

A man with a beard, wearing a white t-shirt, grey work gloves, and a black headlamp with the GROZ logo, is working on a car engine. He is looking intently at the engine components. The background is dark with horizontal orange and white stripes. The GROZ logo is prominently displayed in the top right corner.

GROZ

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GL-10



GROZ presents industry's premium line of high performance LED lights. All lights are carefully designed and manufactured with improved light output, battery capacity, ergonomics, durability, user-friendliness and functionality. Incorporating the latest technology, these are ideal for the professional users in industry, automotive, construction, agricultural, mining, adventure and several other outdoor applications.

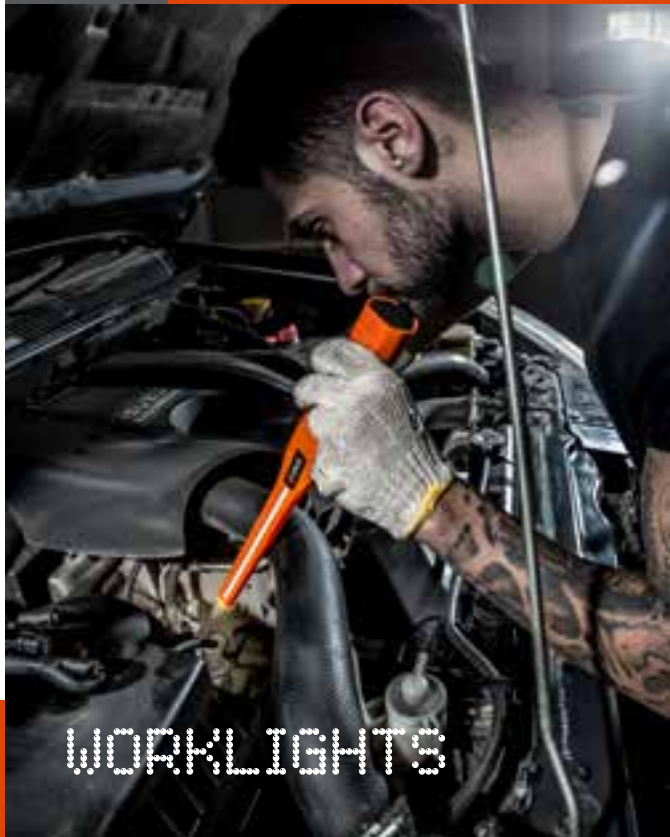
LED technology is amongst the fastest evolving technologies. Due to our distinctive strength in product design, manufacturing and in-house know-how we have the capability to constantly upgrade our product line and pursue new opportunities. We strive to be an active partner for our customers and users and constantly work on providing, technical know-how, marketing and service support to help sell the product.



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www.groz-tools.com



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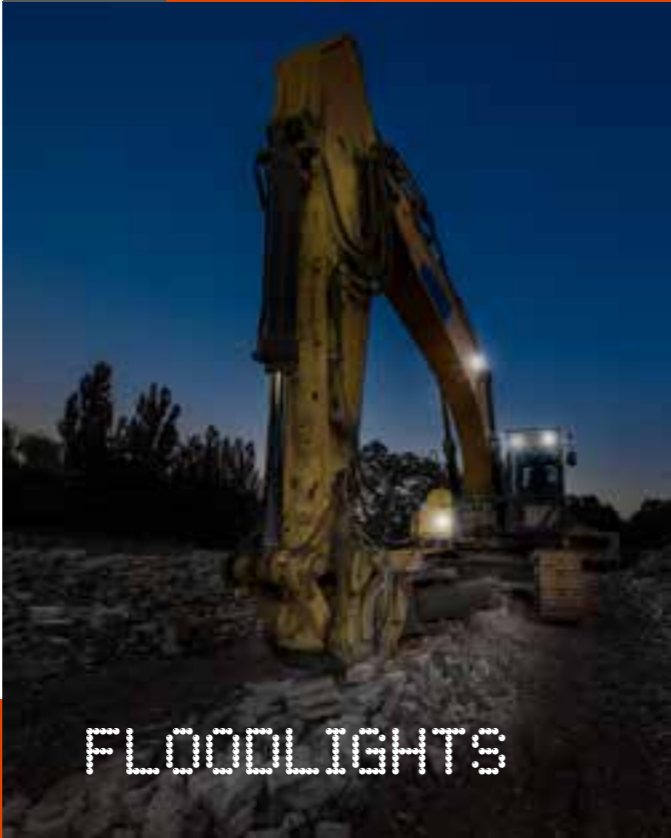
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WE MAKE
THE JOB EASY!

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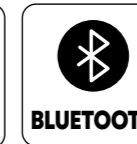
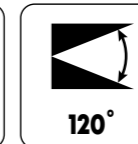
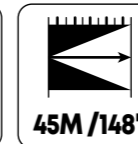
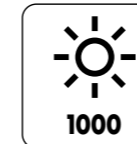
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Indemnity: The customer shall indemnify the company against all claims in respect of any loss, injury or damage sustained by a third party arising from the sales of the goods to the buyer how so ever caused and also against all actions, proceedings, costs, claims, demands and expenses made, brought or claimed against the company in respect of the infringement of any patent, trademark or registered design.

01

Worklight Bluetooth Speaker

LED-695



NEW!
CE
RoHS
IP54

Rechargeable COB worklight with bluetooth speakers

Light Output

Multiple settings for optimised control over output & run time

| INTENSITY | 100% | 80% | 60% | 40% | 20% |
|-----------|-----------|---------|-----------|---------|----------|
| LUMEN | 1000 | 800 | 600 | 400 | 200 |
| RUN TIME | 1.5 hours | 3 hours | 3.5 hours | 6 hours | 10 hours |

Powerful Bluetooth Speaker

Superior sound quality bluetooth speaker with range upto 10 meter (32') for endless music at work

Compatible with Android & IOS Press and hold the ON/OFF button to switch on Bluetooth and connect to "BT1000" from your phone

Sturdy Construction

a. IP 54 Rated

Protected against dust and effects of water spray from any direction

b. Impact resistant ABS body with aluminium fins on the back for efficient heat dissipation

Versatile Use

- Use as a free standing worklight with mounting bracket for hands-free working
- Attached to any metallic surface using the magnet on bracket handle
- Hung from a scaffolding
Bracket handle is designed for direct mounting on the scaffolding bracket leaving both hands free

Charging of Battery

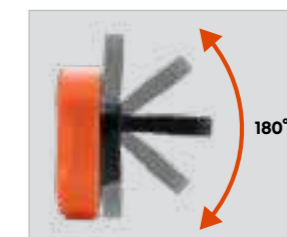
Recharge using micro USB cable provided with the light

Charge your phone

Rechargeable battery also doubles up as a power bank



10W Powerful COB light



Mounting bracket can be rotated 180°

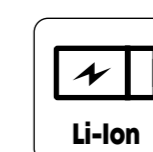


Hands-free operation
Affix light on any metal surface using magnet on the handle

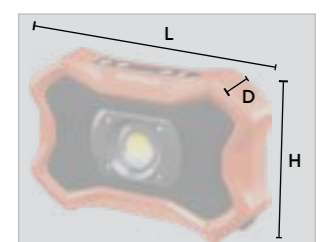


USB output to charge mobile phones

POWER SOURCE



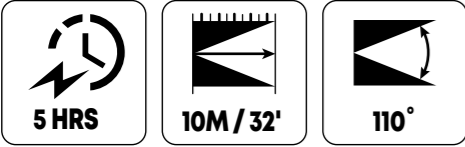
7.4V 2000 mAh



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|-----------------------------|--------------------|----------|
| | | (INCH) | (MM) | |
| LED/695 | 55117 | 7-23/64 x 4-53/64 x 1-63/64 | 187 x 122.5 x 50.5 | 10 |

WORKLIGHTS



Powerful rechargeable COB worklight designed for the professional user

Available in two versions

- a. LED-550 10W COB
- b. LED-560 20W COB

Light Output

Single button controlled variable output. Simply push button to change from 50% intensity to full 100% power

Sturdy Construction

- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
- b. **IK 07 Rated**
Impact proof & corrosion resistant aluminium die cast housing in premium powder coated finish with rubberised edge guards make it resistant to shocks and vibration – common on any jobsite

Versatile Use

- Can be used as:
- a. Free standing worklight with mounting bracket that can be rotated 180° to focus light in need
 - b. Attached to any metallic surface using the magnetic base plate. The magnetic base plate can be easily removed
 - c. Hung from a scaffolding, bracket Handle is designed for direct mounting on the scaffolding bracket leaving both hands free for any other job

Complete with USB cable & magnet holder

Charging of Battery

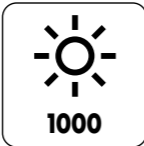
Battery can be recharged using standard USB cable provided with the light

Charge Your Phone

Rechargeable battery also doubles up as a power bank



LED-550
10W COB



| INTENSITY | 100% | 50% |
|-----------|---------|---------|
| LUMEN | 1000 | 500 |
| RUN TIME | 3 hours | 6 hours |



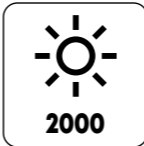
3.7V 4400 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxH) | | BOX QTY. |
|---------|---------|-------------|-----------|----------|
| | | (INCH) | (MM) | |
| LED/550 | 55046 | 6-11/16 x 5 | 170 x 125 | 10 |



LED-560
20W COB



| INTENSITY | 100% | 50% |
|-----------|---------|---------|
| LUMEN | 2000 | 1000 |
| RUN TIME | 3 hours | 6 hours |



7.4V 4400 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxH) | | BOX QTY. |
|---------|---------|----------------|-----------|----------|
| | | (INCH) | (MM) | |
| LED/560 | 55047 | 7-9/32 x 5-1/2 | 185 x 140 | 8 |

Rubberised plastic corner protectors

Powerful COB light

Aluminium die cast body



Use magnetic base to attach to any metallic surface



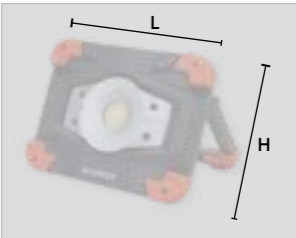
Mounting bracket can be rotated 180°



Impact Resistant



In-built power banks to charge mobile devices



SCAN TO WATCH



2800



4 HRS
at lowest intensity



3 HRS



10M / 32'



110°

Dual power worklight for use on construction sites, in general maintenance, workshops etc.

Light Output
Single button controlled variable output. Simply push button to change from 50% to full 100% intensity

| | LITHIUM ION BATTERY | | AC SUPPLY |
|-----------|---------------------|---------|-----------|
| INTENSITY | 100% | 50% | 100% |
| LUMEN | 2800 | 1400 | 2800 |
| RUN TIME | 2 hours | 4 hours | - |


Cool Light
Finned design reduces heating up of light

- Sturdy Construction**
- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
- b. **IK 07 Rated**
Impact-proof & corrosion resistant aluminium die cast housing in premium powder coated finish. Rubberised edge guards make the light resistant to shocks and vibration – common in on any jobsite

- Versatile Use**
Can be used as:
- a. Free standing worklight with mounting bracket
- b. On magnetic base - removable magnetic base can be attached onto any metallic surface leaving both hands free
- c. On tripod stand to light overhead work or minimise shadows when directing the light downwards.


Charge Your Phone
Rechargeable and removable battery pack also doubles as a power bank

DUAL POWER SOURCE



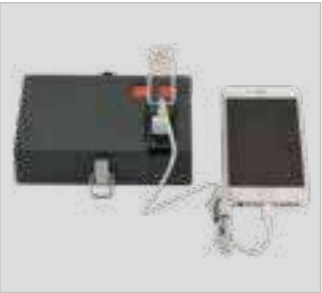
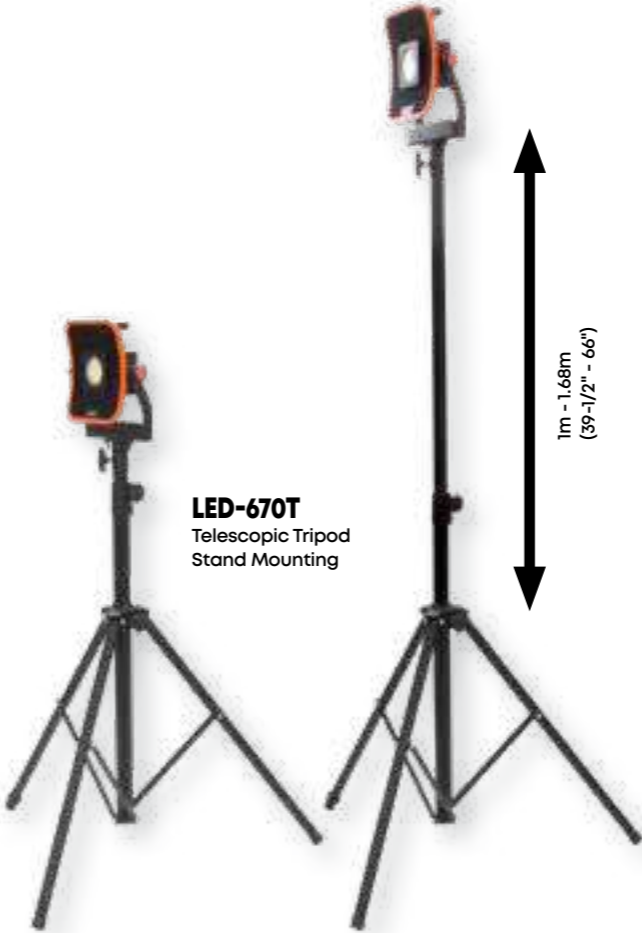
Li-Ion

7.4V 4400 mAh



AC

220V AC, 50Hz
115 V AC, 60Hz



ORDERING INFORMATION

| CAT NR. | ORD NR. | DESCRIPTION | SIZE (LxHxD) | | BOX QTY. |
|----------|---------|--------------------------------|--------------------------|-------------------------|----------|
| | | | (INCH) | (MM) | |
| LED/670 | 55050 | Worklight | 9.5 x 10 x 5 | 24 x 26 x 13 | 4 |
| LED/670T | 55077 | Worklight complete with tripod | 46 x (48 to 75-1/2) x 46 | 117 x (122 - 192) x 117 | 4 |





Powerful multi-directional flooding output

Light Output
Twin heads deliver high quality, uniform illumination upto 4500 Lumens

Single button controlled multiple settings for optimized control over output and run-time

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS |
|-----------|-----------|-----------|-----------|-----------|
| INTENSITY | 25% | 50% | 75% | 100% |
| LUMENS | 750 | 1500 | 3000 | 4500 |
| RUN TIME | 12 hours | 6 hours | 3.5 hours | 2 hours |

Sturdy Construction

- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
- b. **IK 07 Rated**
Impact-proof nylon body and handle with sturdy polycarbonate lens will stand-up-to tough jobsite conditions

Versatile Use

- Can be used as
1. Compact and portable, free standing floodlight bright enough to light up large areas
 2. On tripod stand to light overhead work and minimize shadows when directing the light downwards

Replaceable battery back gives infinite life to the worklight. Light has a working life upto 100,000 hours of use

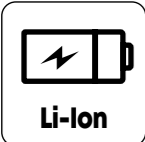
Charging of Battery

100-240V—20V 1.1A charger (included)

Charge Your Phone

Rechargeable and removable battery pack doubles up as a power bank

POWER SOURCE



14.8V 5200 mAh



LED-680
Floodlight

0.7m - 1.7m
(27-1/2" - 67")

LED-680T
Floodlight
complete with tripod

TURN, TWIST TO FOCUS AS REQUIRED



Duo Play

180° Horizontal

90° Vertical

SUPER HEAVY DUTY POWER TOOL BATTERY PACK



14.8V 5200mAh Li-ion Super Heavy Duty Power Tool Battery Pack

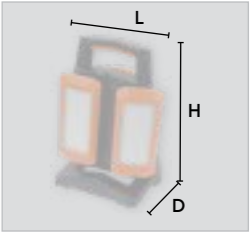
Battery Level Indicator via 5 LED's

In-Built Power Bank to charge mobile devices

ORDERING INFORMATION

| CAT NR. | ORD NR. | DESCRIPTION | SIZE (L×H×D) | | BOX QTY. |
|----------|---------|---------------------------------|----------------------------------|---------------------------|----------|
| | | | (INCH) | (MM) | |
| LED/680 | 55089 | Floodlight | 11-3/16 × 7 × 5-1/8 | 288 × 176 × 131 | 1 |
| LED/680T | 55090 | Floodlight complete with tripod | 11-3/16 × (27-1/2 to 67) × 5-1/8 | 288 × (699 to 1702) × 131 | 1 |

CE
RoHs
IP54
IK07



05

Cordless Sitalamp
3 Head Design

LED-685



2000



8.5 HRS
at lowest intensity



5 HRS



50M / 164'

Triple Head sitalamp for 360° multi-directional illumination

Easy set-up light, this is ideal for use in automotive repair work, roadside emergencies, construction sites, camping etc.

Adjustable 3 blades design for multi- directional light. Heads can be independently rotated to cast light in several directions simultaneously

Control panel to adjust intensity & switch between warm and cool light

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | WHILE CHARGING |
|-----------|-----------|-----------|-----------|----------------|
| INTENSITY | LOW | MEDIUM | HIGH | MEDIUM |
| LUMEN | 700 | 1200 | 2000 | 1200 |
| RUN TIME | 8.5 hours | 3.5 hours | 1.5 hours | - |

Sturdy Construction

- a. IP 54 Rated
- Protected against dust and effects of water spray from any direction
- b. IK 07 Rated
- Impact proof & corrosion resistant aluminium Body in premium powder coated finish. ABS edge guards make it resistant to shocks and vibration – common on any jobsite
- c. Nylon hook with 360° rotating action

Versatile Use

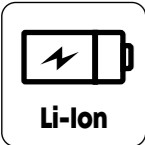
Can be used as

1. Compact and portable, free standing floodlight bright enough to light up large areas
2. Attached to any metallic surface using the magnetic base
3. On tripod stand to light overhead work and minimize shadows when directing the light downwards

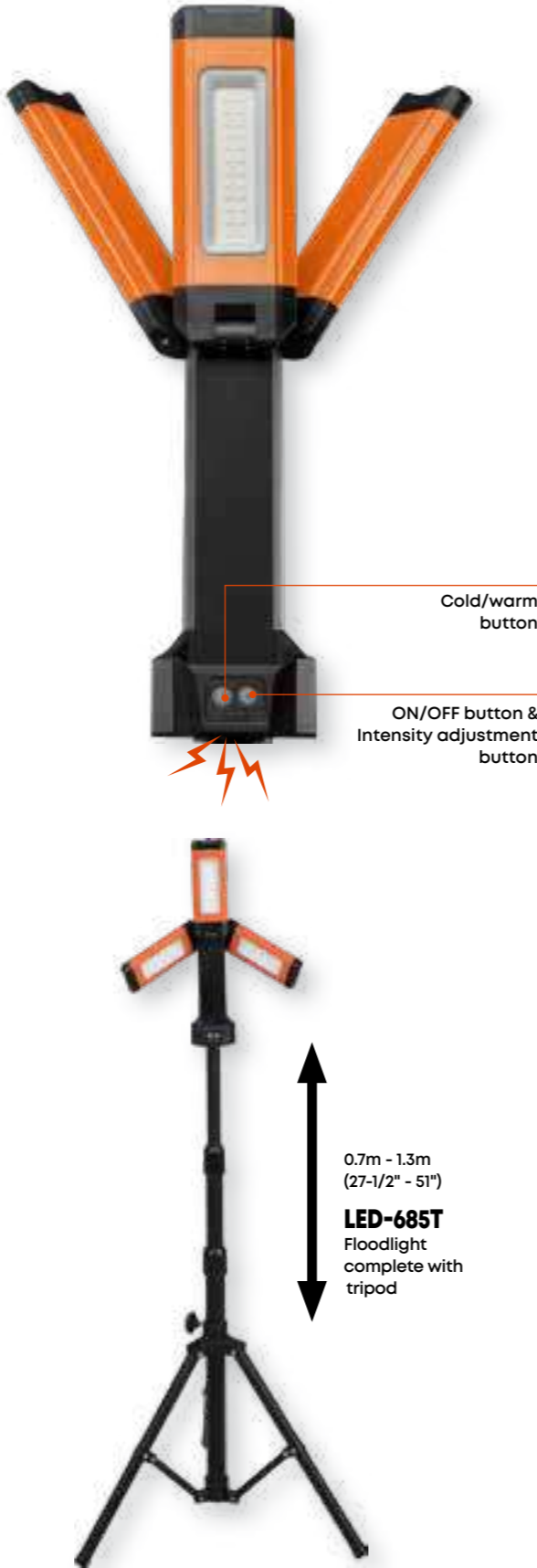
Charging of Battery

Type-C fast charging protected by rubberized bezel.
Charge indicated via 4 LED's, each showing 25% charge

POWER SOURCE



3.7V 4000 mAh



Adjustable blade design
270° rotating light folds back into a compact sitalamp & 180° pivoting action to direct light in the desired direction



Nylon hook with 360° rotation



Hands-free operation
3 super strong magnet on base



NEW!
CE
RoHs
IP54
IK07

WARM LIGHT

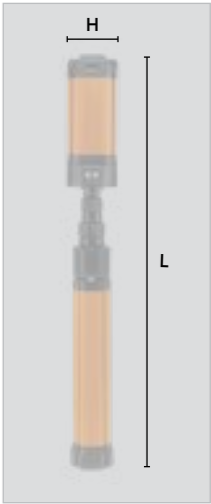


COOL LIGHT



ORDERING INFORMATION

| CAT NR. | ORD NR. | DESCRIPTION | SIZE (L×H×D) | | BOX QTY. |
|----------|---------|-------------------------------|------------------------------|------------------|----------|
| | | | (INCH) | (MM) | |
| LED/685 | 55118 | Sitalamp | 25-63/64 × 2-31/32 × 3-3/16 | 660 × 75.5 × 81 | 1 |
| LED/685T | 55119 | Sitalamp complete with tripod | 28-17/64 × 6-27/64 × 19-9/16 | 718 × 1630 × 497 | 1 |



06

Sitelamp
360° Swivel

LED-660



Multi-mode super bright 36W 72 SMD site lamp

Light Output
Single button controlled high quality output in multiple modes

| INTENSITY | HIGH | MEDIUM | LOW |
|-----------|-----------|-----------|---------|
| LUMEN | 3000 | 1500 | 750 |
| RUN TIME | 1.5 hours | 2.5 hours | 5 hours |

- Sturdy Construction**
- a. **IP65 Rated**
Protected against dust and effects of low pressure water jets from any direction
 - b. Corrosion resistant aluminium die cast construction in premium powder coated finish
 - c. Impact proof ABS frame
 - d. Tempered glass lens
 - e. Steel handle with foam grip
 - f. Sturdy steel stand for balanced positioning in the toughest of job site conditions

- Swivel & tilt design**
Patented 360° swivel & tilt mechanism. Ball joint mechanism allows
- a. Swivelling of light full 360°
 - b. Tilt

Charging of Battery
Battery can be recharged using dual voltage (110V-240V) AC adaptor

Charge Your Phone
Rechargeable battery pack also doubles as a power bank

POWER SOURCE



7.4V 4400 mAh

ORDERING INFORMATION

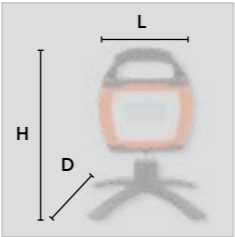
| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/660 | 55043 | 8.7 × 8.7 × 12.2 | 223 × 223 × 309 | 8 |



Tilt & swivel to 360°



3 LED battery level indicator

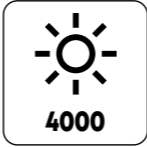


SCAN TO WATCH

07

Worklight
Cable Reel

LED-800



4000 lumens worklight with built-in cable reel

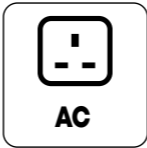
- Sturdy Construction**
- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
 - b. **IK 07 Rated**
Impact-proof aluminium die cast housing with polycarbonate lens will stand-up to tough jobsite conditions
 - c. In-built handle for comfortable grip
 - d. Complete with 5m (16ft) cable with a socket useful to connect multiple lights in series for higher illumination

- Versatile Use**
- a. Free standing worklight with adjustable swivel stand
 - b. Attached to any metallic surface using 4 super strong magnets at the back of light



Swivel stand

POWER SOURCE



220V AC, 50Hz
110 V AC, 60Hz



90° rotating COB light to focus beam as needed



4 Super strong magnets on the back



3000W Socket on one end, to connect multiple lights in series or use the socket to connect to a power tool

ORDERING INFORMATION

| CAT NR. | ORD NR. | PLUG TYPE | POWER SOURCE | BOX QTY. |
|------------|---------|-----------|---------------|----------|
| LED/800/EU | 55048 | EU | 220V AC, 50Hz | 1 |
| LED/800/US | 55051 | US | 110V AC, 60Hz | 1 |



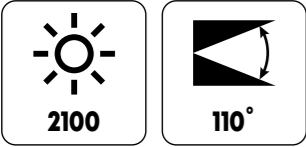
SCAN TO WATCH



08

Site Lamp
AC Powered

LED-602



CE
RoHs
IP65

Powerful 28 SMD portable light for use on construction sites, workshop etc.

Light Output
High quality output of 2100 lumen for maximum coverage of workspace

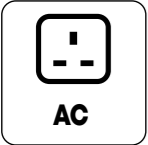
Cool Light
Finned design reduces heating up of light

- Sturdy Construction**
- a. **IP 65 Rated**
Protected against dust and effects of pressure jets from any direction
 - b. Corrosion resistant aluminium die-cast housing in premium powder coated finish
 - c. High impact polycarbonate lens to withstand harsh job site conditions
 - d. Complete with 4m (13') long power cord

Portable
Free standing steel stand with cushion grip and adjustable bracket makes it convenient to move light as required in the workspace

Easy Set-up and instant illumination

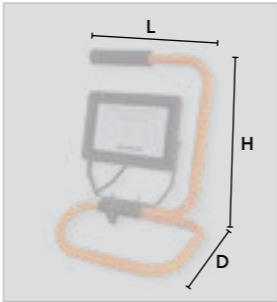
POWER SOURCE



220V AC, 50Hz
110 V AC, 60Hz

ORDERING INFORMATION

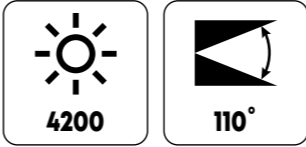
| CAT NR. | ORD NR. | PLUG TYPE | SIZE (LxHxD) | | BOX QTY. |
|------------|---------|-----------|----------------------|-----------------|----------|
| | | | (INCH) | (MM) | |
| LED/602/US | 55075 | US Pin | 9-1/16 x 14-3/16 x 8 | 230 x 360 x 205 | 8 |
| LED/602/EU | 55069 | EU Pin | 9-1/16 x 14-3/16 x 8 | 230 x 360 x 205 | 8 |



09

Site Lamp with Tripod
AC Powered

LED-612



CE
RoHs
IP65

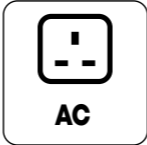
Powerful 2x30 SMD easy set up tower light for professional users on construction sites, workshops etc.

Light Output
High quality output of 4200 lumen for maximum coverage of workspace

Cool Light
Finned design reduces heating up of light

- Sturdy Construction**
- a. **IP 65 Rated**
Protected against dust and effects of pressure jets from any direction
 - b. Corrosion resistant aluminium die-cast housing in premium powder coated finish
 - c. Telescopic stand can be extended from 0.8m - 1.72m (31 - 67 inch) to light overhead work or minimise shadows when casting light downwards
 - d. Complete with 4m (13') long power cord

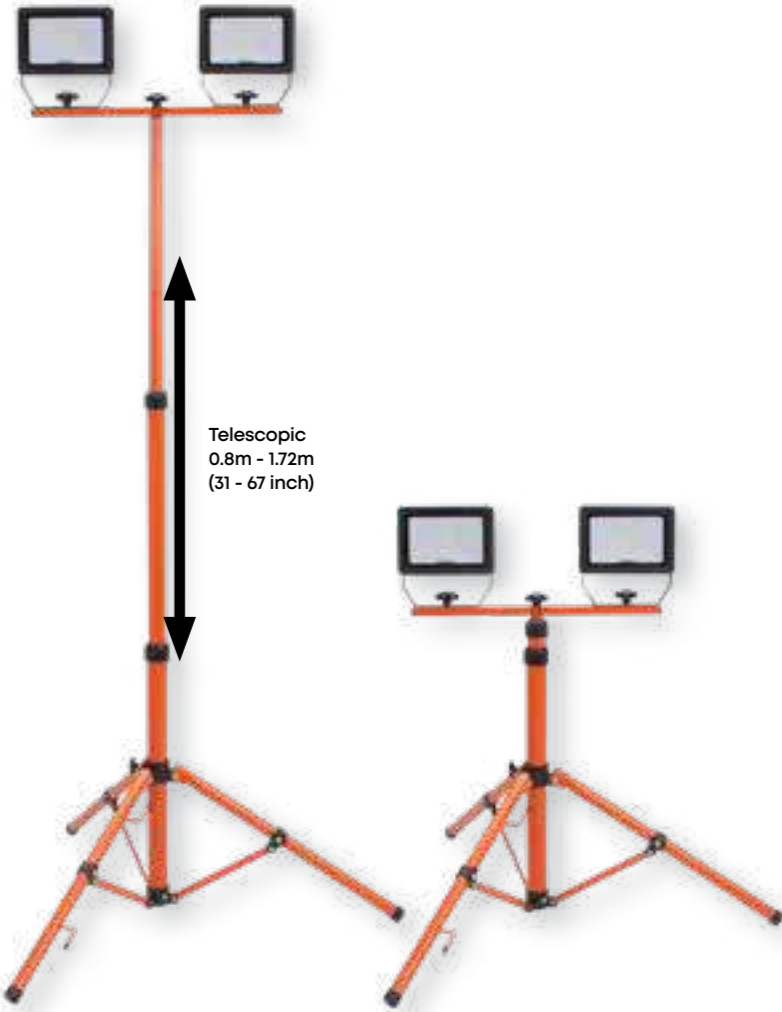
POWER SOURCE



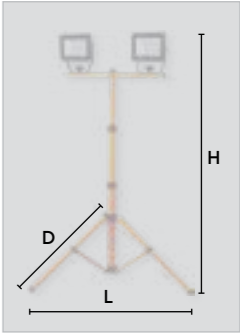
220V AC, 50Hz
110 V AC, 60Hz

ORDERING INFORMATION

| CAT NR. | ORD NR. | PLUG TYPE | SIZE (LxHxD) | | BOX QTY. |
|------------|---------|-----------|-------------------|------------------|----------|
| | | | (INCH) | (MM) | |
| LED/612/US | 55076 | US Pin | 37 x 68-3/32 x 37 | 940 x 1730 x 940 | 2 |
| LED/612/EU | 55070 | EU Pin | 37 x 68-3/32 x 37 | 940 x 1730 x 940 | 2 |



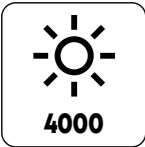
Telescopic
0.8m - 1.72m
(31 - 67 inch)



10

Foldable Worklight
AC Powered

LED-616



Distinctive ergonomic design for illuminating the darkest of areas. Easy set-up for instant illumination

Light Output

| INTENSITY BUTTON | 1ST PRESS | 2ND PRESS |
|------------------|-----------|-----------|
| INTENSITY | 100% | 50% |
| LUMEN | 4000 | 2000 |

Sturdy Construction

- a. IP 54 Rated
Protected against dust and effects of water spray from any direction
- b. IK 08 Rated
Impact-proof aluminium body with polycarbonate lens will withstand tough jobsite conditions
- c. In-built handle for comfortable grip
- d. Complete with 4.5m (15') long power cord

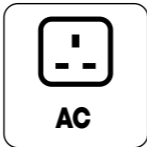
Portable

Free standing steel stand and adjustable bracket makes it convenient to move light as required in the workspace



NEW!
CE
RoHS
IP54
IK08

POWER SOURCE



220V AC, 50Hz
110 V AC, 60Hz



Compact Design: Fully foldable light for easy storage



Turn the heads to focus light beam on the job

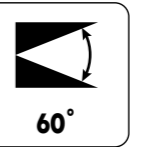
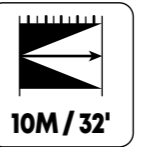
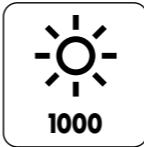
ORDERING INFORMATION

| CAT NR. | PLUG TYPE | POWER SOURCE | SIZE (LxHxD) (OPEN) | | SIZE (LxHxD) (CLOSE) | | BOX QTY. |
|------------|-----------|----------------|-------------------------|-----------------|-------------------------|-----------------|----------|
| | | | (INCH) | (MM) | (INCH) | (MM) | |
| LED/616/US | US | 110V AC, 60 Hz | 15-3/4 x 10-3/4 x 7-1/2 | 400 x 274 x 190 | 9-1/6 x 8-13/16 x 7-1/2 | 231 x 224 x 190 | 2 |
| LED/616/EU | EU | 220V AC, 50 Hz | 15-3/4 x 10-3/4 x 7-1/2 | 400 x 274 x 190 | 9-1/6 x 8-13/16 x 7-1/2 | 231 x 224 x 190 | 2 |

11

Worklight
270° Swivelling with Magnetic Base

LED-621



6 powerful LED's of 3W each

Multiple Working Modes

High intensity, low intensity & SOS flashing

| | RUN TIME | LUMEN |
|----------------|------------|-------|
| HIGH INTENSITY | 3 hours | 1000 |
| LOW INTENSITY | 10.5 hours | 300 |
| SOS FLASHING | | |

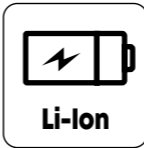
Weather Proof Construction

- a. IP 65 Rated
Protected against dust and effects of low pressure water jets from any direction
- b. Corrosion resistant aluminium die cast construction in premium powder coated finish
- c. Free standing heavy duty magnetic base
- d. Sturdy polycarbonate lens to withstand the toughest of job site conditions

Ideal For Portable Working

In maintenance, building, construction , mining jobs etc.

