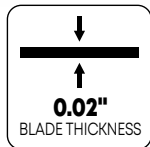
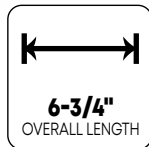
VARIANTS

KNV/R/6

(Heavy Duty)



In-built storage compartment that can store up to 6 spare blades (included) gives convenient access to new blades



Squeeze lever to load blade



When blunt, simply pull out blade, invert it & re-install



Quick release button to slide out used blade



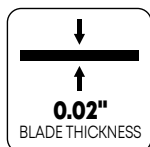
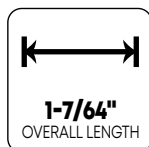
Storage compartment for storing 6 spare blades

KNV/R/3

(Mini)



In-built storage compartment that can store up to 6 spare blades (included) gives convenient access to new blades

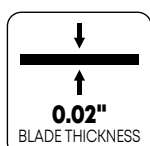
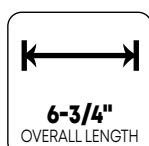


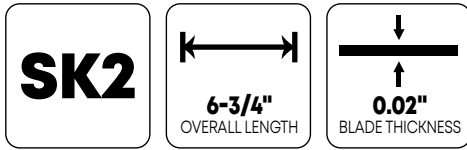
KNV/R/7

(Professional)



Easy access slider blade storage holds up to 5 blades for fast and easy blade change





GROZ Retractable knife for fatigue free non-stop usage

SK2 Steel blades with triple cutting edge makes the blades 50% sharper compared to regular blades

Interlock nose secures the blade firmly making it safe in use

In-built blade storage compartment for 5 blades



VARIANTS

KNV/5A

Lightweight, yet robust Aluminium Die Cast body



Press the lever down & push forward to load blade



Open screw to reach blade storage compartment



Quick & convenient blade interchange



Total 5 blades: 4 blades come as spare inside the knife, with 1 blade in use

KNV/10

(Heavy Duty)

Rugged Zinc alloy body for prolonged life

Bottom edge of knife can be used for light hammering jobs; on paper boards, cardboards after cutting



ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
KNV/5A	61507	Knife	30
KNV/10	61503	Knife	30
BLD/KNV/5/ST	61511	Set of 10 Spare Blades	120

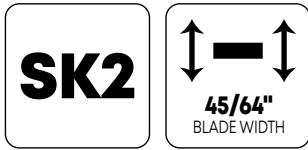
SPECIFICATIONS

OVERALL LENGTH	6-3/4 INCH	170 MM
BLADE THICKNESS	0.02 INCH	0.6MM

173

**Snap Off
Knife**

KNV-S



Hang
Hole

Rugged die cast aluminum body

Hardened SK2, 18mm steel blade with superior edge retention to handle tough cutting jobs with ease

Retractable blade for variable depth of cut

Auto locking slider for secure hold

Removable blade snapper for removing worn out blades

Easy access blade change

Textured finish for positive slip-resistant grip



Slide the lever to retract the blade



In-built blade snap-off tool for blunt blades

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	BOX QTY.
KNV/S/1	61520	Knife	48
BLD/KNV/S/1/ST	61512	Set of 10 Spare Blades	100

SPECIFICATIONS

BLADE WIDTH	45/64 INCH	18 MM
-------------	------------	-------



12

**MEASURING &
MARKING**

Perfect for outdoor usage

In real estate, landscaping, municipal & construction work etc.

Accurately measures on a wide variety of terrain, both on paved and unpaved surfaces

Strong yet light weight aluminum handle and wheel for convenient usage & durability

Adjustable height with 3 section telescopic and snap lock handle

Composite tread for improved traction on smooth surfaces

12" rubber coated wheel for smooth operation

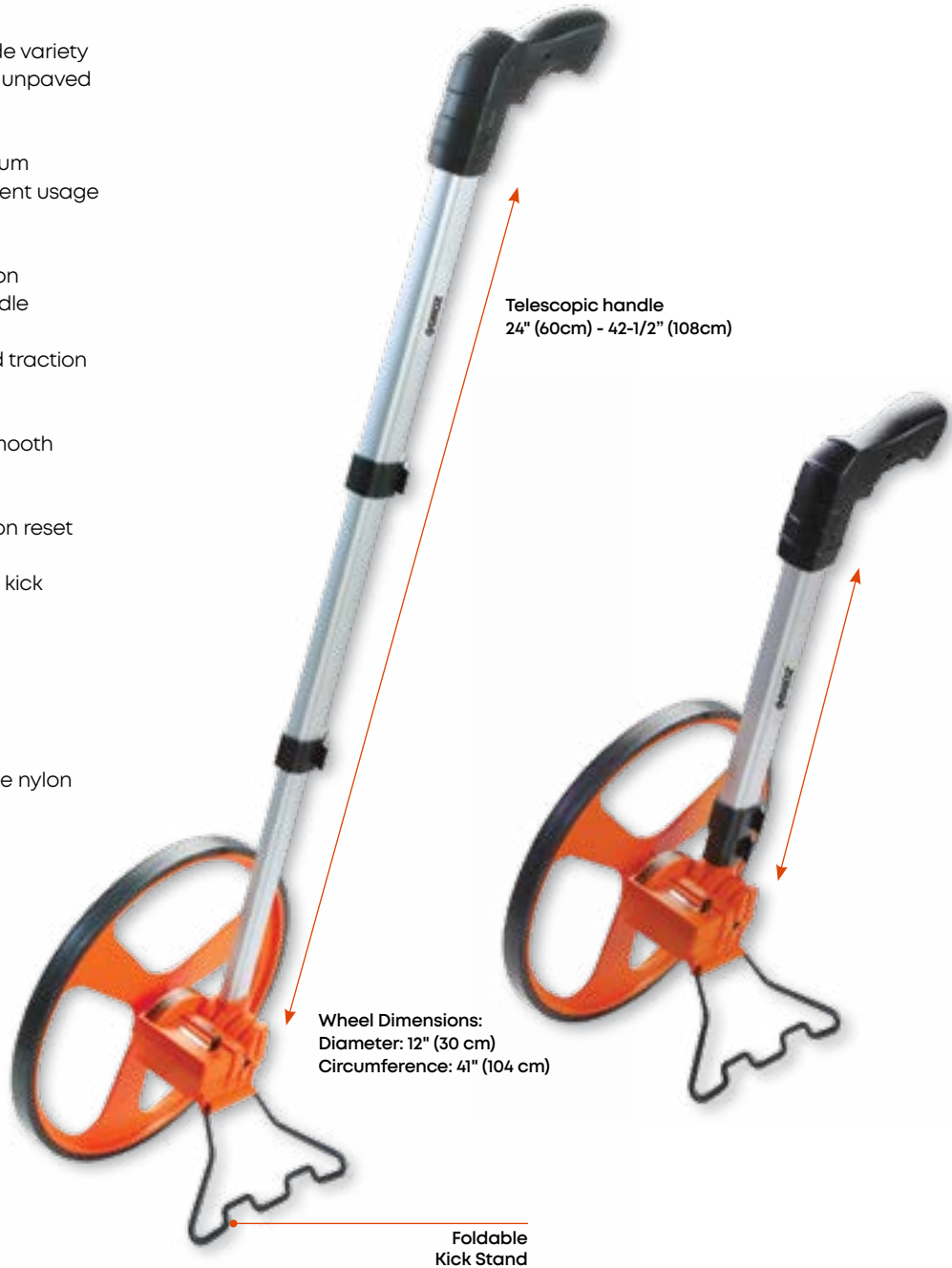
Single counter with push button reset

Comes with built-in fold down kick stand

Available in 2 variants

- a. Meter
- b. Feet

Comes in a strong and durable nylon bag


ORDERING INFORMATION

CAT NR.	ORD NR.	WHEEL SIZE		MEASURING RANGE	BOX QTY.
		(INCH)	(CM)		
MWL/1/M	01360	12	30	Upto 9999.9 meter	6
MWL/1/F	01361	12	30	Upto 9999.9 feet	6



Calipers are designed for transfer measurements or for comparing external and internal measurements

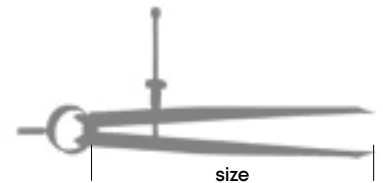
Dividers are used for marking on steel or for transferring measurements from master templates

