



## ★ POLISHED HEAD · DOE SERIES

## Double Open End Spanners

Two open jaws. Two sizes. One precision-forged spanner — engineered for assembly, automotive, plumbing and heavy industrial use.

## SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel (CrV)
Finish	Chrome Plated, Polished Head
Head Type	Double Open End — both ends
Drive Profile	Open jaw, 15° offset
Hardness	Fully Hardened & Tempered
Metric Range	6×7 mm – 30×32 mm
SAE / WW Range	1/8×3/16" – 9/16×11/16"
Laymen (मूल)	1½×2 – 5½×7
Standard	IS 2028-2004
HSN Code	8204
Origin	India

- ◆ Two bolt sizes in one tool
- ◆ 15° offset jaw for tight-space access
- ◆ CrV steel resists bending under load
- ◆ Mirror chrome finish — corrosion resistant
- ◆ Uniform hardness, slip-free precision jaws
- ◆ Conforms to IS 2028-2004
- ◆ Trusted in industry & trade since 1961

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

## USES

- Match jaw size to bolt across-flats — never approximate.
- Engage on flats fully; never on corners.
- Pull along the spanner axis — don't push.
- Use the 15° offset to flip in tight spots.
- Switch ends for the matching bolt-pair size.

## CARE

- Wipe clean after every use.
- Light oil before long-term storage.
- Store dry to protect chrome plating.
- Inspect jaws for spread or wear.
- Retire spanners with rounded jaws.

## SAFETY

- Always wear safety glasses & gloves.
- Never strike with a hammer.
- Don't use as a pry bar or chisel.
- Don't extend the handle with a pipe.
- Discard if bent, cracked or worn.



## ★ 12-POINT RINGS · OFFSET SERIES

## Bi-hexagon Ring Spanners

Closed bi-hexagonal rings grip every corner of the fastener — maximum torque transfer with no slip. Available in shallow, deep and heavy-duty offsets.

## SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel (CrV)
Finish	Chrome Plated, Polished Rings
Head Type	Closed Ring — both ends, 12-point
Profiles	Shallow / Deep / Heavy-Duty offset
Hardness	Fully Hardened & Tempered
Standard Range	6×7 mm – 30×32 mm
Heavy-Duty Range	32×36 mm – 75×80 mm
Standard	IS 2029-1998
HSN Code	8204
Variants	Loose pieces & matched sets
Origin	India

- ◆ 12-point bi-hex grip on all six fastener flats
- ◆ Deep-offset variant for recessed bolts
- ◆ Heavy-duty range up to 75×80 mm
- ◆ Closed rings prevent rounding off nuts
- ◆ Hardened & tempered for long fatigue life
- ◆ Polished chrome — wipes clean instantly
- ◆ Conforms to IS 2029-1998

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Slide ring fully over the fastener head.
- Use deep-offset to clear adjacent surfaces.
- Pull — never push — along the handle axis.
- Re-seat after each 30° turn for clean engagement.
- Use heavy-duty range only with matched bolts.

CARE

- Clean grease & swarf after each shift.
- Light oil rings before long storage.
- Store hung or in matched-size trays.
- Inspect rings for cracks or galling.
- Replace if any teeth show wear.

SAFETY

- Wear safety glasses & cut-resistant gloves.
- Never strike — these are not slogging tools.
- Don't use a cheater pipe on the handle.
- Ensure firm footing before pulling.
- Discard if bent, cracked or rounded.



## ★ OPEN + RING · ONE TOOL

## Combination Wrenches

Open jaw on one end, 12-point ring on the other — start fast with the ring, finish with the open jaw. The mechanic's everyday wrench.

## SPECIFICATIONS · KEY FEATURES

Material	Selected Steel
Finish	Chrome Plated
Head Type	Open + 12-point Ring (one end each)
Hardness	Fully Hardened & Tempered
Size Range	6 mm – 32 mm
Standard	IS 6389-1972
HSN Code	8204
Variants	Loose & matched sets
Origin	India

- ◆ Open jaw + closed ring in a single tool
- ◆ Same size on both ends for fluid working
- ◆ 12-point ring = 30° re-positioning angle
- ◆ Chrome-plated, easy to clean
- ◆ Hardened & tempered — long jaw life
- ◆ Conforms to IS 6389-1972
- ◆ Available in loose pieces and full sets

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Use the ring end for breaking torque.
- Switch to the open jaw for quick spinning.
- Always seat the ring fully on the bolt head.
- Pull along the handle axis — never push.
- Match the size — undersized rounds bolts.

CARE

- Wipe clean after every use.
- Light oil before long storage.
- Store flat in a roll or socket tray.
- Inspect both ends for wear.
- Retire if jaw or ring is rounded.

SAFETY

- Wear safety glasses & gloves.
- Never strike with a hammer.
- Don't extend with a pipe — use a larger wrench.
- Ensure firm grip and footing.
- Discard if bent, cracked or worn.

**14 GW**

# GEAR WRENCHES

Ratcheting Combination Wrench · Chrome Vanadium Steel · 72-Tooth Mechanism



JHALANI FERRETERRO Brand — Delivering Quality Since 1961

HSN-8204

SINCE 1961

ISO 9001:2015



## ★ RATCHETING · NO LIFT-OFF

### Gear Wrenches

Open jaw on one end, ratcheting box on the other — work fast in tight spaces without lifting the wrench off the bolt.

#### SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel (CrV)
Finish	Chrome Plated, Polished
Head Type	Open + Ratcheting Box (12-point)
Mechanism	72-tooth fine ratchet
Min. Swing Arc	5°
Hardness	Fully Hardened & Tempered
Size Range	8 mm – 21 mm
HSN Code	8204
Origin	India

- ◆ 72-tooth ratchet — works in 5° swing
- ◆ No lifting & re-seating in tight spaces
- ◆ Open jaw end for fast spinning
- ◆ CrV steel for high cycle life
- ◆ Polished chrome finish, anti-corrosive
- ◆ Available straight (No. 14 GW) and flexi-head
- ◆ Industry standard mechanic's choice

#### REAL-WORLD APPLICATIONS



#### USES

- Slide ring fully onto the fastener.
- Cycle handle back-and-forth — no lift-off.
- Use open end to start/finish loose threads.
- Reverse direction by flipping the wrench.
- Match size exactly to avoid tooth wear.

#### CARE

- Keep grit out of the ratchet head.
- Apply a drop of oil into the mechanism monthly.
- Wipe & dry after wet/oily work.
- Store in a dedicated tray.
- Inspect teeth for skipping.

#### SAFETY

- Don't use ratcheting end for heavy break-loose torque — use box.
- Never strike or use as pry bar.
- Wear safety glasses & gloves.
- Avoid pipe extensions.
- Discard if mechanism skips or backslips.