POWER SOURCE



3.7V 6600 mAh

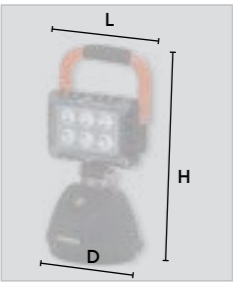
ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|----------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/621 | 55044 | 5-1/16 x 9-19/32 x 4 | 129 x 244 x 100 | 12 |

CREE
IP65



Finned design offers excellent heat dissipation



12

Worklight
270° Swivelling

LED-650



500



4 HRS
at lowest intensity



9 HRS



10M / 32'



60°

IP65

Powerful worklight for temporary lighting in construction & maintenance jobs

Dual Colour Output

- White
- Amber

Sturdy Construction

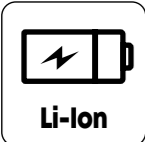
- a. IP 65 Rated
- Protected against dust and effects of low pressure water jet from any direction
- b. Corrosion resistant aluminium die cast housing in premium powder coated finish
- c. 270° pivoting head directs the light beam to the required direction
- d. Free standing base with magnet attaches conveniently to any metallic surface

Charging of Battery

Battery can be recharged using USB cable provided with the light.



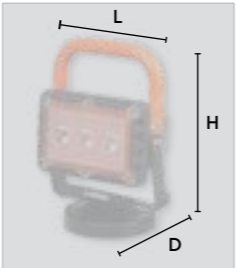
POWER SOURCE



3.7V 6600 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|-----------------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/650 | 55036 | 5-23/32 × 7-11/64 × 3-21/32 | 145 × 182 × 93 | 12 |




SCAN TO WATCH


13

Worklight
DC Powered


LED-630



900



10M / 32'



60°

IP67

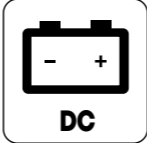
Powerful 15W light for use on off road vehicles, construction equipment, tractors, farm machinery etc.

5 powerful LED's of 3W each

Weather Proof Construction

- a. IP 67 Rated
- Protected against dust and effects of water immersion up to 1 meter
- b. Corrosion resistant aluminium die cast housing in premium powder coated finish
- c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
- d. Free standing base with magnet attaches conveniently to any metallic surface

POWER SOURCE



12V - 36V



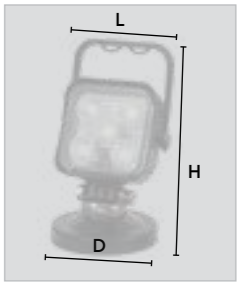
Cigarette plug adaptor



To focus light beam as needed

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/630 | 55034 | 3-17/32 × 12-3/8 × 3-27/64 | 90 × 314 × 87 | 12 |



**Twin-head light for endless applications;
both indoors and outdoors**

High Output

Twin-heads deliver high quality and uniform illumination

Heads can be used separately or both together for all-around illumination

Single push-button controlled output

Sturdy Construction

Impact-resistant nylon body with protective TPR corners

Nylon handle swivels full 360° for adjustment as needed

Handle also doubles up as a stand for convenient placement on a flat surface

Suitable for use in

Automotive, Industrial, Construction, Camping etc.

Available in two versions

a. LED/385

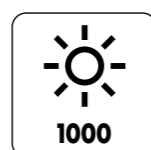
Runs on 4 × AA drycell batteries (included)

b. LED385RM

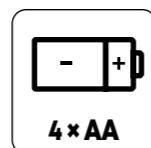
Runs on 3.7V 5000 mAh lithium polymer battery (included)



LED/385



POWER SOURCE



Multiple Working Modes

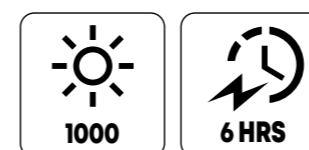
| | 1ST PRESS | 2ND PRESS | 3RD PRESS |
|----------|----------------|------------|------------|
| | BOTH LIGHTS ON | LIGHT 1 ON | LIGHT 2 ON |
| LUMEN | 1000 | 500 | 500 |
| RUN TIME | 3 hours | 4 hours | 4 hours |

ORDERING INFORMATION

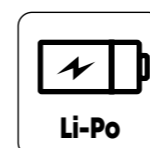
| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/385 | 55086 | 10 |



LED/385RM



POWER SOURCE



3.7V 5000 mAh

Multiple Working Modes

| | 1ST PRESS | 2ND PRESS | 3RD PRESS |
|----------|----------------|------------|------------|
| | BOTH LIGHTS ON | LIGHT 1 ON | LIGHT 2 ON |
| LUMEN | 1000 | 500 | 500 |
| RUN TIME | 3 hours | 6 hours | 6 hours |

ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|-----------|---------|----------|
| LED/385RM | 55087 | 10 |



5V 1A USB output port to charge mobiles



Hands free magnet on swivel handle can also be used to affix light on any metal surface

Swivel Handle



SCAN TO WATCH



Super slim worklight for tight, cluttered and difficult to reach workspaces

- Integrated
- a. 6W COB Worklight
 - b. 1W Top Torch

User controlled output

Adjust light intensity from 0-600 lumen by rotating knob

- Sturdy Construction
- a. IP 54 Rated
 - Protected against dust and effects of water spray from any direction
 - b. IK 07 Rated
 - Impact proof ABS body
 - a. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - b. Nylon hook with ratcheting mechanism can be rotated full 360° for convenient placement of light as required

- Swivel & tilt design
- Patented 360° swivel & tilt mechanism. Ball joint mechanism allows
- a. Swivelling of light full 360°
 - b. Tilt

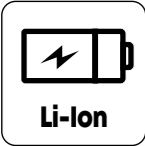
Hands Free Operation

Three rubber covered magnets at the rear end to affix light on any metallic surface leaving both hands free

Charging of Battery

Battery can be recharged using standard USB cable provided with the light

POWER SOURCE



3.7V 2600 mAh



| | WORKLIGHT | TOP TORCH |
|-----------|-----------|-----------|
| INTENSITY | 100% | |
| LUMEN | 600 | 120 |
| RUN TIME | 1.5 hours | 10 hours |

SWIVEL & TILT DESIGN



Patented 360° Swivel & tilt design with stainless steel joint

Rotating Hook with ratcheting mechanism

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/370 | 55042 | 15-11/32 × 1-37/64 × 1-3/8 | 390 × 40 × 35 | 15 |



SCAN TO WATCH

CE
RoHs
IP54
IK07

BRING
IN THE
LIGHT!



16

Worklight
360° Rotating Hook

LED-390



Multi-function, powerful worklight & top torch

Light Output
High quality output of 160 lumen by main light & focused illumination of 60 lumen by top torch

| | |
|-----------|----------------|
| 1ST PRESS | TOP TORCH ON |
| 2ND PRESS | WORKLIGHT ON |
| 3RD PRESS | ALL LIGHTS OFF |

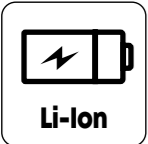
- Durable Construction**
- a. Impact proof & water resistant ABS body with rubber coating
 - b. 360° rotating hook to suspend light leaving both hands free
 - c. Integrated pocket/belt clip to conveniently store and carry light wherever you go
 - d. Swivelling magnetic stand swivels up to 180° to adjust to required angle

- Hands Free Operation**
- a. Swivelling stand with super strong magnets to position light on any metallic surface
 - b. Magnet on clip can also be used to affix light on any metal surface

Charge Time
3 hours. Indicated via LED display

Charging of Battery
Battery can be recharged using a standard USB cable provided with the light

POWER SOURCE



3.7V 1200 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|----------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/390 | 55059 | 6-7/64 x 1-37/64 x 1-11/64 | 155 x 40 x 30 | 50 |



Swivelling Magnetic Stand



SCAN TO WATCH

17

Worklight
360° Swivel

LED-360



Multi-function, powerful worklight & spotlight in one

Integrated

- a. 7 SMD Worklight
- b. 3W LED Top Torch

Light Output

| | LUMEN | RUN TIME | LUMEN | RUN TIME |
|-----------|--------------------------------------|----------|-------|----------|
| INTENSITY | HIGH | | LOW | |
| WORKLIGHT | 350 | 3 hours | 200 | 7 hours |
| TOP TORCH | 120 lumen with a run time of 8 hours | | | |

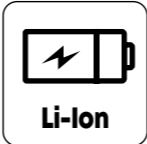
- Sturdy Construction**
- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
 - b. **IK 07 Rated**
Impact proof ABS body
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Nylon hooks with ratcheting mechanism can be rotated full 360° for convenient placement of light

- Swivel & tilt design**
Patented 360° swivel & tilt mechanism. Ball joint mechanism allows
- a. Swivelling of light full 360°
 - b. Tilt

Hands Free Operation
Three magnets; two on the rear of the light & one on the end, can be attached to any metallic surface leaving both hands free

Charging of Battery
Battery can be recharged using standard USB cable provided with the light

POWER SOURCE



3.7V 2200 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|-----------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/360 | 55037 | 10 x 2-9/32 x 1-57/64 | 254 x 58 x 48 | 12 |



Patented 360° swivel & tilt design with stainless steel ball joint



2 fold out 360° swivelling hooks for easy installation



SCAN TO WATCH



1000



5 HRS

at lowest intensity



5 HRS



50°

Integrated
a. 10W COB worklight
b. 2W SMD top torch

Light Output
High quality light output in multiple modes

| | LUMEN | RUN TIME | LUMEN | RUN TIME | LUMEN | RUN TIME |
|-----------|--------------------------------------|-----------|--------|-----------|-------|----------|
| INTENSITY | HIGH | | MEDIUM | | LOW | |
| WORKLIGHT | 1000 | 1.5 hours | 500 | 2.5 hours | 250 | 5 hours |
| TOP TORCH | 120 lumen with a run time of 8 hours | | | | | |

Sturdy Construction
a. IP 65 Rated
Protection against dust and effects of pressure jets from any direction
b. IK 07 Rated
Impact-proof with ABS body

Sturdy polycarbonate lens to withstand the toughest of jobs site conditions

Nylon hook with 360° rotating action for convenient placement of light

Swivelling Magnetic Base
The base can rotate upto 180° to adjust to the required angle

Strong magnet on the base makes it easy to mount onto any metallic surface for hands free use.

- Dual Battery Charging Options**
- Wireless charging using induction charging technology
 - Can also be charged using micro USB cable provided with the light

POWER SOURCE



3.7V 3350 mAh



CE
RoHs
IP65
IK07

BATTERY CHARGING OPTIONS



Wireless (Induction) Charging
Can be mounted on metallic surfaces or hung on the wall using nails or hooks



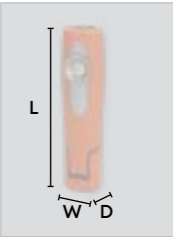
With Micro USB Cable
USB charging port with LED charge indicators



Swivelling Magnetic Base
The base can rotate upto 180° to adjust to the required angle

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxWxD) | | BOX QTY. |
|---------|---------|---------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/375 | 55085 | 9 x 2 x 1-5/8 | 230 x 59 x 41.5 | 12 |





Multi-function, powerful worklight & top torch

- Integrated
- a. 5W COB Mainlight
 - b. 3W LED Top Torch

Light Output

User controlled output. Adjust light intensity of worklight and top torch by pressing on the + (increase) or - (decrease) buttons

Built-in memory function starts the light at the same intensity as when it was switched off

- Durable Construction
- a. Impact proof & water resistant ABS body with rubber coating
 - b. 360° rotating hook to suspend light leaving both hands free
 - c. Integrated pocket/belt clip

- Hands Free Operation
- a. Swivelling stand with super strong magnets to position light on any metallic surface
 - b. Magnet on clip can also be used to affix light on any metal surface

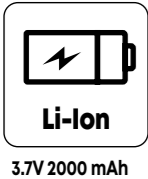
Charging of Battery

Battery can be recharged using standard USB cable provided with the light

Charge Your Mobile Device

USB output port for use as power bank

POWER SOURCE



Multiple Mode Output

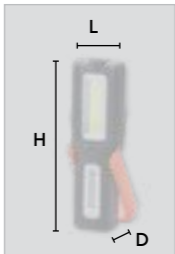
| | 1ST PRESS | 2ND PRESS |
|----------|-----------|-----------|
| | TOP TORCH | WORKLIGHT |
| LUMEN | 180 | 350 |
| RUN TIME | 4 hours | 3 hours |

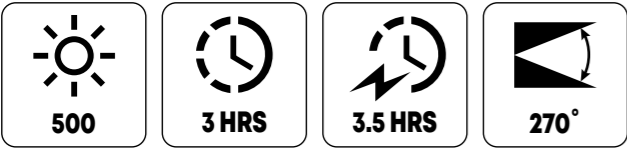


USB output port to charge mobile devices

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE | | BOX QTY. |
|---------|---------|--------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/395 | 55060 | 7-9/32 × 2-3/8 × 1-17/64 | 185 × 60 × 32 | 50 |





Multi-function, powerful worklight & top torch

- Integrated
- 10W COB Worklight
 - 3W LED Top Torch

Light Output

User controlled output. Adjust light intensity of worklight and top torch by pressing ON/OFF buttons continuously

| | | LUMEN | RUN TIME |
|-----------|----------------------|-------|-------------|
| 1ST PRESS | TOP TORCH | 150 | 3-3.5 hours |
| 2ND PRESS | WORKLIGHT | 500 | 2-3 hours |
| 3RD PRESS | CONTINUOUS RED LIGHT | | |
| 4TH PRESS | RED FLASHING | | |

- Durable Construction
- Impact proof & water resistant ABS body with rubber coating
 - Integrated pocket/belt clip

- Hands Free Operation
- Swivelling magnetic stand with magnet to position light on any metallic surface
 - Magnet on clip can also be used to affix light on any metal surface

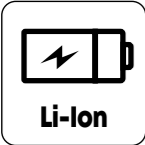
Charging of Battery

Battery can be recharged using a standard USB cable provided with the light

Charge Your Mobile Device

USB output port for use as power bank

POWER SOURCE



3.7V 2000 mAh



3W LED top torch

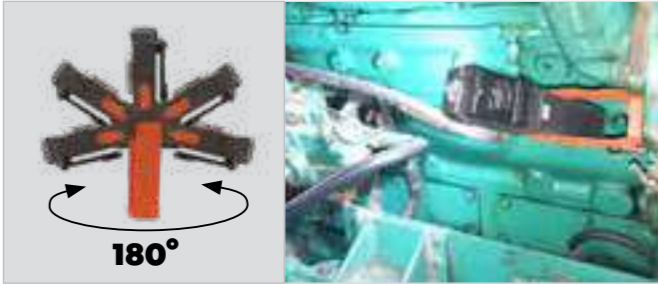
10W COB main light



Aluminium fins keeps light cool

Power button

LCD display to show battery percentage



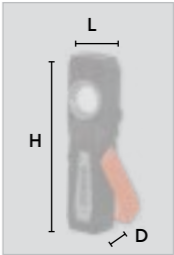
Swivelling Magnetic Stand: Swivel to adjust light to the required angle. Magnetic end to affix light on metallic surface for hands free use



USB output port to charge mobile devices

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE | | BOX QTY. |
|---------|---------|-----------------------------|-----------|----------|
| | | (INCH) | (MM) | |
| LED/396 | 55088 | 6-21/32 × 1-47/64 × 1-11/32 | 169×44×34 | 20 |





Multifunction, powerful worklight & UV spotlight in one.

- Integrated
- a. 10W COB Worklight
 - b. 3W UV light

Light Output

User controlled output: Adjust intensity of both worklight & spotlight by pressing on the increase (+) or decrease (-) button

Built-in memory function starts the light at the same intensity as when it was switched off

| | | LUMEN | RUN TIME |
|-----------|----------------------|-------|------------|
| 1ST PRESS | UV SPOT LIGHT | - | 4-5 hours |
| 2ND PRESS | WORKLIGHT | 550 | 3-15 hours |
| 3RD PRESS | CONTINUOUS RED LIGHT | | |
| 4TH PRESS | RED FLASHING | | |

- Sturdy Construction
- a. Impact proof ABS body with rubber coating
 - b. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - c. Nylon hook with 360° rotating action

- Swivel & tilt design
- Patented 360° swivel & tilt mechanism. Ball joint mechanism allows
- a. Swivelling of light full 360°
 - b. Tilt

Hands Free Operation

Strong magnet on the base to mount light onto any metallic surface for hands free use

- Type C fast charging
- Wireless charging via
- a. Direct charging of light
 - b. Docking station

Charge Your Phone

Rechargeable and removable battery pack also doubles up as a power bank



UV light for detecting engine oil leakage, gas leakage, crack in welding jobs in industrial, automotive, HVAC applications



Fully flexible 360° swivel & tilt design with unique ball joint



Charge Your Mobile Device
USB output port for use as power bank

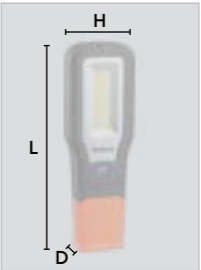
POWER SOURCE



3.7V 2000 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|----------|---------|-------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/376U | 55105 | 7-13/16 × 2-1/2 × 1-1/8 | 198 × 63 × 29 | 10 |





Multi-function, powerful worklight & top torch with a powerful speaker

- Integrated
- a. 10W COB Worklight
 - b. 3W LED Top Torch

Light Output

User controlled output by pressing the increase (+) or decrease (-) buttons

| | | LUMEN | RUN TIME |
|-----------|----------------------|-------|-----------|
| 1ST PRESS | TOP TORCH | 200 | 3 hours |
| 2ND PRESS | WORKLIGHT | 500 | 2.5 hours |
| 3RD PRESS | CONTINUOUS RED LIGHT | | |
| 4TH PRESS | RED FLASHING | | |

Powerful Bluetooth Speaker

Superior sound quality bluetooth speaker range upto 10 meter (32') for endless music at work

Press and hold the ON button for switching on the Bluetooth connect to "BT500" from your phone

Durable Construction

Impact proof & water resistant ABS body with rubber coating

Hands Free Operation

180° Swivelling stand with super strong magnets to position light on any metallic surface

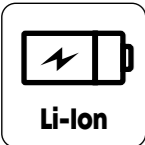
Charging of Battery

Type C fast charging with real time display of battery

Charge Your Mobile Device

USB output port for use as power bank

POWER SOURCE



3.7V 2400 mAh



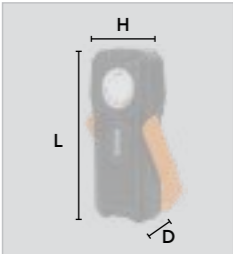
Swivelling Magnetic Stand: Base can swivel upto 180° to adjust to the required angle. Magnetic end helps affix the light for hands free use



To activate Bluetooth, press and hold the ON button for switching on the Bluetooth mode and connect to "BT500" from your phone



USB output port to charge mobile devices



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|---------------------------|-----------|----------|
| | | (INCH) | (MM) | |
| LED/397 | 55092 | 6-9/64 × 2-23/32 × 1-7/32 | 156×69×31 | 10 |



3 in 1 worklight with foldable design for difficult to reach & narrow workspaces

- Integrated**
- a. 4W COB Worklight
 - b. 2W SMD Spotlight
 - c. 0.5W SMD Top Torch with Magnetic pick-up

COB Worklight
Smart design ensures user controlled output. Adjust light intensity of worklight and spot light by pressing and holding the power button

Magnetic Top torch doubles as a pick-up tool to reach out into narrow holes & crevices

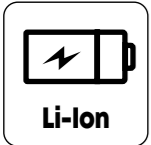
- Sturdy Construction**
- a. Aluminium body with ABS coating making it robust and impact proof
 - b. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - c. **Compact Folding Design**
Fold into a pocket-sized light

Hands Free Operation
Super strong magnet on base help affix the light on any metallic surface leaving both hands free

Unique Clamping Base
Unique spring loaded clamping base to mount on any work surface for hands free usage

Charging of Battery
Type-C fast charging protected by rubberized bezel. Comes complete with USB cable. Charge indicated via 4 LED's, each showing 25% charge

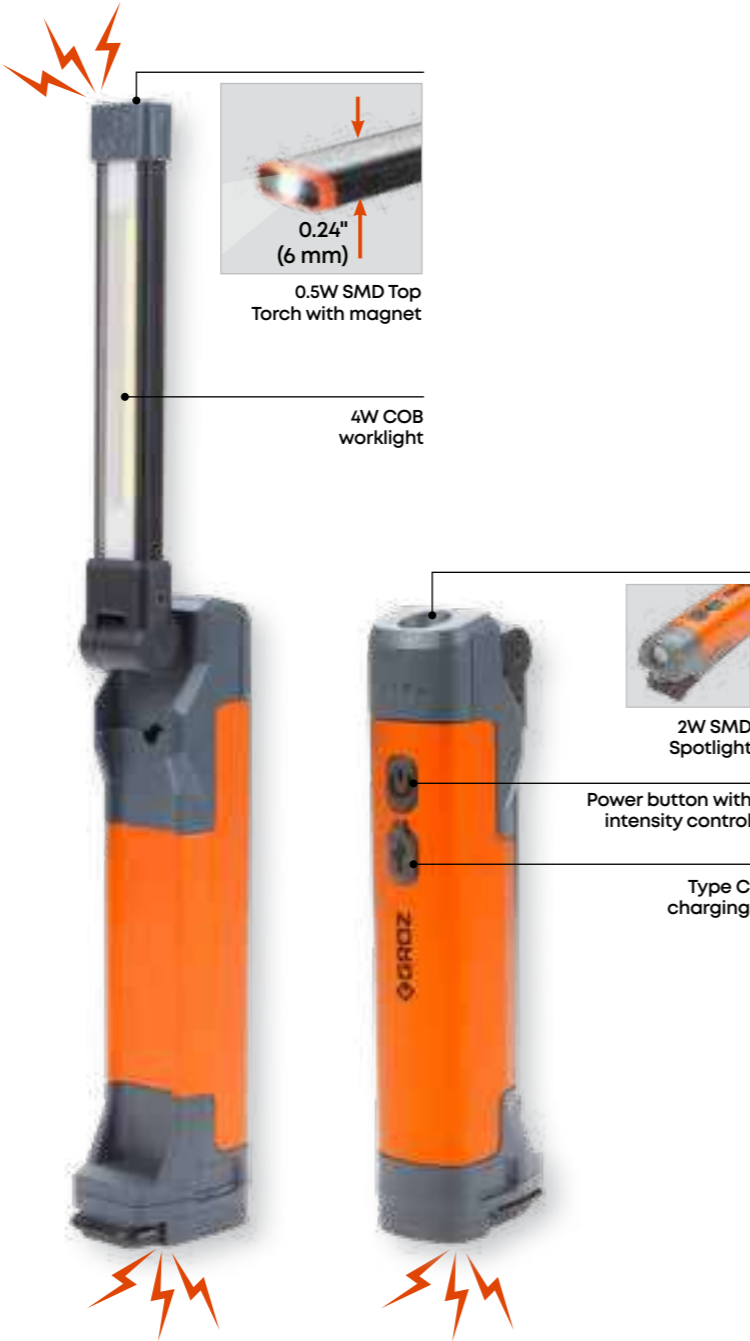
POWER SOURCE



3.7V 2600 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|--------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/185 | 55099 | 1-13/16 x 6-1/4 x 1-7/32 | 46 x 158 x 31 | 12 |

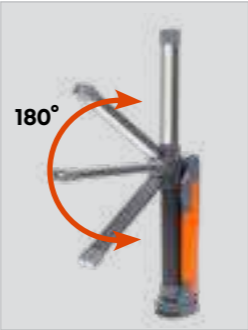


Multiple Mode Output

| | MODE 1 | | | MODE 2 |
|----------|-----------------------------|------------------------|------------------------|---------------------------|
| | 1ST PRESS MAIN WORKLIGHT | 2ND PRESS RED LIGHT | 3RD PRESS TOP TORCH | DOUBLE PRESS SPOTLIGHT |
| LUMEN | 400 | - | 50 | 150 |
| RUN TIME | 3-10 hours | 20 hours | 40 hours | 10 hours |



90° pivoting action



180° rotating main light folds back into a compact pocket size worklight



Unique spring loaded clamping base to mount on any work surface



Magnetic Top torch doubles as a pick-up tool



24

Inspection Light
Flexible

LED-186



1000



16 HRS
at lowest intensity



4 HRS

Integrated
Dual head worklight 5W COB on each side
use both together or separately as needed

User controlled output
Adjust light intensity from 50-500 lumens (on each light) by rotating knob

| | 1ST PRESS | 2ND PRESS | 3RD PRESS |
|----------|-----------------|----------------|-------------|
| | FRONT WORKLIGHT | BACK WORKLIGHT | BOTH LIGHTS |
| LUMEN | 500 | 500 | 1000 |
| RUN TIME | 2-16 hours | 2-16 hours | 1-8 hours |

- Sturdy Construction**
- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
 - b. **IK 07 Rated**
Impact proof ABS body
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Nylon hook with ratcheting mechanism can be rotated full 360° for convenient placement of light as required
 - e. Built-in magnet on top of the light to pickup small metallic parts

Direct light as needed
Heavy-duty flexible neck can be rotated & bent 360° horizontally & vertically

Hands Free Operation
Strong magnet on base for direct attachment on any metallic surface

Charging of Battery

- Type C fast charging protected by rubberized bezel.
- Charge indicated by 3 LED's, each showing 33% of battery

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------------|-------------------|----------|
| | | (INCH) | (MM) | |
| LED/186 | 55114 | 16-21/32 × 2-37/64 × 1-3/4 | 423 × 65.5 × 44.5 | 10 |




CE
RoHs
IP54
IK07

Dual head worklight 5W COB on each side

Intensity control knob

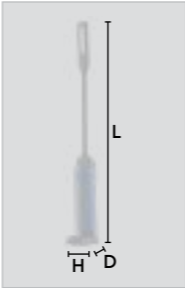
Hook

POWER SOURCE



Li-Ion

3.7V 2600 mAh



25

Inspection Lamp
Unbreakable

LED-345



650



11 HRS
at lowest intensity



6 HRS



120°

Light Output
Single button controlled variable output

| INTENSITY | HIGH | MEDIUM | LOW |
|-----------|---------|---------|----------|
| LUMEN | 650 | 400 | 200 |
| RUN TIME | 4 hours | 6 hours | 11 hours |

In-built overcharge/discharge control with automatic cut-off enhances battery life & performance

Construction

- Lightweight yet rugged aluminium tubing with TPR grip makes it impact resistant
- 2 ratcheting hooks with 360° swivel movement

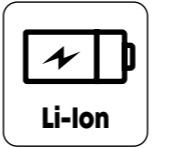
Hands free usage
Removable clamp with magnetic end to attach light to any metallic surface leaving both hands free

Charging of Battery
Battery can be recharged using standard USB cable provided with the light

Charging level indicators clearly marked

- a. **GREEN:** Full Charge
- b. **RED:** Charging in process

POWER SOURCE



Li-Ion

3.7V 4400 mAh

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|-----------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/345 | 55040 | 18 × 3-3/16 × 2-49/64 | 458 × 81 × 70 | 10 |



CE

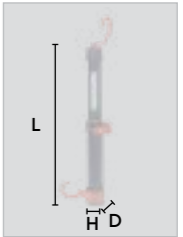
Rotating hook with ratchet movement adjusts To different angles

Aluminium tubing

Strong magnet attaches to most metal surfaces

Dia. 2" (50 mm)

Rotating hook with ratchet movement adjusts to different angles



26

Worklight
Jump Starter

LED-346



700



8 HRS
at lowest intensity



4 HRS



395 NM



500 A

CE

RoHs

IK07

A must have for every car owner!

Light Output
Powerful multiple output with bright and balanced illumination.

| | 1ST PRESS | 2ND PRESS | 3RD PRESS |
|----------|-----------|---------------|----------------|
| | UV MODE | LOW INTENSITY | HIGH INTENSITY |
| LUMEN | - | 350 | 700 |
| RUN TIME | 13.5 hrs | 8 hrs | 4 hrs |

- Integrated with**
- 7W COB Work light
 - 1W UV Light (395 nm)

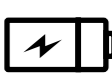
UV light popularly used to detect engine oil leakage, cracks, AC gas leakage etc.

- Robust Construction**
- a. **IK07 Rated**
Robust ABS body makes the light usable even in rugged condition
- b. Smart Clamp with alligator cables provided with each light comes with overcharge, over current, short circuit, reverse polarity, over temperature and spark free protection
- c. Strong magnetic base with hook at top and bottom for ease of use

2 USB output ports can be used to charge 2 devices simultaneously.

Type C fast charging protected by rubberized bezel

POWER SOURCE

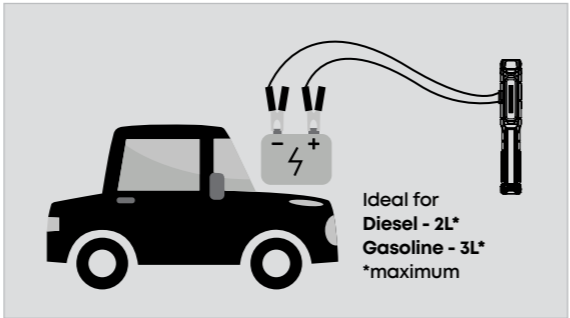


Li-Ion

11.1V 2600 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/346 | 55112 | 13-5/64 × 2-11/64 × 2-3/32 | 332 × 55 × 53 | 20 |



Can jump start vehicles upto 15 times on a full charge
Jump starts cars upto 3L Gasoline & 2L Diesel engines

27

Underhood Light
Magnetic Ends

LED-355



1000



5 HRS
at lowest intensity



4.5 HRS



120°

CE

RoHs

IK07

Slim & compact 10W COB underhood light, shines brighter & lasts longer

Light Output
Single button, user controlled light output

| | 1ST PRESS | 2ND PRESS |
|----------|-----------|-----------|
| | HIGH | LOW |
| LUMEN | 1000 | 400 |
| RUN TIME | 2 hrs | 5 hrs |

- Sturdy Construction**
- a. **IK07 Rated**
Impact resistant ABS body built to withstand the toughest environments
- b. 360° swivelling hooks resist wear and provide a scratch-proof grip
- c. Sturdy polycarbonate lens withstands tough jobsite conditions
- d. Light can be rotated easily to direct beam on the job, as required

Hands Free Operation
Strong magnets on both ends for easy attachment on any metallic surface leaving both hands free.