Manufactured from high grade steel with a polished finish

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



ORDERING INFORMATION

CAT. NR.	ORD. NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
INSIDE CALIPERS				
ID/3	01400	3	75	200
* ID/4	01401	4	100	200
* ID/6	01402	6	150	150
* ID/8	01403	8	200	90
ID/10	01404	10	250	60
ID/12	01405	12	300	60
ID/EC/14	01809	14	350	25
ID/EC/16	01806	16	400	25
ID/EC/18	01807	18	450	25
ID/EC/24	01808	24	600	15
OUTSIDE CALIPERS				
OD/3	01410	3	75	200
* OD/4	01411	4	100	200
* OD/6	01412	6	150	150
* OD/8	01413	8	200	90
OD/10	01414	10	250	60

* Best Seller

CAT. NR.	ORD. NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
OD/12	01415	12	300	60
OD/EC/14	01819	14	350	25
OD/EC/16	01816	16	400	25
OD/EC/18	01817	18	450	25
OD/EC/24	01818	24	600	15
SPRING DIVIDERS				
DD/3	01420	3	75	200
* DD/4	01421	4	100	200
* DD/6	01422	6	150	150
* DD/8	01423	8	200	90
DD/10	01424	10	250	60
DD/12	01425	12	300	60
DD/EC/14	01829	14	350	25
DD/EC/16	01826	16	400	25
DD/EC/18	01827	18	450	25
OD/EC/24	01828	24	600	15

Amongst the finest calipers and dividers these are especially useful for the discerning craftsmen

Made from high grade steel

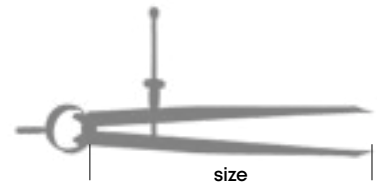
Legs machined to a smooth taper

Attractive black powder coated finish

Finely machined and polished nut runs smoothly to secure the legs exactly to dimension



CD/SP/ST/6



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
INSIDE CALIPERS				
ID/SP/3	01460	3	75	200
ID/SP/4	01461	4	100	200
* ID/SP/6	01462	6	150	150
* ID/SP/8	01463	8	200	90
ID/SP/10	01464	10	250	60
ID/SP/12	01465	12	300	60
OUTSIDE CALIPERS				
OD/SP/3	01470	3	75	200
OD/SP/4	01471	4	100	200
* OD/SP/6	01472	6	150	150
* OD/SP/8	01473	8	200	90
OD/SP/10	01474	10	250	60
OD/SP/12	01475	12	300	60

* Best Seller

CAT NR.	ORD NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
SPRING DIVIDERS				
DD/SP/3	01480	3	75	200
DD/SP/4	01481	4	100	200
* DD/SP/6	01482	6	150	150
* DD/SP/8	01483	8	200	90
DD/SP/10	01484	10	250	60
DD/SP/12	01485	12	300	60
SETS				
CD/SP/6/ST	01492	A set of one each : 6" (150mm) Inside & Outside Calipers & Springs Dividers		25
* CD/SP/8/ST	01493	A set of one each : 8" (200mm) Inside & Outside Calipers & Springs Dividers		25



Superior 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

Very useful for woodworkers and cabinet makers and are of particular value when setting up power tools



SS/A/2-4-6/ST



SS/A/2-3-4-6/ST



ORDERING INFORMATION

CAT NR.	ORD 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		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MICRONS)	
SS/A/2	01000	2	50	2	50	0.00063	16	100
SS/A/3	01001	3	75	2.3/8	60	0.00063	16	100
* SS/A/4	01002	4	100	3	75	0.00063	16	100
* SS/A/6	01003	6	150	4	100	0.00063	16	75
SS/A/8	01004	8	200	5	125	0.00080	20	30
SS/A/9	01005	9	225	6.5/16	160	0.00094	24	15
SS/A/10	01006	10	250	6.1/2	165	0.00094	24	15
SS/A/12	01007	12	300	8.9/32	210	0.00094	24	15
SETS								
* SS/A/2-4-6/ST	01012	Set contains one each of 2" (50 mm), 4" (100 mm) & 6" (150 mm) Squares						25
SS/A/2-3-4-6/ST	01011	Set contains one each of 2" (50 mm), 3" (75 mm), 4" (100 mm) & 6" (150 mm) squares						25

* Best Seller

General purpose steel squares with deep etched graduations

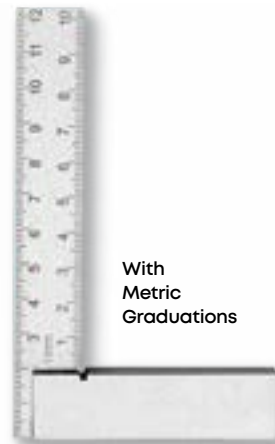
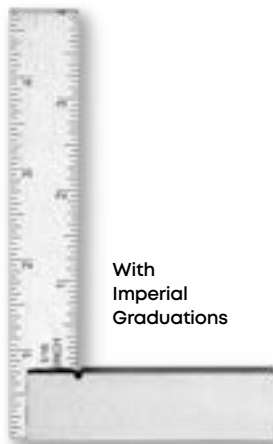
Graduated blade is accurately hardened

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:

- a. With imperial graduations on both inside and outside edge of the blade
- b. With metric graduations on both inside and outside edge of the blade



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE		STOCK LENGTH		SQUARENESS OF BLADE TO WORKING FACES OF STOCK		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MICRONS)	
SS/4G	01142	4	-	3	-	0.00019	-	100
SS/6G	01143	6	-	4	-	0.00028	-	80
SS/4GM	01152	-	100	-	75	-	48	100
SS/6GM	01153	-	150	-	100	-	72	80

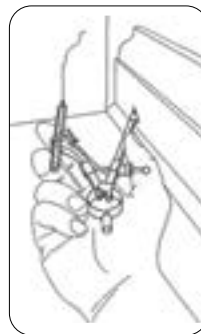
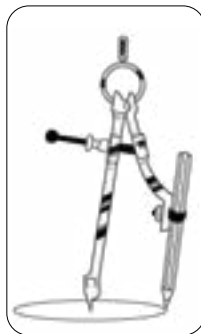
Finest quality carpenter's compass

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



ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
PPC/01	01545	150



180

**Pencil
Compass**

PPC-EC

Manufactured from special steel

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



ORDERING INFORMATION

CAT NR.	ORD NR.	MIN. CAPACITY		BOX QTY.
		(INCH)	(MM)	
PPC/EC/6	11035	6	150	60
PPC/EC/8	11036	8	200	60
PPC/EC/10	11037	10	250	60
PPC/EC/12	11038	12	300	30

181

**Wing
Compass**

WC

Rugged industrial grade compasses.

Manufactured from heavy gauge steel sheet

Attractive black powder coated finish

Accurately ground tip

Heavy Duty hinge and knurled locking nut helps in convenient movement

Used for precisely scribing arcs and circles on projects and drawings



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE		SCRIBING CAPACITY		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	
WC/6	01550	6	150	8	200	60
* WC/8	01551	8	200	10-1/2	265	60
WC/16	01554	16	400	22	550	30

* Best Seller

182

Brass Calipers

Handy pocket caliper, made from solid brass

Close tolerance dovetail design ensures smooth motion of caliper & provides accurate measurements

Graduated in both imperial & metric graduations with a least count of 1/16" on the imperial scale and 0.1 mm on the metric scale

Ideal for mechanics, hobby crafters etc. to take measurements on small objects such as nails, screws, lenses, tubing etc.