## ★ DIN PATTERN · HEAVY DUTY

### Single-Ended Open Jaw Spanners

Single-ended open jaw forged spanners for heavy-duty maintenance, structural assembly and large fasteners up to 105 mm.

#### SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Selected Steel, Drop Forged
<b>Finish</b>	Phosphate / Black
<b>Head Type</b>	Single-ended Open Jaw
<b>Hardness</b>	Fully Hardened & Tempered
<b>DIN-894 Range</b>	18 mm – 105 mm
<b>DIN-895 Range</b>	8×10 mm – 70×75 mm
<b>Standard</b>	IS 2028-2004 / DIN 894 / DIN 895
<b>HSN Code</b>	8204
<b>Origin</b>	India

- ◆ Forged single-piece for high strength
- ◆ Long lever arms for heavy-duty torque
- ◆ Sized up to 105 mm across-flats
- ◆ Conforms to DIN 894 / DIN 895 patterns
- ◆ Hardened & tempered for fatigue life
- ◆ Ideal for structural & infrastructure work
- ◆ Available in metric range across the family

#### REAL-WORLD APPLICATIONS



HEAVY MACHINERY

REFINERY & POWER

SHIPYARDS & MARINE

STRUCTURAL & STEEL

#### USES

- Engage jaw fully on the bolt flats.
- Apply steady, axial pull along the handle.
- Use both hands on the longer handles.
- Re-seat between strokes — never on corners.
- Match jaw size precisely.

#### CARE

- Wipe clean after each shift.
- Phosphate finish needs no plating care.
- Light oil before long-term storage.
- Inspect jaw for spread or hairlines.
- Retire if jaw is opened or cracked.

#### SAFETY

- Always wear gloves and steel-toe boots.
- Never strike unless slogging-pattern is specified.
- Don't extend with a cheater pipe.
- Ensure firm footing — these are heavy.
- Discard if forged section shows cracks.



## ★ STRIKE-RATED · HIGH TORQUE

### Slogging / Sledge Spanners

Built to be struck. Drop-forged single-ended open jaw and bi-hex ring slogging spanners for breaking out heavy fasteners on flanges, bearings and machinery.

#### SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Chrome Vanadium Steel (CrV)
<b>Finish</b>	Burnished
<b>Head Type</b>	Single-ended Open / Bi-hex Ring
<b>Strike Pad</b>	Reinforced flat pad for hammering
<b>Hardness</b>	Fully Hardened & Tempered
<b>Slogging Open (133)</b>	24 mm – 145 mm
<b>Slogging Ring (306)</b>	24 mm – 145 mm
<b>Deep-Offset Slog (306D)</b>	24 mm – 55 mm
<b>Standard</b>	IS 4509-1992
<b>HSN Code</b>	8204
<b>Origin</b>	India

- ◆ Designed to be struck with a sledge hammer
- ◆ Reinforced strike pad — won't mushroom
- ◆ Drop-forged CrV for high-impact loads
- ◆ Sizes up to 145 mm for very heavy fasteners
- ◆ Burnished finish hides marks of use
- ◆ Conforms to IS 4509-1992
- ◆ Available open-jaw, ring & deep-offset

#### REAL-WORLD APPLICATIONS



#### USES

- Engage head fully on the fastener.
- Place wrench so handle clears swing path.
- Strike the pad squarely with a sledge.
- Re-seat after every 2–3 hits.
- Don't use on hand-tight jobs — overkill.

#### CARE

- Inspect strike pad for mushrooming.
- Wipe clean and oil head after use.
- Store on a dedicated rack.
- Don't grind the pad — replace tool if deformed.

#### SAFETY

- MANDATORY safety glasses & gloves.
- Use only a soft-faced or sledge hammer — never a ball peen on flat pad.
- Clear bystanders from swing arc.
- Strike pad squarely; off-axis strikes cause shrapnel.
- Discard if cracked or mushroomed.



## ★ SPECIALTY OFFSETS

### S-Type & C-Type Ring Spanners

S-bend and C-shaped half-moon rings reach fasteners that straight wrenches simply cannot — ideal for flanges, brake systems and recessed engine bolts.

## SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Chrome Vanadium Steel (CrV)
<b>Finish</b>	Chrome Plated, Polished Rings
<b>S-Type Profile (143)</b>	S-bend, both ends ringed
<b>C-Type Profile (132)</b>	Half-moon C-shape
<b>Hardness</b>	Fully Hardened & Tempered
<b>S-Type Range</b>	10×11 mm – 18×19 mm
<b>C-Type Range</b>	8×10 mm – 21×23 mm
<b>HSN Code</b>	8204
<b>Origin</b>	India

- ◆ Reaches fasteners straight wrenches can't
- ◆ S-bend clears parallel obstructions
- ◆ C-half-moon profile for flange & brake work
- ◆ Bi-hex rings for full corner contact
- ◆ CrV steel — high fatigue strength
- ◆ Polished, chrome-plated finish
- ◆ Compact lengths suit cramped engine bays

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

### USES

- Choose S- or C-profile based on obstruction.
- Slide ring fully onto fastener.
- Use short, controlled pulls — small swings.
- Reset after every 30°.

### CARE

- Wipe rings clean after each use.
- Light oil before storage.
- Store flat — bent profiles need protection.
- Inspect for cracks at the bend.

### SAFETY

- Wear safety glasses & gloves.
- Never strike — these are precision tools.
- Don't extend handle with a pipe.
- Discard at first sign of cracking.



## ★ TIGHT-SPACE TORQUE

## Crowfoot Spanners

Open-jaw heads with a 1/2" square drive — pair with any ratchet, extension or torque wrench to reach fasteners blocked from above.

## SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel (CrV)
Finish	Chrome Plated
Drive	12.5 mm (1/2") Square
Head Type	Open Jaw — crowfoot
Size Range	24 mm – 63 mm
Hardness	Fully Hardened & Tempered
HSN Code	8204
Origin	India

- ◆ Drive any 1/2" ratchet or torque wrench
- ◆ Open jaw reaches fasteners blocked overhead
- ◆ Standard sizes 24 – 63 mm
- ◆ Chrome-plated CrV — corrosion resistant
- ◆ Hardened & tempered head
- ◆ Pairs with extensions for deep reach

## REAL-WORLD APPLICATIONS



VEHICLE REPAIR

ASSEMBLY LINE

TORQUE-CRITICAL

WORKSHOP &amp; MRO

USES

- Snap onto a 1/2" ratchet or torque wrench.
- Engage jaw on flats fully.
- Apply torque slowly when used with extensions.
- Use a U-joint to reach offset fasteners.