- Charging of Battery**
- Type-C fast charging protected by rubberized bezel.
 - Charge indicated via 4 LED's, each showing 25% charge

POWER SOURCE



Li-Ion

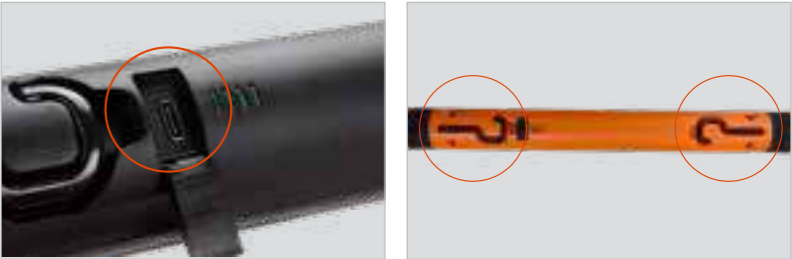
7.4V 2600 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|------------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/355 | 55113 | 19-11/16 × 1-31/32 × 1-39/64 | 500 × 50 × 41 | 10 |

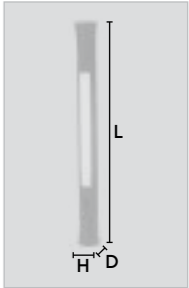


Hands free: Strong magnets on both ends attach onto metallic surfaces leaving both hands free



Type C Charging Port

360° Swivelling Hooks



28

Underhood Light
Expandable

LED-351



1000



7 HRS
at lowest intensity



4.5 HRS



48M / 157'



60°

CE
RoHs



Super bright under-hood light for powerful illumination of the entire engine bay. Shines brighter, grips stronger & outlasts most other lights!

15W COB Under-hood Light
3 powerful COB lamps of 5W each

Light Output
Single button, user controlled light output

| INTENSITY | HIGH | MEDIUM | LOW |
|-------------------|---------|---------|---------|
| NR. OF LAMPS USED | 3 | 2 | 1 |
| LUMEN | 1000 | 700 | 350 |
| RUN TIME | 3 hours | 5 hours | 7 hours |

- Sturdy Construction**
- a. Aluminium extruded body with ABS coating
 - b. Soft padded aluminium hooks resist wear and provide scratch proof grip. Large gripping surface provides larger contact for better positioning when mounting the light under-hood, undercarriage or elsewhere
 - c. 3 light bulbs with sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Fully adjustable bulbs can be rotated 40° to provide optimum light angle to the job

Expandable Length
1.2m -1.76m (47"-69")
This covers wide cars & trucks, making it a perfect choice for mechanics working in automotive shops or fleet maintenance

Charging of Battery
Battery can be recharged using in-built USB charging port

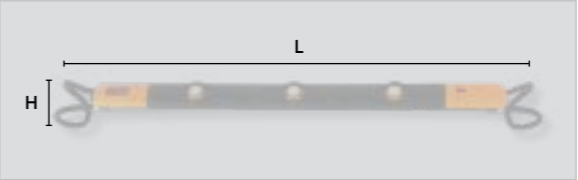
Complete with 5' long cable for uninterrupted charging even when light is in use & AC power adaptor



USB charging port with LED charge indicators



Light bulbs pivot independently to direct light as needed



| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/351 | 55084 | 47 × 3 × 2-3/8 | 1210 × 75 × 60 | 1 |

POWER SOURCE



Li-Ion

3.7V 5200 mAh





29

Flashlight
Slim Pocket Size

LED-140



150



4 HRS



180°

CE
RoHs

Handy pocket flashlight

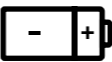
Durable Construction

- a. Impact proof & water resistant ABS body in matte black finish
- b. Integrated pocket clip

Hands Free Operation

Magnet on clip can also be used to affix light on any metal surface

POWER SOURCE



3 x AAA



3W COB
LED



Built-in
magnetic
pocket clip

HANDS FREE USE



Can be hooked onto a pocket or belt for easy mobility & hands free use



Magnetic clip to attach light to any metallic surface for hands free usage

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|--------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/140 | 55039 | 4-11/32 x 1-3/16 x 23/32 | 110 x 55 x 21 | 24 |

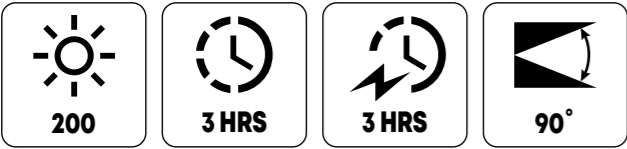


FLASHLIGHTS

30

Flashlight
Rechargeable

LED-150



Featuring COB technology, the flashlight delivers high output with uniform and even illumination

Durable Construction

- a. Impact proof and water resistant ABS body with rubber coating
- b. 360° rotating hook to position light in any direction
- c. Integrated pocket/belt clip to conveniently store and carry the light
- d. Swivelling magnetic stand with strong magnet to position at any angle on a metallic surface

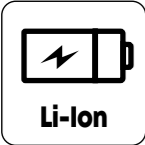
Charge your Mobile Devices

Output port for use as power bank

Charging of Battery

Battery can be recharged using a standard USB cable provided with the light

POWER SOURCE



3.7V 1800 mAh



Power Bank
5V 1 Amp USB output port for use as power bank

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|-------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/150 | 55049 | 2-3/8 × 1-3/8 × 4-27/32 | 60 × 35 × 123 | 20 |

31

Flashlight
High Power

LED-190



Pocket sized, rechargeable high quality flashlight for the professional user

Multiple mode output

| | |
|---------|-------------------------------------------------------|
| PRESS 1 | Switch ON |
| PRESS 2 | Press & hold to increase intensity from 50-500 lumens |

Built-in memory function

Starts light at the same intensity as when it was switched off

Robust Construction

- a. Corrosion resistant aluminium alloy construction
- b. Pocket clip for convenient and safe portability
- c. Integrated hook for hanging light

Hands Free Use

Magnetic base makes it easy to mount light on any metallic surface leaving both hands free

Charging of Battery

Battery can be recharged using a standard USB cable provided with the light

POWER SOURCE



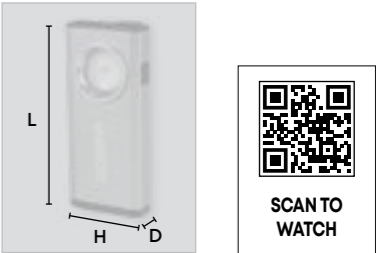
3.7V 1800 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/190 | 55081 | 4-3/16 × 1-25/32 × 1-15/32 | 106 × 48 × 36.5 | 48 |



Pocket clip with integrated hook USB charging port



32

Penlight

LED-335



Super bright, dual function portable worklight & top torch

- Integrated
- a. 3W COB Worklight
 - b. 1W LED Top Torch

Light Output

High quality output in different modes

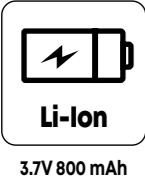
| | MAIN LIGHT | | TOP TORCH | |
|----------------|------------|----------|-----------|----------|
| | LUMEN | RUN TIME | LUMEN | RUN TIME |
| FULL INTENSITY | 180 | 3 hours | 65 | 2 hours |

- Light Weight & Durable Construction
- a. Impact proof & water resistant ABS body with rubber coating
 - b. Integrated Pocket Clip

Hands Free Use

Magnet on clip can be used to affix light on any metal surface

POWER SOURCE



85° Adjustable Pocket Clip with magnet to hook onto any magnetic surface

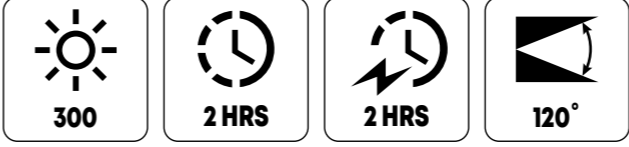
ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|--------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/335 | 55057 | 7-9/32 × 1-25/64 × 13/16 | 185 × 35 × 20 | 50 |

33

Penlight
High Power

LED-336



Super bright, dual function portable Worklight & Top Torch

Light Output

| | 1ST PRESS | | 2ND PRESS | |
|----------------|-----------|----------|-----------|----------|
| | TOP TORCH | | WORKLIGHT | |
| | LUMEN | RUN TIME | LUMEN | RUN TIME |
| FULL INTENSITY | 180 | 6 hours | 300 | 2 hours |

Light can be adjusted from 30-300 lumens. Press & hold the power button to adjust intensity. SOS Flashing indicates maximum intensity

- Light weight & durable construction
- a. IK07 Rated
 - Aluminium body with ABS Coating
 - b. Sturdy polycarbonate lens withstands the toughest of job site conditions
 - c. Integrated pocket clip: Can be hooked onto a pocket /belt for easy mobility & hands free operation.
 - d. Magnet on base can be used to affix light on any metallic surface

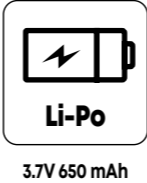
Built-in memory function:

Starts light at the same intensity as when it was switched off

Charging of Battery

Battery can be recharged using a standard USB cable provided with the light

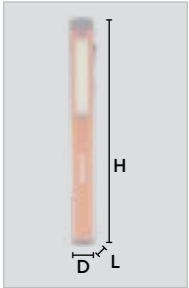
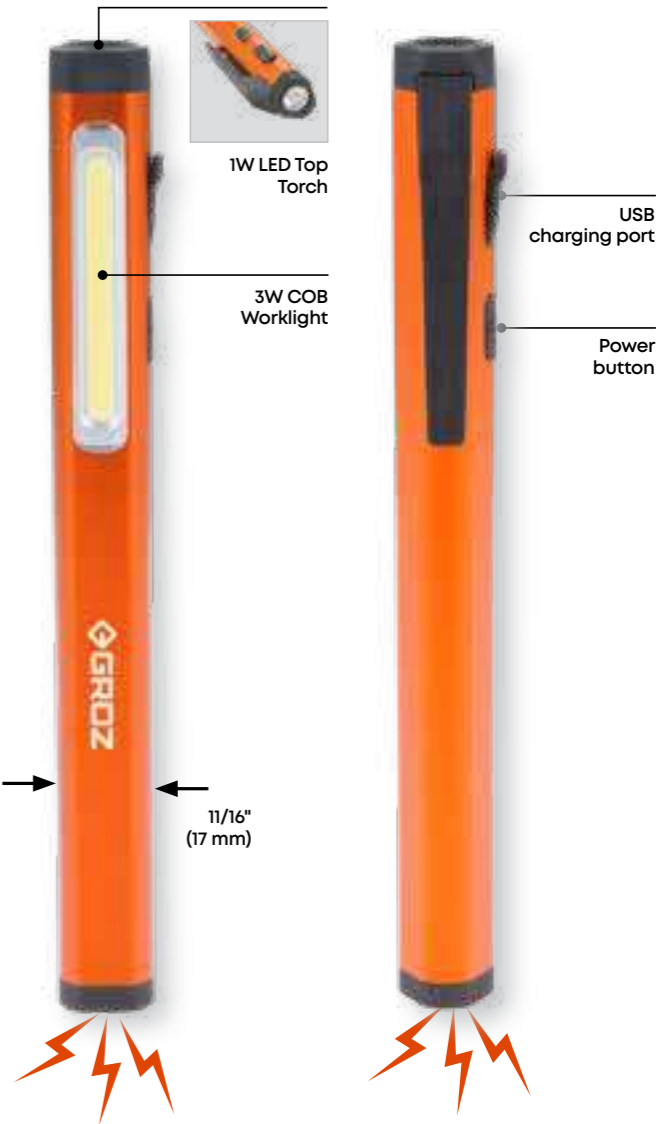
POWER SOURCE

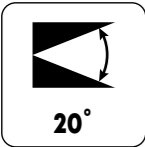


USB Charging

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|-------------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/336 | 55094 | 29/32 × 6-49/64 × 45/64 | 23 × 172 × 18 | 36 |





Slim pen light designed for the professional user

Light Output
Multiple modes with just the press of a button

Robust Construction

- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
- b. Robust aluminium body with military grade anodised coating for enhanced durability
- c. Non-slip knurled grip
- d. Integrated pocket clip for easy and safe portability

Unique L-Head Design

Head can be turned 90° giving the user freedom to direct light beam as required

Hands Free Operation

Super strong magnet at the rear end can be affixed onto any metallic surface leaving both hands free

Available in two versions

- a. **LED-160**
Runs on 2 x AAA drycell batteries
- b. **LED-165R**
Runs on rechargeable lithium-ion battery
Type C fast recharge



LED-160

150

8 HRS
at lowest intensity

50M / 164'

POWER SOURCE

2 x AAA

(not included)

Multiple Mode Output

| | 1ST PRESS | 2ND PRESS | 3RD PRESS & HOLD | 4TH PRESS |
|----------|----------------|---------------|------------------|--------------|
| | HIGH INTENSITY | LOW INTENSITY | QUICK FLASHING | SOS FLASHING |
| LUMEN | 150 | 60 | | |
| RUN TIME | 2.5 hours | 8 hours | | |

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|-------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/160 | 55073 | 6 x 19/32 x 45/64 | 152 x 15 x 17.5 | 36 |

NEW!

LED-165R

250

3.5 HRS
at lowest intensity

63M / 206'

POWER SOURCE

Li-Ion

3.7V 600 mAh
(Included)

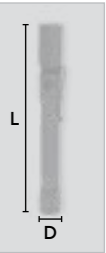
Multiple Mode Output

| | 1ST PRESS | 2ND PRESS | 3RD PRESS & HOLD | 4TH PRESS |
|----------|----------------|---------------|------------------|--------------|
| | HIGH INTENSITY | LOW INTENSITY | QUICK FLASHING | SOS FLASHING |
| LUMEN | 250 | 90 | | |
| RUN TIME | 1.5 hours | 3.5 hours | | |

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|----------|---------|-------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/165R | 55120 | 6 x 19/32 x 45/64 | 152 x 15 x 17.5 | 36 |

CE
RoHS
IP54
IK07





Heavy duty multi-mode flashlight, laser light & UV pointer all in one

Light Output
Multiple mode output with just the press of a button

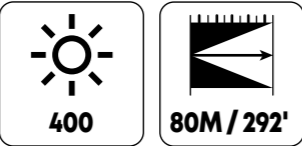
- Robust Construction**
- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
 - b. **IK07 Rated**
Robust aluminium body with military grade anodised coating for enhanced durability
 - c. Non-slip knurled grip
 - d. Integrated pocket clip for easy and safe portability

Unique L-Head Design
Head can be turned 90° giving the user freedom to direct light beam as required

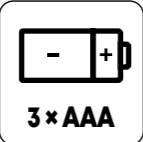
Hands Free Operation
Super strong magnet at the rear end can be affixed onto any metallic surface leaving both hands free

- Available in two versions**
- a. **LED-170**
Runs on 3 × AAA drycell batteries
 - b. **LED-170R**
Runs on rechargeable 3.7V 2600mAh lithium-ion battery Type C fast recharge

LED-170



POWER SOURCE



(not included)

Multiple Mode Output

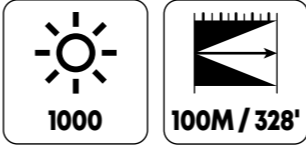
| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS & HOLD | 5TH PRESS | 6TH PRESS |
|----------|---------------|------------------|----------------|------------------|------------------------------|----------------|
| | LOW INTENSITY | MEDIUM INTENSITY | HIGH INTENSITY | LASER LIGHT | LASER LIGHT & HIGH INTENSITY | UV LIGHT 395nm |
| LUMEN | 30 | 100 | 400 | - | 400 | - |
| RUN TIME | 20 hours | 7 hours | 3 hours | - | 3 hours | - |

ORDERING INFORMATION

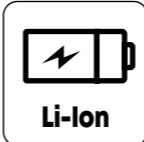
| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY |
|---------|---------|---------------------------|---------------|---------|
| | | (INCH) | (MM) | |
| LED/170 | 55074 | 5-7/8 × 1-29/64 × 1-11/64 | 149 × 37 × 30 | 36 |



LED-170R



POWER SOURCE



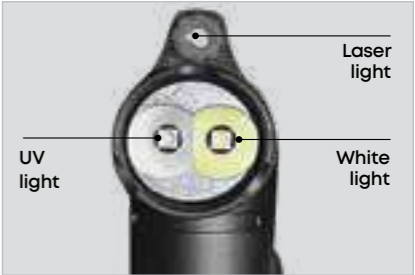
3.6V 2600 mAh

Multiple Mode Output

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS & HOLD | 5TH PRESS | 6TH PRESS |
|----------|----------------|------------------|---------------|------------------|-------------|------------------------------|
| | HIGH INTENSITY | MEDIUM INTENSITY | LOW INTENSITY | UV LIGHT 395nm | LASER LIGHT | LASER LIGHT & HIGH INTENSITY |
| LUMEN | 1000 | 500 | 200 | - | - | 1000 |
| RUN TIME | 2 hours | 2.5 hours | 12 hours | - | - | 2 hours |

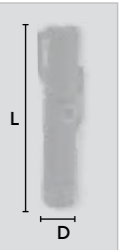
ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY |
|----------|---------|---------------------------|---------------|---------|
| | | (INCH) | (MM) | |
| LED/170R | 55080 | 5-7/8 × 1-29/64 × 1-11/64 | 149 × 37 × 30 | 36 |



Multiple mode output with just the press of a button

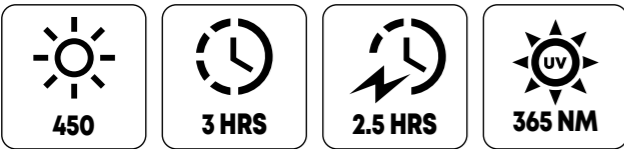
CE
RoHS
IP54
IK07



36

Pen Light
UV and Laser

LED-175



CE
RoHs

Power Packed Pen Light

- Integrated**
- a. 5W COB mainlight
 - b. 3W LED spotlight
 - c. UV light (365nm)
 - d. Laser Pointer

Light Output
User controlled output. Adjust light intensity of spotlight, mainlight & UV light by pressing & holding power button. Double press the laser ON/OFF button to activate the laser beam

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH DOUBLE PRESS |
|----------|-----------|-----------|-----------|------------------|
| | SPOTLIGHT | MAINLIGHT | UV LIGHT | LASER LIGHT |
| LUMEN | 140 | 450 | - | - |
| RUN TIME | 3 hours | 2.5 hours | | - |

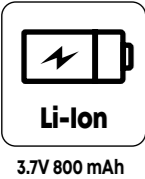
Durable Construction

- a. Aluminum body with military grade anodised coating for enhanced durability.
- b. Integrated Pocket Clip djustable 120° for directing light in desired direction.
- c. Magnet on clip can be used to affix light on any metallic surface

Built-in memory function
Starts light at the same intensity as when it was switched off

Charging of Battery
Battery can be recharged using a standard Type C cable provided with the light

POWER SOURCE



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|-----------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/175 | 55103 | 6-1/2 x 29/32 x 29/32 | 165 x 23 x 23 | 20 |



UV light for crack detection in industrial, automotive, HVAC applications & inspection purposes



Can be attached onto any metallic surface leaving both hands free



37

Spotlight
Waterproof

LED-402



CREE
CE
RoHs
IP67

7W LED handheld spotlight & worklight
7W CREE® LED, Xm-L2

Light Output
High quality, super-bright, focussed, user controlled multiple mode output

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS & HOLD |
|----------|----------------|---------------|--------------|------------------|
| TYPE | HIGH INTENSITY | LOW INTENSITY | SOS FLASHING | RED FLASHING |
| LUMEN | 700 | 350 | ●●●●●●●● | ●●●●●●●● |
| RUN TIME | 2 hours | 4.5 hours | | |

- a. **IP 67 Rated**
Protected against dust & effects of water immersion upto 1 metre
- b. **Designed to float**
- c. Shock proof & lightweight ABS body, rubber head & ergonomic TPR grip
- d. Shock-proof polycarbonate lens
- e. Waterproof trigger to control light modes
- f. Integrated fold out stand converts hand-held spot light into a worklight
- g. Lanyard with SOS whistle

Charging of Battery
Dual charging via

- a. AC supply
Charge Time: 4-5 hours
- b. Cigarette Charger
Charge Time: 3-4 hours

POWER SOURCE



ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/402 | 55083 | 100 |



Floats in water



Integrated fold out stand converts hand held spotlight into a worklight



38

Pick-Up Light
Telescopic

LED-131

LED-132



Dual Purpose Light

High quality 0.5W flashlight with magnetic telescopic pick up

Light Output

Focussed light beam of 30 lumen helps reach out in dark areas

Robust Construction

- a. Durable aluminium body
- b. Flexible telescopic design to reach out into narrow holes & crevices
- c. Magnet at the front end to pick up small metallic parts
- d. Adjustable focus to direct light beam as per need
- e. Integrated pocket clip

Hands Free Use

Magnet at the rear end of light can be affixed onto any metallic surface leaving both hands free

Available in two versions

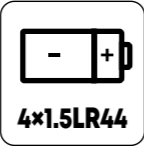
- a. **LED-131**
Runs on 4 x 1.5LR44 drycell batteries (included)
- b. **LED-132R**
Runs on 3.7V 450 mAh rechargeable lithium-ion battery

ORDERING INFORMATION

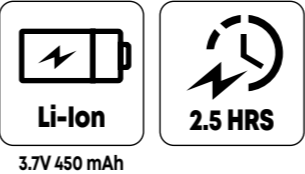
| CAT NR. | ORD NR. | BOX QTY. |
|----------|---------|----------|
| LED/131 | 55053 | 100 |
| LED/132R | 55079 | 100 |



LED-131



LED-132



USB Charging: Simply connect the light to wall charger, laptop etc. for convenient charging



39

Rechargeable Headlamp
5W LED

LED-245



500



18 HRS
at lowest intensity



4 HRS


High quality aluminium alloy head lamp with excellent water resistance

Innovative Design

Light can be separated from head band & used as a flashlight

Light Output

Powerful multiple output with bright and balanced illumination

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS & HOLD | 5TH PRESS |
|----------|---------------|------------------|----------------|------------------|-------------------------------------------------------------------------------------|
| | LOW INTENSITY | MEDIUM INTENSITY | HIGH INTENSITY | QUICK FLASHING | SOS FLASHING |
| LUMEN | 20 | 150 | 500 | - |  |
| RUN TIME | 18 hours | 5 hours | 2 hours | - | - |

Robust Construction

- a. **IP 54 Rated**
Protected against dust and effects of water spray from any direction
- b. Robust aluminum alloy body with anodized coating. Non-slip knurled grip. Integrated pocket clip for easy and safe portability
- c. Black woven high quality, anti-skid head band with soft built-in protection to avoid imprint on forehead

Unique L-Head Design

Head can be turned 90° giving the user freedom to direct light beam as required

Hands Free Operation

Super strong magnet at the rear end of the light latches onto any metallic surface, leaving both hands free

DUAL POWER SOURCE



Li-Ion

3.7V 900 mAh



1 x AA

(Not Included)

ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/245 | 55109 | 36 |

NEW!

CE
RoHs
IP54
IK07



Detachable Design
Simply pull out the light from the head band, to use as a flashlight



Li-ion Battery with in-built micro USB port

HEADLAMPS

40

Headlamp
Rechargeable With Hand Sensor

LED-220



150



12 HRS
at lowest intensity



4 HRS



15M / 50'



120°



Powerful 3W COB head lamp

User controlled multiple modes

| | NORMAL MODE | | | SENSOR MODE |
|----------|----------------|---------------|-----------------------------------------------------------------------------------------------------|----------------|
| | 1ST PRESS | 2ND PRESS | 3RD PRESS | PRESS & HOLD |
| | High Intensity | Low Intensity | Quick Flashing | High Intensity |
| LUMEN | 150 | 35 | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | |
| RUN TIME | 4 hours | 12 hours | 4 hours | |

Innovative & Unique Design

- a. Detachable Design: Light can be separated from head band and used as a worklight
- b. In-built sensor function with hands free ON/OFF. Wave to activate/deactivate light

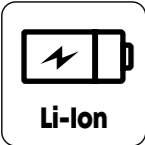
Ergonomic Construction

- a. Impact proof ABS
- b. Black woven head band with built-in protection pad
- c. Light attached to head band with a strong & powerful magnet
- d. Light can be easily rotated to focus at required angle

Charging of Battery

Battery can be recharged using a standard USB cable provided with the light

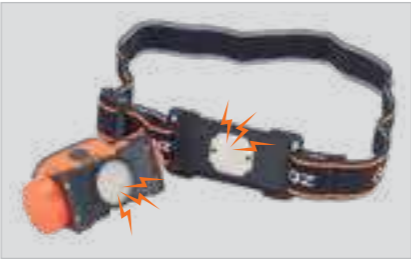
POWER SOURCE



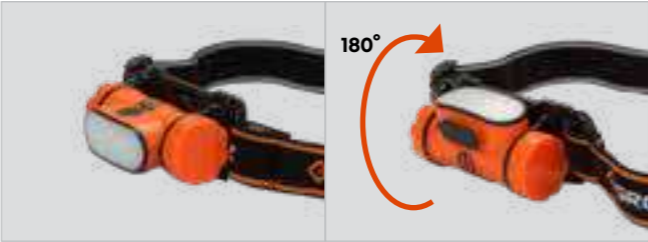
3.7V 2200 mAh

ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/220 | 55052 | 24 |



Detachable Design
The light is attached to the head band with the help of a magnet



Rotate light to focus at required angle



SCAN TO WATCH

41

Headlamp
Dual Mode & Hand Sensor

LED-225



500



10 HRS
at lowest intensity



3 HRS



120°



Integrated

- 3W COB Floodlight
- 4W LED Spotlight

User controlled multiple mode

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS |
|----------|----------------|---------------|----------------|---------------------|
| | LED SPOTLIGHT | | COB FLOODLIGHT | LED+COB COMBINATION |
| | HIGH INTENSITY | LOW INTENSITY | HIGH INTENSITY | HIGH INTENSITY |
| LUMEN | 400 | 120 | 200 | 500 |
| RUN TIME | 2 hours | 10 hours | 4 hours | 1.2 hours |

Innovative & Unique Design

- Detachable Design: Light can be separated from head band and used as a Worklight
- Smart design ensures user controlled output. Adjust light intensity in all modes by simple press and hold of the power button

Sturdy Construction

- a. Impact proof ABS
- b. Black woven head band with built-in protection pad
- c. Light attached to head band with a strong & powerful magnet

Dual Power Source

Never run out of power - Use with the inbuilt rechargeable battery or insert dry cell batteries to keep the light on.

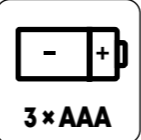
Charging of Battery

Charge light directly or just the lithium power batteries separately

POWER SOURCE



3.7V 1000 mAh
(Included)



(Not Included)

ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/225 | 55101 | 25 |



Detachable Design
The light is attached to the head band with the help of a magnet



Rotate light to focus as required



SCAN TO WATCH

42

Headlamp
Dual Mode

LED-230



Dual output headlamp with spot light & floodlight in one

Ideal for professional use

- Integrated
- 3W COB circumference floodlight
 - 1 LED focussed central light

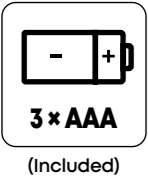
Light Output

Outstandingly bright COB light for highly bright & uniform output

| | 1ST PRESS | 2ND PRESS | 3RD PRESS |
|----------|-----------|-----------|----------------|
| | LED Light | COB Light | Quick Flashing |
| LUMEN | 70 | 160 | |
| RUN TIME | 9 hours | 3 hours | |

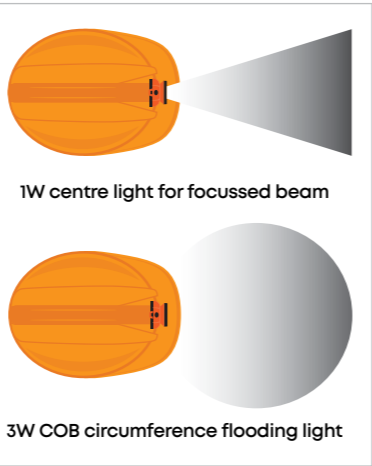
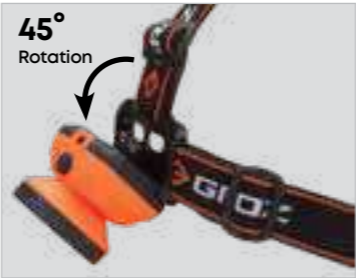
- Sturdy Construction
- Adjustable head band with built-in protection pad to avoid imprint of forehead
 - Impact proof ABS
 - Light adjustable up to 45° to direct light beam as per need

POWER SOURCE



ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/230 | 55055 | 40 |



43

Headlamp
Strip Light With Hand Sensor

LED-250



Up your visibility game!

Engineered for versatility, this multi-mode headlamp lights up all directions over long distances

- Integrated:
- 5W COB wide angle Floodlight
 - 3W LED Spotlight

Light Output

Front COB LED panel for ultra-view flood beam giving 230° coverage and side spotlight for lighting up distances upto 45m/150'.

Single button controlled output in multiple modes

| | 1ST PRESS | 2ND PRESS | 3RD PRESS | 4TH PRESS & HOLD | PRESS & HOLD |
|----------|--------------------|-------------------|--------------------|-------------------|----------------|
| | COB LIGHT | | SPOTLIGHT | | |
| | HIGH INTENSITY COB | LOW INTENSITY COB | HIGH INTENSITY LED | LOW INTENSITY LED | QUICK FLASHING |
| LUMEN | 350 | 150 | 150 | 60 | - |
| RUN TIME | 2.5 hours | 5 hours | 4 hours | 7 hours | 1.5 hours |

Sensor Function

In-built sensor function for hands free ON/OFF of light. Wave to activate/deactivate light. Sensor can be activated in all modes

Durable Construction

Impact resistant construction: withstands falls upto 2m (6.5'). Highly Durable and stretchable headband.

Charging of battery

Type-C fast charging, protected by a rubber bezel.