Available in two types:

a. Brass Calipers (Outside)

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

b. 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)



Brass Caliper - Outside



Brass Caliper - Inside & Outside

ORDERING INFORMATION

CAT NR.	ORD NR.	MEASURING RANGE		BOX QTY.
		(INCH)	(MM)	
BRASS CALIPERS - OUTSIDE				
BC/ORD/75	01300	0-3	0-75	50
*BC/ORD/100	01301	0-4	0-100	40
BRASS CALIPERS - INSIDE & OUTSIDE				
BC/ORD/ID/100	01304	Outside: 0-4 Inside: 7/32-4	0-100 5-100	40

* Best Seller

183

Slide Calipers



All purpose stainless steel slide calipers, sized to slip into the pocket

Used for quick & accurate inside and outside measurements

Scale has permanently etched graduations with decimal equivalents table on back

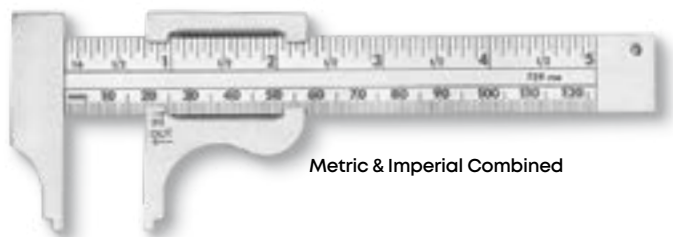
Available in two types:

a. Imperial

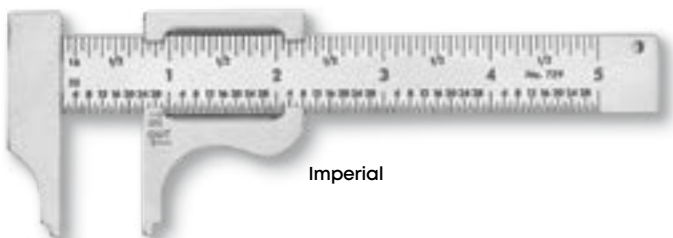
Graduated in Inches in 16ths & 32nds

b. Metric & Imperial Combined:

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



Metric & Imperial Combined



Imperial

ORDERING INFORMATION

CAT NR.	ORD NR.	TYPE	CAPACITY		BOX QTY.
			(INCH)	(MM)	
SLC/SS/4	01320	Imperial	4	-	50
SLC/SS/4M	01321	Metric & Imperial Combined	4	100	50



184

Adjustable Bevel

AB

Adjustable Bevels are especially useful for marking dovetails and other unusual angles

Offset slot in the blade enables a line to be drawn along the full length of the blade without interference from stock

Polished wooden handle is fitted with thick brass fittings which protect the ends from damage

Blade adjustment is achieved via a forged steel wing nut



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
AB/10	39400	10	250	120

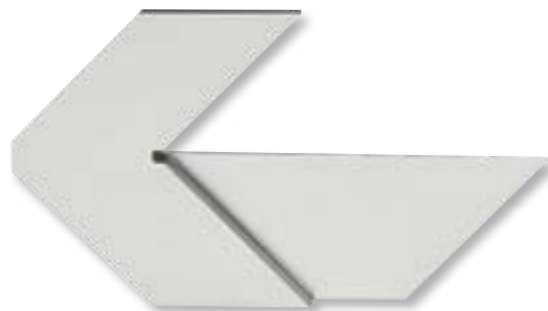
185

Centre Square

CS

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



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

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE		BOX QTY.
		(INCH)	(MM)	
CS/1	03521	1.1/2	38	50
* CS/2	03522	3	75	50

* Best Seller

186

Stainless Steel Rules

SR

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

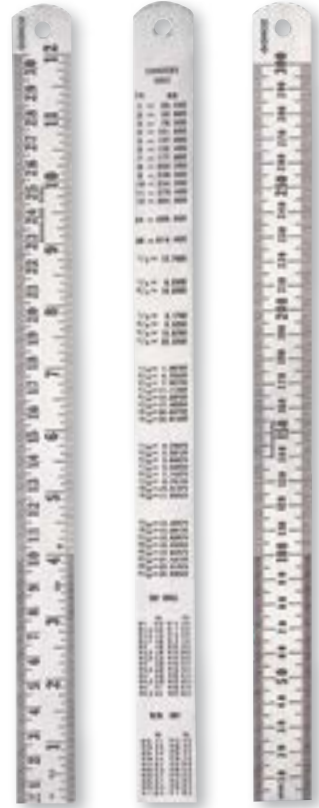
These are available in two types:

a. Imperial & Metric Combined Rules

These rules are graduated in metric dimensions on one edge and imperial on the other. Imperial

b. Metric Rules

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



ORDERING INFORMATION

CAT. NR. IMPERIAL & METRIC	ORD NR. IMPERIAL & METRIC	CAT. NR. METRIC	ORD NR. METRIC	LENGTH		BOX QTY.
				(INCH)	(MM)	
* SR/6	01330	SR/150	01340	6	150	100
* SR/12	01331	SR/300	01341	12	300	100
SR/18	01332	SR/450	01342	18	450	100
SR/24	01333	SR/600	01343	24	600	100
* SR/40	01334	SR/1000	01344	40	1000	100
SR/48	01335	SR/1200	01345	48	1200	100

* Best Seller

187

SS Pocket Ruler

SR-P

Stainless steel ruler in polished finish with combined imperial & metric graduations

Imperial dimensions in 1/16th, 1/32nd & 1/64th. Metric dimensions in 0.5 mm & 1 mm

Reverse side has a permanently engraved metric to imperial conversion table

Ruler comes with a pocket clip making it convenient to carry



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		BOX QTY.
		(INCH)	(MM)	
SR/P/6	01337	6	150	100





13

**TAPS, DIES &
HOLDERS**

188

Tap & Reamer Wrenches

ARWR

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

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

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		JAW HOLDING CAPACITY				BOX QTY.
				SQUARE SIZE		TAP SIZE		
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
ARWR/SG/0	09221	8	200	3/32-1/2	2.5-12	1/8-3/8	M1-M12	150
ARWR/SG/00	09220	5.11/32	133	5/64-9/32	2-7.35	1/8-1/4	M1-M6	150
ARWR/SG/5	09222	10.8	270	11/64-9/16	4.25-14.4	3/16-5/8	M4-M16	50
ARWR/SG/6	09223	14.8	370	11/64-11/16	4.25-17.7	3/16-7/8	M4-M20	25
ARWR/SG/7	09224	19.6	490	1/4-29/32	6.8-23.35	1/4-1.1/8	M6-M30	20
ARWR/SG/8	09225	29.6	740	3/8-1.13/32	9.2-36.0	1/2-1.3/4	M9-M45	10



189

Dies Stock Holders for Round Dies

DS

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

All steel construction with black powder coated body

Handles have knurled ends, the ends being black powder coated

ORDERING INFORMATION

CAT. NR.	ORD NR.	FOR DIE SIZE	LENGTH	BOX QTY.
		(INCH)	(INCH)	
DS/13-16	09110	13/16	6.1/2	100
* DS/0-1	09111	1	8.1/4	100
DS/1-5-16	09112	1.5/16	10	60
* DS/1-1-2	09113	1.1/2	12.3/8	50
* DS/0-2	09114	2	15.3/8	35
DS/2-1-2	09116	2.1/2	19	20

* Best Seller



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

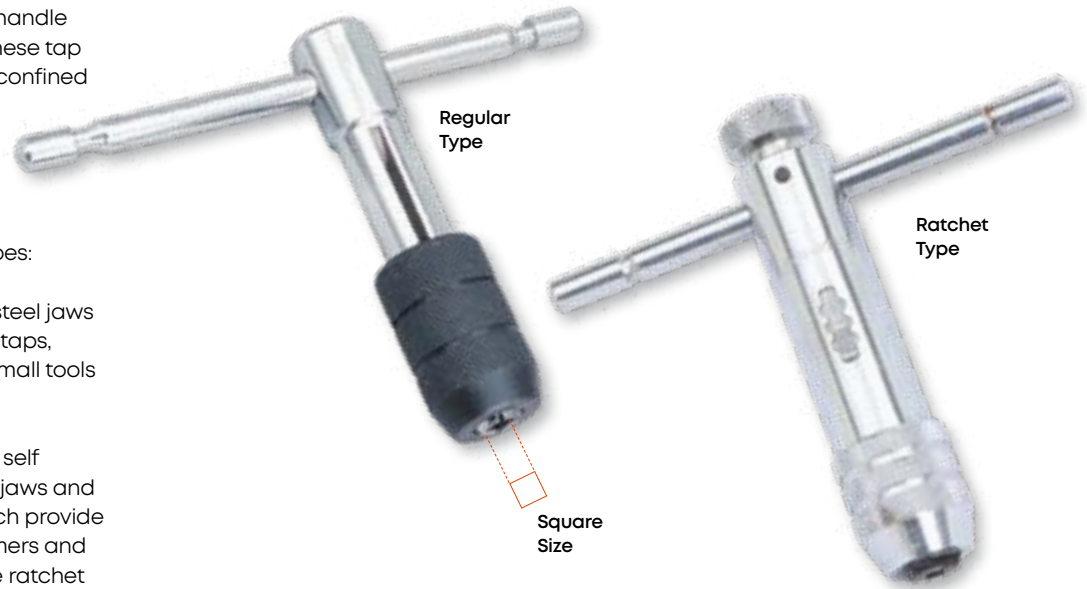
These are available in two types:

a. Regular T Handle Type -

Self-centering hardened steel jaws provide a positive grip on taps, reamers and other such small tools

b. 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



ORDERING INFORMATION

CAT. NR.	ORD NR.	OVERALL LENGTH (L)		JAW HOLDING CAPACITY				BOX QTY.
				SQUARE SIZE		TAP SIZE		
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
REGULAR								
TW/3-16	09300	2.23/64	60	5/64 - 5/32	2 - 4	1/16 - 3/16	M2 - M5	50
TW/1-4/SPL	09301	2.3/4	70	5/64 - 13/64	2 - 5	1/16 - 1/4	M2 - M6	50
* TW/1-4	09302	2.3/4	70	1/8 - 13/64	3.15 - 5	5/32 - 1/4	M4 - M6	50
TW/5-16	09303	3.9/64	80	5/32 - 1/4	4 - 6.3	3/16 - 5/16	M5 - M8	50
* TW/1-2	09304	3.35/64	90	13/64 - 5/16	5 - 8	1/4 - 1/2	M6 - M10	50
RATCHET TYPE								
* TW/R/1-4	09322	3.3/8	86	7/64 - 7/32	2.6 - 5.5	5/32 - 1/4	M4 - M6	50
* TW/R/5-16	09323	4.3/8	111	3/16 - 5/16	4.6 - 8	1/4 - 1/2	M6 - M12	50

* Best Seller

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


TDE/41/M/ST

TDE/1/ST
ORDERING INFORMATION

CAT NR.	ORD NR.	CONSTITUENTS	BOX QTY.
41 PCS TAP & DIE SET			
TDE/41/I/ST	10015	T handle Tap Wrench 0 - 1/4" T handle Tap Wrench 1/4" - 1/2" Bar Type Tap Wrench 0 - 1/2" 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" Thread Pitch Gage (18 leaves, #8 to #44)	10
TDE/41/M/ST	10014	T handle Tap Wrench 0 - 1/4" T handle Tap Wrench 1/4" - 1/2" Bar Type Tap Wrench 0 - 1/2" 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" Thread Pitch Gage (16 leaves, 0.35mm to 3mm)	10
		17 individual Hand Taps & 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	
		17 individual Hand Taps & 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	

CAT NR.	ORD NR.	CONSTITUENTS	BOX QTY.
37 PCS METRIC TAP & DIE SET			
TDE/1/ST	10000	Bar Type Tap Wrench 2 mm - 6.3 mm Bar Type Tap Wrench 4.9 mm - 12 mm 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" 8 Round Dies: 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm 8 Metric Tap Sets: (3 Taps each) 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm	5



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

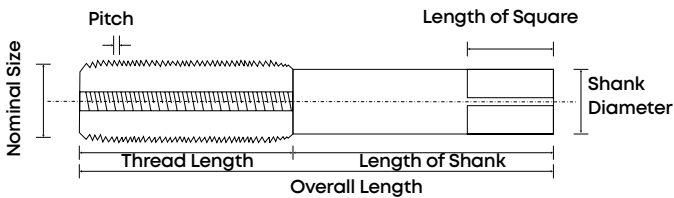
Used to provide a quick & easy start, but this will not cut the thread down to the bottom of the hole

Second

Used to increase the size of cut

Bottom

Used to 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.	ORD NR.	NOMINAL SIZE (INCH)	TPI (THREAD PER INCH)	BOX QTY.
TAP/1-16	09400	1/16	60	60
TAP/3-32	09401	3/32	48	150
TAP/1-8	09402	1/8	40	300
TAP/5-32	09403	5/32	32	300
TAP/3-16	09404	3/16	24	300
TAP/7-32	09405	7/32	24	300
TAP/1-4	09406	1/4	20	300
TAP/9-32	09407	9/32	20	300
TAP/5-16	09408	5/16	18	300
TAP/3-8	09409	3/8	16	150
TAP/7-16	09410	7/16	14	150
TAP/1-2	09411	1/2	12	150
TAP/9-16	09412	9/16	12	150
TAP/5-8	09413	5/8	11	60
TAP/11-16	09414	11/16	11	60
TAP/3-4	09415	3/4	10	60
TAP/13-16	09416	13/16	10	60
TAP/7-8	09417	7/8	9	60
TAP/15-16	09418	15/16	9	30
TAP/0-1	09419	1	8	30
TAP/1-1-8	09420	1.1/8	7	30
TAP/1-1-4	09421	1.1/4	7	30
TAP/1-3-8	09422	1.3/8	6	30
TAP/1-1-2	09423	1.1/2	6	30
TAP/1-3-4	09424	1.3/4	5	30
TAP/0-2	09425	2	4.1/2	30

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

CAT NR.	ORD NR.	NOMINAL SIZE (INCH)	TPI (THREAD PER INCH)	BOX QTY.
TAP/BSF/3-16	09800	3/16	32	300
TAP/BSF/7-32	09801	7/32	28	300
TAP/BSF/1-4	09802	1/4	26	300
TAP/BSF/9-32	09803	9/32	26	300
TAP/BSF/5-16	09804	5/16	22	300
TAP/BSF/3-8	09805	3/8	20	150
TAP/BSF/7-16	09806	7/16	18	150
TAP/BSF/1-2	09807	1/2	16	150
TAP/BSF/9-16	09808	9/16	16	150
TAP/BSF/5-8	09809	5/8	14	60
TAP/BSF/11-16	09810	11/16	14	60
TAP/BSF/3-4	09811	3/4	12	60
TAP/BSF/13-16	09812	13/16	12	60
TAP/BSF/7-8	09813	7/8	11	60
TAP/BSF/15-16	09814	15/16	11	30
TAP/BSF/0-1	09815	1	10	30
TAP/BSF/1-1-8	09816	1.1/8	9	30
TAP/BSF/1-1-4	09817	1.1/4	9	30
TAP/BSF/1-3-8	09818	1.3/8	8	30
TAP/BSF/1-1-2	09819	1.1/2	8	30
TAP/BSF/1-3-4	09820	1.3/4	7	30
TAP/BSF/0-2	09821	2	7	30

UNIFIED COARSE (UNC) 60° - SET OF 3

CAT NR.	ORD NR.	NOMINAL SIZE	TPI (THREAD PER INCH)	BOX QTY.
		(INCH)		
TAP/UNC/1-4	09900	1/4	20	150
TAP/UNC/9-32	09909	9/32	20	60
TAP/UNC/5-16	09901	5/16	18	300
TAP/UNC/3-8	09902	3/8	16	150
TAP/UNC/7-16	09903	7/16	14	150
TAP/UNC/1-2	09904	1/2	13	150
TAP/UNC/9-16	09910	9/16	12	150
TAP/UNC/5-8	09905	5/8	11	60
TAP/UNC/11-16	09911	11/16	11	60
TAP/UNC/3-4	09906	3/4	10	60
TAP/UNC/13-16	09912	13/16	10	60
TAP/UNC/7-8	09907	7/8	9	30
TAP/UNC/15-16	09913	15/16	9	30
TAP/UNC/0-1	09908	1	8	30
TAP/UNC/1-1-8	09914	1.1/8	7	30
TAP/UNC/1-1-4	09915	1.1/4	7	30
TAP/UNC/1-3-8	09916	1.3/8	6	30
TAP/UNC/1-1-2	09917	1.1/2	6	30
TAP/UNC/1-3-4	09918	1.3/4	5	30
TAP/UNC/0-2	09919	2	4.1/2	30