CARE

- Wipe clean after use.
- Oil square drive socket lightly.
- Store with the rest of your 1/2" drive set.

SAFETY

- Don't impact — these are not impact-rated.
- Wear safety glasses & gloves.
- Avoid extreme extensions for high torque.

**26TA**

# TUBULAR BOX SPANNERS

Through-Hole Tubular · Selected Steel Tubing · Zinc / Chrome Plated · IS 2030-1989



JHALANI FERRETERRO Brand — Delivering Quality Since 1961

HSN-8204

SINCE 1961

ISO 9001:2015



## ★ DEEP RECESS ACCESS

### Tubular Box Spanners

Through-hole tubular spanners reach deeply recessed fasteners and accept a tommy bar for high-torque turning. Available loose and in 6/8/12 piece sets.

## SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Selected Steel Tubing
<b>Finish</b>	Zinc / Chrome Plated
<b>Head Type</b>	Hex tube — both ends
<b>Hardness</b>	Hardened & Tempered ends
<b>Loose Range (26TA)</b>	6×7 mm – 30×32 mm
<b>Set Variants</b>	26TA/6M, 26TA/8M, 26TA/12M
<b>Standard</b>	IS 2030-1989
<b>HSN Code</b>	8204
<b>Origin</b>	India

- ◆ Through-hole accepts a tommy bar
- ◆ Reaches deeply recessed fasteners
- ◆ Two sizes per tube (both ends hex)
- ◆ Plated finish for corrosion protection
- ◆ Available as loose pieces or 6/8/12 pc sets
- ◆ Conforms to IS 2030-1989

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

### USES

- Drop spanner over the recessed fastener.
- Insert tommy bar through cross-hole.
- Apply both hands on the bar.
- Pull steadily — keep bar perpendicular.

### CARE

- Clean swarf from inside hex.
- Light oil before long storage.
- Store the set together to avoid loss.

### SAFETY

- Don't exceed safe tommy-bar load.
- Wear gloves to grip bar firmly.
- Discard if hex ends are spread.



## ★ FULL DRIVE FAMILY

### Square-Drive Sockets & Sets

From 1/4" precision sockets to 3/4" heavy-duty and 1" impact sockets — chrome-vanadium and special alloy ranges with full accessory line and matched sets.

## SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Chrome Vanadium / Special Alloy Steel
<b>Finish</b>	Chrome Plated / Black Impact
<b>Drives</b>	1/4", 1/2", 3/4", 1" Square
<b>Profile</b>	Bi-Hex (12-pt) & Hex (6-pt)
<b>Sizes — 1/2" Drive</b>	8 mm – 32 mm
<b>Sizes — 3/4" Drive</b>	22 mm – 60 mm
<b>Sizes — 1" Impact</b>	24 mm – 85 mm
<b>Standards</b>	IS 6131-1980 / IS 7381-1986 / IS 7993-1988
<b>HSN Code</b>	8204
<b>Sets</b>	46 pc 1/4" kit, full 1/2" matched sets
<b>Origin</b>	India

- ◆ Bi-hex 12-point grips on all six fastener flats
- ◆ Hex 6-point for maximum torque transfer
- ◆ Black-finish impact sockets for power tools
- ◆ Full accessory line: ratchets, extensions, U-joints
- ◆ Matched sets and individual pieces
- ◆ CrV steel — long fatigue life
- ◆ Conforms to relevant IS standards

## REAL-WORLD APPLICATIONS



### USES

- Match drive size to ratchet or impact tool.
- Snap socket fully onto the drive square.
- Use impact sockets only with impact tools.
- For high torque, prefer hex (6-pt) sockets.
- Pair with extension/U-joint for offset reach.

### CARE

- Wipe sockets clean after every use.
- Light oil drive squares.
- Store in a tray or rolling cabinet by size.
- Inspect for cracks — especially impact sockets.

### SAFETY

- Never use chrome sockets on impact tools.
- Don't extend ratchet handle with a pipe.
- Wear safety glasses with impact use.
- Discard if internal hex is rounded or cracked.



## ★ T-HANDLE QUICK-SPIN

## T-Type Socket Spanners

Long T-handle sockets for fast, two-hand spinning of small to medium fasteners — perfect for production lines and bicycle / motorcycle work.

## SPECIFICATIONS · KEY FEATURES

Material	Selected Steel
Finish	Chrome Plated with Sleeves
Head Type	Sliding T-handle Socket
Size Range	8 mm – 14 mm
Hardness	Hardened & Tempered
HSN Code	8204
Origin	India

- ◆ Sliding T-bar for quick spin
- ◆ Two-hand torque when needed
- ◆ Sleeved handle for grip
- ◆ Compact set covers most small fasteners
- ◆ Chrome plated, easy to clean

## REAL-WORLD APPLICATIONS

USES

- Slide T-bar to one side for spin mode.
- Centre T-bar for two-hand torque.
- Engage socket fully on bolt head.

CARE

- Wipe clean and oil sliding bar.
- Don't lose the sleeves — reorder if worn.

SAFETY

- Don't impact — not rated for impact tools.
- Wear gloves for grip on long jobs.



## ★ TYRE &amp; WHEEL SPECIALISTS

## Wheel &amp; Rim Wrenches

Complete range of wheel wrenches — cross-shaped rim wrenches for cars, hexagon wheel spanners and heavy-duty/solid-box wrenches for trucks and tractors.

## SPECIFICATIONS · KEY FEATURES

Material	Selected Carbon Steel
Finish	Chrome Plated
Hardness	Induction Hardened & Tempered
Cross Rim (29)	17×19 mm & 18×21 mm
Wheel Hex (25S)	18 mm – 21 mm
HD Wheel (27)	24×27 (Telco) – 33×33 (Ashok Leyland)
Solid Box (125)	19×22 mm – 32×32 mm (Tractors)
Standard	IS 11874-1987 / IS 12521-1988
HSN Code	8204
Origin	India

- ◆ 4-way cross design for fast wheel removal
- ◆ Heavy-duty range for trucks & tractors
- ◆ Solid-box wrenches for high-torque hub nuts
- ◆ Induction-hardened working ends
- ◆ Chrome plated — anti-corrosion
- ◆ Sized for Indian commercial vehicles

## REAL-WORLD APPLICATIONS



TYRE SHOPS

FLEET WORKSHOPS

TRACTOR &amp; FARM

ROADSIDE EMERGENCY

USES

- Place wrench squarely on the wheel nut.
- Use body weight — push down with feet only when stable.
- Loosen all nuts before lifting the vehicle.
- Tighten in a star pattern.

CARE

- Clean road grime after each use.
- Light oil before long-term storage.
- Store in vehicle tool roll, dry.