ORDERING INFORMATION

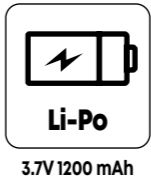
| CAT NR. | ORD NR. | BOX QTY. |
|---------|---------|----------|
| LED/250 | 55110 | 40 |



Hands Free Sensor: Wave to activate/deactivate light



POWER SOURCE



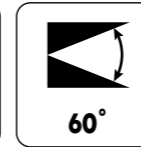
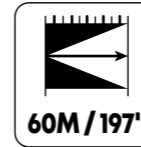
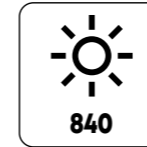
3.7V 1200 mAh

44

Floodlight

12W

LED-505



12W LED Floodlight

4 Powerful LED's of 3W each

Light Output

High quality output of 840 lumen with a spread of 60° over a distance up to 60 meter

Weather Proof Construction

a. IP67 Rated

- Protected against dust and effects of water immersion up to 1 meter
- b. Corrosion resistant aluminium die cast construction in premium powder coated finish
- c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
- d. Corrosion resistant stainless steel bracket

Complete with 8" (200 mm) DC power cord

Ideal for Outdoor Use

Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

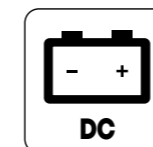
CREE

CE

RoHS
IP67



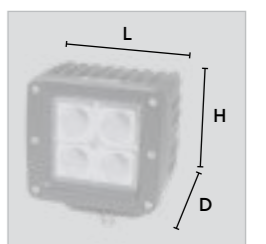
POWER SOURCE



10V - 30V

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|---------------------|--------------|----------|
| | | (INCH) | (MM) | |
| LED/505 | 55064 | 3-5/32 x 3 x 3-7/32 | 80 x 75 x 82 | 20 |



FLOODLIGHTS

45

Floodlight
15W

LED-501
LED-502



15W LED Floodlight
5 powerful LED's of 3W each

Light Output
High quality output of 900 lumen with a powerful flood spread of 60° over a distance up to 10 meter

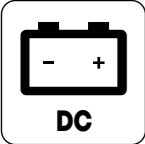
- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium
 - c. die-cast construction in premium powder coated finish
 - d. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - e. Corrosion resistant stainless steel bracket

Complete with 20" (500mm) DC power cord

Available as a single piece or set of two

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE



10V - 30V



ORDERING INFORMATION

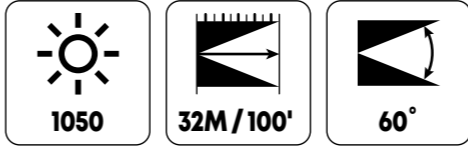
| CAT NR. | ORD NR. | DESCRIPTION | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|--------------|---------------------------|--------------|----------|
| | | | (INCH) | (MM) | |
| LED/501 | 55016 | Single Piece | 3-11/32 × 3-11/32 × 1-3/8 | 85 × 85 × 35 | 27 |
| LED/502 | 55026 | Set of Two | 3-11/32 × 3-11/32 × 1-3/8 | 85 × 85 × 35 | 13 |



46

Floodlight
15W Compact

LED-501S



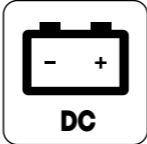
15W LED Floodlight
5 powerful LED's of 3W each

Light Output
High quality output of 1050 lumen with a powerful flood spread

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium die-cast construction in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Corrosion resistant stainless steel bracket

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE

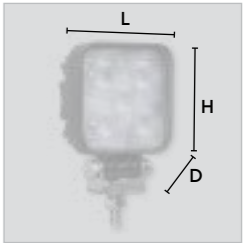


10V - 30V



ORDERING INFORMATION

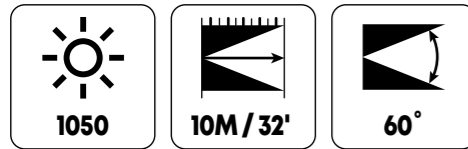
| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|----------|---------|---------------------------|--------------|----------|
| | | (INCH) | (MM) | |
| LED/501S | 55111 | 2-29/32 × 2-29/32 × 1-3/8 | 74 × 74 × 35 | 27 |



47

Floodlight 15W Supercool

LED-520



15W LED Floodlight

5 powerful LED's of 3W each

Light Output

Super cool light offers high quality output of 1050 lumen with a powerful flood spread of 60° over a distance up to 10 meter

Weather Proof Construction

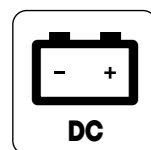
- IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
- Corrosion resistant aluminium die-cast construction in premium powder coated finish
- Sturdy polycarbonate lens to withstand the toughest of job site conditions
- Tight rubber sealing prevents ingress of dust and moisture
- Corrosion resistant stainless steel bracket

Complete with 20" (500mm) DC power cord

Ideal for Outdoor Use

Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE



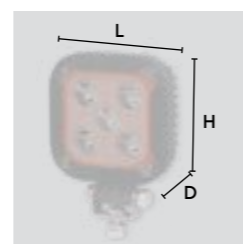
12V - 60V

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|---------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/520 | 55027 | 4 × 4-13/16 × 1-7/8 | 101 × 122 × 48 | 12 |



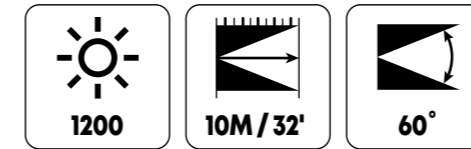
IP67



48

Floodlight 18W Supercool

LED-530



The most versatile floodlight for any application

18W LED Floodlight

6 powerful LED's of 3W each

Light Output

Super cool light offers high quality output of 1200 lumen with a powerful flood spread of 60° over a distance up to 10 meter

Weather Proof Construction

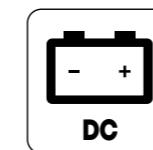
- IP67 Rated**
Protected against dust and effects of water immersion up to 1 meter
- Corrosion resistant aluminium die-cast construction in premium powder coated finish
- Sturdy polycarbonate lens to withstand the toughest of job site conditions
- Tight rubber sealing prevents ingress of dust and moisture
- Corrosion resistant stainless steel bracket

Complete with 20" (500mm) DC power cord

Ideal for Outdoor Use

Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE



12V - 60V

ORDERING INFORMATION

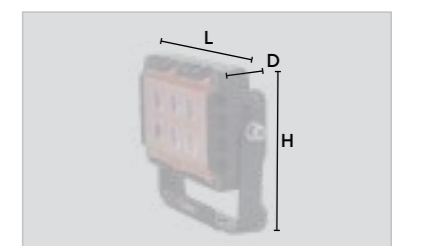
| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|----------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/530 | 55028 | 4-9/32 × 5 × 1-21/32 | 109 × 127 × 42 | 12 |



CREE
IP67



Directs light beam to required direction



49

Floodlight
27W

LED-512



High output, super bright illumination over long distances

27W LED Floodlight
9 powerful LED's of 3W each

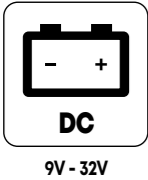
Light Output
High quality output of 1890 lumen with a powerful flood spread of 60° over a distance up to 80 meter

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium die- cast construction in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Corrosion resistant stainless steel bracket

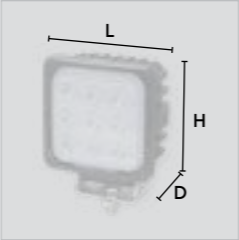
Complete with 18" (450mm) DC power cord

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE



| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|-------------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/512 | 55061 | 4-1/4 × 4-1/4 × 2-27/32 | 108 × 108 × 72 | 20 |



50

Floodlight
30W

LED-545



High output super bright floodlight for 'On-the-Go' use

30W LED Floodlight
6 powerful LED's of 5W each

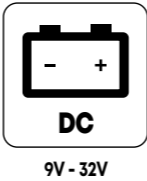
Light Output
High quality output of 2250 lumen with a powerful flood spread of 60° over a distance up to 60 meter

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium die- cast construction in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Corrosion resistant stainless steel bracket

Complete with 8" (200mm) DC power cord

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE



| CAT NR. | ORD NR. | SIZE (L×H×D) | | BOX QTY. |
|---------|---------|---------------------|-----------------|----------|
| | | (INCH) | (MM) | |
| LED/545 | 55065 | 6 × 2-1/16 × 2-9/32 | 150 × 52.5 × 56 | 20 |



51

Floodlight
45W

LED-541



High output super bright floodlight for long distance visibility

45W LED Floodlight
15 powerful LED's of 3W each

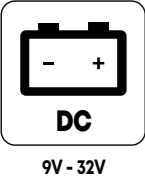
Light Output
High quality output of 3150 lumen with a powerful flood spread of 60° over a distance up to 80 meter

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium die-cast construction in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Corrosion resistant stainless steel bracket

Complete with 18" (450mm) DC power cord

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE

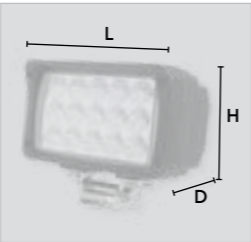


ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|----------------------|---------------|----------|
| | | (INCH) | (MM) | |
| LED/541 | 55063 | 6-7/32 x 3-23/32 x 3 | 158 x 95 x 75 | 12 |



CE
RoHs
IP67



52

Floodlight
48W

LED-515



Brightest floodlight on site

48W LED Floodlight
16 powerful LED's of 3 W each

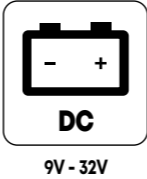
Light Output
High quality output of 3360 lumen with a powerful flood spread up to 60° wide and over a distance up to 80 meter

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium die-cast construction in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions
 - d. Corrosion resistant stainless steel bracket

Complete with 18" (450mm) DC power cord

Ideal for Outdoor Use
Use on off-road vehicles, construction equipment, tractors, farm machinery, service vans, on mining sites etc.

POWER SOURCE

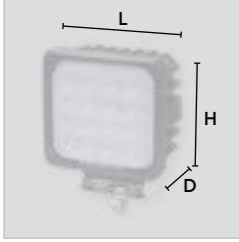


ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|---------------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/515 | 55062 | 4-1/4 x 5-13/32 x 2-27/32 | 108 x 138 x 72 | 20 |



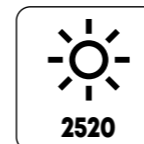
CE
RoHs
IP67



53

Light Bar
36W

LED-701


SCAN TO
WATCH

36W LED Light Bar
12 powerful LED's of 3W each

Light Output
High quality output of 2520 lumen

Combination Beam
Floodlight & spotlight in one;
powerful flood spread &
concentrated bright spot
illumination are ideal for projecting
light to long distances & keeping
surrounding areas bright

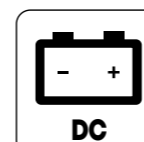
Weather Proof Construction

- IP 67 Rated**
Protected against dust and
effects of water immersion up to
1 meter
- Corrosion resistant aluminium
extruded housing in premium
powder coated finish
- Sturdy polycarbonate lens to
withstand the toughest of job
site conditions

Complete with 20' (500mm) DC
power cord

Ideal for Outdoor Use

Use on off-road vehicles, roof
top of ATV's, UTV's, construction
equipment, tractors, farm
machinery, SUV's etc

POWER SOURCE


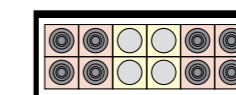
10V - 30V

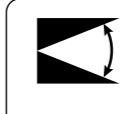
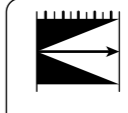
ORDERING INFORMATION

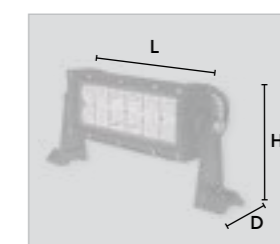
| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|------------|------------|-----------------------|----------------|-------------|
| | | (INCH) | (MM) | |
| LED/701 | 55066 | 8 x 4-17/32 x 3-11/32 | 204 x 115 x 85 | 12 |

CREE

CE
RoHS
IP67

COMBINATION BEAM

 FLOODLIGHT
 SPOTLIGHT

| | FLOODLIGHT | SPOTLIGHT | FLOODLIGHT |
|---------------------------------------------------------------------------------------|----------------|----------------|----------------|
|  | 60° | 30° | 60° |
|  | 100M (328') | 200M (656') | 100M (328') |

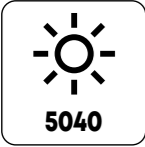

SCAN TO
WATCH

LIGHT BARS

54

Light Bar
72W

LED-711



72W LED Light Bar
24 powerful LED's of 3W each

Light Output
High quality output of 5040 lumen

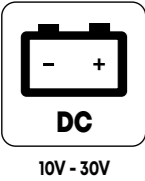
Combination Beam
Floodlight & spotlight in one; powerful flood spread & concentrated bright spot illumination are ideal for projecting light to long distances & keeping surrounding areas bright

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium extruded housing in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions

Complete with 20" (500mm) DC power cord

Ideal for Outdoor Use
Use in mining applications, on off-road vehicles, roof top of ATV's, UTV's, construction equipment, tractors, farm machinery, SUV's etc.

POWER SOURCE



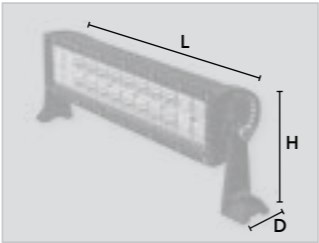
| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY. |
|---------|---------|------------------------|----------------|----------|
| | | (INCH) | (MM) | |
| LED/711 | 55067 | 14 x 4-17/32 x 3-11/32 | 357 x 115 x 85 | 12 |



CREE
CE
RoHs
IP67

COMBINATION BEAM

| | FLOODLIGHT | SPOTLIGHT | FLOODLIGHT |
|--|------------|------------|------------|
| | 60° | 30° | 60° |
| | 100 (328') | 200 (656') | 100 (328') |

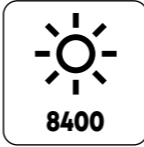


SCAN TO WATCH

55

Light Bar
120W

LED-721



120W LED Floodlight
40 powerful LED's of 3W each

Light Output
High quality output of 8400 lumen

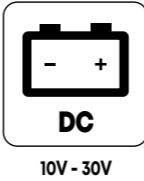
Combination Beam
Floodlight & spotlight in one; powerful flood spread & concentrated bright spot illumination are ideal for projecting light to long distances & keeping surrounding areas bright

- Weather Proof Construction**
- a. **IP 67 Rated**
Protected against dust and effects of water immersion up to 1 meter
 - b. Corrosion resistant aluminium extruded housing in premium powder coated finish
 - c. Sturdy polycarbonate lens to withstand the toughest of job site conditions

Complete with 20" (500mm) DC power cord

Ideal for Outdoor Use
Use in mining applications, on off-road vehicles, roof top of ATV's, UTV's, construction equipment, tractors, farm machinery, SUV's etc

POWER SOURCE



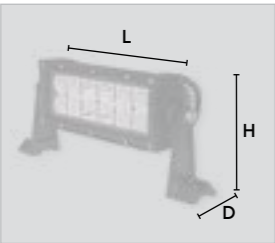
| CAT NR. | ORD NR. | SIZE (LxHxD) | | BOX QTY |
|---------|---------|----------------------------|----------------|---------|
| | | (INCH) | (MM) | |
| LED/721 | 55068 | 22-1/8 x 4-17/32 x 3-11/32 | 562 x 115 x 85 | 6 |



CREE
CE
RoHs
IP67

COMBINATION BEAM











| | FLOODLIGHT | SPOTLIGHT | FLOODLIGHT |
|--|------------|------------|------------|
| | 60° | 30° | 60° |
| | 100 (328') | 200 (656') | 100 (328') |














SCAN TO WATCH




| | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|--|----------------|-----------|------------|--------------|-----------------------|---------------|---------------------|--------------------|
|--|----------------|-----------|------------|--------------|-----------------------|---------------|---------------------|--------------------|



WORKLIGHTS

| | | | | | | | | | |
|----------|-------------------------------------------------------------------------------------|---------|------|------|----------------------------------|----------------|-----------|-----|-----|
| LED-695 |  | 10W COB | IP54 | 1000 | Rechargeable Li-ion | 7.4V 2000 mAh | Micro USB | 10 | 4 |
| LED-550 |  | 10W COB | IP54 | 1000 | Rechargeable Li-ion | 3.7V 4400 mAh | Micro USB | 6 | 5 |
| LED-560 |  | 20W COB | IP54 | 2000 | Rechargeable Li-ion | 7.4V 4400 mAh | Micro USB | 6 | 5 |
| LED-670 |  | 30W COB | IP54 | 2800 | Rechargeable Li-ion / AC Powered | 7.4V 4400 mAh | ⊗ | 4 | 3 |
| LED-670T |  | 30W COB | IP54 | 2800 | Rechargeable Li-ion / AC Powered | 7.4V 4400 mAh | ⊗ | 4 | 3 |
| LED-680 |  | 60W SMD | IP54 | 4500 | Rechargeable Li-ion | 14.8V 5200 mAh | ⊗ | 12 | 4.5 |
| LED-680T |  | 60W SMD | IP54 | 4500 | Rechargeable Li-ion | 14.8V 5200 mAh | ⊗ | 12 | 4.5 |
| LED-685 |  | 20W SMD | IP54 | 2000 | Rechargeable Li-ion | 3.7V 4000 mAh | Type-C | 8.5 | 5 |
| LED-685T |  | 20W SMD | IP54 | 2000 | Rechargeable Li-ion | 3.7V 4000 mAh | Type-C | 8.5 | 5 |
| LED-660 |  | 36W SMD | IP65 | 3000 | Rechargeable Li-ion | 7.4V 4400 mAh | ⊗ | 5 | 4.5 |

| | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|--|----------------|-----------|------------|--------------|-----------------------|---------------|---------------------|--------------------|
|--|----------------|-----------|------------|--------------|-----------------------|---------------|---------------------|--------------------|






| | | | | | | | | | |
|-----------|---------------------------------------------------------------------------------------|-----------------|------|------|---------------------|----------------|-----------|-----|-----|
| LED-800 |  | 40W COB | IP54 | 4000 | AC Powered | - | ⊗ | - | - |
| LED-602 |  | 28W SMD | IP65 | 2100 | AC Powered | - | ⊗ | - | - |
| LED-612 |  | 60W SMD | IP65 | 4200 | AC Powered | - | ⊗ | - | - |
| LED-616 |  | 45W SMD | IP54 | 4000 | AC Powered | - | ⊗ | - | - |
| LED-621 |  | 18W LED | IP65 | 1000 | Rechargeable Li-ion | 3.7V 6600 mAh | Micro USB | 11 | 8 |
| LED-650 |  | 9W LED | IP65 | 500 | Rechargeable Li-ion | 3.7V 6600 mAh | Micro USB | 4 | 9 |
| LED-630 |  | 15W LED | IP67 | 900 | DC Powered | 12V - 36V | ⊗ | - | - |
| LED-385 |  | 20W COB | - | 1000 | Dry Cell | 4 x AA Battery | ⊗ | 4 | 0 |
| LED-385RM |  | 20W COB | - | 1000 | Li-Po Battery | 3.7V 5000 mAh | Micro USB | 6 | 6 |
| LED-370 |  | 6W COB + 1W SMD | IP54 | 600 | Rechargeable Li-ion | 3.7V 2600 mAh | Micro USB | 10 | 4 |
| LED-390 |  | 3W COB + 3W LED | - | 150 | Rechargeable Li-ion | 3.7V 1200 mAh | Micro USB | 2.5 | 2.5 |

| | | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|----------|-------------------------------------------------------------------------------------|--------------------------|-----------|------------|---------------------|-----------------------|---------------|---------------------|--------------------|
| LED-360 |  | 7W SMD + 3W LED | IP54 | 350 | Rechargeable Li-ion | 3.7V 2200 mAh | Micro USB | 7 | 4 |
| LED-375 |  | 10W COB + 2W SMD | IP65 | 1000 | Rechargeable Li-ion | 3.7 V 3350 mAh | Micro USB | 5 | 5 |
| LED-395 |  | 5W COB + 3W LED | - | 350 | Rechargeable Li-ion | 3.7 V 2000 mAh | Micro USB | 20 | 3 |
| LED-396 |  | 10W COB + 3W LED | - | 500 | Rechargeable Li-ion | 3.7 V 2000 mAh | Micro USB | 3 | 3.5 |
| LED-376U |  | 10W COB + 3W UV | - | 550 | Rechargeable Li-ion | 3.7V 2000 mAh | Type-C | 15 | 3 |
| LED-397 |  | 10W COB+ 3W LED | - | 500 | Rechargeable Li-ion | 3.7 V 2400 mAh | Type-C | 3 | 2.5 |
| LED-185 |  | 4W COB+ 2W SMD+ 0.5W SMD | - | 400 | Rechargeable Li-ion | 3.7 V 2600 mAh | Type-C | 10 | 4 |
| LED-186 |  | 10W COB + 1W LED | IP54 | 1000 | Rechargeable Li-ion | 3.7 V 2600 mAh | Type-C | 16 | 4 |
| LED-345 |  | 7W COB | - | 650 | Rechargeable Li-ion | 3.7 V 4400 mAh | Micro USB | 11 | 6 |
| LED-346 |  | 7W COB + 1W UV | - | 700 | Rechargeable Li-ion | 11.1V 2600 mAh | Type-C | 8 | 4 |






| | | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|---------|-------------------------------------------------------------------------------------|----------------|-----------|------------|---------------------|-----------------------|---------------|---------------------|--------------------|
| LED-355 |  | 10W COB | - | 1000 | Rechargeable Li-ion | 7.4V 2600 mAh | Type-C | 5 | 4.5 |
| LED-351 |  | 15W COB | - | 1000 | Rechargeable Li-ion | 3.7 V 5200 mAh | Micro USB | 7 | 4.5 |

FLASHLIGHTS

| | | | | | | | | | |
|----------|---------------------------------------------------------------------------------------|-----------------|------|-----|---------------------|-----------------|-----------|-----|-----|
| LED-140 |  | 3W COB | - | 150 | Dry Cell | 3 X AA Battery | ⊗ | 4 | - |
| LED-150 |  | 2W COB | - | 200 | Rechargeable Li-ion | 3.7 V 1800 mAh | Micro USB | 3 | 3 |
| LED-190 |  | 5W SMD | - | 500 | Rechargeable Li-Po | 3.7 V 1800 mAh | Micro USB | 2.5 | 3.5 |
| LED-335 |  | 3W COB + 1W LED | - | 180 | Rechargeable Li-ion | 3.7 V 800 mAh | Micro USB | 3 | 2.5 |
| LED-336 |  | 3W COB + 2W LED | - | 300 | Li-Po Battery | 3.7V 650 mAh | Micro USB | 2 | 2 |
| LED-160 |  | 5W LED | IP54 | 150 | Dry Cell | 2 X AAA Battery | ⊗ | 8 | - |
| LED-165R |  | 5W LED | IP54 | 250 | Rechargeable Li-ion | 3.7V 600 mAh | Micro USB | 3.5 | 3 |
| LED-170 |  | 10W LED | IP54 | 400 | Dry Cell | 3 X AAA Battery | ⊗ | 20 | - |










| | | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|----------|------------------------------------------------------------------------------------|-----------------|-----------|------------|---------------------|-----------------------|---------------|---------------------|--------------------|
| LED-170R |  | 10W LED | IP54 | 1000 | Rechargeable Li-ion | 3.6V 2600 mAh | Type-C | 12 | 4 |
| LED-175 |  | 5W COB + 3W LED | - | 450 | Rechargeable Li-ion | 3.7V 800 mAh | Type-C | 3 | 2.5 |
| LED-402 |  | 7W LED | IP67 | 700 | Rechargeable Li-ion | 3.7V 2200 mAh | ⊗ | 4.5 | 4 |
| LED-131 |  | 0.5W LED | - | 30 | Dry Cell | 4X1.5 LR44 | ⊗ | 4 | - |
| LED-132 |  | 0.5W LED | - | 30 | Rechargeable Li-ion | 3.7V 450 mAh | Micro USB | 4 | 2.5 |

HEADLAMPS




| | | | | | | | | | |
|---------|-------------------------------------------------------------------------------------|-----------------|------|-----|-------------------------------|-----------------------|-----------|----|-----|
| LED-245 |  | 5W LED | IP54 | 500 | Rechargeable Li-ion/ Dry Cell | 3.7V 900mAh/ 1xAA | Micro USB | 18 | 4 |
| LED-220 |  | 3W COB | - | 150 | Rechargeable Li-ion | 3.7V 2200 mAh | Micro USB | 12 | 4 |
| LED-225 |  | 3W COB + 4W LED | - | 500 | Rechargeable Li-Po/ Dry Cell | 3.7V 1000mAh/ 3 x AAA | Micro USB | 10 | 3 |
| LED-230 |  | 3W COB + 1W LED | - | 160 | Dry Cell | 3 x AAA Battery | ⊗ | 9 | - |
| LED-250 |  | 5W COB + 3W LED | - | 350 | Li-Po Battery | 3.7V 1200 mAh | Micro USB | 8 | 2.5 |

FLOODLIGHTS

| | | | | | | | | | |
|---------|-------------------------------------------------------------------------------------|---------|------|-----|------------|---------------|---|---|---|
| LED-505 |  | 12W LED | IP67 | 840 | DC Powered | 10V DC-30V DC | ⊗ | - | - |
|---------|-------------------------------------------------------------------------------------|---------|------|-----|------------|---------------|---|---|---|

| | | TYPE & WATTAGE | IP RATING | MAX LUMENS | POWER SOURCE | BATTERY SPECIFICATION | CHARGING TYPE | MAX RUN TIME (HRS.) | CHARGE TIME (HRS.) |
|----------|---------------------------------------------------------------------------------------|----------------|-----------|------------|--------------|-----------------------|---------------|---------------------|--------------------|
| LED-501 |  | 15W LED | IP67 | 900 | DC Powered | 10V DC-30V DC | ⊗ | - | - |
| LED-502 |  | 15W LED | IP67 | 900 | DC Powered | 10V DC-30V DC | ⊗ | - | - |
| LED-501S |  | 15W LED | IP67 | 1050 | DC Powered | 10V DC-30V DC | ⊗ | - | - |
| LED-520 |  | 15W LED | IP67 | 1050 | DC Powered | 12V DC-60V DC | ⊗ | - | - |
| LED-530 |  | 18W LED | IP67 | 1200 | DC Powered | 12V DC-60V DC | ⊗ | - | - |
| LED-512 |  | 27W LED | IP67 | 1890 | DC Powered | 9V DC-32V DC | ⊗ | - | - |
| LED-545 |  | 30W LED | IP67 | 2250 | DC Powered | 9V DC-32V DC | ⊗ | - | - |
| LED-541 |  | 45W LED | IP67 | 3150 | DC Powered | 9V DC-32V DC | ⊗ | - | - |
| LED-515 |  | 48W LED | IP67 | 3360 | DC Powered | 9V DC-32V DC | ⊗ | - | - |

LIGHT BARS

| | | | | | | | | | |
|---------|---------------------------------------------------------------------------------------|----------|------|------|------------|----------------|---|---|---|
| LED-701 |  | 36W LED | IP67 | 2520 | DC Powered | 10V DC -30V DC | ⊗ | - | - |
| LED-711 |  | 72W LED | IP67 | 5040 | DC Powered | 10V DC -30V DC | ⊗ | - | - |
| LED-721 |  | 120W LED | IP67 | 8400 | DC Powered | 10V DC -30V DC | ⊗ | - | - |

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YOU NEED!**

**SMART & INFORMATIVE
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VIDEOS**

NOTES

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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.

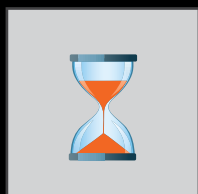


Multi-Spindle Turning Machines - Davenport for high volume production & concentricity



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



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.



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



SA 8000 : 2014

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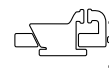
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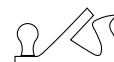
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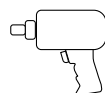
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LOOK OUT FOR
NEW!
THROUGHOUT
THE CATALOGUE

**Rubber
Mallets**



44

G-Bar



70

**San-Angelo
Bar**



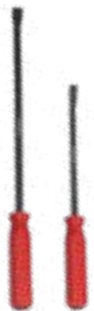
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01

STRIKING TOOLS









HAMMER MANUFACTURING UNIT

KAROLI, RAJASTHAN

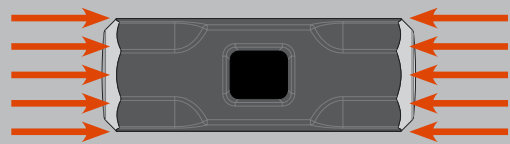


300,000 sq. ft.
manufacturing facility

In-house capabilities

- | | | | |
|-------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | Tool & Die Making |  | Automated Assembly |
|  | CNC Forging Hammer |  | Paint Shop |
|  | Modern Rotary Induction Hardening |  | 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

**PATENT
PENDING**

STEEL REINFORCED LANYARD HOLE



SCAN TO
WATCH

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 |
|---------------------------|---------------|---------------|

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 |

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 |
|---------------------------------|---------------|---------------|

WARNING*

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

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

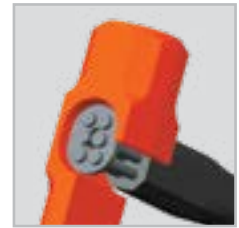


ORDERING INFORMATION

| 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

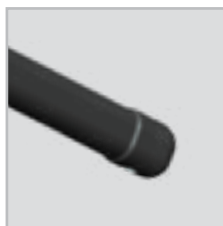
| | | |
|---------------------------|---------------|---------------|
| WORKING TEMPERATURE RANGE | -10°C TO 50°C | 14°F TO 122°F |
|---------------------------|---------------|---------------|



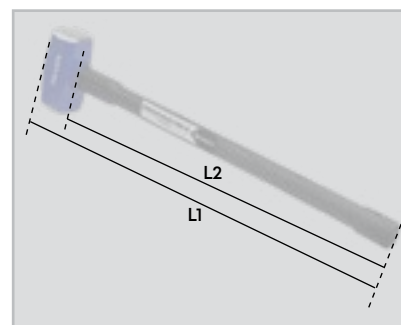
Steel Locking Plate



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

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

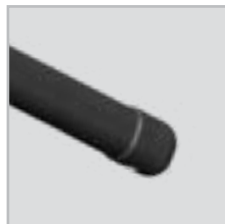
- Metal forming
- Mining
- Underground mining
- Oil rigs
- Gas industry



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



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 |
|---------------------------|---------------|---------------|
|---------------------------|---------------|---------------|



Mar
Resistant
Head

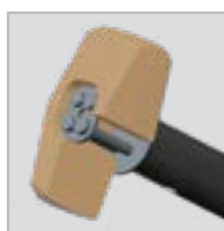


ORDERING INFORMATION

| 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



SPARK RESISTANT



NON-MARRING

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 |
|---------------------------|---------------|---------------|
|---------------------------|---------------|---------------|



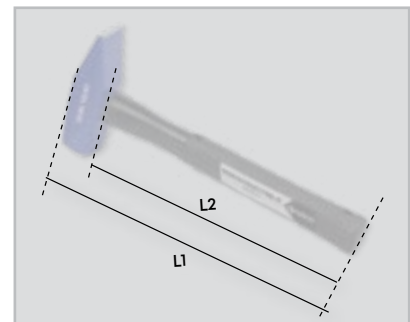
Steel Locking Plate



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 |
|---------------------------|---------------|---------------|
|---------------------------|---------------|---------------|

BS 876

For material, hardness & performance



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

10

Tire Bead Breaker Hammers Indestructible Handle

TBID

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



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



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 |

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!

BS 876

For material, hardness & performance

SANS 387:2014



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

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 fly away even with rough use

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

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



NEW!

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 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

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

- 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

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 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!

BS 876

For material, hardness & performance



ORDERING INFORMATION

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

ASME

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For material, hardness & performance



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!

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) | |
| 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

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) | |
| BHFG/2.5/14 | 36562 | 2.5 | 1.14 | 14 | 350 | 8 |
| BHFG/4/14 | 36563 | 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



20

Claw Hammer Fibreglass Handle

CLFG

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

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

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

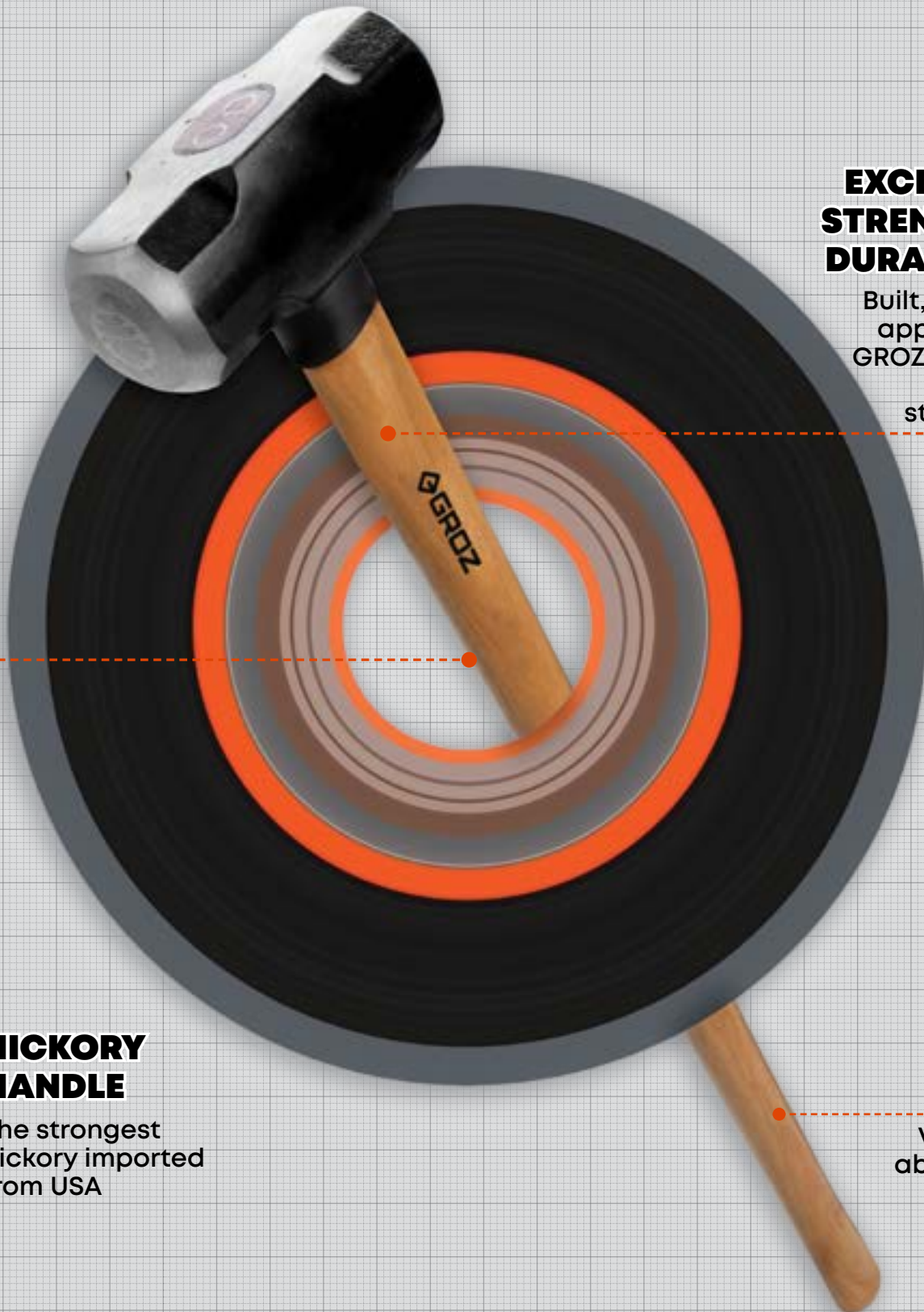
EXCELLENT STRENGTH & DURABILITY

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

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 |

NEW!