UNIFIED FINE (UNF) 60° - SET OF 3

TAP/UNF/1-4	10100	1/4	28	150
TAP/UNF/5-16	10101	5/16	24	300
TAP/UNF/3-8	10102	3/8	24	150
TAP/UNF/7-16	10107	7/16	20	150
TAP/UNF/1-2	10103	1/2	20	150
TAP/UNF/9-32	10117	9/32	20	60
TAP/UNF/9-16	10108	9/16	18	150
TAP/UNF/5-8	10104	5/8	18	60
TAP/UNF/11-16	10109	11/16	18	60
TAP/UNF/3-4	10105	3/4	16	60
TAP/UNF/13-16	10110	13/16	16	60
TAP/UNF/7-8	10111	7/8	14	30
TAP/UNF/15-16	10112	15/16	14	30
TAP/UNF/0-1	10106	1	12	30
TAP/UNF/1-1-8	10113	1.1/8	12	30
TAP/UNF/1-1-4	10114	1.1/4	12	30
TAP/UNF/1-3-8	10115	1.3/8	12	30
TAP/UNF/1-1-2	10116	1.1/2	12	30

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

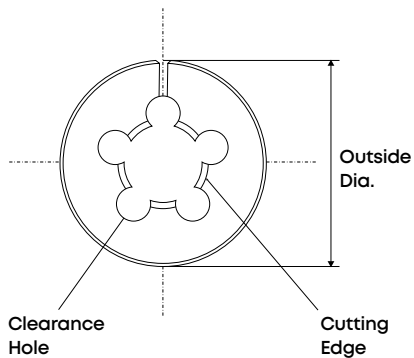
TAP/2/BSP/1-8	09500	1/8	28	150
TAP/2/BSP/1-4	09501	1/4	19	150
TAP/2/BSP/3-8	09502	3/8	19	150
TAP/2/BSP/1-2	09503	1/2	14	150
TAP/2/BSP/5-8	09504	5/8	14	150
TAP/2/BSP/3-4	09505	3/4	14	60
TAP/2/BSP/7-8	09507	7/8	14	60
TAP/2/BSP/0-1	09506	1	11	60
TAP/2/BSP/1-1-4	09508	1.1/4	11	30
TAP/2/BSP/1-1-2	09509	1.1/2	11	30
TAP/2/BSP/1-3-4	09511	1.3/4	11	30
TAP/2/BSP/0-2	09510	2	11	30

METRIC - SET OF 3

CAT. NR.	ORD NR.	NOMINAL SIZE	PITCH	BOX QTY.
		(INCH)		
TAP/2M	09602	2	0.40	300
TAP/3M	09603	3	0.50	300
TAP/4M	09604	4	0.70	300
TAP/5M	09605	5	0.80	300
TAP/6M	09606	6	1.00	300
TAP/7M	09607	7	1.00	300
TAP/8M/SPL	09660	8	1.00	300
TAP/8M	09608	8	1.25	300
TAP/9M/SPL	09661	9	1.00	300
TAP/9M	09609	9	1.25	300
TAP/10M/SPL1	09663	10	1.00	150
TAP/10M/SPL	09662	10	1.25	150
TAP/10M	09610	10	1.50	150
TAP/11M	09611	11	1.50	150
TAP/12M/SPL2	09666	12	1.00	150
TAP/12M/SPL	09664	12	1.25	150
TAP/12M/SPL1	09665	12	1.50	150
TAP/12M	09612	12	1.75	150
TAP/14M/SPL	09667	14	1.25	150
TAP/14M/SPL1	09668	14	1.50	150
TAP/14M	09614	14	2.00	150
TAP/16M/SPL	09669	16	1.50	150
TAP/16M	09616	16	2.00	150
TAP/18M/SPL	09670	18	1.50	60
TAP/18M/SPL1	09671	18	2.00	60
TAP/18M	09618	18	2.5	60
TAP/20M/SPL	09672	20	1.5	60
TAP/20M/SPL1	09673	20	2.00	60
TAP/20M	09620	20	2.50	60
TAP/22M/SPL1	09674	22	2.0	30
TAP/22M	09622	22	2.50	30
TAP/24M	09624	24	3.0	30
TAP/27M	09627	27	3.0	30
TAP/30M	09630	30	3.5	30
TAP/33M	09633	33	3.5	30
TAP/36M	09636	36	4.0	30
TAP/39M	09639	39	4.0	20
TAP/42M	09642	42	4.5	20
TAP/45M	09645	45	4.5	20
TAP/48M	09648	48	5.0	20
TAP/52M	09652	52	5.0	20



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



BRITISH STANDARD ROUND DIES

CAT. NR.	ORD. NR.	CAT. NR.	ORD. NR.	NOMINAL SIZE (INCH)	OUTER DIA. (INCH)	BOX QTY.
BRITISH STANDARD WHITWORTH 55° (BSW)		BRITISH STANDARD FINE 55° (BSW)				
DI/0-1	10201	DI/BSF/0-24	14900	1/16	13/16	150
DI/0-2	10202	DI/BSF/0-25	14901	3/32	13/16	150
DI/0-3	10203	DI/BSF/0-26	14902	1/8	13/16	150
DI/0-4	10204	DI/BSF/0-27	14903	5/32	13/16	150
DI/0-5	10205	DI/BSF/0-28	14904	3/16	13/16	150
DI/0-6	10206	DI/BSF/0-29	14905	7/32	13/16	150
DI/0-7	10207	DI/BSF/0-30	14906	1/4	1	50
DI/0-7/SPL	10224	DI/BSF/0-30/SPL	14907	1/4	13/16	150
DI/0-8	10208	DI/BSF/0-31	14908	5/16	1	150
DI/0-9	10209	DI/BSF/0-32	14909	3/8	1	150
DI/0-10	10210	DI/BSF/0-33	14910	5/16	1.1/2	150
DI/0-11	10211	DI/BSF/0-34	14911	3/8	1.1/2	150
DI/0-12	10212	DI/BSF/0-35	14912	7/16	1.1/2	150
DI/0-13	10213	DI/BSF/0-36	14913	1/2	1.1/2	150
DI/0-14	10214	DI/BSF/0-37	14914	9/16	1.1/2	150
DI/0-15	10215	DI/BSF/0-38	14915	5/8	1.1/2	150
DI/0-16	10216	DI/BSF/0-39	14916	11/16	1.1/2	150
DI/0-17	10217	DI/BSF/0-40	14917	3/4	1.1/2	150
DI/0-18	10218	DI/BSF/0-41	14918	7/8	2	150
DI/0-19	10219	DI/BSF/0-42	14919	1	2	150
DI/0-20	10220	DI/BSF/0-43	14920	1.1/8	2.1/4	60
DI/0-20/SPL	10225	DI/BSF/0-43/SPL	14921	1.1/8	2.1/2	60
DI/0-21	10221	DI/BSF/0-44	14922	1.1/4	2.1/4	60
DI/0-21/SPL	10226	DI/BSF/0-44/SPL	14923	1.1/4	2.1/2	60
DI/0-22	10222	DI/BSF/0-45	14924	1.3/8	3	60
DI/0-23	10223	DI/BSF/0-46	14925	1.1/2	3	60

UNIFIED ROUND DIES

CAT. NR.	ORD NR.	CAT. NR.	ORD NR.	NOMINAL SIZE	OUTER DIA.	BOX QTY.
UNIFIED FINE 60° (UNF)		UNIFIED COARSE 60° (UNC)		(INCH)	(INCH)	
DI/UNF/0-47	15000	DI/UNC/0-70	15100	1/16	13/16	150
DI/UNF/0-48	15001	DI/UNC/0-71	15101	3/32	13/16	150
DI/UNF/0-49	15002	DI/UNC/0-72	15102	1/8	13/16	150
DI/UNF/0-50	15003	DI/UNC/0-73	15103	5/32	13/16	150
DI/UNF/0-51	15004	DI/UNC/0-74	15104	3/16	13/16	150
DI/UNF/0-52	15005	DI/UNC/0-75	15105	7/32	13/16	150
DI/UNF/0-53	15006	DI/UNC/0-76	15106	1/4	1	150
DI/UNF/0-53/SPL	15007	DI/UNC/0-76/SPL	15107	1/4	13/16	150
DI/UNF/0-54	15008	DI/UNC/0-77	15108	5/16	1	150
DI/UNF/0-55	15009	DI/UNC/0-78	15109	3/8	1	150
DI/UNF/0-56	15010	DI/UNC/0-79	15110	5/16	1.1/2	150
DI/UNF/0-57	15011	DI/UNC/0-80	15111	3/8	1.1/2	150
DI/UNF/0-58	15012	DI/UNC/0-81	15112	7/16	1.1/2	150
DI/UNF/0-59	15013	DI/UNC/0-82	15113	1/2	1.1/2	150
DI/UNF/0-60	15014	DI/UNC/0-83	15114	9/16	1.1/2	150
DI/UNF/0-61	15015	DI/UNC/0-84	15115	5/8	1.1/2	150
DI/UNF/0-62	15016	DI/UNC/0-85	15116	11/16	1.1/2	150
DI/UNF/0-63	15017	DI/UNC/0-86	15117	3/4	1.1/2	150
DI/UNF/0-64	15018	DI/UNC/0-87	15118	7/8	2	150
DI/UNF/0-65	15019	DI/UNC/0-88	15119	1	2	150
DI/UNF/0-66	15020	DI/UNC/0-89	15120	1.1/8	2.1/4	150
DI/UNF/0-66/SPL	15021	DI/UNC/0-89/SPL	15121	1.1/8	2.1/2	150
DI/UNF/0-67	15022	DI/UNC/0-90	15122	1.1/4	2.1/4	150
DI/UNF/0-67/SPL	15023	DI/UNC/0-90/SPL	15123	1.1/4	2.1/2	150
DI/UNF/0-68	15024	DI/UNC/0-91	15124	1.3/8	3	150
DI/UNF/0-69	15025	DI/UNC/0-92	15125	1.1/2	3	150