SAFETY

- Never stand on the handle — controlled push only.
- Wear gloves — wheel nuts can be hot.
- Use jack stands before any underbody work.
- Discard if hex is rounded.



## ★ FOR FLARED FITTINGS

## Flare Nut Wrenches

Almost-closed wrench heads grip flare nuts on brake lines, fuel pipes and AC fittings — without rounding off the soft fitting.

## SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel
Finish	Dull Matt Chrome
Head Type	Almost-closed (5/6 sided)
Hardness	Hardened & Tempered
Size Range	8×10 (Hex) – 30×32 (Bi-Hex)
HSN Code	8204
Origin	India

- ◆ Grips 5 of 6 flats — won't round flare nuts
- ◆ Slot allows wrench to clear the line
- ◆ Bi-hex on larger sizes for max contact
- ◆ CrV — strong yet flexes onto fitting
- ◆ Dull-chrome finish hides scratches

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Slide wrench over the line to the nut.
- Engage all 5 flats fully.
- Apply steady pull — don't impact.
- Use a backing wrench on the union.

CARE

- Wipe brake fluid off immediately.
- Light oil after use.
- Inspect slot for spread.

SAFETY

- Brake fluid harms paint & skin — wear gloves.
- Don't use as a pry tool.
- Discard if jaws spread.



## ★ HEX KEY SPECIALISTS

## Allen Hex Keys

Forged L-shape hex keys for socket-head cap screws — full metric and SAE ranges, available loose and in convenient folding holders.

## SPECIFICATIONS · KEY FEATURES

Material	Chrome Vanadium Steel (CrV)
Finish	Burnished
Head Type	L-pattern hex (6-point)
Hardness	Fully Hardened & Tempered
Metric Range	1.5 mm – 36 mm
SAE Range	1/16" – 3/8"
Standard	IS 3082-1988
HSN Code	8204
Sets	Full metric & SAE folding holders
Origin	India

- ◆ Forged L-shape — short arm for spin, long for torque
- ◆ Full metric (1.5 – 36 mm) and SAE (1/16" – 3/8") ranges
- ◆ Burnished anti-corrosion finish
- ◆ Chamfered tips for easy entry
- ◆ Available loose & in folding sets
- ◆ Conforms to IS 3082-1988

## REAL-WORLD APPLICATIONS

USES

- Insert long arm fully — torque with short arm.
- Reverse for fast spin — short into bolt, long arm spins.
- Match size exactly — undersize rounds the hex.

CARE

- Keep tips clean and free of swarf.
- Light oil before long storage.
- Replace if tip is rounded.

SAFETY

- Wear gloves — small keys cut into fingers.
- Don't extend with a pipe — break the screw instead.
- Discard rounded keys.



## ★ ONE WRENCH · MANY SIZES

## Adjustable Wrenches

Smooth-action worm screw and clean parallel jaws — Jhalani Ferreteria adjustable wrenches handle any fastener from 6" to 24".

## SPECIFICATIONS · KEY FEATURES

Material	Selected Steel
Finish	Chrome Plated
Mechanism	Worm-screw adjustment
Hardness	Hardened & Tempered jaws
Size Range	150 mm (6") – 600 mm (24")
Standard	IS 6149-1984
HSN Code	8204
Origin	India

- ◆ One wrench replaces many fixed sizes
- ◆ Smooth worm screw — no slip
- ◆ Wide opening on larger sizes
- ◆ Hardened parallel jaws — long life
- ◆ Six sizes from 6" to 24"
- ◆ Conforms to IS 6149-1984

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Tighten worm screw onto the flats firmly.
- Pull toward the moving jaw side — stronger.
- Reset jaw width often — slip will round bolts.

CARE

- Brush grit out of the worm gear.
- Drop oil into screw monthly.
- Wipe & dry after wet jobs.

SAFETY

- Don't use on rounded or worn fasteners.
- Wear gloves and safety glasses.
- Avoid pipe extensions — slip risk.



## ★ COMPLETE PIPE WRENCH RANGE

## Pipe Wrenches

Five patterns covering every plumbing need — chain, hollow-chain, classic Stillson, heavy-duty alloy steel and lightweight aluminium-alloy pipe wrenches up to 48”.

## SPECIFICATIONS · KEY FEATURES

Stillson (225)	Carbon Steel · Red-Japanned · 8”–48”
Heavy Duty (227)	Alloy Steel · 8”–48”
Aluminium Alloy (228)	Lightweight · 10”–24”
Chain Pipe (210)	Chain Type · 2”–14”
Hollow Chain (210A)	Hollow Chain · 3”
Standards	IS 4003 (Pt-I) / IS 4003 (Pt-II) / IS 4123-1982
HSN Code	8204
Origin	India

- ◆ Five patterns covering every pipe size
- ◆ Stillson pattern for round pipes & rods
- ◆ Chain wrenches for irregular profiles
- ◆ Aluminium alloy variants — half the weight
- ◆ Heavy-duty alloy steel for industrial pipefitting
- ◆ All variants conform to IS 4003 / IS 4123

## REAL-WORLD APPLICATIONS



PLUMBING &amp; FITTINGS



OIL &amp; GAS PIPELINES



HVAC &amp; UTILITIES



INDUSTRIAL MAINTENANCE

USES

- Set jaws to bite firmly into the pipe.
- Pull toward the upper jaw direction.
- Use chain wrenches on irregular pipes.
- For finished pipe, wrap with cloth to protect surface.

CARE

- Brush thread debris out of the worm.
- Oil pivot and worm screw.
- Inspect teeth — they wear with use.

SAFETY

- Wear gloves — worn teeth slip.
- Don't use on bolts — pipe wrenches damage hex.
- Use both hands on large sizes.



## ★ STRIKING TOOLS

### Hammers — Ball & Cross Pein, Sledge

Forged ball-pein, cross-pein and sledge hammers from 100 g to 9 kg — wooden or shock-absorbing fibre-glass handles. Built to IS 841-1983.

## SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Drop-Forged Steel
<b>Hardness</b>	Induction Hardened & Tempered face
<b>Ball Pein (8602)</b>	100 g – 800 g
<b>Cross Pein (8604)</b>	100 g – 800 g
<b>Sledge Heads (8608)</b>	1 lb (450 g) – 20 lb (9 kg)
<b>Sledge w/ FRP (8609)</b>	1 lb – 20 lb · Fibre-Glass handle
<b>Handle Options</b>	Hickory wood / Fibre-Glass
<b>Standard</b>	IS 841-1983
<b>HSN Code</b>	8205
<b>Origin</b>	India

- ◆ Drop-forged head — high strike energy
- ◆ Induction-hardened face for long life
- ◆ FRP handle absorbs shock & resists weather
- ◆ Sledge weights up to 9 kg
- ◆ Conforms to IS 841-1983
- ◆ Available with wooden or fibre-glass handles

## REAL-WORLD APPLICATIONS



METAL FORMING



DEMOLITION &amp; MASONRY



RAILWAYS &amp; SHIPYARDS



WORKSHOP &amp; MRO

### USES

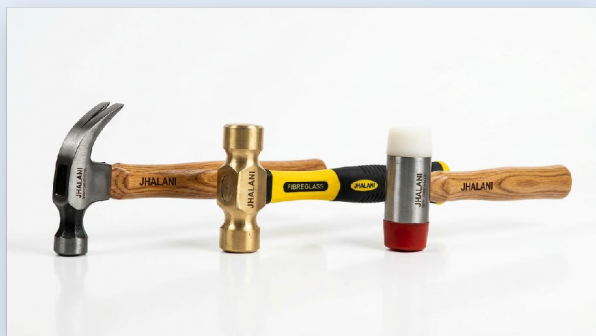
- Grip handle near the end for max leverage.
- Strike with the centre of the face.
- Let the head's weight do the work.
- Use ball-pein for riveting and metal forming.

### CARE

- Inspect head-handle wedge regularly.
- Soak wooden handles overnight if loose.
- Replace if face mushrooms.
- Don't paint over wedges.

### SAFETY

- MANDATORY safety glasses & gloves.
- Never strike a hardened face onto another hammer.
- Clear bystanders from the swing arc.
- Discard cracked handles immediately.



## ★ THE RIGHT FACE FOR EVERY JOB

### Speciality Hammers, Mallets & Axes

Claw hammers for carpentry, brass non-marring strikes, chipping hammers for slag, soft-face mallets for assembly and fireman/hatchet axes — every striking task covered.

## SPECIFICATIONS · KEY FEATURES

<b>Claw (128)</b>	340 g – 450 g · Grip handle · IS 6546-1989
<b>Brass Hammer (154)</b>	450 g – 9 kg · Fibre-Glass handle
<b>Hatchet/Fireman Axe (155)</b>	600 g · Fibre or wood handle
<b>Chipping (156)</b>	600 g · Fibre-Glass handle
<b>Soft-Face Mallet (8610)</b>	25 mm – 50 mm · IS 10838-1984
<b>HSN Code</b>	8205
<b>Origin</b>	India

- ◆ Claw hammer pulls and drives nails
- ◆ Brass head — non-marring, non-sparking soft strikes
- ◆ Chipping hammer for welding slag removal
- ◆ Replaceable cellulose-acetate mallet faces
- ◆ Fireman axe for emergency rescue
- ◆ Conforms to relevant IS standards

## REAL-WORLD APPLICATIONS



CARPENTRY &amp; WOODWORK



ENGINE ASSEMBLY



WELDING &amp; FAB



EMERGENCY &amp; RESCUE

### USES

- Use claw to pull nails — rock the head, don't twist.
- Brass for any time you can't mark the workpiece.
- Tap chipping hammer at angle to flake slag.
- Soft-face mallet for setting parts without damage.

### CARE

- Inspect handle wedges weekly.
- Keep brass head free of embedded swarf.
- Replace mallet faces when chipped.

### SAFETY

- Wear safety glasses — chipping hammers fling slag.
- Don't use brass on hardened steel — it deforms.
- Axe: keep blade sheathed when stored.



## ★ CUT, MARK, SHAPE

## Chisels, Punches & Marking Tools

Forged octagonal and flat chisels, centre punches and leather punches — induction-hardened tips for clean cuts and crisp marks every time.

### SPECIFICATIONS · KEY FEATURES

**Octagonal Chisel (352A)** 107 mm – 130 mm · IS 402-1990

**Flat Chisel (353A)** 150 mm – 250 mm

**Cutting Chisel (354)** 100 mm

**Centre Punch (106)** 4" – 6" · IS 7177-1999

**Leather Punch (152)** 100 mm

**Material** Selected Steel, Drop Forged

**Hardness** Induction Hardened & Tempered Tip

**HSN Code** 8205

**Origin** India

- ◆ Induction-hardened tips for sharp edge retention
- ◆ Octagonal stock — won't roll on workbench
- ◆ Multiple lengths for different working depths
- ◆ Centre punches for accurate hole marking
- ◆ Leather punches for craftwork
- ◆ Conforms to IS 402-1990 / IS 7177-1999

### REAL-WORLD APPLICATIONS



METALWORK & FAB



MASONRY & CONSTRUCTION



LEATHER CRAFT



LAYOUT & DRILLING

### USES

- Hold chisel firmly with non-dominant hand.
- Strike with a soft-face or ball-pein hammer.
- Re-grind tip when dulled — keep original angle.
- Use centre punch to start every drill bit.

### CARE

- Re-grind hardened tips with light passes.
- Don't overheat — destroys the temper.
- Inspect head for mushrooming.

### SAFETY

- MANDATORY safety glasses.
- Grind off mushroomed heads — fragments fly.
- Wear gloves to protect non-dominant hand.



## ★ EVERYDAY GRIP & CUT

## Pliers — Combination, Slip-Joint & Pump

Combination pliers, slip-joint, water-pump and vice-grip locking pliers — full range of grippers for the trade and the household.

### SPECIFICATIONS · KEY FEATURES

<b>Combination (81 / 818A)</b>	200 mm (8") · IS 3650-1981
<b>Combination HD-Pro (81PS)</b>	200 mm (8") · IS 3650-1981
<b>Slip-Joint (80)</b>	IS 13323-1992
<b>Vice-Grip (137)</b>	250 mm (10") · Drop-Forged · IS 10372-1982
<b>Water-Pump (145)</b>	250 mm · IS 6118-1991
<b>Box-Joint Water Pump (146)</b>	250 mm · CrV Steel
<b>Hardness</b>	Induction Hardened & Tempered cutters
<b>HSN Code</b>	8203
<b>Origin</b>	India

- ◆ Drop-forged frames for high strength
- ◆ Induction-hardened cutting edges
- ◆ Self-locking vice-grip with quick release
- ◆ Box-joint construction (146) won't loosen
- ◆ Insulated handle sleeves for safety
- ◆ Conforms to multiple IS standards

### REAL-WORLD APPLICATIONS



ELECTRICAL &amp; WIRING

PLUMBING

MECHANIC SHOPS

DIY &amp; HOUSEHOLD

### USES

- Match plier type to the job — don't force.
- Vice-grip: tighten knob until just locked.
- Slip-joint: open joint for larger work.
- Use water-pump for round pipes & nuts.

### CARE

- Drop oil into pivot monthly.
- Wipe handles clean.
- Inspect cutting edges for nicks.

### SAFETY

- Don't use plier handles to pull live wires.
- Wear safety glasses when cutting wire.
- Watch for fingers in the joint.