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

NEW!

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



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

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



NEW!

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

- 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

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

NEW!

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

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

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

- 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!

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

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

NEW!

ASME

B107.400- 2018



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 |



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 |



NEW!



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

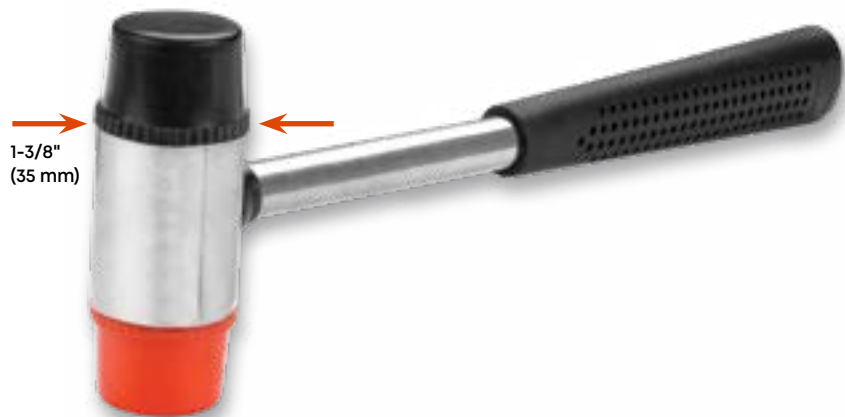
To deliver cushioned strike. Used in sheet metal & aluminium fabrication jobs, installation of wheel hub caps in automotive assembly & maintenance

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



a. Plastic Head



b. Rubber Head



c. Brass Head



d. Copper Head

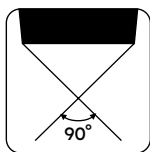
APPLICATION

- 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

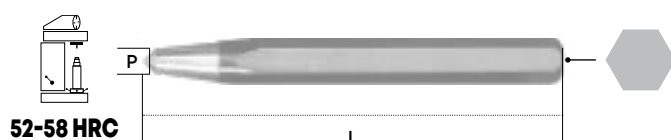
Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

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



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) | |
| 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

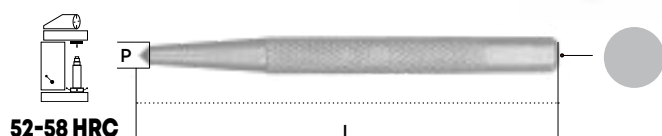
Accurately hardened & tempered so that the pin will withstand continuous use and the striking end will not splinter

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

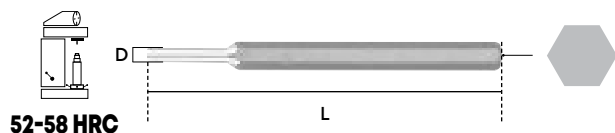
Induction hardened and special tempering process prevents the head from fracturing, thereby preventing accidents

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

Available in two types:

- Regular**
- 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" (2.5mm) | 1/8" (3mm) | 5/32" (4mm) | 3/16" (5mm) | 1/4" (6mm) | 5/16" (8mm) | |
| ★ PP/HD/7/ST | 25611 | 7 pc set - packed in a vinyl pouch | | | | | | 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) | | | | | | |
| 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" (3mm) | 3/16" (5mm) | 1/4" (6mm) | 5/16" (8mm) | 3/8" (10 mm) | | |

★ Best Seller



PP/HD/6/ST



PP/HD/7/ST



PP/HD/5L/ST

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

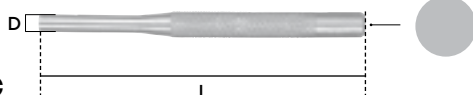
Rust inhibiting black oxide finish

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



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



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" (2.5 mm) | 1/8" (3mm) | 5/32" (4mm) | 3/16" (5mm) | |
| | | 1/4" (6mm) | 5/16" (8mm) | | | |
| PPR/8/ST | 25550 | 8 pc set - packed in a vinyl pouch | | | | 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

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" (3mm) | 3/16" (5mm) | 1/4" (6mm) | 5/16" (8mm) | |
| | | 3/8" (9.5mm) | | | | |
| ★ DDP/8/ST | 25509 | 8 pc set - packed in a vinyl pouch | | | | 25 |
| | | 1/16" (1.5mm) | 3/32" (2.5mm) | 1/8" (3mm) | 5/32" (4mm) | |
| | | 3/16" (5mm) | 1/4" (6mm) | 5/16" (8mm) | 3/8" (9.5mm) | |

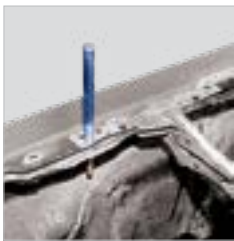
★ Best Seller

Single piece carbon steel construction
with hexagonal shank

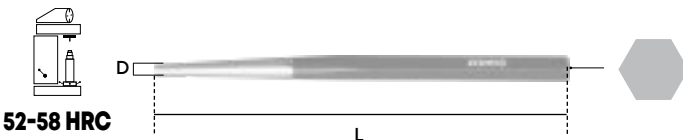
Accurately hardened and tempered for
extended service life

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



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 | |
| | | 7 pc set - packed in vinyl pouch | | | | | | | |
| DFP/HD/7/ST | 25809 | 1/8" (3mm) | 5/32" (4mm) | 3/16" (5mm) | 7/32" (5.5mm) | 1/4" (6mm) | 5/16" (8mm) | 3/8" (9.5mm) | 10 |

* 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

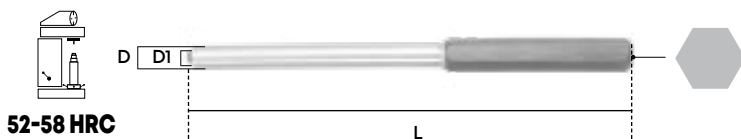
Working ends are machine ground with the body in premium powder coated finish

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 |
| 6 pc set - packed in a vinyl pouch | | | | | | | | |
| * RPP/6/ST | 25646 | 3/32" (2.5mm) | 1/8" (3mm) | 5/32" (4mm) | 3/16" (5mm) | 1/4" (6mm) | 16" (8mm) | 50 |

* 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

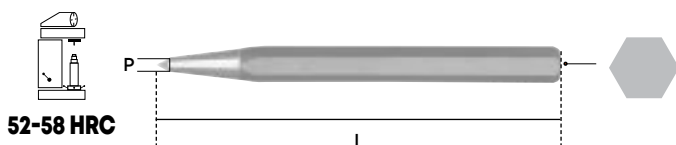
Prick Punches Heavy Duty

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:

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



ACP/1B



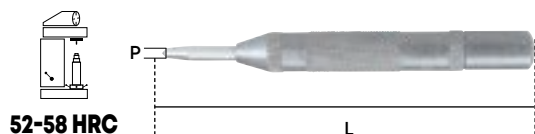
ACP/SS/89



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

HPL

HPL/BEL



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. |
|----------------------|---------|-----------|---------|------------|------|----------|
| PLASTIC / METAL CASE | | WOOD CASE | | (INCH) | (MM) | |
| 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. |
|----------------------|---------|-----------|---------|------------|------|----------|
| PLASTIC / METAL CASE | | WOOD CASE | | (INCH) | (MM) | |
| 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

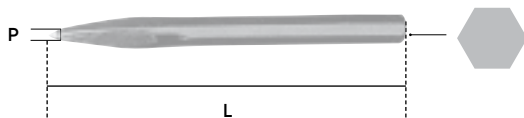
These are available in the following types:

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



52-58 HRC

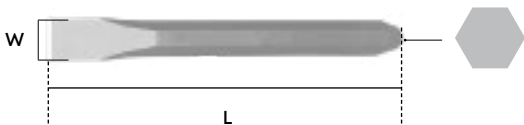


b. Octagonal Cold Chisels

- 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



52-58 HRC



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

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"x1/2" (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

Octagonal Cold Chisels



Octagonal Cold Chisels with Guard

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

| CAT NR. KIT/13/ST | | ORDNR. 33006 | | | | |
|-----------------------------|-------------|--------------|------------|------|----------------|------|
| 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/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



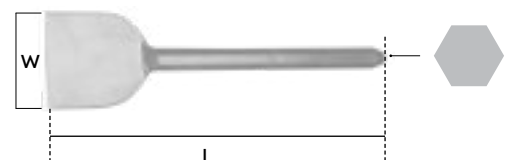
a. Brick Bolsters

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

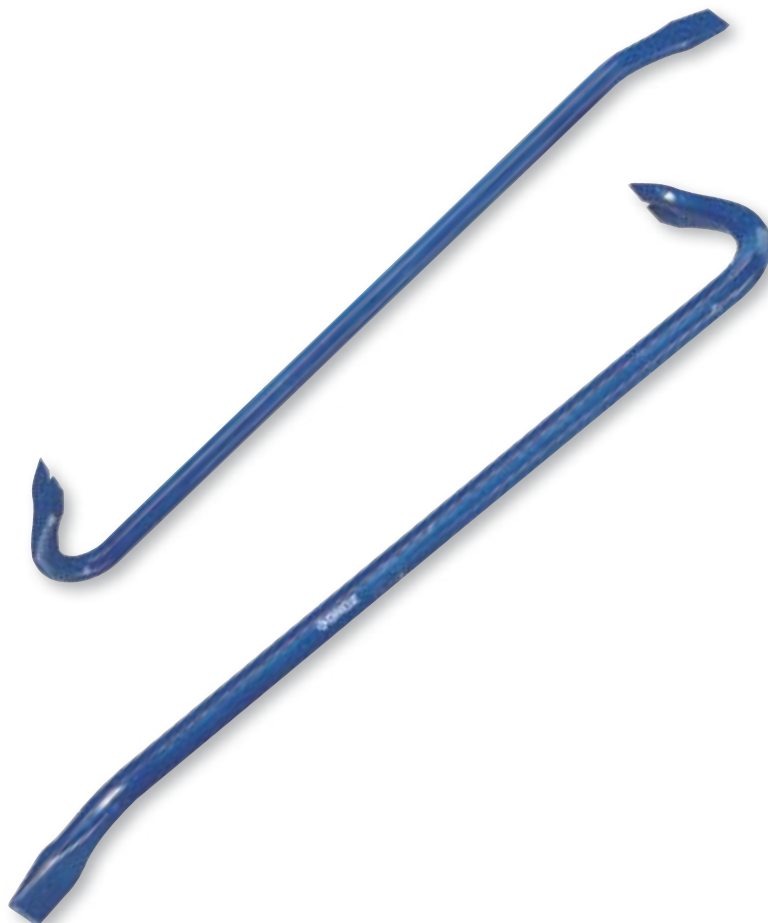
| CAT NR. | ORD NR. | BLADE WIDTH (W) | | STOCK SIZE | | OVERALL LENGTH (L) | | BOX QTY. |
|------------------------------------------------|------------|--------------------|------|---------------|------|-----------------------|------|-------------|
| | | (INCH) | (MM) | (INCH) | (MM) | (INCH) | (MM) | |
| 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

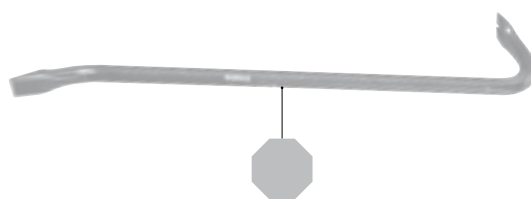
Suited for leveraging timber and
for pulling out nails from timber,
dismantling wooden crates etc.



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



53

G-Bar® Heavy Duty Wrecking Bar

GBR
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

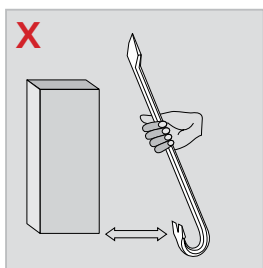
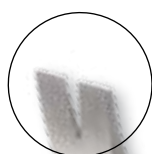
Low profile claw fits securely under the work-piece giving larger prying power

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

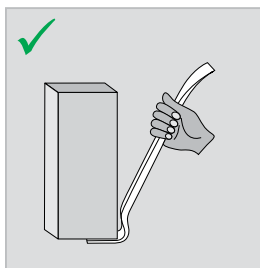
Large bar to claw angle for 2X leverage and convenient use near work surface



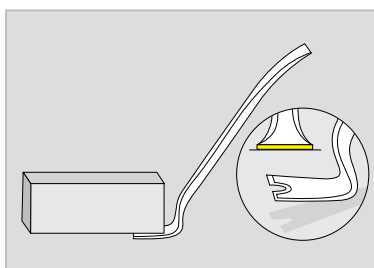
V slot in the claw
for pulling out nails



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 |

54

Construction Bars Heavy Duty

HDPR

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 |

55

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 |

56

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

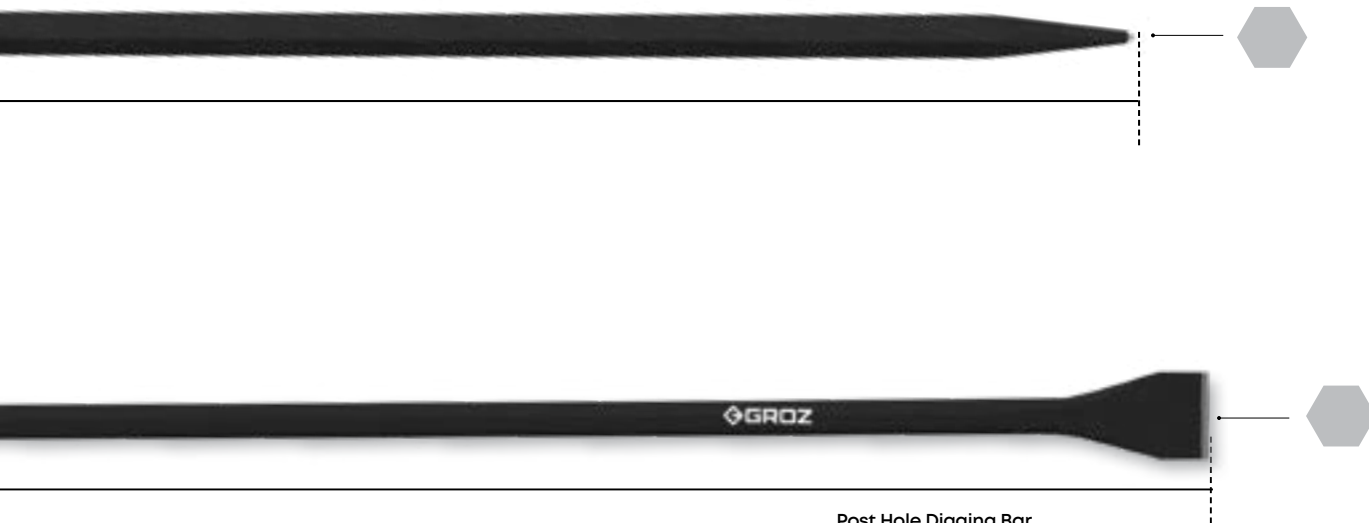
Post Hole Digger has a 2-3/8" (60mm) mushroom head at one end and bevelled chisel edge at the other

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 |

57

Utility Bar

UBR
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

58

Super Cut Hi-Tension Hacksaw

HF40

30,000 PSI

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

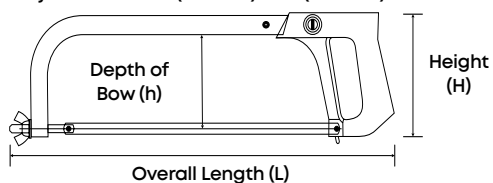
Comes complete with 12" (300 mm) Bi-metal blade



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 |


8000 PSI

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

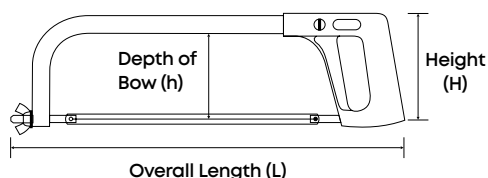
Curved front end designed for comfortable two hand usage

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

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

SPECIFICATIONS

| TENSILE STRENGTH | 8000 PSI | 560 KGF/CM ² |
|------------------|----------|-------------------------|
|------------------|----------|-------------------------|


HF/12/RB

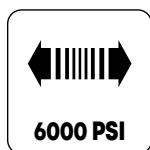
HF/12/BC
ORDERING INFORMATION

| 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

60

Handyman's Hacksaw

HF15


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

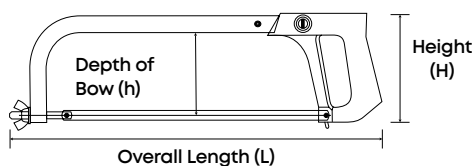
Useful for overhead cutting or use from a ladder or scaffolding



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

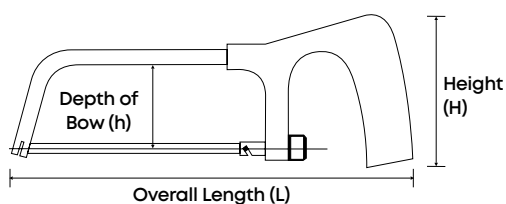
Locks the blade in position when the correct tension is reached

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

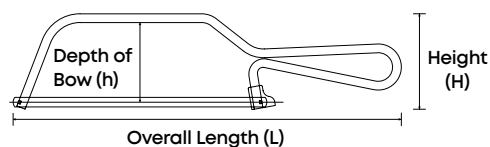
Blade holder intrinsic in the frame avoids protrusion of the blade from the ends

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

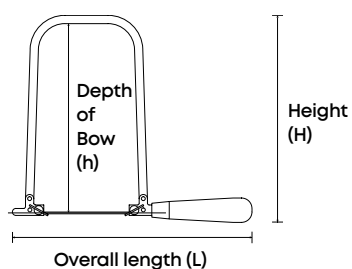
Serrated clamps operated via the screw and wing nut maintain firm grip on the blade

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

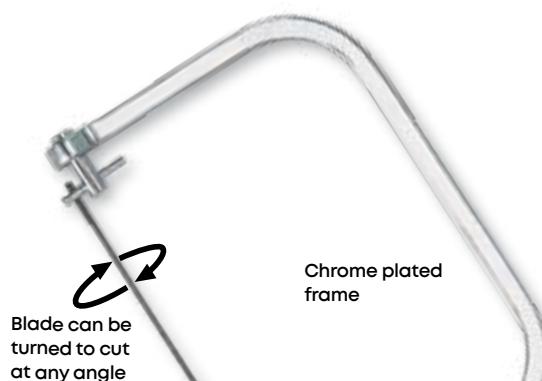
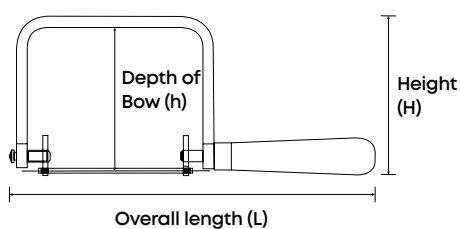
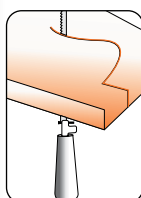
Required tension is achieved by turning the handle

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

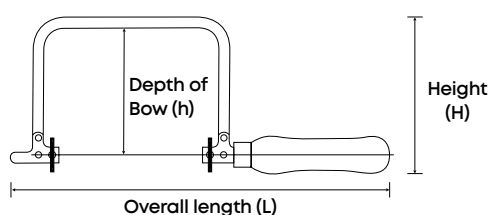
Frame:

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



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 |

66

Bi-Metal Hacksaw Blades

HB-BC


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)

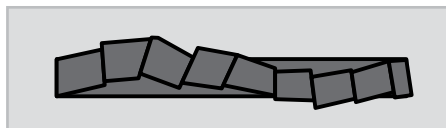
Blade Thickness

0.025" (0.63 mm)

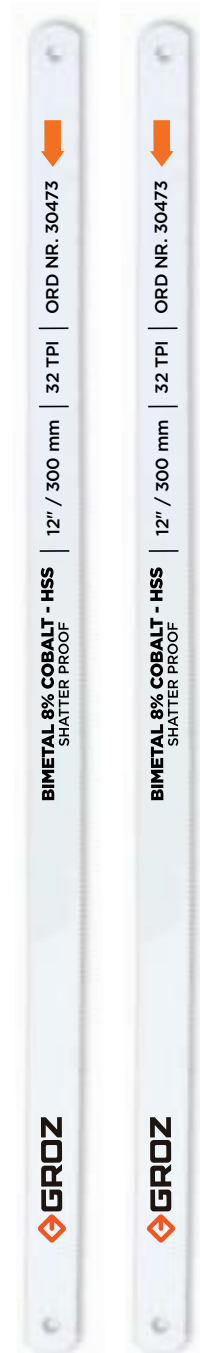
Sold as a pack of 10 Blades



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

67

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


68

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

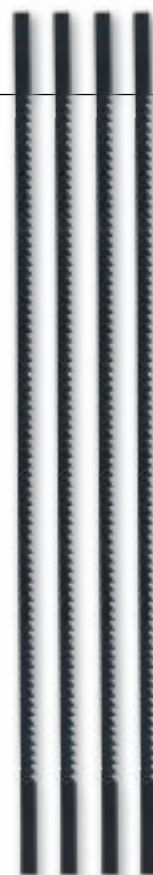
Manufactured from high quality steel heat treated to give the correct combination of hardness and toughness. Teeth set to ensure speed of cutting and ease of turning

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)

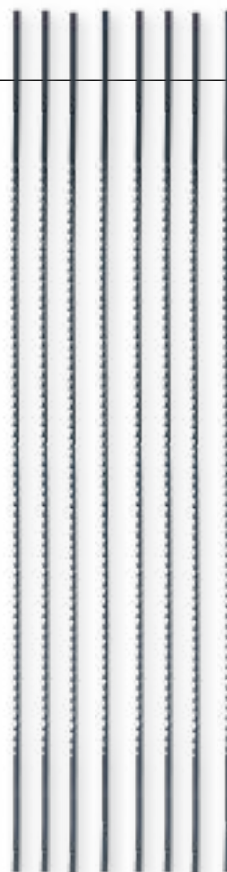
Sold as a pack of 12 blades

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 bench 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)

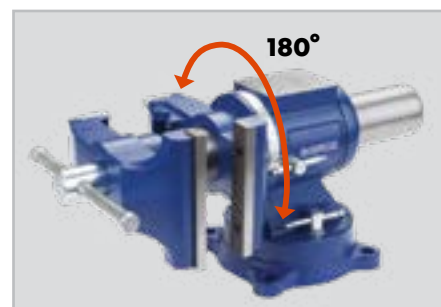
Jaw head can be pivoted 180° either sides and locked in position giving the user complete flexibility to adjust vice to any required working angle with ease



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

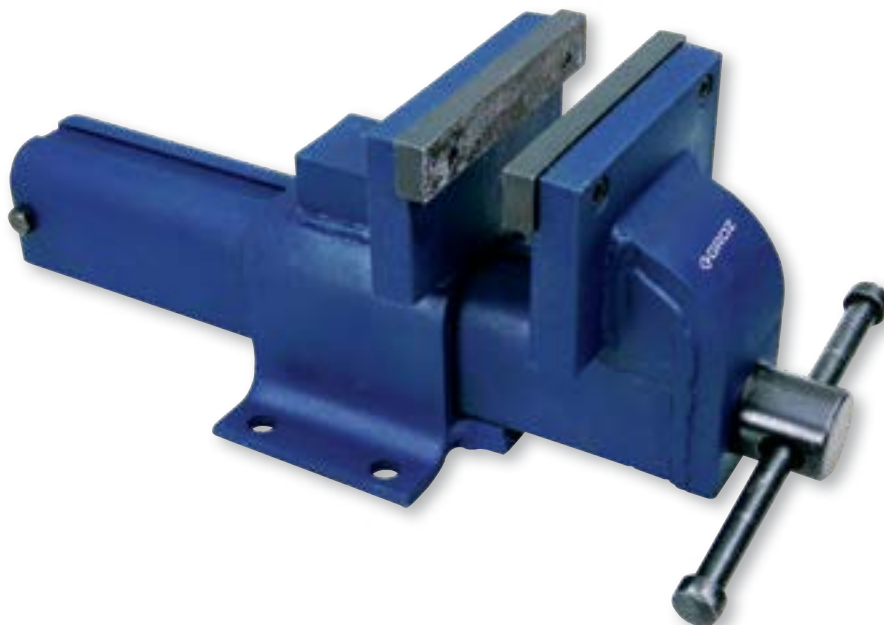
Fixed base vices with an integrated anvil for shaping and beating

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




20,000 PSI

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

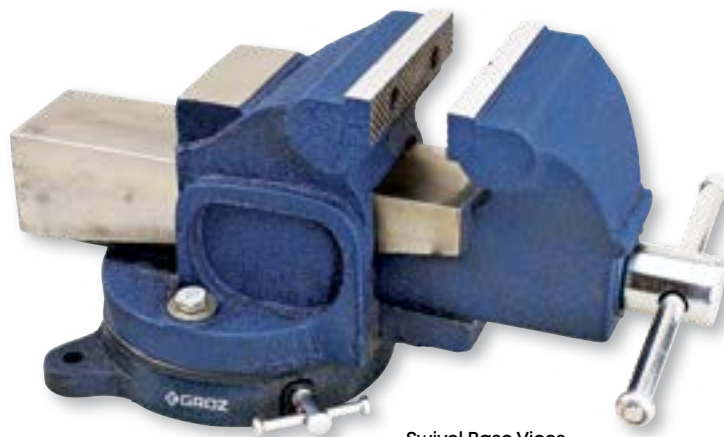
SPECIFICATIONS

| | | |
|------------------|------------|--------------------------|
| 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

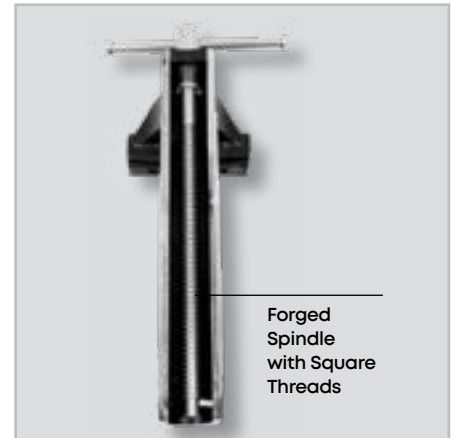
| CAT NR. | ORD NR. | JAW WIDTH | | JAW OPENING | | THROAT DEPTH | | NET WEIGHT | BOX QTY. |
|-------------|---------|-----------|------|-------------|------|--------------|------|------------|----------|
| | | (INCH) | (MM) | (INCH) | (MM) | (INCH) | (MM) | (KG) | |
| FIXED BASE | | | | | | | | | |
| 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

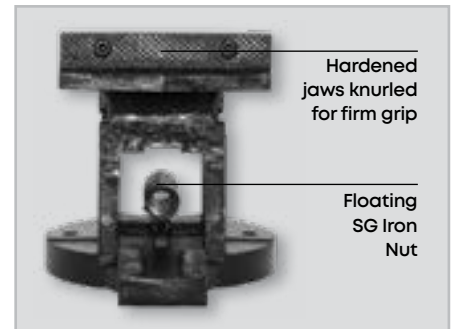
BNV SERIES



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 | BOX QTY. |
|-------------|------------|--------------|-------|----------------|------|-----------------|------|---------------|-------------|
| | | (INCH) | (MM)S | (INCH) | (MM) | (INCH) | (MM) | (KG) | |
| 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

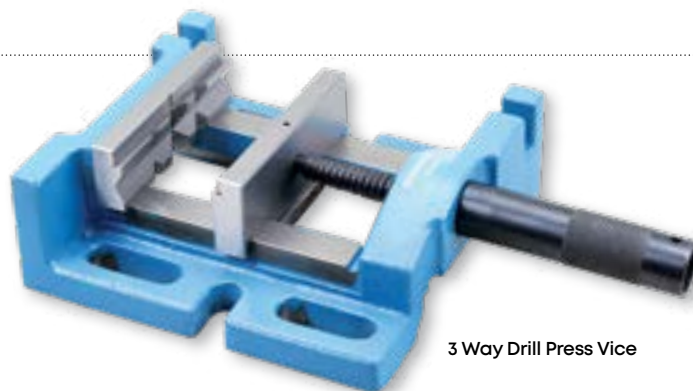
Spindle moves inside the hollow hand grip making the vice usable on any position across the table
Elongated clamping slots for rapid adjustment of the vice on the work table help save time



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



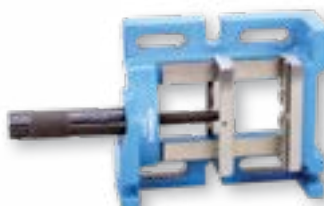
3 Way Drill Press Vice

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


60,000 PSI

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

Handle is designed to bend before the frame is overstressed

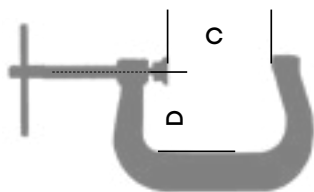
Steel main screw has ACME threads

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 |
|------------------|------------|--------------------------|


ORDERING INFORMATION

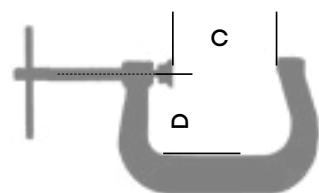
| CAT NR. | ORD NR. | CAPACITY (C) | | THROAT DEPTH (D) | | FRAME PROOF LOAD | | BOX QTY. |
|---------------|---------|--------------|------|------------------|------|------------------|-------|----------|
| | | (INCH) | (MM) | (INCH) | (MM) | (KGS) | (LBS) | |
| GCL/13D/50 | 35807 | 2 | 50 | 1-5/8 | 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

A man with dark hair and safety glasses is focused on planing a thick wooden beam. He is wearing a reddish-brown t-shirt and is using a hand plane with a wooden handle and a metal body. The plane has the brand name 'GROZ' visible on its side. Wood shavings are being removed from the surface of the beam. The background is a dimly lit workshop with various wooden materials and tools visible.