METRIC ROUND DIES

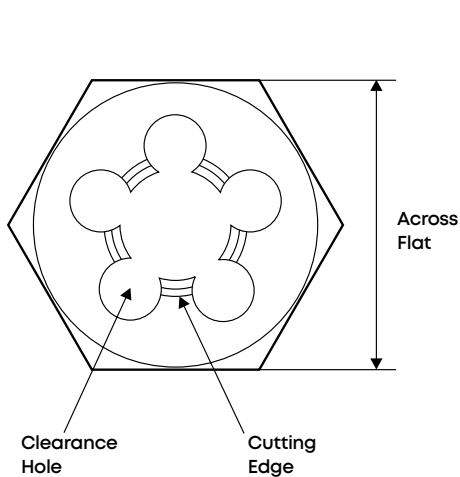
CAT. NR.	ORD NR.	NOMINAL SIZE	OUTER DIA.	BOX QTY.
		(INCH)	(INCH)	
DI/2M	10402	2x0.4	13/16	300
DI/3M	10403	3x0.5	13/16	300
DI/4M	10404	4x0.7	13/16	300
DI/4M/SPL	10440	4 X 0.75	13/16	300
DI/5M	10405	5x0.8	13/16	300
DI/5M/SPL	10441	5 X 0.90	13/16	300
DI/6M	10406	6x1.0	1	300
DI/6M/SPL	10442	6 x 1.0	1.1/2	300
DI/7M	10407	7x1.0	1	300
DI/8M/SPL1	10443	8x1.0	1	300
DI/8M	10408	8x1.25	1	300
DI/8M-SPL	10444	8x1.25	1.1/2	300
DI/9M-SPL	10445	9 x 1.0	1	300
DI/9M	10409	9x1.25	1	300
DI/10M/SPL1	10447	10 X 1.25	1	150
DI/10M	10410	10x1.5	1	150
DI/10M/SPL	10446	10x1.5	1.1/2	150
DI/11M	10411	11 X 1.5	1.1/2	150
DI/12M/SPL	10448	12 X 1.5	1.1/2	150
DI/12M	10412	12x1.75	1.1/2	150
DI/13M	10413	13x1.75	1.1/2	150
DI/14M	10414	14x2.0	1.1/2	150
DI/16M	10416	16x2.0	1.1/2	150
DI/18M	10418	18x2.5	1.1/2	150
DI/20M	10420	20x2.5	2	60
DI/22M	10422	22x2.5	2	60
DI/24M	10424	24x3.0	2	60
DI/27M	10427	27x3.0	2.1/2	60
DI/30M	10430	30x3.5	2.1/2	60

BRITISH STANDARD PARALLEL 55° (BSP) ROUND DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	OUTER DIA.	BOX QTY.
		(INCH)	(INCH)	
DI/BSP/0-93	15200	1/8	1	150
DI/BSP/0-94	15201	1/4	1.1/2	150
DI/BSP/0-95	15202	3/8	1.1/2	150
DI/BSP/0-96	15203	1/2	2	150
DI/BSP/0-97	15204	5/8	2	150
DI/BSP/0-98	15205	3/4	2	150
DI/BSP/0-99	15206	1	2.1/4	150
DI/BSP/0-100	15207	1	2.1/2	60
DI/BSP/0-101	15208	1.1/4	3	60



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.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		(INCH)	(INCH)	(INCH)	
DI/H/BSF/1-8	10600	1/8	0.710	1/4	300
DI/H/BSF/5-32	10607	5/32	0.710	1/4	300
DI/H/BSF/7-32	10608	7/32	0.710	1/4	300
DI/H/BSF/1-4	10601	1/4	0.710	1/4	300
DI/H/BSF/9-32	10609	9/32	0.820	5/16	300
DI/H/BSF/5-16	10610	5/16	0.820	5/16	300
DI/H/BSF/3-8	10602	3/8	0.920	3/8	300
DI/H/BSF/7-16	10611	7/16	1.010	7/16	300
DI/H/BSF/1-2	10603	1/2	1.100	1/2	300
DI/H/BSF/9-16	10612	9/16	1.300	5/8	300
DI/H/BSF/5-8	10604	5/8	1.300	5/8	300
DI/H/BSF/3-4	10605	3/4	1.480	11/16	300
DI/H/BSF/7-8	10613	7/8	1.670	13/16	300
DI/H/BSF/0-1	10606	1	2.050	15/16	300
DI/H/BSF/1-1-8	10614	1.1/8	2.220	1.1/16	300
DI/H/BSF/1-1-4	10615	1.1/4	2.220	1.1/16	300
DI/H/BSF/1-1-3-8	10616	1.3/8	2.580	1.1/8	300
DI/H/BSF/1-1-2	10617	1.1/2	2.760	1.1/4	300
DI/H/BSF/1-5-8	10618	1.5/8	2.760	1.1/4	300
DI/H/BSF/1-3-4	10619	1.3/4	3.150	1.3/8	300
DI/H/BSF/1-7-8	10620	1.7/8	3.150	1.3/8	300
DI/H/BSF/0-2	10621	2	3.330	1.3/4	300

(BSW) 55° HEXAGONAL DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		(INCH)	(INCH)	(INCH)	
DI/H/1-8	10800	1/8	0.710	1/4	300
DI/H/5-32	10809	5/32	0.710	1/4	300
DI/H/7-32	10810	7/32	0.710	1/4	300
DI/H/3-16	10823	3/16	0.710	1/4	300
DI/H/1-4	10802	1/4	0.710	1/4	300
DI/H/9-32	10811	9/32	0.820	5/16	300
DI/H/5-16	10812	5/16	0.820	5/16	300
DI/H/3-8	10803	3/8	0.920	3/8	300
DI/H/7-16	10813	7/16	1.010	7/16	300
DI/H/1-2	10804	1/2	1.100	1/2	300
DI/H/9-16	10814	9/16	1.300	5/8	300
DI/H/5-8	10805	5/8	1.300	5/8	300
DI/H/3-4	10806	3/4	1.480	11/16	300
DI/H/7-8	10807	7/8	1.670	13/16	300
DI/H/0-1	10808	1	2.050	15/16	300
DI/H/1-1-8	10815	1.1/8	2.220	1.1/16	300
DI/H/1-1-4	10816	1.1/4	2.220	1.1/16	300
DI/H/1-1-3-8	10817	1.3/8	2.580	1.1/8	300
DI/H/1-1-2	10818	1.1/2	2.760	1.1/4	300
DI/H/1-5-8	10819	1.5/8	2.760	1.1/4	300
DI/H/1-3-4	10820	1.3/4	3.150	1.3/8	300
DI/H/1-7-8	10821	1.7/8	3.150	1.3/8	300
DI/H/0-2	10822	2	3.330	1.3/4	150