## ★ PRECISION GRIP

## Speciality Pliers

Diagonal cutters for clean wire snips, long-nose pliers for tight reach, circlip pliers (internal/external) and revolving punch pliers for craftwork.

## SPECIFICATIONS · KEY FEATURES

<b>Diagonal Cutter (83)</b>	150 mm (6") · IS 4378-1990
<b>Long Nose (84)</b>	165 mm – 200 mm · IS 5658-1990
<b>Circlip (87)</b>	175 mm · CrV · IS 7989/7990-1976
<b>Revolving Punch (151)</b>	200 mm · 6 punch sizes
<b>Material</b>	Hardened & Tempered Selected Steel / CrV
<b>HSN Code</b>	8203
<b>Origin</b>	India

- ◆ Diagonal cutter — flush wire cuts
- ◆ Long-nose for confined spaces & wire bending
- ◆ Circlip pliers for internal & external rings
- ◆ Revolving punch — 6 hole sizes in one tool
- ◆ Induction-hardened tips and edges

## REAL-WORLD APPLICATIONS



ELECTRONICS



MECHANIC SHOPS



LEATHER &amp; CRAFT



WORKSHOP &amp; MRO

USES

- Cutter: snip perpendicular to wire.
- Long-nose: don't side-load the tips.
- Circlip: match plier type to ring direction.
- Punch: rotate head to required size.

CARE

- Oil pivot regularly.
- Sharpen cutter edges with a fine stone.
- Inspect circlip tips — easy to bend.

SAFETY

- Wear safety glasses — wire ends fly.
- Hold work firmly when punching.
- Don't cut hardened steel with diagonal cutters.



## ★ COMPLETE CUTTING RANGE

Cutters — Bolt, Cable, Tin, Pvc,  
Wire

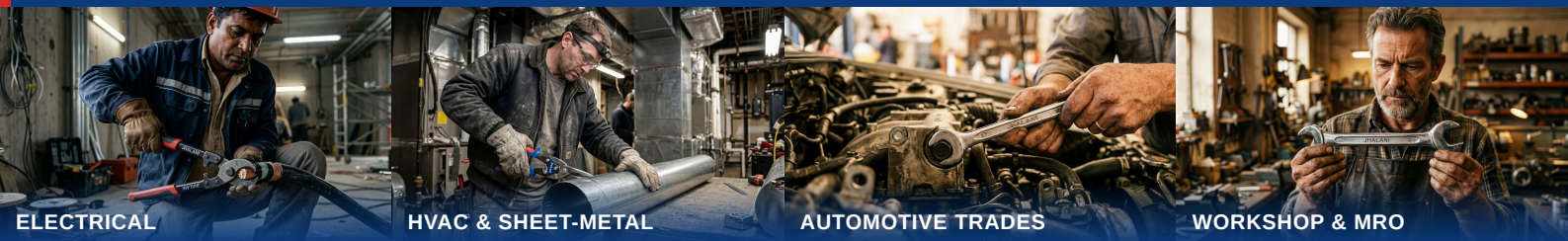
From hardened-jaw bolt cutters up to 42" to precision wire strippers, tin snips, cable cutters and PVC pipe cutters — purpose-built for every cut.

## SPECIFICATIONS · KEY FEATURES

<b>Bolt Cutter (05)</b>	300 mm (12") – 1050 mm (42") · IS 5200-1998
<b>Wire Stripper (85)</b>	Multi-gauge · IS 5087-1969
<b>Mesh Cutter (108)</b>	200 mm – 250 mm
<b>Aviation Cutter (118)</b>	250 mm
<b>Tin Cutter (120)</b>	200 mm – 350 mm · IS 6087-1971
<b>Cable Cutter (126)</b>	150 mm – 600 mm
<b>PVC Pipe Cutter (129)</b>	Ø 42 mm capacity
<b>Snap Cutter (130)</b>	18 mm blade · 2 spare blades
<b>HSN Code</b>	8203
<b>Origin</b>	India

- ◆ Hardened CrV jaws — clean shear cuts
- ◆ Compound leverage on bolt cutters
- ◆ Multi-gauge wire stripper
- ◆ Aviation snips for sheet metal curves
- ◆ PVC cutter for clean, square pipe cuts
- ◆ Replaceable blades on snap cutters

## REAL-WORLD APPLICATIONS

USES

- Bolt cutter: position cut at the deepest part of the jaws.
- Tin cutter: angle blades downward into sheet.
- PVC: rotate cutter around pipe — don't force.
- Wire stripper: select correct gauge slot.

CARE

- Oil pivot, blade and adjuster.
- Sharpen blades with a fine stone.
- Replace bolt-cutter jaws (05A) when worn.

SAFETY

- Always wear safety glasses.
- Cut wires with one end held — don't fly.
- Don't cut hardened/heat-treated bolts.



## ★ DRIVE EVERYTHING

## Screwdrivers — Electrician & Engineer

Slotted, Phillips, reversible 2-in-1, electrician and engineer patterns — and full kits with extension rod and neon tester.

### SPECIFICATIONS · KEY FEATURES

<b>Reversible 2-in-1 (70/71)</b>	6×100 mm – 6×300 mm · Green/Yellow handle
<b>Engineer (72)</b>	5×75 mm – 8×300 mm
<b>Electrician (73)</b>	3×50 mm – 5×300 mm
<b>Kit (78)</b>	8 blades + extension + neon
<b>Unbreakable (135)</b>	Striking · 8×150 – 8×300 mm
<b>Material</b>	Selected Steel, Chrome Plated
<b>Standard</b>	IS 844-1979
<b>HSN Code</b>	8205
<b>Origin</b>	India

- ◆ Insulated bi-color handles for grip & safety
- ◆ Hardened blade tips fit screw heads cleanly
- ◆ Reversible 2-in-1 saves space
- ◆ Engineer pattern for high-torque jobs
- ◆ Strike-through unbreakable variants
- ◆ Multiple sizes from 50 mm to 300 mm
- ◆ Conforms to IS 844-1979

### REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

### USES

- Match tip width to the screw slot exactly.
- Push down hard while turning — prevents cam-out.
- Use a wrench on engineer-pattern hex bolster for high torque.
- Insulated handles for live work only with rated tools.

### CARE

- Wipe blades clean.
- Don't use as a chisel — destroys tips.
- Re-dress tips when worn (slotted only).

### SAFETY

- Don't trust uninsulated drivers near live circuits.
- Hold the work — don't palm the blade.
- Wear safety glasses — tips snap.



## ★ TESTING & PRECISION

### Speciality Screwdrivers & Testers

Neon line testers, contactless voltage alerts, precision driver kits for mobile and laptops, stubby drivers and Phillips / Torx bit ranges.