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

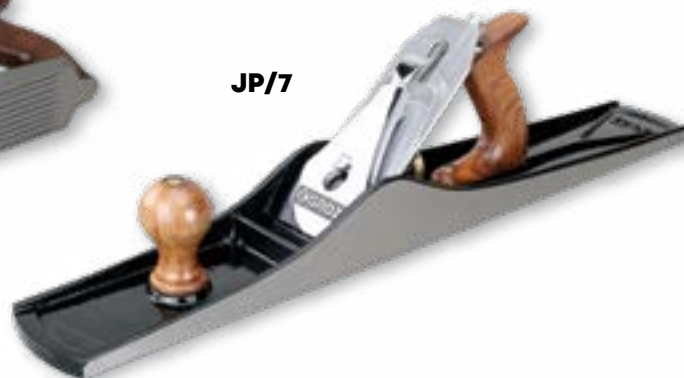
Also available with corrugated base - very useful for work on resinuous or sticky timbers


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

80

Duplex Rabbet Plane

DRFP

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

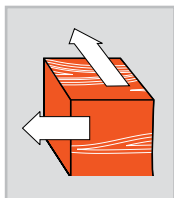
Flush with the base when cutting with the grain and brought into use by turning 90° when cutting across the grain while in this position it prevents tearing & splintering of wood which could occur when cutting across the grain

Adjustable Fence

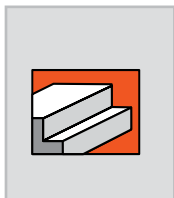
Can be fitted on either side of the plane

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

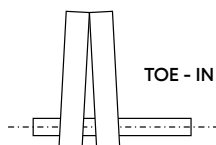
| CAT NR. | ORD NR. | LENGTH | | CUTTER WIDTH | | BOX QTY. |
|---------|---------|--------|------|--------------|------|----------|
| | | (INCH) | (MM) | (INCH) | (MM) | |
| DRFP/78 | 39730 | 8-1/2 | 212 | 1-1/2 | 40 | 6 |



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:

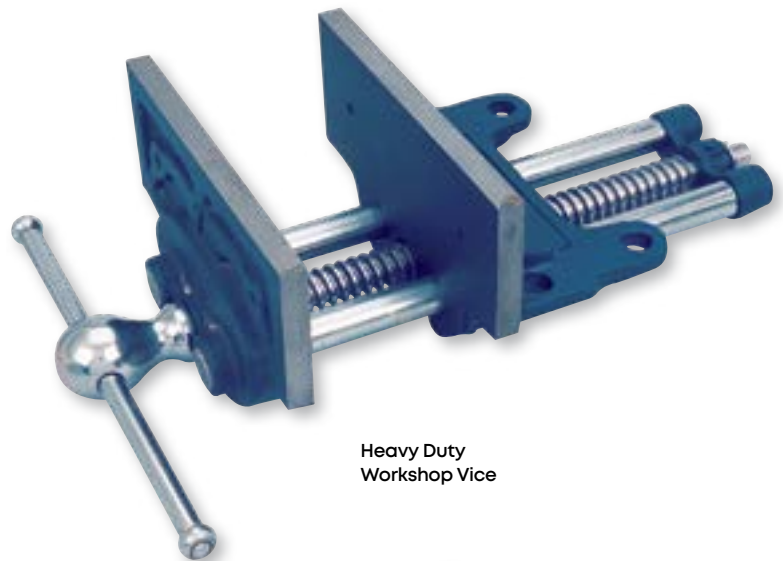
a. Heavy Duty

Full Size Workshop Vices

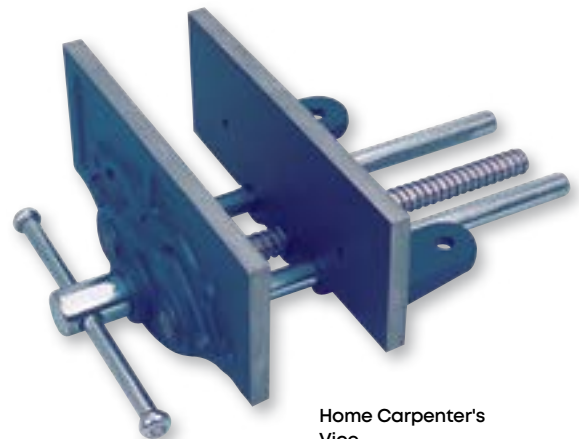
Especially useful for large sized jobs in workshops

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 | BOX QTY. |
|-------------------------------------|---------|-----------|------|-------------|------|--------|----------|
| | | (INCH) | (MM) | (INCH) | (MM) | (KG) | |
| 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

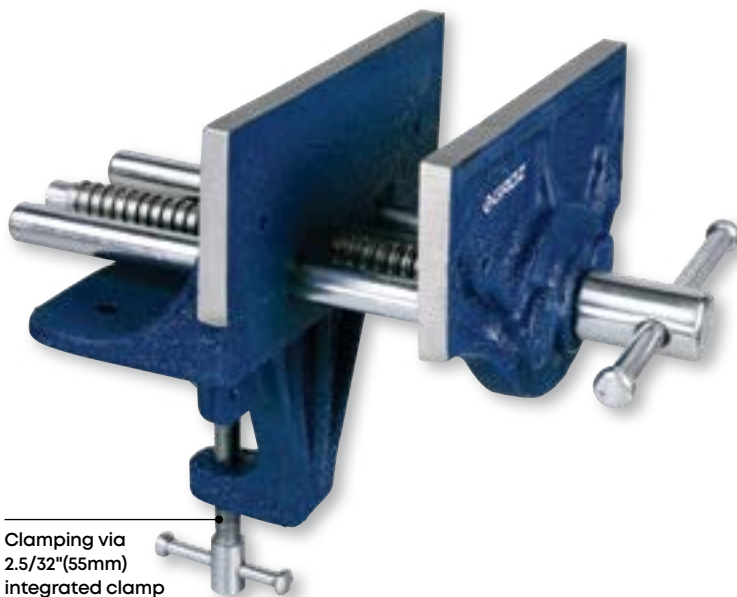
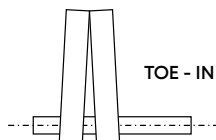
Dual clamping options:

- Permanent clamping** on the workbench via clamping slots provided in the vice
- 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



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



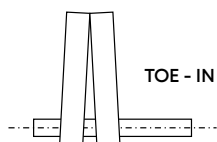
Traditional pattern woodworking vice equipped with the quick release mechanism

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 oversize work pieces to be held securely

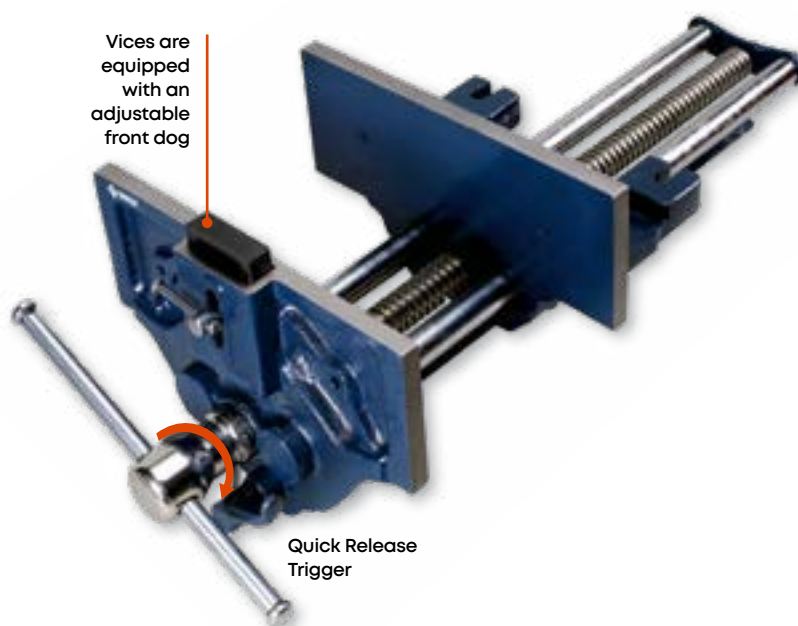
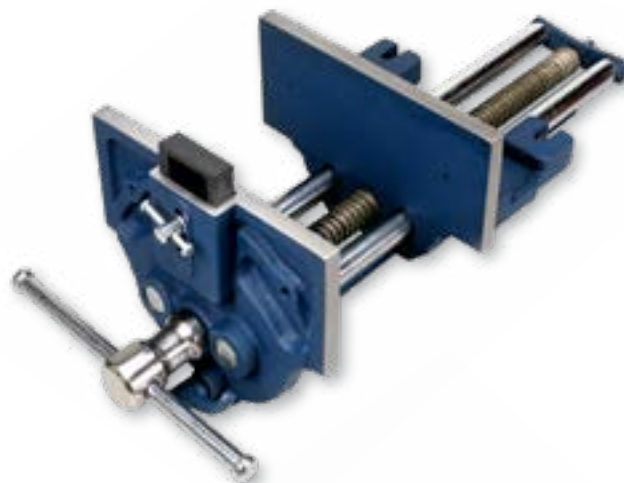
Manufactured from close-grained grey cast iron. Accurately machined housings for smooth sliding movement and true parallel action free of side or cross movement

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



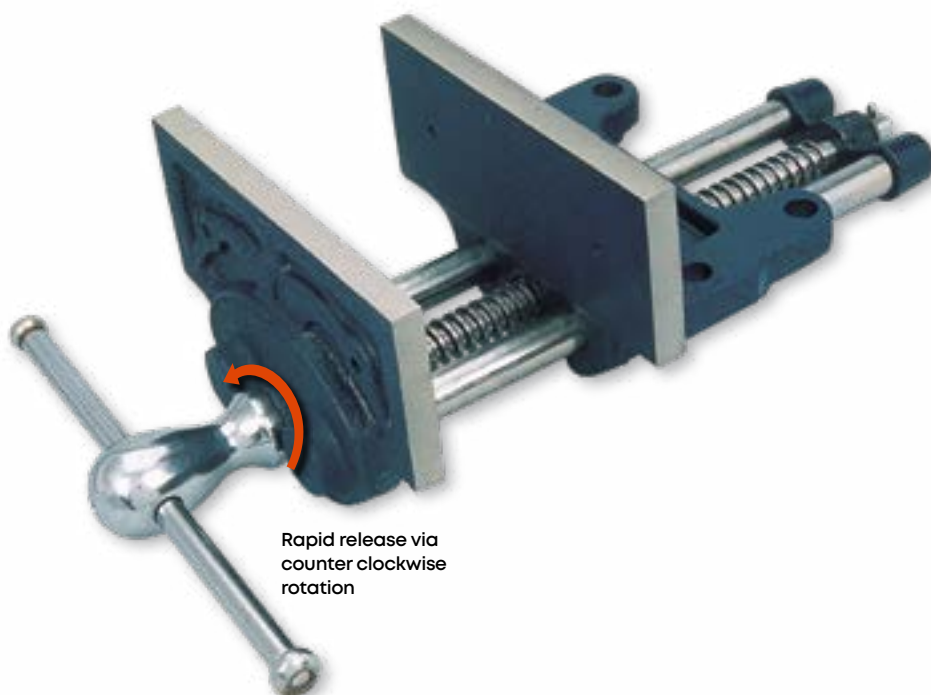
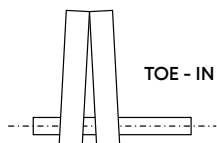
Rapid action mechanism which is unique and different from the conventional quick release mechanism

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



Rapid release via counter clockwise rotation

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)



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



88

Duo Bar Clamps

DBC

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)



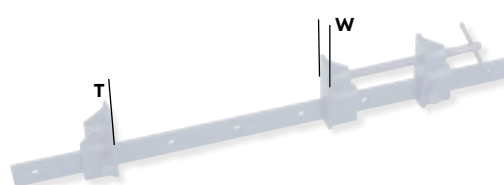
Internal Clamping

External Clamping

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)

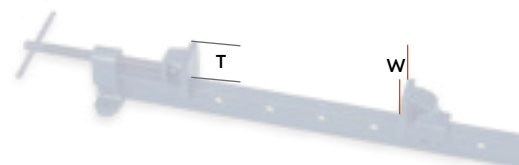
2-1/8" (54 mm)



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

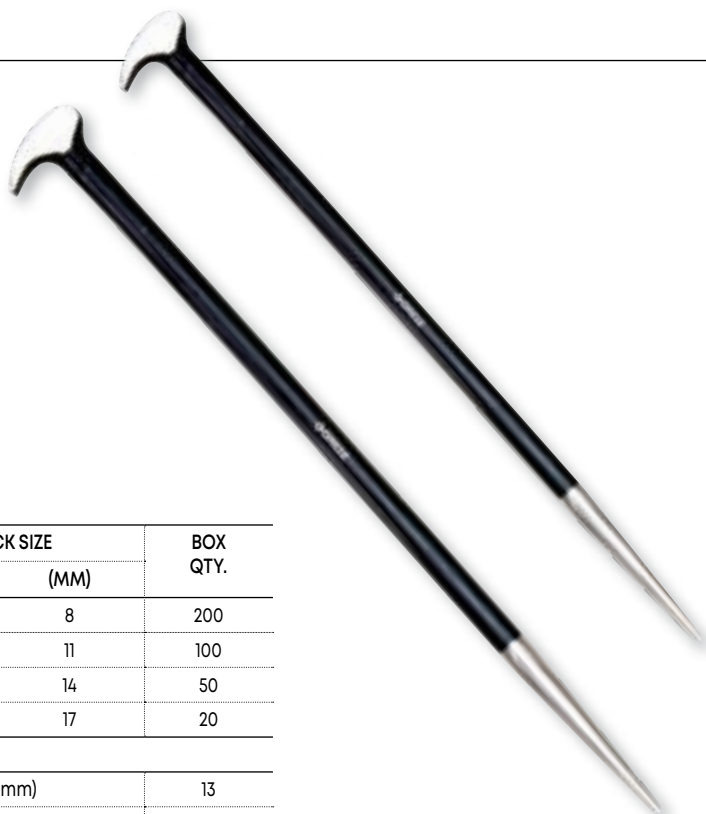
Roll Head/Lady Foot Pry Bars

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

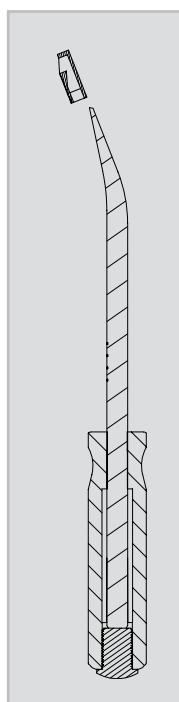
Hardened 38-43 HRC for increased resistance to wear

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

94

Cat/Aligning Bars

CAT

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.



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 |



SCAN TO
WATCH

96

Extended Reach Pin Punches

HPP

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

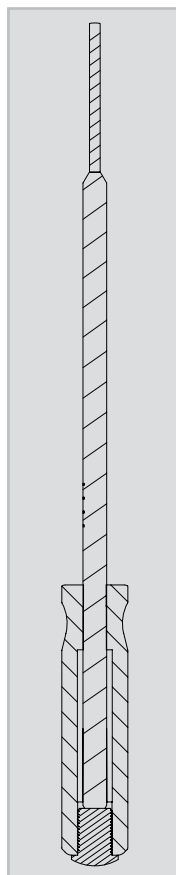
Metal striking cap allows hammering without any damage to the handle

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



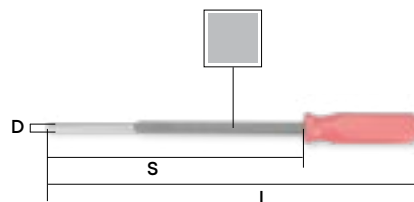
Metal Striking Cap



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

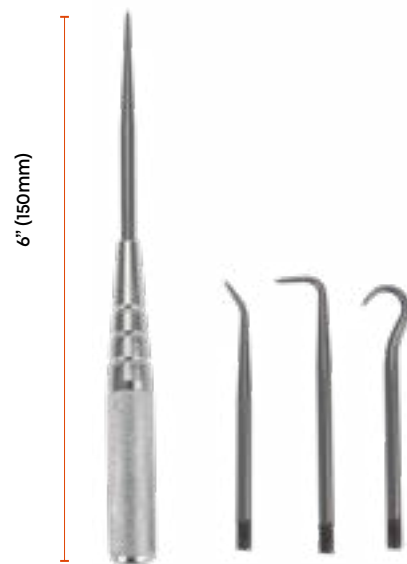
Shaft is manufactured from tool steel &
heat treated to withstand tough bends,
excessive torque & tool abuse

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!



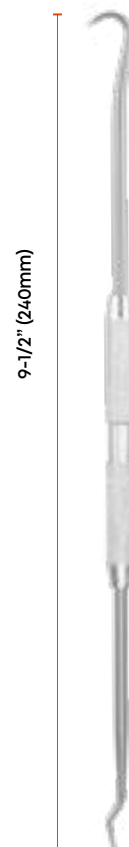
KIT/HKP/6L/ST

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



KIT/HKP/4L/ST

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



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:

- 2 Jaw models are useful for working in compact spaces
- 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 | BOX QTY. |
|------------|------------|---------------|------|-----------------|---------|----------------------|-------------|
| | | (INCH) | (MM) | (INCH) | (MM) | (TON) | |
| 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

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

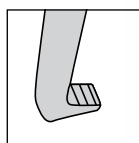
Easy Access: Slim profile of jaws
enables convenient access to
hard to reach bearings & gears

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

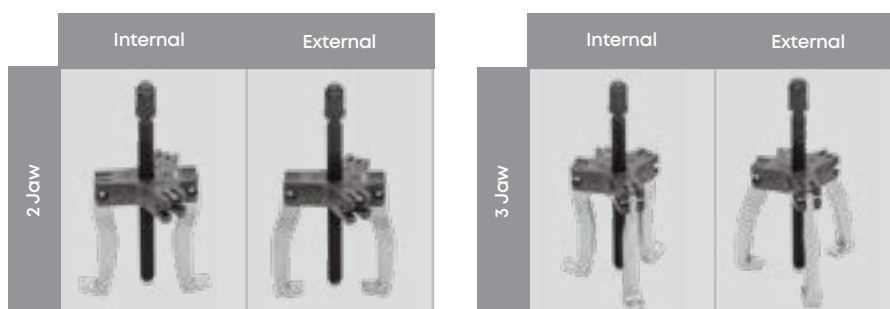
Used to pull out gears, pulleys,
bearing flanges & fly wheels,
shafts and housings



Anti slip Grip



- ✓ **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

Machined and polished ram

Convenient carrying handle

Pump socket

Compact 2 pc lifting lever rod

Pressure release valve

Leak proof welded construction

Load limiting device

Base Plate





VARIANTS



| | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| 2 TON | 4 TON | 12 TON |
|  |  |  |
| 20 TON | 32 TON | 50 TON |

ORDERING INFORMATION

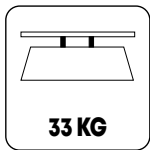
| CAT NR. | ORD NR. | LIFT RANGE | | CAPACITY | | IDEAL FOR USE WITH | BOX QTY. |
|---------------|---------|------------|--------------------|----------|-------|------------------------------------------------------------------------------|----------|
| | | (MM) | (INCH) | (TON) | (KG) | | |
| JACK/BT/2W | 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 | 27×13-1/2×6-1/8 | 682×344×155 | 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

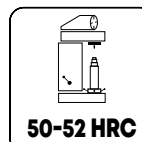
GROZ offers a wide range of hex key sets for use by mechanic's and technicians worldwide

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


S2
**DIN
896**
ALN/HX-BL/7L/GRZ
7 Hex Keys With Ball End -
Long - Metric

ORD NR. 36101

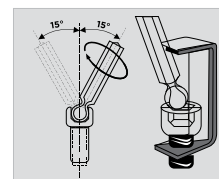
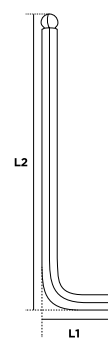
BOX QTY. 60

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

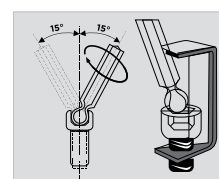
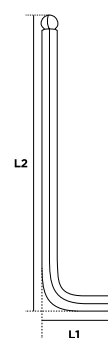
BOX QTY. 60

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

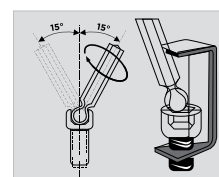
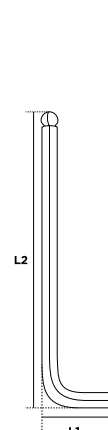
Chamfered hex end for convenience in usage

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 |

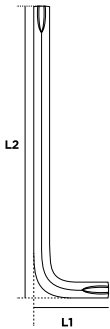


ALN/TX-TX/9L/GRZ
9 Torx Star Keys - Long
ORD NR. 36102
BOX QTY. 40

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

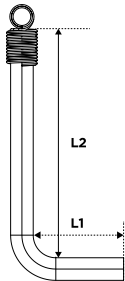
Hardness: 50-52 HRC



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



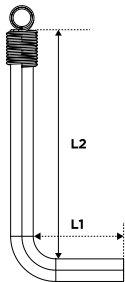
| HEX | L1 | L2 |
|------|------|------|
| (MM) | (MM) | (MM) |
| 1.5 | 14 | 45 |
| 2 | 15 | 48 |
| 2.5 | 16 | 51 |
| 3 | 18 | 56 |
| 4 | 21 | 64 |
| 5 | 24 | 70 |
| 5.5 | 26 | 75 |
| 6 | 27 | 81 |



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



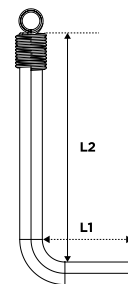
| HEX | L1 | L2 |
|--------|------|------|
| (MM) | (MM) | (MM) |
| 1.5 mm | 14 | 45 |
| 2 mm | 15 | 48 |
| 2.5 mm | 16 | 51 |
| 3 mm | 18 | 56 |
| 4 mm | 21 | 64 |
| 5 mm | 24 | 70 |
| 5.5 mm | 26 | 75 |
| 6 mm | 27 | 81 |
| 8 mm | 32 | 95 |
| 10 mm | 34 | 108 |



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



| HEX | L1 | L2 |
|--------|---------|---------|
| (INCH) | (INCH) | (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 |

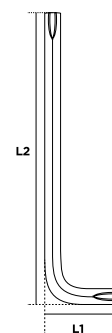


ALN/HX-HX/25/GRZ
25 Hexagonal Keys - Metric & SAE
ORD NR. 36130
BOX QTY. 15



| HEX | L1 | L2 |
|---------------|------|------|
| (MM) | (MM) | (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 | L1 | L2 |
|------------|---------|---------|
| (INCH) | (INCH) | (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 |

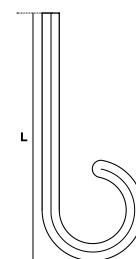


ALN/HX-HX/7/GRZ
7 Hexagonal Keys - Metric
ORD NR. 36120
BOX QTY. 50

Chamfered end
for convenience
in usage



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



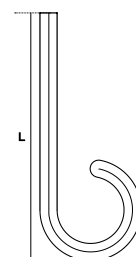
ALN/TX-TX/8/GRZ
8 Tamper Torx Star Keys
ORD NR. 36121
BOX QTY. 50

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

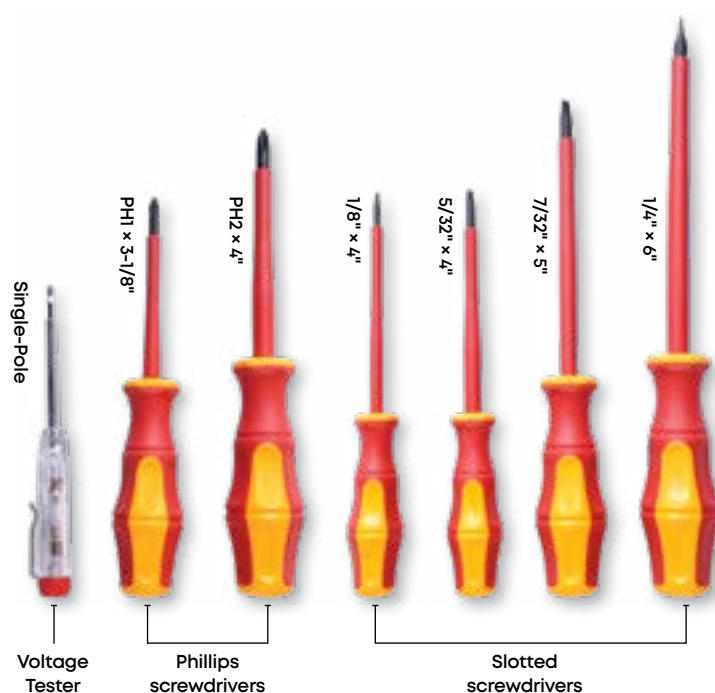
SET INCLUDES

| 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 | | | | |



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 |


SCDR/VDE/7/ST



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

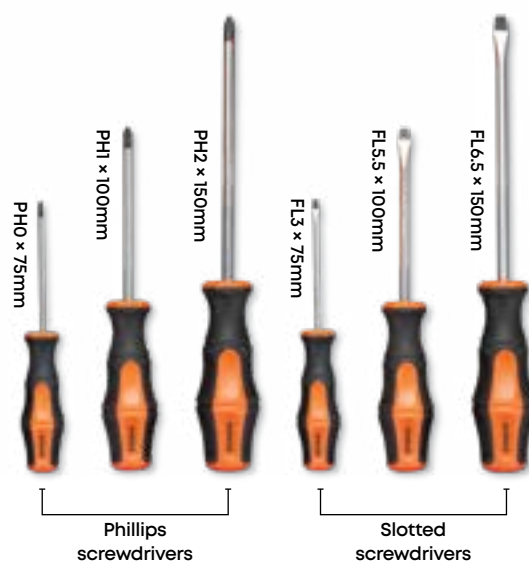
Multi-component injection moulded non-slip hexagonal grip helps in transmitting higher torque

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*

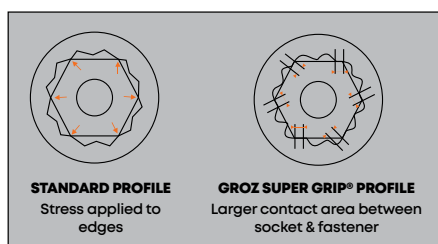
Ultra premium finish provides a scratch proof surface with enhanced protection against corrosion.

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 (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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 (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|------------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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

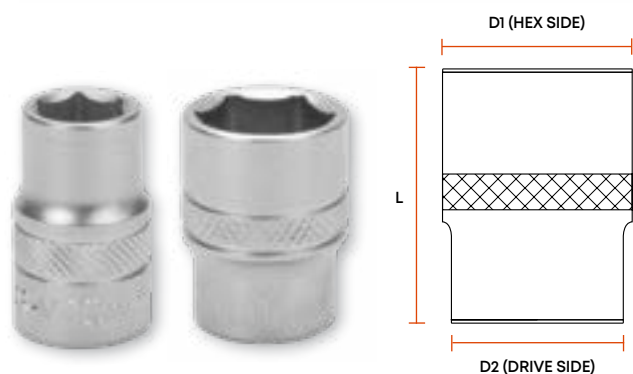
| | | | | | | |
|-----------------|-------|-----|----|-----|----|----|
| SKT/1-4/S4/UG | 40673 | 4 | 37 | 4 | 12 | 10 |
| SKT/1-4/S5.5/UG | 40674 | 5.5 | 37 | 5.5 | 12 | 10 |
| SKT/1-4/S7/UG | 40675 | 7 | 37 | 7 | 12 | 10 |

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 |



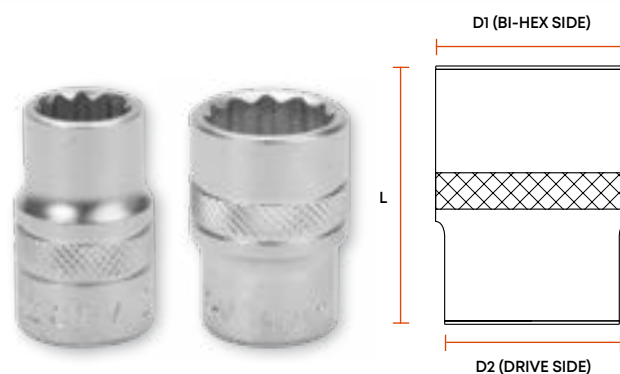
3/8" DRIVE




ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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



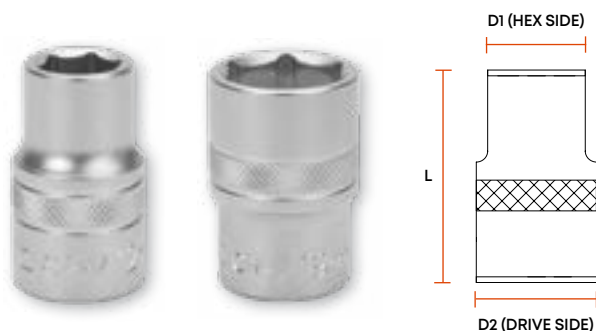
ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|-----------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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



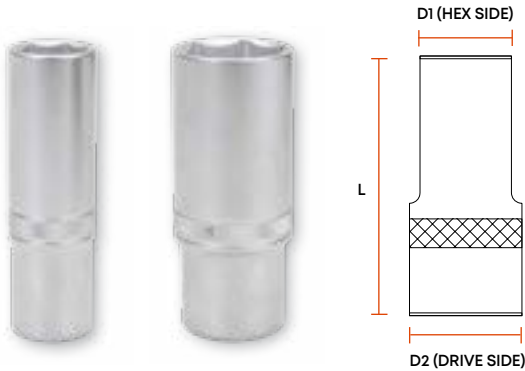
ORDERING INFORMATION

| 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

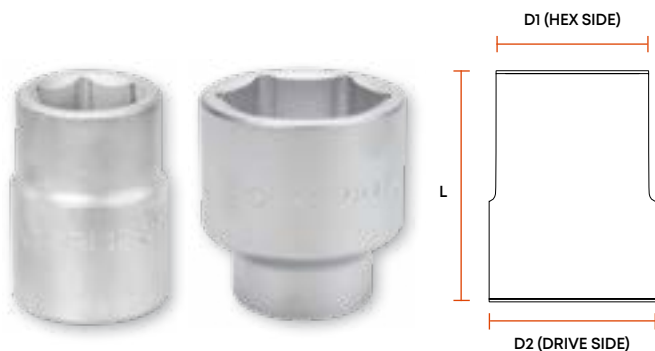


Professional Quality SOCKETS


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

Hand Sockets (continued)

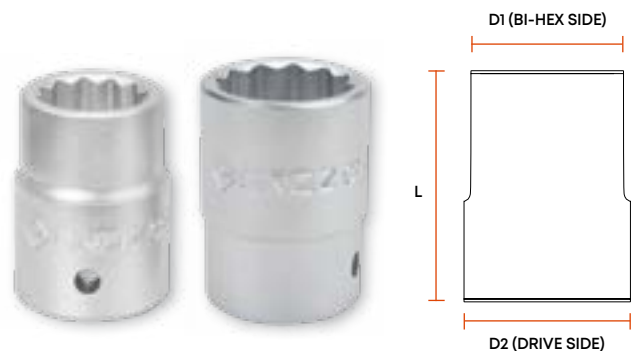
3/4" DRIVE




ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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

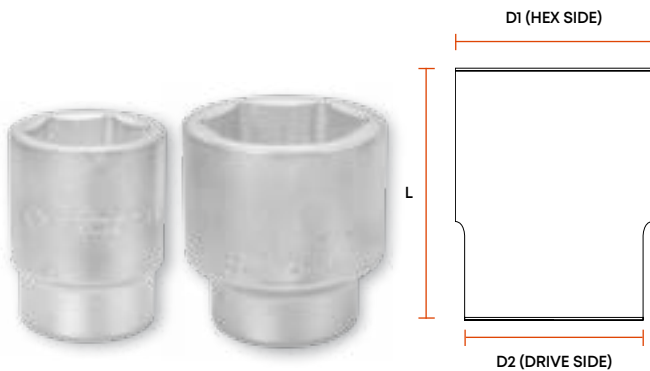
| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|-----------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| BI-HEX SOCKETS  | | | | | | |
| SKT/BH/3-4/22/MT | 40415 | 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






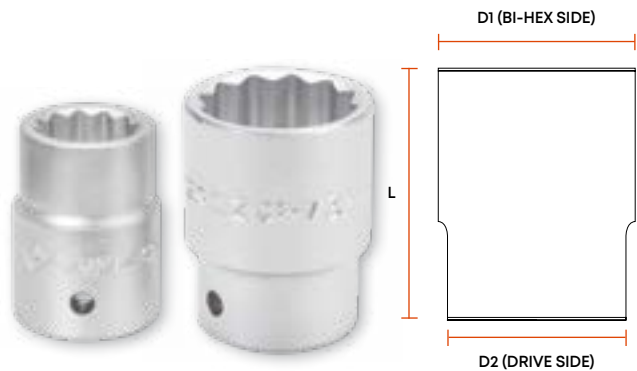
1" DRIVE




ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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 (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|-----------------------------------------------------------------------------------------------------|---------|-----------|--------|---------|---------|----------|
| 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

| 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

1/2" DRIVE



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



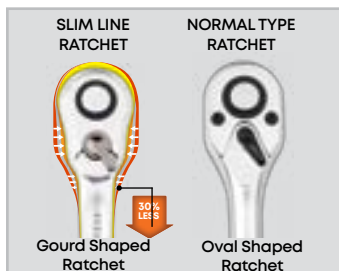
Chrome Vanadium Construction: Forged from high quality chrome vanadium steel, precisely hardened for increased durability