(UNC) 60° HEXAGONAL DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		INCH	INCH	INCH	
DI/H/UNC/1-8	14808	1/8	0.710	1/4	150
DI/H/UNC/5-32	14810	5/32	0.710	1/4	150
DI/H/UNC/7-32	14811	7/32	0.710	1/4	150
DI/H/UNC/1-4	14800	1/4	0.710	1/4	150
DI/H/UNC/9-32	14812	9/32	0.820	5/16	150
DI/H/UNC/5-16	14801	5/16	0.820	5/16	150
DI/H/UNC/3-8	14802	3/8	0.920	3/8	150
DI/H/UNC/7-16	14813	7/16	1.010	7/16	150
DI/H/UNC/1-2	14803	1/2	1.100	1/2	150
DI/H/UNC/9-16	14814	9/16	1.300	5/8	150
DI/H/UNC/5-8	14804	5/8	1.300	5/8	150
DI/H/UNC/3-4	14805	3/4	1.480	11/16	150
DI/H/UNC/7-8	14809	7/8	1.670	13/16	150
DI/H/UNC/0-1	14806	1	2.050	15/16	150
DI/H/UNC/1-1-8	14807	1.1/8	2.220	1.1/16	150
DI/H/UNC/1-1-4	14815	1.1/4	2.220	1.1/16	150
DI/H/UNC/1-3-8	14816	1.3/8	2.580	1.1/8	150
DI/H/UNC/1-1-2	14817	1.1/2	2.760	1.1/4	150
DI/H/UNC/1-5-8	14818	1.5/8	2.760	1.1/4	150

METRIC HEXAGONAL DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		MM	INCH	INCH	
DI/H/3M	10503	3	0.710	1/4	300
DI/H/4M	10504	4	0.710	1/4	300
DI/H/5M	10505	5	0.710	1/4	300
DI/H/6M	10506	6	0.710	1/4	300
DI/H/7M	10507	7	0.820	5/16	300
DI/H/8M	10508	8	0.820	5/16	300
DI/H/9M	10509	9	0.920	3/8	300
DI/H/10M	10510	10	0.920	3/8	300
DI/H/11M	10511	11	1.010	7/16	300
DI/H/12M	10512	12	1.100	1/2	300
DI/H/14M	10514	14	1.300	5/8	300
DI/H/16M	10516	16	1.300	5/8	300
DI/H/18M	10518	18	1.300	5/8	300
DI/H/18M/SPL	10519	18	1.480	11/16	300
DI/H/20M	10520	20	1.480	11/16	300
DI/H/22M	10522	22	1.670	13/16	150
DI/H/24M	10524	24	2.050	15/16	150
DI/H/27M	10527	27	2.220	1.1/16	150
DI/H/30M	10530	30	2.220	1.1/16	60
DI/H/33M	10533	33	2.580	1.1/8	60

(UNF) 60° HEXAGONAL DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		(INCH)	(INCH)	(INCH)	
DI/H/UNF/1-8	10911	1/8	0.710	1/4	150
DI/H/UNF/5-32	10912	5/32	0.710	1/4	150
DI/H/UNF/7-32	10913	7/32	0.710	1/4	150
DI/H/UNF/1-4	10900	1/4	0.710	1/4	150
DI/H/UNF/9-32	10914	9/32	0.820	5/16	150
DI/H/UNF/5-16	10901	5/16	0.820	5/16	150
DI/H/UNF/3-8	10902	3/8	0.920	3/8	150
DI/H/UNF/7-16	10915	7/16	1.010	7/16	150
DI/H/UNF/1-2	10903	1/2	1.100	1/2	150
DI/H/UNF/9-16	10916	9/16	1.300	5/8	150
DI/H/UNF/5-8	10904	5/8	1.300	5/8	150
DI/H/UNF/3-4	10905	3/4	1.480	11/16	150
DI/H/UNF/7-8	10910	7/8	1.670	13/16	150
DI/H/UNF/0-1	10906	1	2.050	15/16	150
DI/H/UNF/1-1-8	10908	1.1/8	2.220	1.1/16	150
DI/H/UNF/1-1-4	10909	1.1/4	2.220	1.1/16	150
DI/H/UNF/1-3-8	10917	1.3/8	2.580	1.1/8	150
DI/H/UNF/1-1-2	10918	1.1/2	2.760	1.1/4	150
DI/H/UNF/1-5-8	10919	1.5/8	2.760	1.1/4	150

55° BSP HEXAGONAL DIES

CAT. NR.	ORD NR.	NOMINAL SIZE	A/F (ACROSS FLATS)	THICKNESS	BOX QTY.
		INCH	INCH	INCH	
DI/H/BSP/1-8	10700	1/8	0.920	3/8	300
DI/H/BSP/1-4	10701	1/4	1.100	1/2	300
DI/H/BSP/3-8	10702	3/8	1.300	5/8	300
DI/H/BSP/1-2	10703	1/2	1.670	13/16	300
DI/H/BSP/5-8	10704	5/8	1.670	13/16	300
DI/H/BSP/3-4	10705	3/4	2.050	15/16	150
DI/H/BSP/7-8	10707	7/8	2.220	1.1/16	150
DI/H/BSP/0-1	10706	1	2.580	1.1/8	60
DI/H/BSP/1-1-4	10708	1.1/4	2.760	1.1/4	60
DI/H/BSP/1-1-2	10709	1.1/2	3.150	1.1/4	60
DI/H/BSP/1-3-4	10710	1.3/4	3.330	1.1/4	60





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**SPECIALTY
HANDTOOLS**

50% Stronger & More Durable than most other riveters in the market

Manufactured from high strength structural steel

All parts that come in contact with the rivet are heat treated for increased wear resistance

Easy Maintenance

Jaws can be cleaned without tool disassembly

Ergonomically designed longer handle to suit all hand sizes. Complete with PVC dip coated non-slip grip

Attractive and safe lead free powder coated finish

Includes 4 nose pieces & a nose piece wrench

For Riveting

- a. Aluminum Pop / Blind Rivets:
 - 3/32" (2.4 mm)
 - 1/8" (3.2 mm)
 - 5/32" (4.0 mm)
 - 3/16" (4.8 mm)
- b. Stainless Steel Rivets:
 - 1/8" (3.2 mm)
 - 5/32" (4.0 mm)

Suitable for industrial, engineering & maintenance jobs



Nose body designed to fit into smaller applications



Longer handle with ergonomic PVC dip coated sleeve



4 nose pieces for a range of rivets sizes:
3/32" (2.4 mm)
1/8" (3.2 mm)
5/32" (4.0 mm)
3/16" (4.8 mm)



Convenient change of nose pieces with wrench

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
RT/FH-10	31653	36



50% Stronger & More Durable than most other riveters in the market

Designed for riveting threaded inserts for use as nuts

Manufactured from high strength structural steel

All parts that come in contact with the rivet are heat treated for increased wear resistance

Ergonomically designed handle to suit all hand sizes. Complete with PVC dip coated non-slip grip

Attractive and safe lead free powder coated finish

Includes

- 3 threaded Mandrels
- 3 Nose pieces for riveting M4, M5 & M6 threaded rivets
- Spare M4 Rivets: 15
- Spare M5 Rivets: 15
- Spare M6 Rivets: 10


M4 Rivets: 15

M5 Rivets: 15

M6 Rivets: 10

Threaded Mandrels & Nose pieces


Convenient change of nose pieces with wrench

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
RT/FH-20	31654	20

Heavy duty industrial hand riveter best suited for continuous & repetitive usage especially in automotive, construction & agricultural application

Strong & sturdy yet lightweight aluminum die cast body & handle with heavy gauge steel springs

All parts that come in contact with the rivet are heat treated for increased wear resistance

Attractive and safe lead free powder coated finish

Includes 3 nose pieces & a spanner

Suitable for riveting aluminum, steel & stainless steel pop / blind rivets
1/8" (3.2 mm), 5/32"
(4.0 mm) & 3/16" (4.8 mm)

**ORDERING INFORMATION**

CAT NR.	ORD NR.	BOX QTY.
LT/FH-44	31655	10



198

Heavy Duty Hand Riveter

RT-HD

High performance 2 jaw riveter with built in mandrel collector

5 interchangeable nose pieces threaded onto the handle for convenient storage when not in use

Well balanced long arms for greater leverage

Anti-skid and soft handle grip for user comfort

Fewer moving parts ensure less wear & tear

For Riveting

a. Aluminum and steel POP/ Blind Rivets

- 1/8" (3.2 mm)
- 5/32" (4.0 mm)
- 3/16" (4.8 mm)
- 15/64" (6.0 mm)
- 1/4" (6.4 mm)

b. Stainless Steel Rivets

- 1/8" (3.2 mm)
- 5/32" (4.0 mm)
- 3/16" (4.8 mm)
- 15/64" (6.0 mm)

Ideal for use in ship building, machine manufacturing, on-shore & off-shore fabrication jobs, infrastructure projects, agriculture equipment manufacturing etc.



ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
RT/HD/17	31658	10

199

360° Swivel Hand Riveter

RT-SW

Innovative 360° swivel head riveter that can be used at any angle

Swivel head allows the user to set rivets at right angle or straight-on with a simple twist of riveter head

Manufactured from high strength structural steel and light weight aluminum alloy

All parts that come in contact with rivet are heat treated for increased wear resistance

Spring loaded riveter handle for easy rivet loading

Anti slip TPR grip for user comfort for riveting

Premium powder coated finish for corrosion resistance

Includes 4 nose pieces & a nose piece wrench

For Riveting

a. Aluminum and Steel POP/ Blind Rivets

Rivets

3/32" (2.4 mm)

1/8" (3.2 mm)

5/32" (4.0 mm)

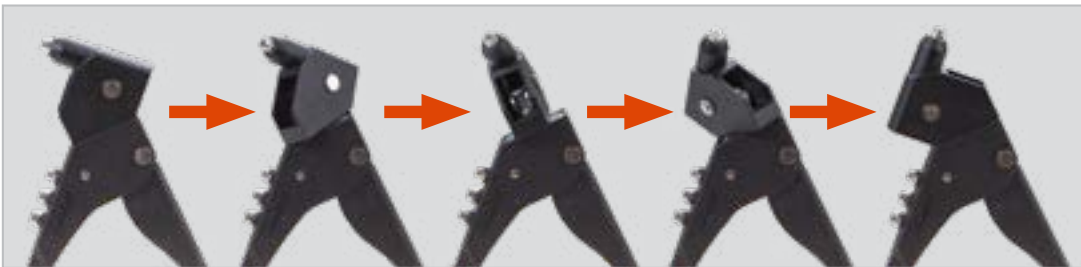
3/16" (4.8 mm)

b. Stainless Steel Rivets

1/8" (3.2 mm)

5/32" (4.0 mm)

Suitable for industrial, automotive, engineering & maintenance jobs



360° swivel head allows the user to set rivets at right angle or straight-on with a simple twist of rivet head

ORDERING INFORMATION

CAT NR.	ORD NR.	BOX QTY.
RT/SW/360	31659	10



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

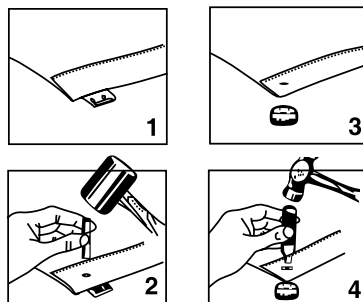
These are offered as a kit containing:

- a. Solid Brass Grommets
- b. Hole Punch
- c. Backer Block
- d. Setting Tool
- e. 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



Hole Punch

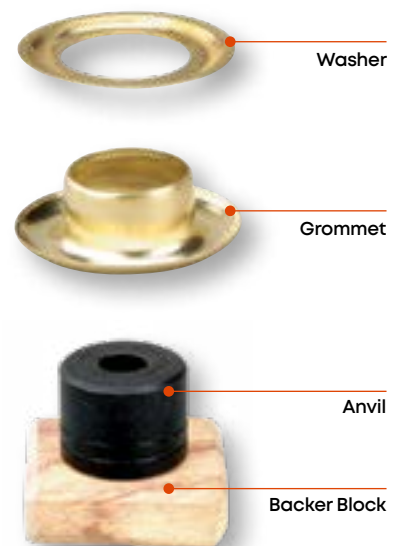


Setting Tool

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	KIT CONSTITUENTS	BOX QTY.
GROMMET KITS				
GRMT/1-4/ST24	26600	1/4" (6mm)	Includes 24 brass grommets (eyelets), hole punch, backer block, setting tool and anvil	80
GRMT/3-8/ST12	26601	3/8" (10mm)	Includes 12 brass grommets (eyelets), hole punch, backer block, setting tool and anvil	80
GRMT/1-2/ST12	26602	1/2" (12mm)	Includes 12 brass grommets (eyelets), hole punch, backer block, setting tool and anvil	80
REPLACEMENT GROMMETS				
GRM/B/1-4/ST24	26650	1/4" (6mm)	24 Replacement Grommets	500
GRM/B/3-8/ST12	26651	3/8" (10mm)	12 Replacement Grommets	375
GRM/B/1-2/ST12	26652	1/2" (12mm)	12 Replacement Grommets	400

Grommet Kit



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

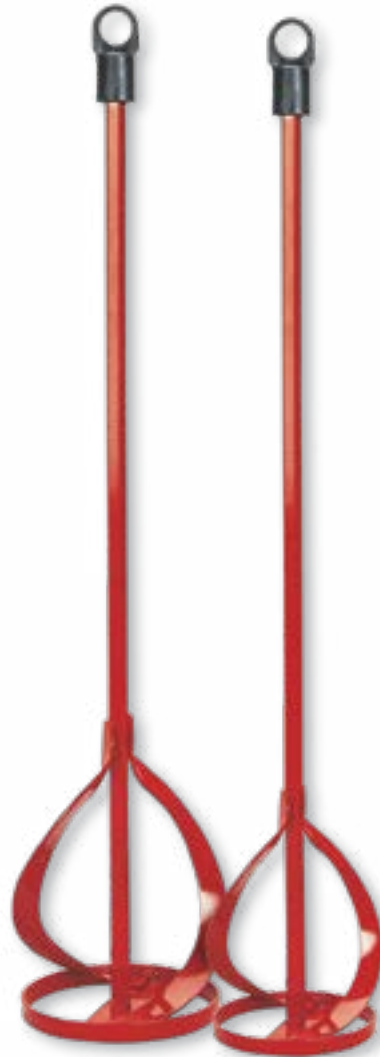
Using Paint Mixers

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



ORDERING INFORMATION

CAT. NR.	ORD NR.	DIA. OF MIXING WHEEL		LENGTH		FITS DRILL SIZE		BOX QTY.
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
* PMX/60	14620	2.3/8	60	16	400	3/8	9.5	80
PMX/80	14621	3.3/16	80	16	400	3/8	9.5	40

* Best Seller



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

**ORDERING INFORMATION**

CAT NR.	ORD NR.	OVERALL LENGTH		BOX QTY.
		(INCH)	(MM)	
SA/818	03230	6-15/32	165	150

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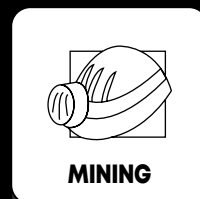
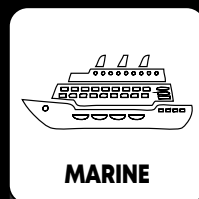
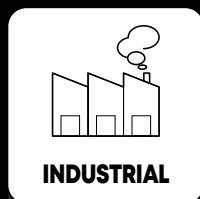
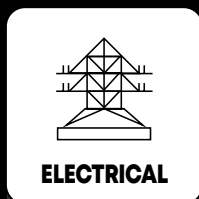
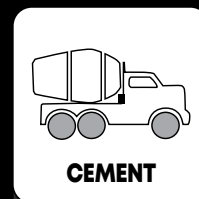
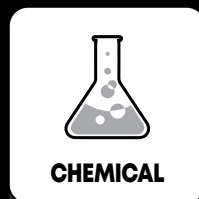
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01550	226	25451	55	25704	48	26320	58	26413	59	31583	208	31864	200
01551	226	25452	55	25705	48	26321	58	26440	60	31600	212	31865	200
01554	226	25500	51	25706	48	26322	58	26441	60	31630	211	31866	200
03250	117	25501	51	25707	48	26323	58	26442	60	31631	211	31867	200
03251	116	25502	51	25708	48	26324	58	26600	246	31642	213	31868	200
03252	116	25503	51	25709	48	26325	58	26601	246	31643	213	31869	200
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09112	231	25543	51	25808	52	26335	59	30101	79	31741	210	31903	202
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