## SPECIFICATIONS · KEY FEATURES

<b>Line Tester (603)</b>	13×60 · Neon Bulb · IS 5579-1985 Gr-2
<b>Voltage Alert (138)</b>	Contactless
<b>Precision Set (140)</b>	For mobile & laptop · CrV Steel
<b>Stubby 2-in-1 (147)</b>	30 mm
<b>Phillips Bits (142)</b>	65 mm – 150 mm · CrV
<b>Torx Bits (148)</b>	10 mm – 55 mm
<b>HSN Code</b>	8205
<b>Origin</b>	India

- ◆ Neon line tester for low-voltage detection
- ◆ Contactless voltage alert for safe testing
- ◆ Precision set for delicate electronics
- ◆ Stubby driver for cramped quarters
- ◆ Phillips & Torx bit ranges for power tools

## REAL-WORLD APPLICATIONS



AUTOMOTIVE & GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING & FITTINGS



WORKSHOP & MRO

### USES

- Line tester: hold metal cap on hand, tip to live point.
- Voltage alert: scan along wire — beeps on AC.
- Precision set: use minimum force.
- Bits: match shank size to driver chuck.

### CARE

- Replace neon bulb if testing fails.
- Keep voltage-alert battery fresh.
- Store precision tips in a magnetic tray.

### SAFETY

- Don't trust testers as primary safety device — always isolate first.
- Replace any cracked-handle tester.
- Don't use precision drivers on big screws.



## ★ LUBRICATE EVERY GREASE NIPPLE

**Grease Guns**

Hand grease guns from compact push-type and lever models to high-pressure 3 – 20 kg bucket guns on trolleys for fleet workshops and industrial plants.

**SPECIFICATIONS · KEY FEATURES**

<b>Lever (93)</b>	Fixed Spout · 1/2 – 5/8 inch
<b>Push-Type (131)</b>	4 – 8 oz
<b>Bucket Trolley (97)</b>	Steel construction · 3 kg – 20 kg
<b>Pump</b>	Solid steel pump chamber
<b>HSN Code</b>	8424
<b>Origin</b>	India

- ◆ Lever model for long sustained pumping
- ◆ Push-type for quick top-ups
- ◆ Bucket grease gun on trolley for plant-wide use
- ◆ Solid steel pump chamber — long life
- ◆ All-metal construction

**REAL-WORLD APPLICATIONS**

AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

**USES**

- Prime by working lever before use.
- Press nozzle firmly onto grease nipple.
- Pump until grease appears at the seal.
- Wipe excess away — attracts grit.

**CARE**

- Drain old grease at every refill.
- Keep nozzle and check valve clean.
- Lubricate trolley wheels.

**SAFETY**

- Don't inject grease under skin — high pressure.
- Wear gloves & glasses.
- Release pressure before opening cylinder.



## ★ HOLD IT SOLID

## Bench Vices &amp; C-Clamps

Fabricated all-steel bench vices and drop-forged C-clamps for the workbench — hardened jaws hold workpieces firm without slip or marking.

## SPECIFICATIONS · KEY FEATURES

<b>Bench Vice (92)</b>	Fabricated Steel · 3" – 8"
<b>Vice Jaws</b>	Hardened & Tempered, replaceable
<b>C-Clamp (95)</b>	Drop Forged · 55 mm – 305 mm
<b>Standard</b>	IS 9181-1988 (C-clamp)
<b>HSN Code</b>	8205
<b>Origin</b>	India

- ◆ Fabricated steel body — high impact resistance
- ◆ Hardened replaceable jaws
- ◆ Smooth screw action with no backlash
- ◆ Drop-forged C-clamps for high clamping force
- ◆ Multiple sizes from compact 3" vice up to 8"

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Vice: open jaws fully before placing work.
- Use soft jaws for finished surfaces.
- C-Clamp: hand-tight then quarter-turn.
- Don't extend handle for more torque — bends screw.

CARE

- Oil screw threads monthly.
- Clean swarf out of slides.
- Replace soft jaws when scored.

SAFETY

- Don't strike a closed vice with hammer.
- Wear safety glasses when filing/grinding in vice.
- Avoid over-clamping — fragile work cracks.



## ★ SPIN-OFF EVERY FILTER

## Oil Filter Wrenches

Belt, chain and strap-type oil filter wrenches for cars, trucks and tractors — get a slip-free grip on stuck spin-on filters.

## SPECIFICATIONS · KEY FEATURES

Belt Type (115)	8"
Chain Wrench (117)	8" · Forged
Strap Wrench (119)	12" · Aluminium handle
Universal (121)	Multi-fit
HSN Code	8204
Origin	India

- ◆ Belt + chain types fit any size filter
- ◆ Aluminium handle on strap wrench — light
- ◆ Forged chain links for high grip force
- ◆ Universal type adapts to most filters

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

USES

- Wrap belt/chain around filter.
- Pull handle in unscrewing direction — self-tightens.
- Use square drive on universal type with a 1/2" bar.

CARE

- Replace belt or strap when worn.
- Oil chain pivots.

SAFETY

- Hot oil burns — let engine cool first.
- Wear gloves & safety glasses.

94 · 110 · 111 · 112 · 113 · 114 · 139 · 149 · 150

# WORKSHOP TOOLS — PLANES, DIES, JACKS, RIVETERS



Hacksaw Frames · Jack Planes · Pipe & Ratchet

**JHALANI FERRETERRO** Brand — Delivering Quality Since 1961

HSN-8204

SINCE 1961

ISO 9001:2015



## ★ SHOP-FLOOR ESSENTIALS

### Workshop Tools — Planes, Jacks, Riveters

Workshop staples — hacksaw frames, jack and block planes, threading die sets, step drills, hydraulic bottle jacks and hand riveters covering most fab-shop needs.

#### SPECIFICATIONS · KEY FEATURES

**Hacksaw Frame (94)** 6" – 12" · Plastic handle

**Jack Plane (110/111)** 9" – 18" · 50 mm blade

**Block Plane (114)** 5" – 7"

**Ratchet Die Set (112)** 1/2, 3/4, 1 to 1-1/4, 1-1/2, 2

**Pipe Die Set (113)** 1/2, 3/4, 1 to 1-1/4, 1-1/2, 2

**Step Drill (139)** 4–20 mm to 4–32 mm

**Bottle Jack (149)** 2 Ton – 50 Ton

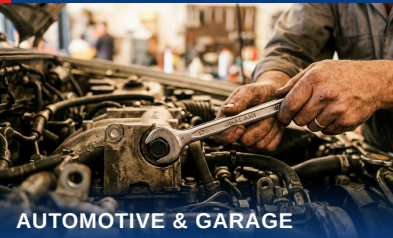
**Hand Riveter (150)** 2.4 mm – 4.8 mm

**HSN Code** 8205 / 8425

**Origin** India

- ◆ Strong steel hacksaw frames
- ◆ Jack & block planes for woodwork
- ◆ Pipe and ratchet die sets for plumbing
- ◆ Step drills for sheet metal
- ◆ Hydraulic bottle jacks 2 – 50 ton
- ◆ Hand riveters for sheet & body work

#### REAL-WORLD APPLICATIONS



AUTOMOTIVE & GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING & FITTINGS



WORKSHOP & MRO

#### USES

- Match tool to material — read each tool's manual.
- Bottle jack: place on flat ground, use jack stand.
- Riveter: select rivet to suit hole and material.
- Dies: cut threads slowly with cutting oil.