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

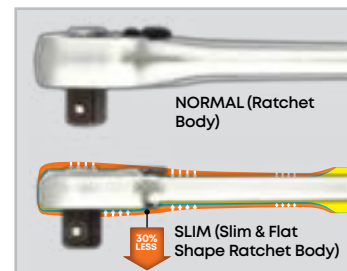


Slim Line Ratchet

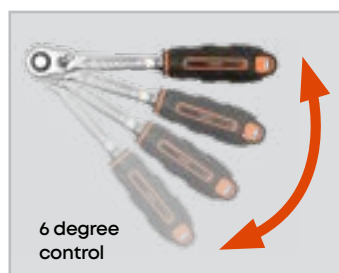
More than 9 Teeth Bite of Gear is designed to transfer extremely high torque and extend the service life

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



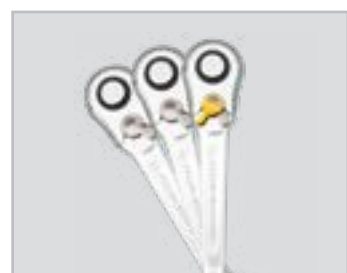
60 Teeth With 6 Degree Control

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 | LENGTH | | TORQUE | | BOX QTY. |
|---------------|---------|--------|--------|------|--------|---------|----------|
| | | (INCH) | (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

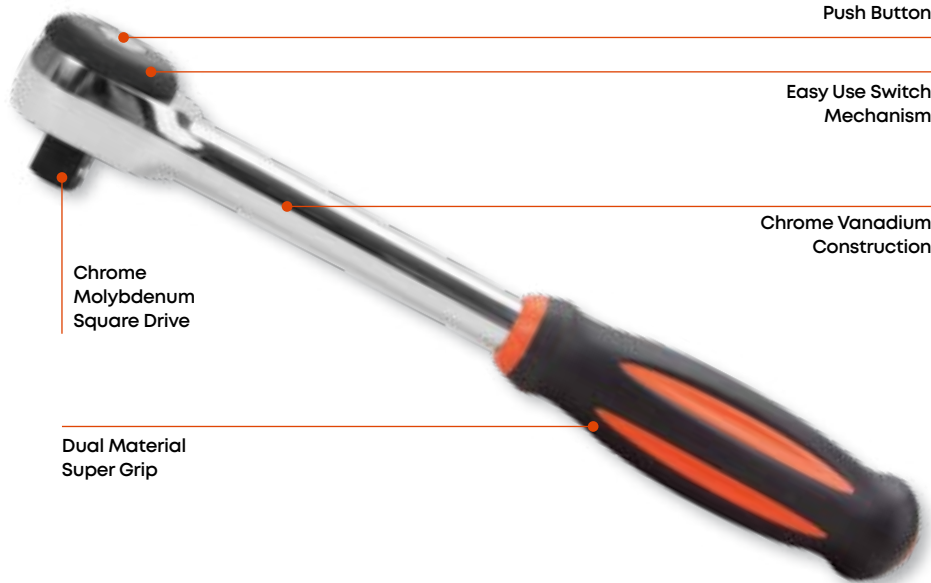
In 'Twist Action Mode' the drive turns in fixed direction irrespective of the way the handle is rotated

Easy to use switching mechanism for quick change of direction

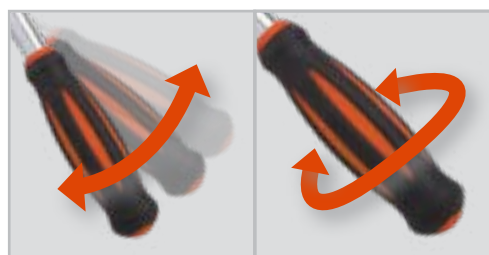
52 Teeth Gear Design

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 | LENGTH | | TORQUE | | BOX QTY. |
|---------------|---------|--------|----------|------|--------|---------|----------|
| | | (INCH) | (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**

117

Swivelling Gear 360° Ratchet Handle

RTD-360
43
CrMo

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

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

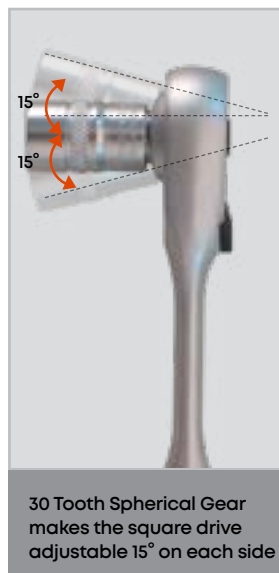
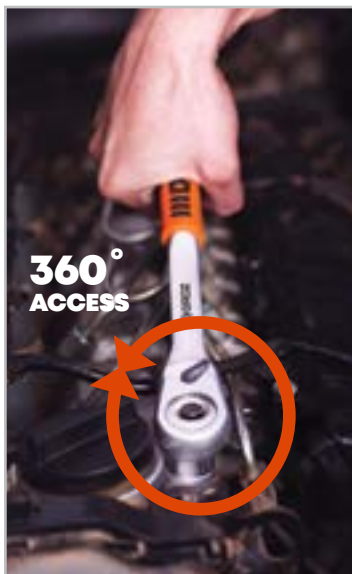
Low profile reversing lever design for quick, one hand operation

Compact
Head Design

Quick Release
Push Button

Reversible
Lever Switch

Ergonomic
Design Handle



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 | TORQUE | | BOX QTY. |
|-------------|---------|--------|--------|---------|----------|
| | | (INCH) | (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

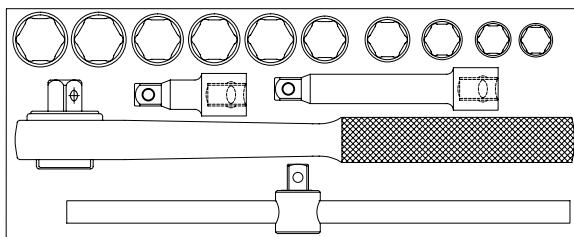
ORD NR. 40490

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

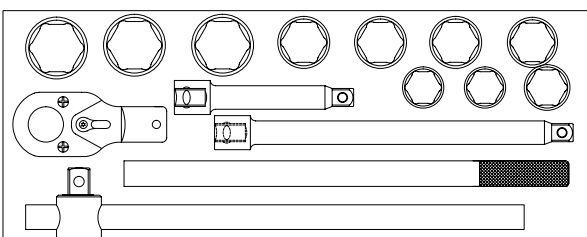
ORD NR. 40590

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

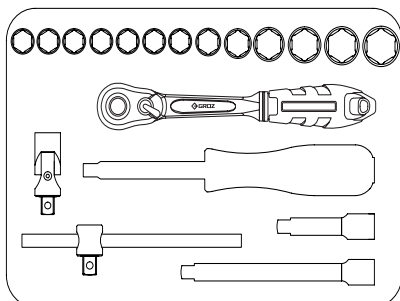
PIECE

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

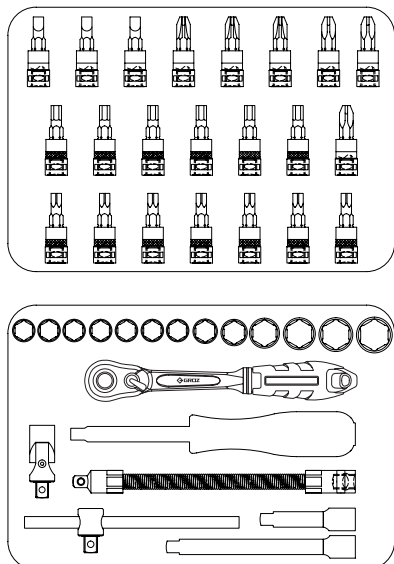
PIECE

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, 5.7 mm
3 pcs Philips Bit Sockets:
PH1, PH2, PH3
3 pcs Pozz 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

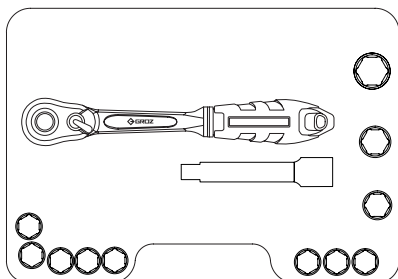
ORD NR. 40394

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

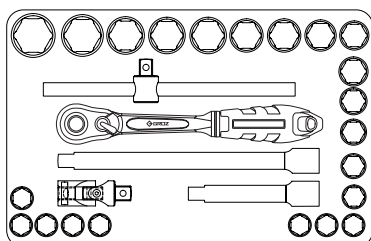
ORD NR. 40390

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



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



BI-HEX SOCKET SET KIT/SKT/BH/3-8/8L/UG

ORD NR. 40292
BOX QTY. 5

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/1-4/13L/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



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



BI-HEX SOCKET SET KIT/SKT/BH/3-8/9LH/UG

ORD NR. 40293
BOX QTY. 5

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



CrMo

38-55 HRC

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

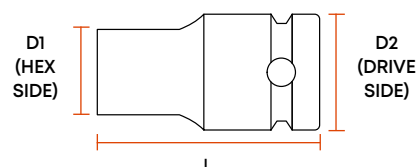
Marking & Branding

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

121

Impact Sockets Hex

1/2" DRIVE



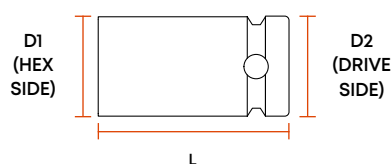
ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (MM) | L (MM) | D1 (MM) | D2 (MM) | BOX QTY. |
|--------------------|---------|-----------|--------|---------|---------|----------|
| 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 |

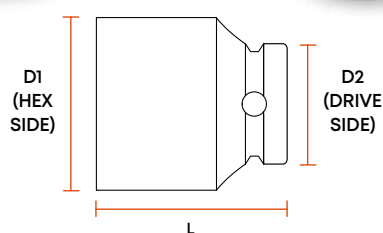
★ Best Seller




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 |

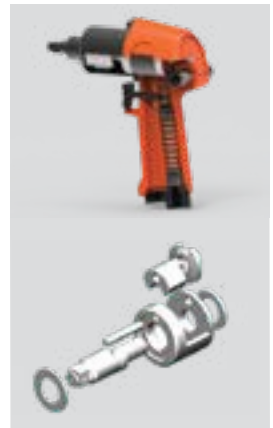
HEX SOCKETS - DEEP

| | | | | | | |
|----------------|-------|----|----|----|----|---|
| 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

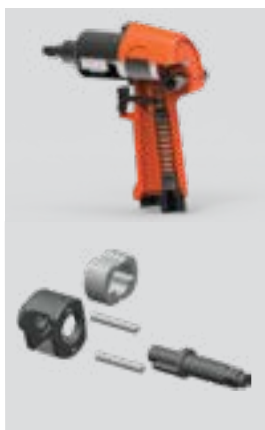


Ideal for optimum
power transmission
and constant torque
output

07

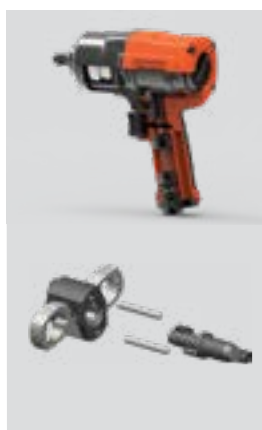
IMPACT & RATCHET WRENCHES

JUMBO HAMMER MECHANISM



Simplest technology which produces high torque instantly for tough applications

TWIN HAMMER MECHANISM



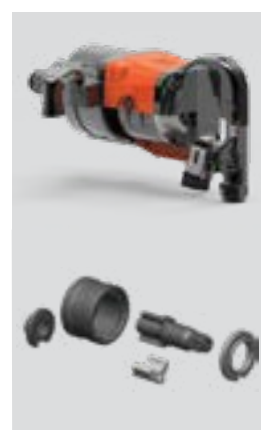
Balanced & powerful mechanism comprising of two fully forged hammers that work alternatively. With lower air consumption & low reaction force the system builds up torque smoothly, to its maximum level

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



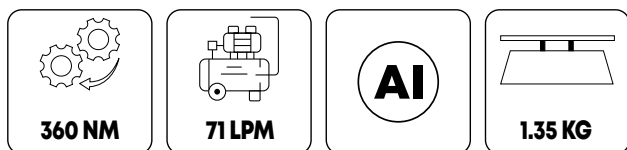
STRAIGHT D-HANDLE TYPE



WATCH VIDEO

122

3/8" Impact Wrench

IPW-201


Robust & durable aluminium housing

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

Ideal for use in

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

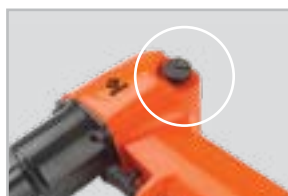
SPECIFICATIONS

| | | |
|----------------------|------------|-----------|
| *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

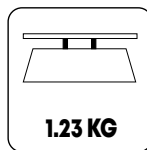
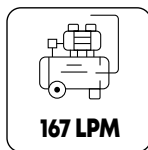
Directs air away from the job & operator, ensuring safety

ORDERING INFORMATION

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

123

3/8" Impact Wrench

IPW-202


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

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

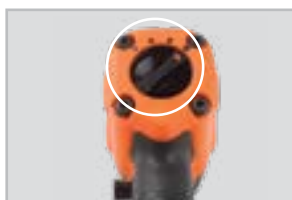
SPECIFICATIONS

| | | |
|----------------------|------------|-----------|
| *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

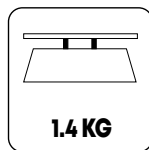
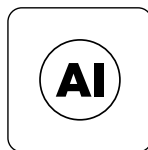
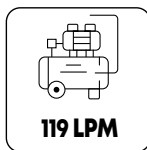
Directs air away from the job & operator, ensuring safety

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

- General automotive repair & service center for passenger vehicles
- MRO jobs in railways
- Repair & maintenance of gear units & boxes
- 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 | |

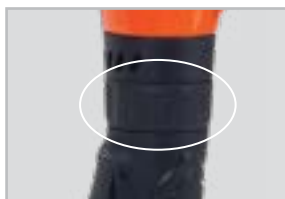


Jumbo Hammer Impact Mechanism

Instant high torque output for tough applications



360° Swivelling Exhaust

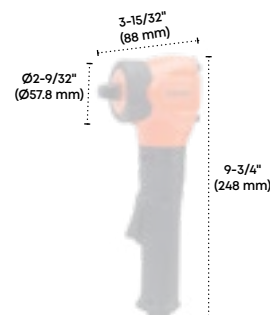


3 Speed Position Control

Adjust tool speed in forward directions. Full power in reverse



SCAN TO WATCH

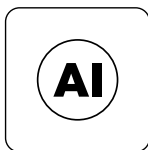
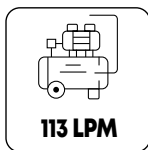


ORDERING INFORMATION

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

125

1/2" Impact Wrench

IPW-301


Robust & durable aluminium housing

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

Ideal for use in

- Maintenance & repair of
 - Passenger cars
 - Roadways
 - Gear units & boxes
 - Printers press machines
- 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

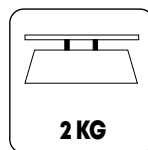
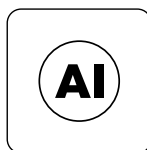
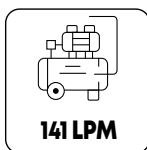
Adjust tool speed both in forward & reverse directions

ORDERING INFORMATION

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

126

1/2" Impact Wrench

IPW-302

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



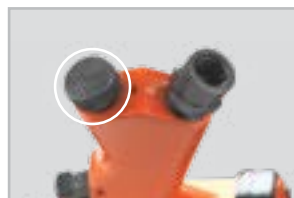
SPECIFICATIONS

| | | |
|----------------------|-----------|-----------|
| *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 | |



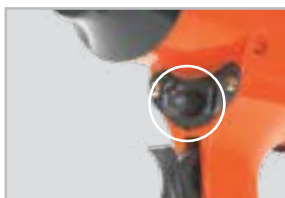
Rocking Dog Impact Mechanism

Optimum power transmission and constant torque output



4 Speed Position Control

Adjust tool speed in forward direction. Full speed in reverse



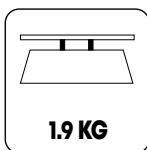
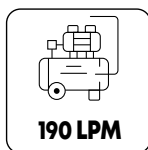
Front Handle Exhaust

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


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

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

SPECIFICATIONS

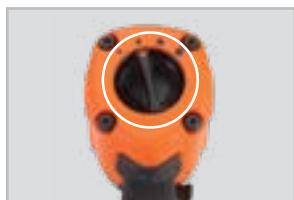
| | | |
|----------------------|-----------|------------|
| *MAX TORQUE *@15 SEC | 1492 NM | 1100 FT-LB |
| FREE SPEED | 8,500 RPM | |
| AVR. AIR CONSUMPTION | 190 LPM | 6.7 CFM |
| AIR INLET SIZE | 1/4 INCH | |
| AIR HOSE I.D. | 3/8 INCH | |
| NET WEIGHT | 1.9 KG | 4.19 LB |
| NUT CAPACITY (MAX) | M19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



One hand F/R control



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



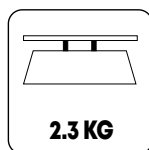
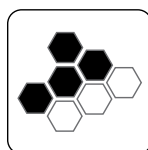
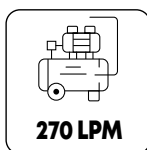
Rear Handle Exhaust With Muffler
Directs air away from the job & operator, ensuring safety

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

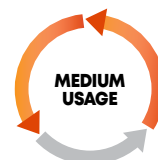
Ideal for professionals who want the perfect blend of optimum performance & comfort of use

Ideal for use in

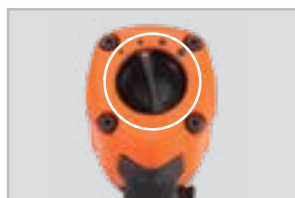
- General automotive repair & service center for passenger vehicles
- Assembly lines for 4 wheeler & LCV's
- MRO jobs in railways
- Repair & maintenance of gear units & boxes
- Repair & maintenance of printing press machines
- Repair of white goods (fans, washing machines etc.)

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



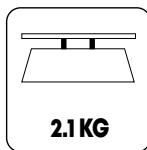
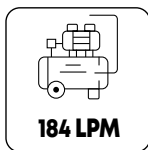
Rear Exhaust With Muffler
Directs air away from the job & operator, ensuring safety

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

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

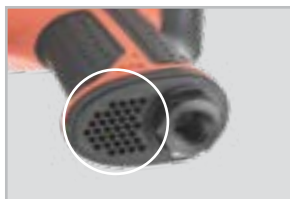
| | | |
|----------------------|-----------|-----------|
| *MAX TORQUE *@15 SEC | 1200 NM | 885 FT-LB |
| FREE SPEED | 7,500 RPM | |
| AVR. AIR CONSUMPTION | 184 LPM | 6.5 CFM |
| AIR INLET SIZE | 1/4 INCH | |
| AIR HOSE I.D. | 3/8 INCH | |
| NET WEIGHT | 2.1 KG | 4.62 LB |
| NUT CAPACITY (MAX) | M16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



Twin Hammer Impact Mechanism
For balanced blows



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



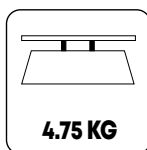
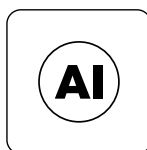
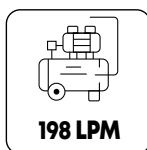
Rear Handle Exhaust With Muffler
Reduces noise & directs air away from the working area, ensuring safety

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

- Tyre & engine assembly on trucks, buses, tractors etc.
- MRO jobs in oil & gas industry
- Assembly work for diesel & gas engines
- 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


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

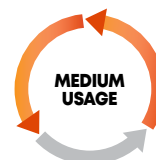
Most popular, value priced professional impact wrench with the benefits of composite body combined with Improved Twin Hammer mechanism

Ideal for use in

- Tyre & engine assembly on trucks, buses, tractors etc.
- MRO jobs in oil & gas industry
- Assembly work for diesel & gas engines
- 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 | |



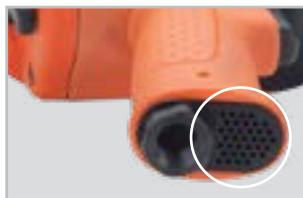
Improved Twin Hammer Mechanism

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

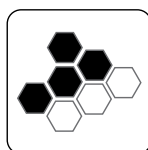
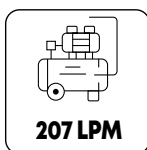
Directs air away from the job & operator, ensuring safety

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! 

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

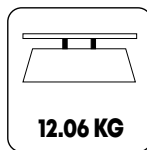
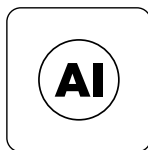
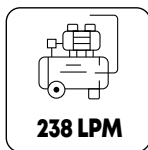
Directs air away from the job & operator, ensuring safety

ORDERING INFORMATION

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

133

1" Impact Wrench D Style

IPW-501


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

- Truck garages, construction & mining equipment
- 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 | 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



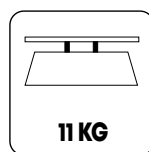
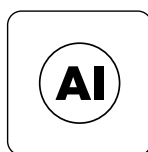
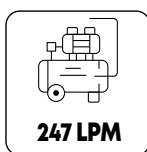
3 speed position power control
Adjust tools speed both in forward & reverse direction

ORDERING INFORMATION

| CAT NR. | ORD NR. | OVERALL LENGTH | | BOX QTY. |
|---------|---------|----------------|------|----------|
| | | (INCH) | (MM) | |
| IPW/501 | 61940 | 20.3 | 515 | 1 |

134

1" Impact Wrench D Style

IPW-502


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



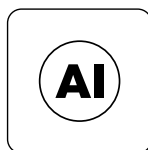
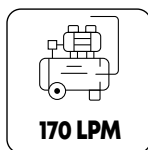
3 speed position control



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 |

A close-up photograph of a male mechanic with a beard and safety glasses, wearing a dark grey shirt, working on a car engine. He is using a long-handled torque wrench to tighten a bolt on the engine block. The engine is a complex assembly of metal parts, including valves, springs, and various hoses. The background is dark and out of focus, suggesting a workshop environment. The overall tone is professional and technical.

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

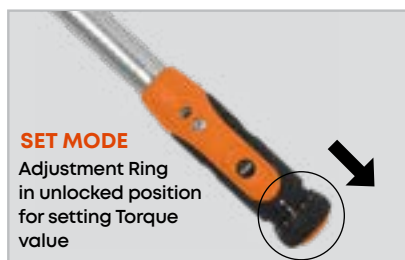
Lightweight with a comfort grip handle & lens for clear reading of the set value

Accurate to ± 4% of reading

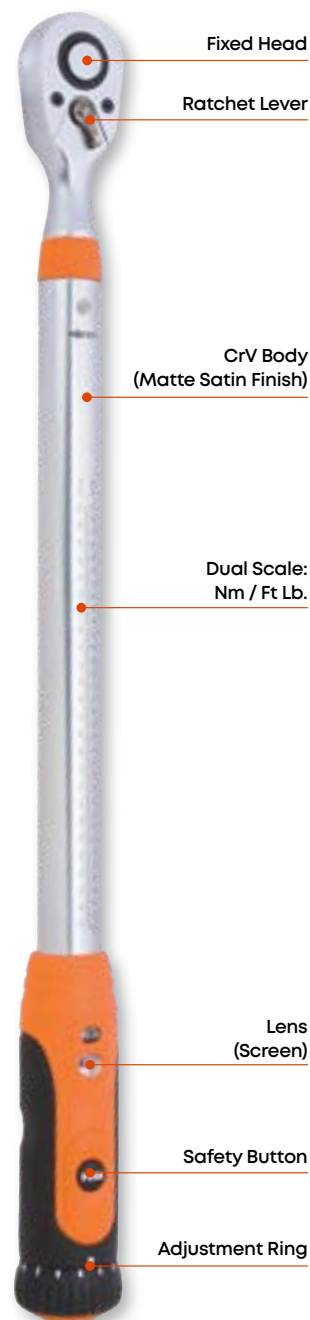
Each unit is individually serial numbered & includes calibration certificate traceable to International Standards Institute

Fully serviceable, repair kits available as spare

Ft-lb models can be custom manufactured



D10



ORDERING INFORMATION

| CAT NR. | ORD NR. | SQUARE DRIVE | TORQUE RANGE | FINE SCALE | OVERALL LENGTH | | NET WT. | BOX QTY. |
|-----------------|---------|---------------------------------------------------------------|--------------|------------|----------------|------|---------|----------|
| | | (INCH) | (NM) | (NM) | (INCH) | (MM) | (KGS) | |
| 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: $\pm 2\%$ CW, $\pm 3\%$ CCW

Angle accuracy: $\pm 2^\circ$

GROZ offers 3 types of Digital Torque Wrenches

- STANDARD SERIES
- PRO SERIES
- 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 (MM) | DRIVE (INCH) | FOR USE WITH | BOX QTY. |
|------------------|---------|-----------|--------------|-----------------------------------------------------|----------|
| 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 | TORQUE RANGE | | OVERALL LENGTH | | NET WT. | BOX QTY. |
|-----------------|------------|-----------------|-----------------|---------|-------------------|------|------------|-------------|
| | | (INCH) | (NM) | (LB-FT) | (INCH) | (MM) | (KG) | |
| 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



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

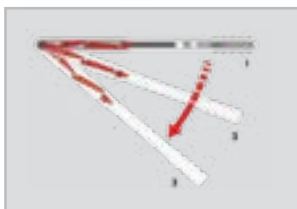
Complete with extension bar*
(*only with 1" drive model)
for added leverage

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 | TORQUE RANGE | | GRADUATION | OVERALL LENGTH | | NET WT. | BOX QTY. |
|-----------------|----------|----------|--------------|----------|------------|----------------|------|---------|----------|
| | | (INCH) | (NM) | (LB-FT) | | (INCH) | (MM) | (KG) | |
| 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

ORDERING INFORMATION

| CAT NR. | ORD NR. | BOX QTY. |
|---------------|---------|----------|
| TQA/D/200/100 | 38890 | 20 |

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 |



SCAN TO
WATCH

Heavy duty torque multiplier provides mechanical advantage in applying high torque to tighten nuts & bolts

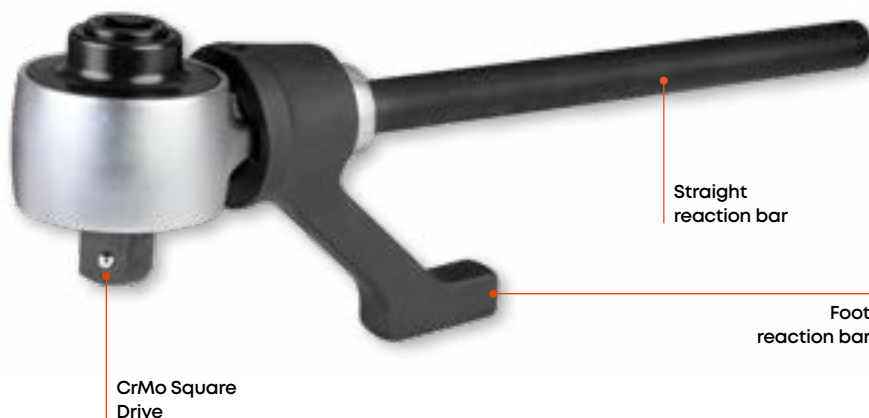
Chrome Vanadium body with Chrome Molybdenum square drive & Chrome Molybdenum reaction bar

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



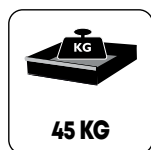
Straight reaction bar for obstacles at distance





09

**TOOL
STORAGE**


45 KG

450 KG

Manufactured from heavy gauge steel sheet

Rugged double wall construction for enhanced durability

Corrosion resistant powder coated finish

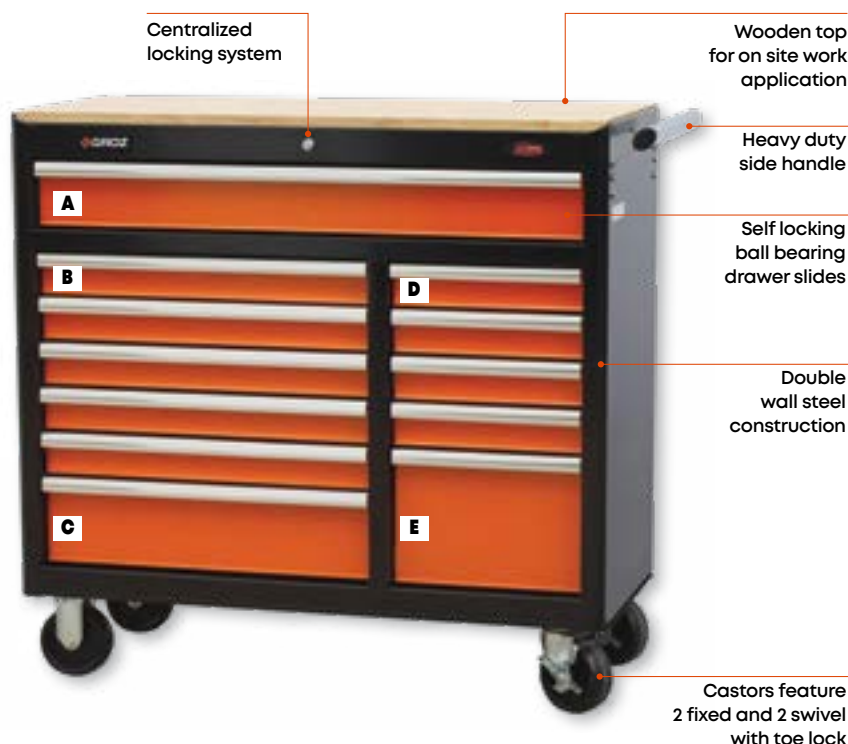
Drawers with ball bearing slides for 100% opening

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 |

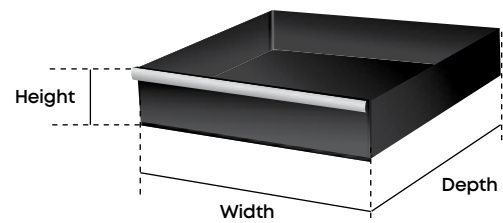
ORDERING INFORMATION

| 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**

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 |



143

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 | 6×8, 10×11, 13×14, 15×17, 19×21 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 | 3×75, 4×100, 4×100, 6.5×38, 6.5×100, 6.5×150, 8.0×150 mm |  |
| | 4 pcs | Philips Screwdriver | PH1×75, PH2×100, PH2×38, PH3×150 | |
| | 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


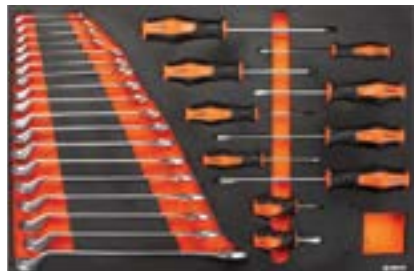
65 Piece Automotive Tool Kit comes in a 7 Drawer Portable Workstation (MTB/7)

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 | Philips 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

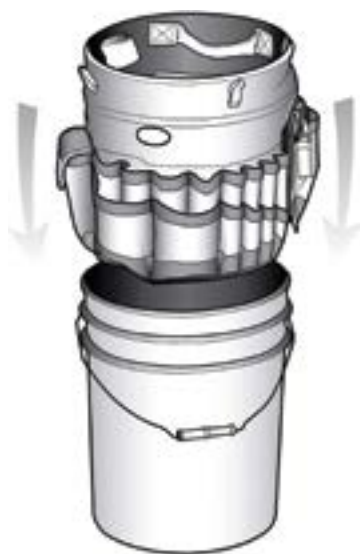
Designed with deep pockets for convenient storage of tools with longer length & height

30 Pockets

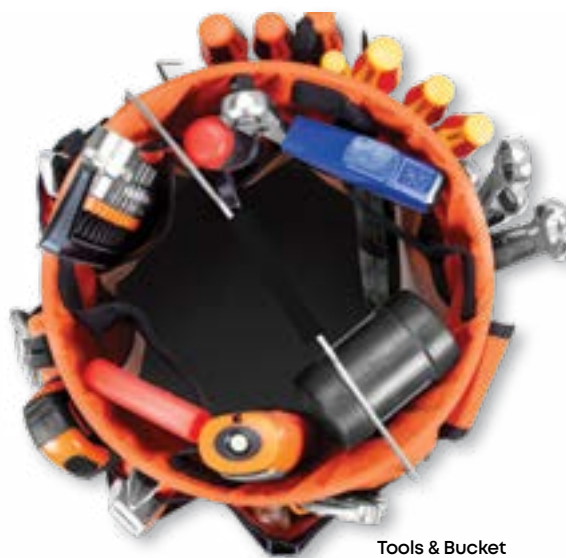
- 12 Small and 18 Large, with 22 Exterior and 8 Interior Pockets
- Additional 3 Interior Loops for holding hammers, pry bars and drills

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



SCAN TO
WATCH

SPECIFICATIONS

| | | |
|--------------------------|-------|---------|
| LOAD BEARING CAPACITY | 50 KG | 110 LBS |
|--------------------------|-------|---------|



50 KG

| 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 |

*Tools not
included



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 |
|-----------------------|-------|--------|

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 |

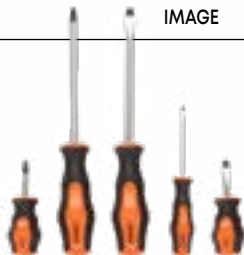





Comprehensive Mechanic's Tool Kit comes in an Aluminium Tool Box (MTB/5/AL)

Ideal for general purpose repair use in automotive workshops, garages & service centres

Size of Tool Box:

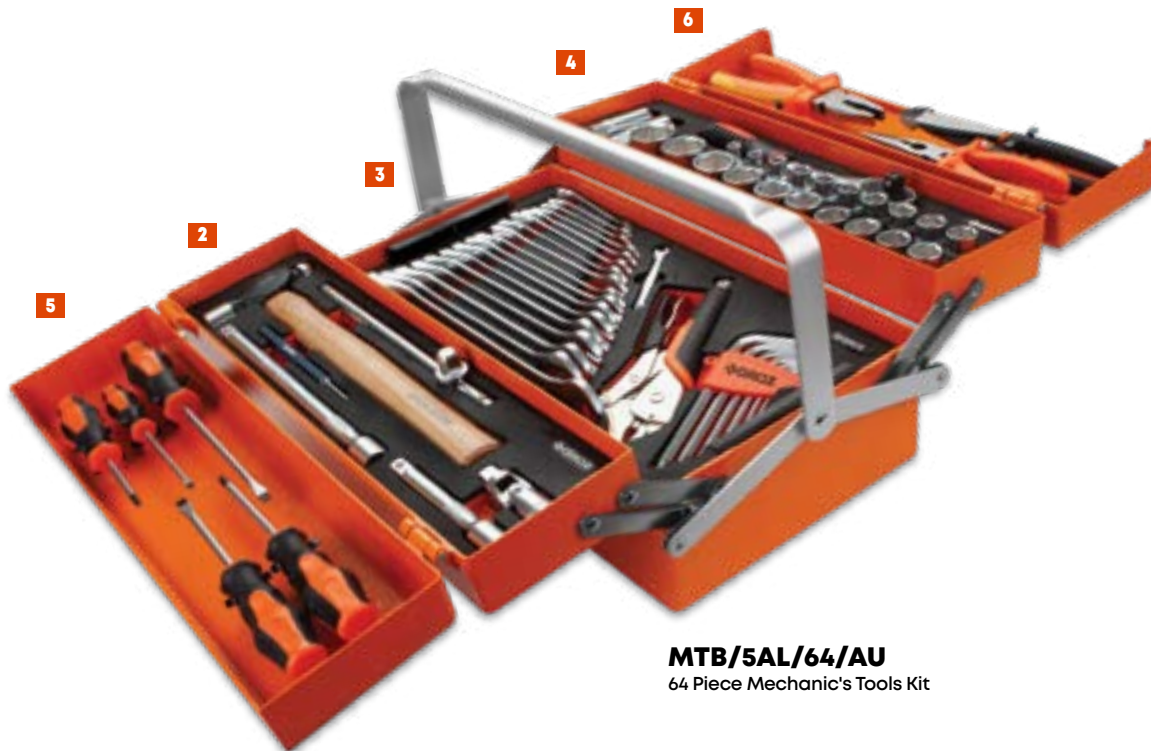
18.1" x 9.45" x 8.66"
(460 x 240 x 220 mm)

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 × 7, 8 × 9, 10 × 11, 12 × 13, 14 × 15, 16 × 17, 18 × 19, 20 × 22, 21 × 23, 24 × 27, 25 × 28, 30 × 32 |
| 12 pcs | Ring Spanner Set | 6 × 7, 8 × 9, 10 × 11, 12 × 13, 14 × 15, 16 × 17, 18 × 19, 20 × 22, 21 × 23, 24 × 27, 25 × 28, 30 × 32 |
| 4 pcs | Pin Punch Set | 1.5, 2.5, 3, 4 mm |
| 2 pcs | Flat Screwdriver | 6.5 × 125 mm; 8 × 150 mm |
| 2 pcs | Philips Screwdriver | 1 × 80 mm; 2 × 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 × 3/4 M, 1/2 F × 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 x 100 mm, FL6 x 100 mm, FL8 x 150 mm, PH1 x 75 mm, PH2 x 100 mm, PH3 x 150 mm | |

SPANNERS & WRENCHES





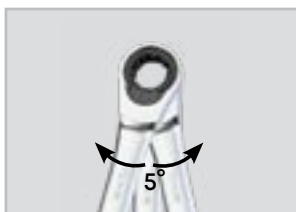
Ratcheting ring feature allows increased working speed, eliminating the need to remove the spanner from the fastener after each turn

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

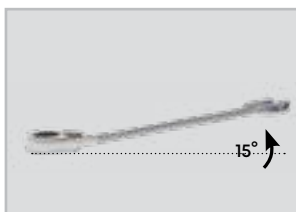
Chrome plated for corrosion protection with ultra premium finish for scratch proof surface



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

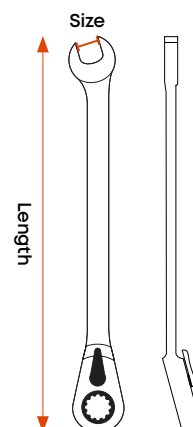
72 Teeth Ratchet

Bi-hex profile:
Grips the fastener better

ORDERING INFORMATION

| CAT NR. | ORD. NR | SIZE | LENGTH | | WEIGHT | BOX QTY. |
|-----------------|---------|----------------------------------------|-----------|------|--------|----------|
| | | (MM) | (INCH) | (MM) | (GMS) | |
| * 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

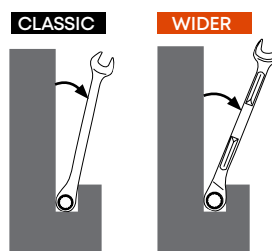
15% longer than traditional ratcheting wrenches, giving the user more leverage with less effort

Ratcheting ring feature allows increased working speed, eliminating the need to remove the wrench from the fastener after each turn

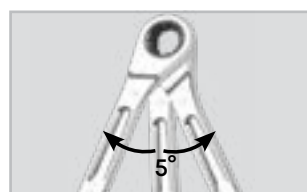
Fine gear tooth design makes the Ratcheting Wrench suitable for working in tight and hard to access areas where a ratchet and socket will not fit

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



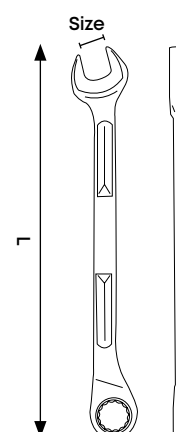
72 Teeth with 5 degree action arc:
for smooth movement

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. |
|----------------|---------|-----------------------------------------------------------------|------------------|---------|-------------|------------|----------|----------|
| METRIC SIZES | | | IMPERIAL SIZES | | | (MM) | (INCH) | |
| 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 |





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

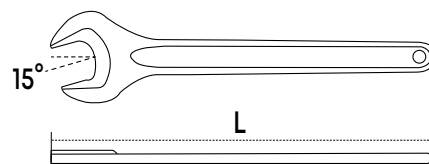
NEW!
DIN 894

For material, hardness
& performance


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

159

Telescopic Wheel Wrench

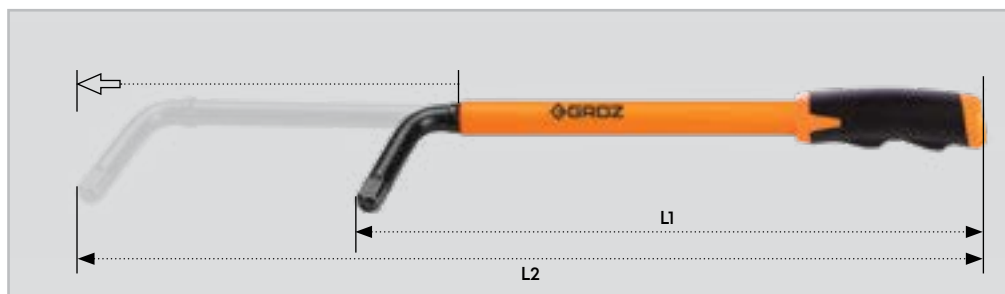
WW-TP

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

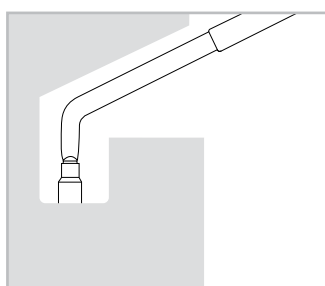
Comes with two 1/2" square drive dual side sockets; 17x19 mm & 19x23 mm to cover almost every automotive application



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



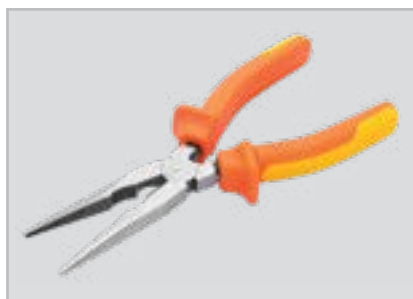
VARIANTS

Combination Pliers



Most suitable for gripping, bending, straightening, crushing, pulling, stripping insulation, cutting wires etc.

Long Nose Pliers

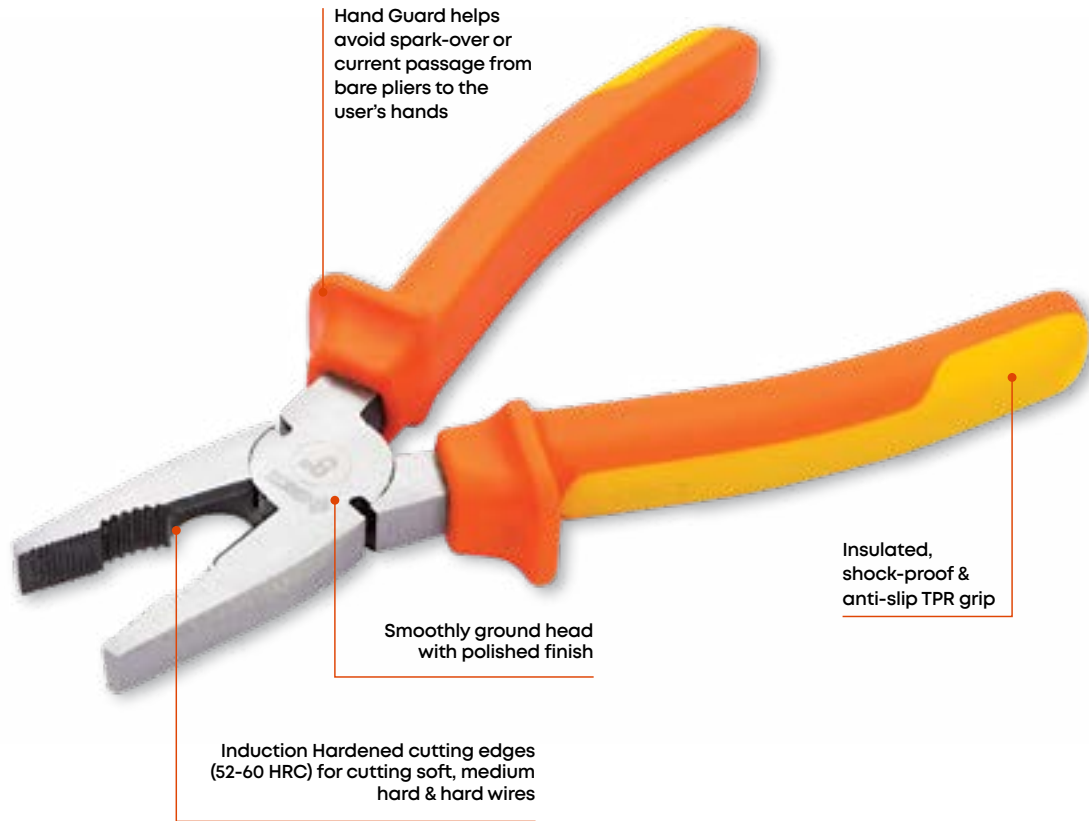


Most suitable for cutting & gripping wires

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.



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 pawl 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



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

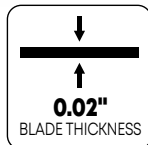
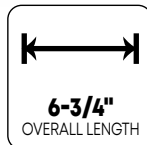
| | | | |
|---------------------------|-----------------|-------------|--------|
| KNV/R/6 (Regular) | OVERALL LENGTH | 6-3/4 INCH | 170 MM |
| | BLADE THICKNESS | 0.02 INCH | 0.6 MM |
| KNV/R/3 (Mini) | OVERALL LENGTH | 1-7/64 INCH | 28 MM |
| | BLADE THICKNESS | 0.02 INCH | 0.6MM |
| KNV/R/7 (Professional) | 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



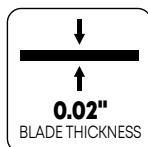
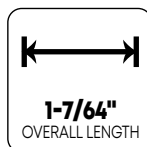
When blunt, simply pull out blade, invert it & re-install

KNV/R/3

(Mini)



In-built storage compartment that can store up to 6 spare blades (included) gives convenient access to new blades



Quick release button to slide out used blade



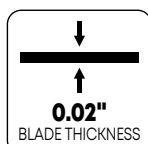
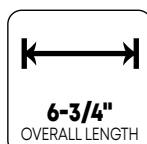
Storage compartment for storing 6 spare blades

KNV/R/7

(Professional)



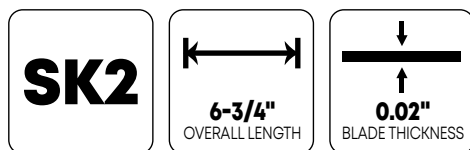
Easy access slider blade storage holds up to 5 blades for fast and easy blade change



SCAN TO
WATCH

172

Retractable Utility Knife

KNV-5
KNV-10


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

SK2

↕ — ↕

45/64"

BLADE WIDTH



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

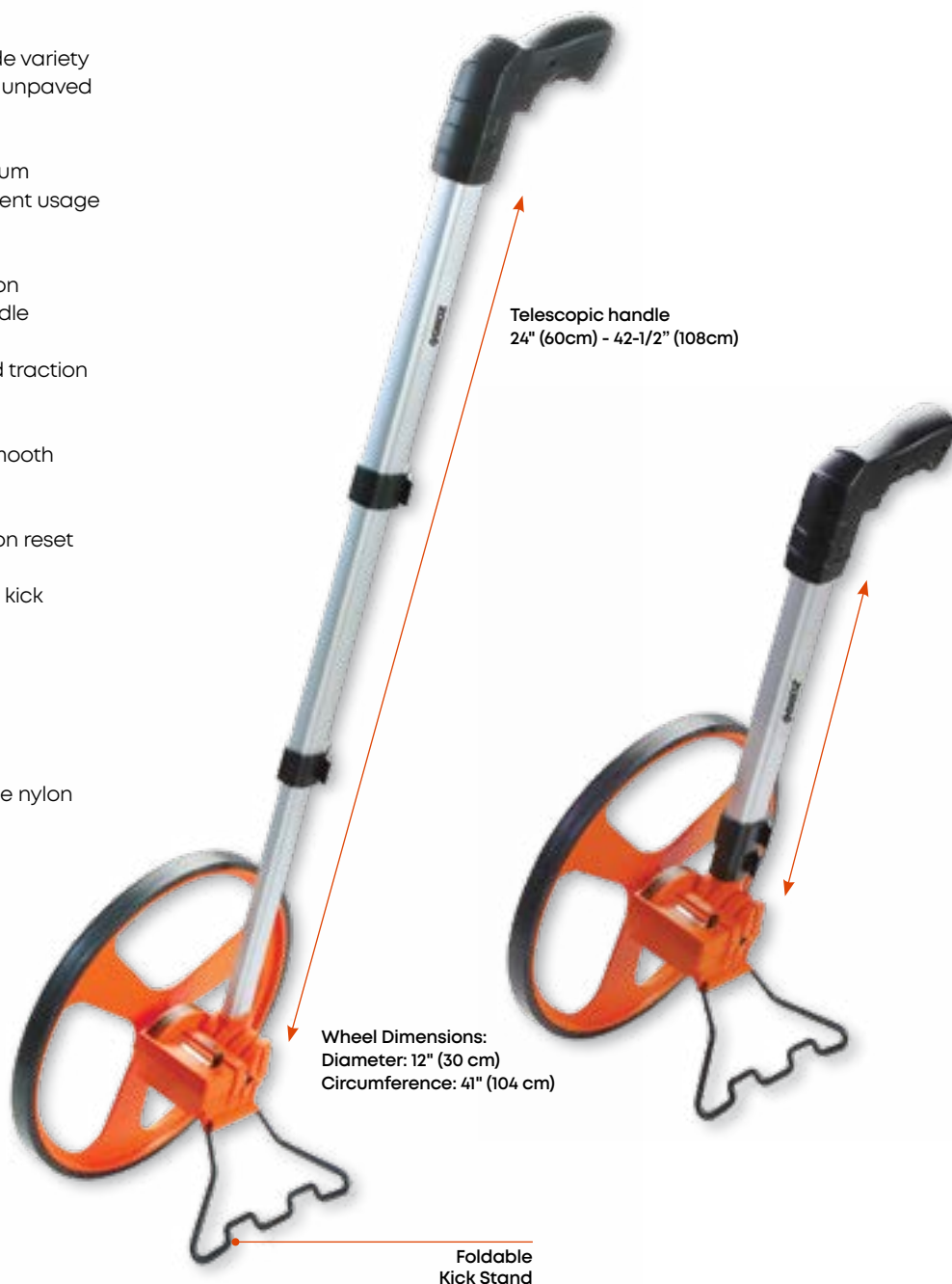
Single counter with push button reset

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/I/M | 01360 | 12 | 30 | Upto 9999.9 meter | 6 |
| MWL/I/F | 01361 | 12 | 30 | Upto 9999.9 feet | 6 |



Calipers are designed for transfer measurements or for comparing external and internal measurements

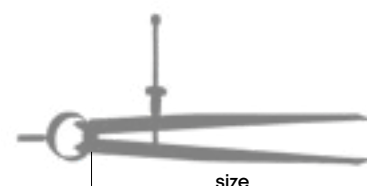
Dividers are used for marking on steel or for transferring measurements from master templates

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 |

176

Craftsmen's Spring Calipers & Dividers

ID-SP

OD-SP

DD-SP

Amongst the finest calipers and dividers these are especially useful for the discerning craftsmen

Made from high grade steel

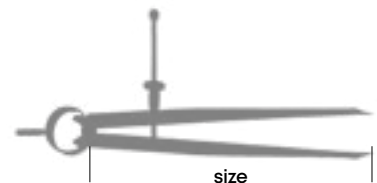
Legs machined to a smooth taper

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

178

Graduated Steel Squares

SS-G

General purpose steel squares with deep etched graduations

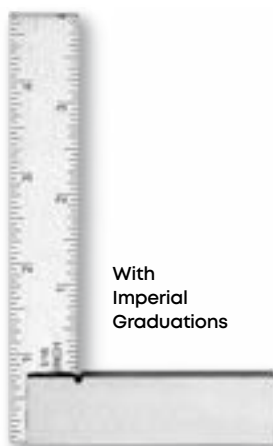
Graduated blade is accurately hardened

Blade and stock are perfectly ground which ensures straightness and parallelism

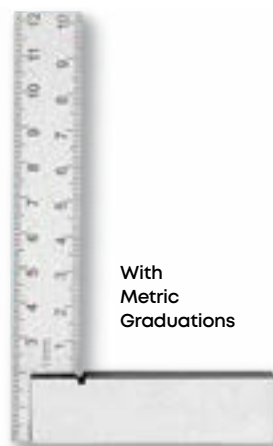
Ideal choice for setting up machinery like table saw blades, jointer knives and fences

Available in two types:

- With imperial graduations on both inside and outside edge of the blade
- With metric graduations on both inside and outside edge of the blade



With
Imperial
Graduations



With
Metric
Graduations



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 |

179

Precision Pencil Compass

PPC

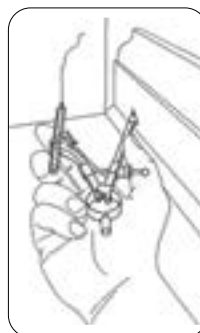
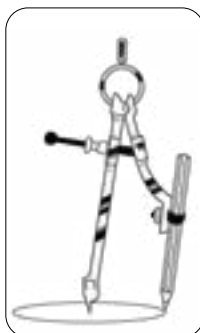
Finest quality carpenter's compass

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

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

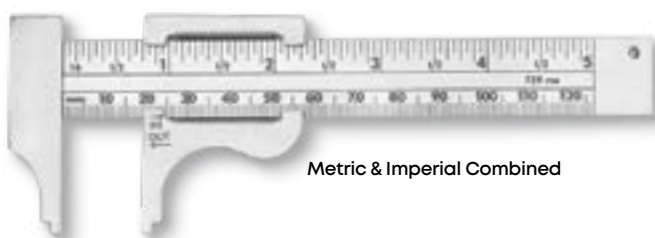
Available in two types:

a. Imperial

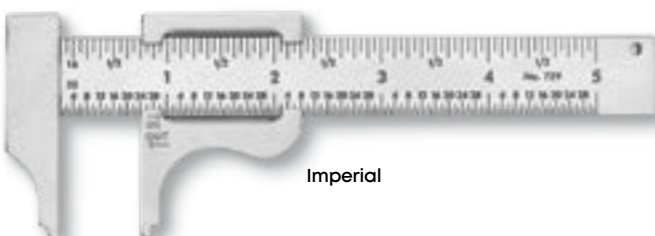
Graduated in Inches in 16ths & 32nds

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 |

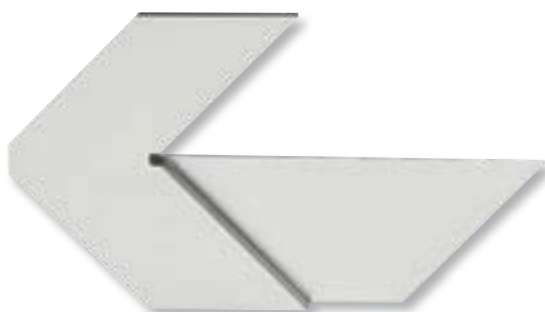
185

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



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

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

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

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

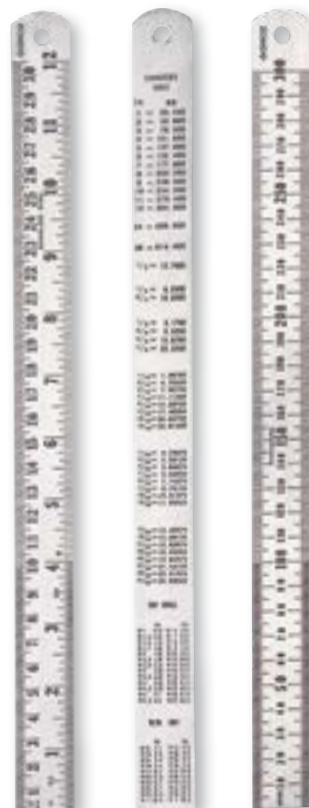
b. Metric Rules

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

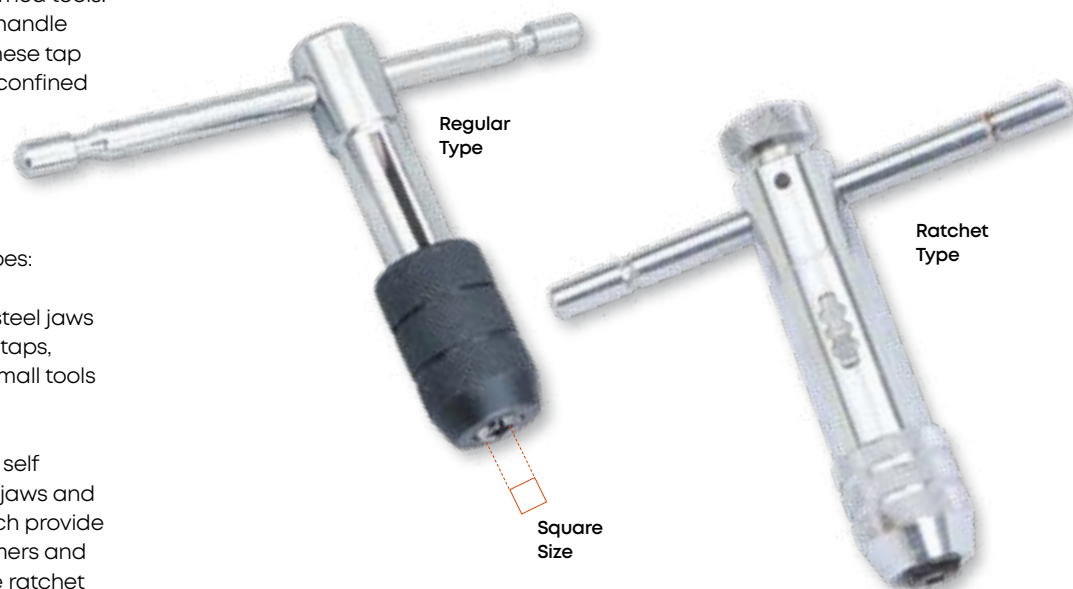
These are available in two types:

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" | 10 |
| | | 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) | |
| | | 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 | |
| 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" | 10 |
| | | 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) | |
| | | 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 | 5 |
| | | 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 | |



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

Taper

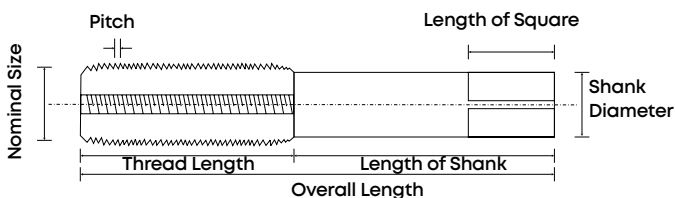
Used to provide a quick & easy start, but this will not cut the thread down to the bottom of the hole

Second

Used to increase the size of cut

Bottom

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


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

| CAT NR. | 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

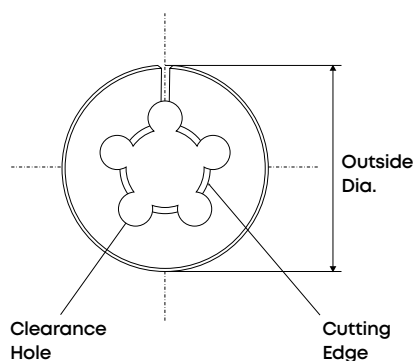
| | | | | |
|-----------------|-------|-------|----|-----|
| TAP/2/BSP/1-8 | 09500 | 1/8 | 28 | 150 |
| TAP/2/BSP/1-4 | 09501 | 1/4 | 19 | 150 |
| TAP/2/BSP/3-8 | 09502 | 3/8 | 19 | 150 |
| TAP/2/BSP/1-2 | 09503 | 1/2 | 14 | 150 |
| TAP/2/BSP/5-8 | 09504 | 5/8 | 14 | 150 |
| TAP/2/BSP/3-4 | 09505 | 3/4 | 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

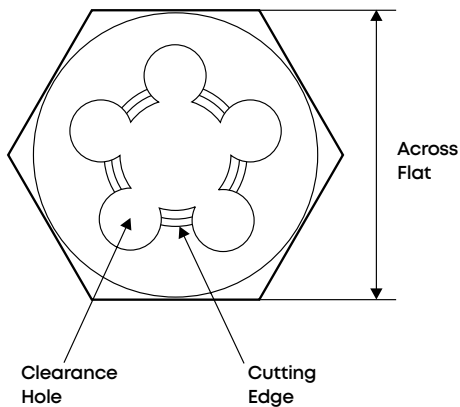
| CAT. NR. | ORD NR. | NOMINAL SIZE | OUTER DIA. | BOX QTY. |
|-------------|---------|--------------|------------|----------|
| | | (INCH) | (INCH) | |
| DI/2M | 10402 | 2x0.4 | 13/16 | 300 |
| DI/3M | 10403 | 3x0.5 | 13/16 | 300 |
| DI/4M | 10404 | 4x0.7 | 13/16 | 300 |
| DI/4M/SPL | 10440 | 4 X 0.75 | 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/1-3-8 | 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/1-3-8 | 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 |



A man wearing safety glasses is focused on his work. He is using a hand tool with an orange handle and black jaws to work on a piece of metal. The metal piece is held in a blue vise. The background is a blurred industrial setting with vertical metal rods.

14

**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 |



196

Nut Riveter Kit

RT-NR

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.

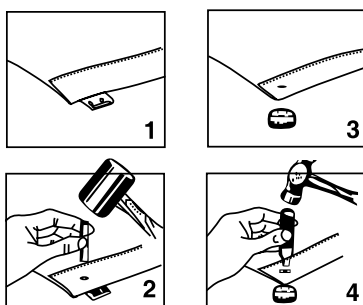
These are offered as a kit containing:

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

Grommets are made from solid brass making them rust resistant.

Hole Punch and Setting Tool are precision machined from single bar of solid steel for additional durability

Replacement Grommets also available



Hole
Punch

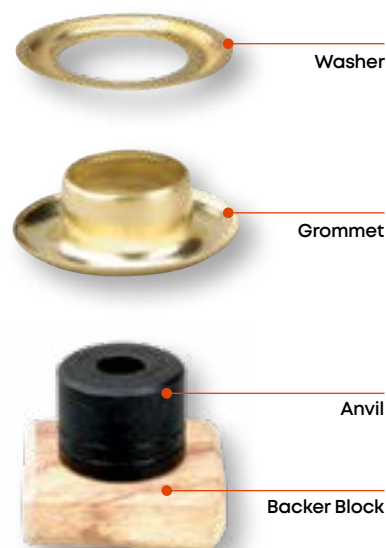


Setting
Tool

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

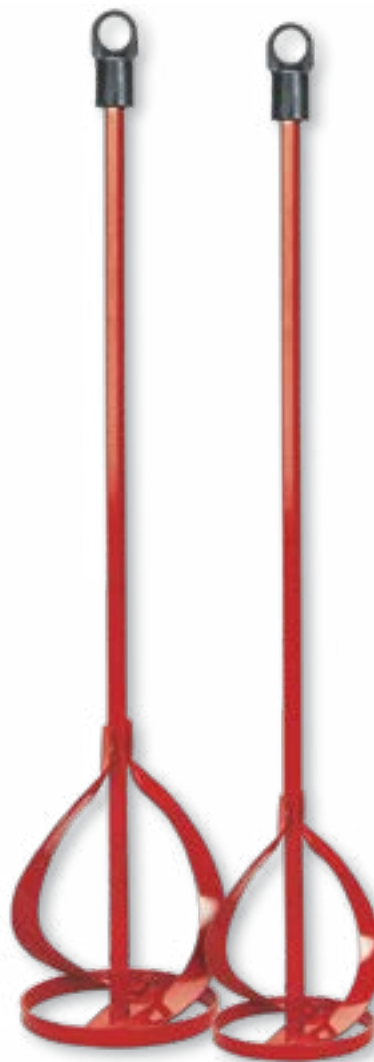
Using Paint Mixers

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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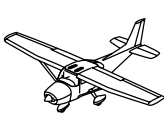
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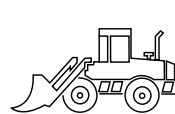
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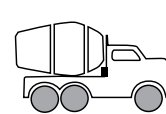
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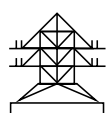
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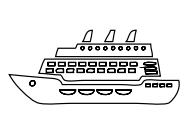
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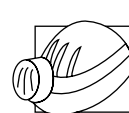
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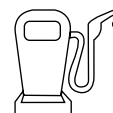
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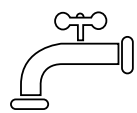
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PLUMBING



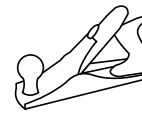
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