#### CARE

- Keep cutting edges sharp.
- Oil moving parts.
- Bleed jacks per manual.

#### SAFETY

- ALWAYS use jack stands under a lifted load.
- Wear gloves & safety glasses.
- Inspect rivet tool jaws for wear.



## ★ ORGANISE EVERYTHING

### Tool Storage — Boxes, Trolleys, Kits

From compact 18" home boxes to full 7-drawer mobile tool trolleys — keep your kit organised, mobile and protected.

#### SPECIFICATIONS · KEY FEATURES

<b>Metal Tool Box (96)</b>	5 Ties · 18×8×6" — 21×8×8" · Steel
<b>Tool Trolley (104)</b>	950×675×500 — 1070×675×500 mm
<b>Home Tool Kit (105)</b>	Curated household tool selection
<b>Material</b>	Steel sheet · strong hinges · robust handle
<b>HSN Code</b>	7326
<b>Origin</b>	India

- ◆ Tiered tool boxes for organised carry
- ◆ Mobile trolleys with locking castors
- ◆ Curated home kits cover daily DIY
- ◆ Robust handles — full tool weight rated
- ◆ Powder-coated finish

#### REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

#### USES

- Distribute weight evenly across drawers.
- Lock castors before opening drawers.
- Don't overload single tier — bends sheet.

#### CARE

- Wipe rust spots and touch up paint.
- Oil hinges twice yearly.
- Lubricate castor bearings.

#### SAFETY

- Lock trolley before climbing on it (don't!).
- Lift heavy boxes with two people.
- Mind fingers in lid hinges.



## ★ THE LITTLE THINGS MATTER

### Measuring & Speciality Tools

Bearing pullers, stainless feeler gauges, rotary barrel pumps, spirit levels and magnetic pick-up bars — the small tools that finish the job.

#### SPECIFICATIONS · KEY FEATURES

<b>Bearing Puller (98/99)</b>	3" (75 mm) – 8" (250 mm) · CrV
<b>Feeler Gauge (107)</b>	4" – 1 m · Stainless Steel
<b>Rotary Barrel Pump (116)</b>	90 mm
<b>Spirit Level (127)</b>	SL-12 to SL-36
<b>Magnetic Bar (153)</b>	620 mm
<b>Tommy Bars</b>	19×400 – 19×750 mm · Carbon Steel
<b>HSN Code</b>	8205 / 9015
<b>Origin</b>	India

- ◆ 2 & 3 jaw bearing pullers — CrV
- ◆ Stainless feeler gauges resist rust
- ◆ Heavy-duty rotary pumps for oil/diesel
- ◆ Aluminium spirit levels with vials
- ◆ Magnetic bars pick up dropped fasteners

#### REAL-WORLD APPLICATIONS



AUTOMOTIVE & GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING & FITTINGS



WORKSHOP & MRO

#### USES

- Bearing puller: align jaws square to shaft, tighten centre evenly.
- Feeler: clean blade between uses.
- Spirit level: zero on a known flat surface.

#### CARE

- Oil puller threads.
- Don't bend feeler blades.
- Keep magnetic bars clean of swarf.

#### SAFETY

- Bearing pullers: wear glasses — bearings let go suddenly.
- Don't use a magnet near pacemakers.
- Read each tool's manual.



## ★ SAFE IN HAZARDOUS ZONES

### Non-Sparking Tools — Aluminium Bronze

Complete non-sparking range cast in high-strength aluminium-bronze for use in oil & gas, chemical, paint, mining and other potentially explosive atmospheres.

## SPECIFICATIONS · KEY FEATURES

<b>Material</b>	Aluminium-Bronze Alloy
<b>Property</b>	Non-Sparking, Anti-Magnetic, Corrosion Resistant
<b>Open End (12NS)</b>	6×7 mm – 7/16×9/16"
<b>Ring Spanner (13NS)</b>	6×7 mm – 7/16×9/16"
<b>Combination (14NS)</b>	7 mm – 27 mm
<b>Single Open (894NS)</b>	6 – 95 mm
<b>Slogging Ring (306NS)</b>	24 – 95 mm
<b>Slogging Open (133NS)</b>	24 – 90 mm
<b>Adjustable (91NS)</b>	4" – 18"
<b>Hex Keys (42A NS)</b>	1.5 mm – 1/2"
<b>Sockets (D19/J19 NS)</b>	1/2" Drive · 6 – 32 mm
<b>Hammers (8602NS)</b>	230 g – 5 kg · Ball Pein / Sledge
<b>Pliers (81/83/84/87/146/846 NS)</b>	Combination, Cutting, Long-Nose, Snap-Ring, Pump
<b>Screwdrivers (75/76 NS)</b>	Slotted & Phillips · 50 – 300 mm
<b>Hacksaw (94/943 NS)</b>	300 mm Blade · 500 mm Frame
<b>Chisels (352A NS)</b>	12×150 – 24×300 mm
<b>Misc (103/104/105/106 NS)</b>	Cylinder Key, Knife, Drum Opener, Crate Opener
<b>HSN Code</b>	8204 / 8203 / 8205
<b>Origin</b>	India

- ◆ Aluminium-bronze alloy — non-sparking & anti-magnetic
- ◆ Suitable for ATEX zones, oil & gas, paint shops
- ◆ Full hand-tool range: spanners to screwdrivers
- ◆ Corrosion resistant in marine & chemical environments
- ◆ Drop-forged and hand-finished
- ◆ Dimensionally interchangeable with steel equivalents

## REAL-WORLD APPLICATIONS



AUTOMOTIVE &amp; GARAGE



INDUSTRIAL ASSEMBLY



PLUMBING &amp; FITTINGS



WORKSHOP &amp; MRO

### USES

- Use only in zones where spark-safe tools are mandated.

### CARE

- Never dress with a ferrous file — use bronze brush.

### SAFETY

- MANDATORY — confirm zone classification before tool selection.