

# GENERAL PIPE WORKING TOOLS

SECTION

# 7

*Mechanical Hot Tapping Machines*

*Tubing Benders*

*Stud Punch*

*Multi-Purpose Pipe Joiner*

*Torpedo Level*

*Hack Saw & Blades*

*Water Pump Pliers*

*Positive Grip Pliers*

*Threaded Rod Cutters*



**DM3MECH Mechanical Hot Tapping Machine hot taps steel pipe using a Reed bi-metal hole saw.**



PIPE TOOLS & VISES  
SINCE 1896

## MECHANICAL HOT TAPPING MACHINES

### FEATURES

- Hot tap up to 4" valves on steel, copper or plastic pipe.
- Pressure rated 300 psi for ambient temperatures or 125 psi for steam systems.

Hot tap using the **DM3MECH** Mechanical Hot Tapping Machine. With the right hole saw, drill and cut into steel, copper or plastic pipe for up to 4" valves. **DM3MECH** contains the base machine, along with  $\frac{7}{16}$ " Hex Arbor,  $\frac{1}{4}$ " Drill Bit, Hole Saws  $\frac{5}{8}$ ",  $\frac{7}{8}$ ",  $1 \frac{1}{8}$ ",  $1 \frac{3}{8}$ ",  $1 \frac{3}{4}$ ",  $2 \frac{1}{4}$ ",  $3 \frac{1}{4}$ ", Allen wrenches and toolbox. **DM3MECHB** is the base machine in a toolbox only, without hole saws or arbor. Mechanical Hot Tapping Machines require a  $\frac{1}{2}$ " drill motor, valves and fittings (not included). Versatile **DM3MECH** tapping machine is conveniently housed in a heavy plastic toolbox.

Catalog No.	Item Code	Valve Size	Weight	
			lbs	kg
DM3MECH	08350	$\frac{3}{4}$ " - 4"	12.0	5.5
DM3MECHB	08351	$\frac{3}{4}$ " - 4"	10.0	4.5

*NOTE: User adds fittings and valves according to the application.  
Pressure Rating for ambient (room) temperature liquid systems: 300 psi.  
Pressure Rating for steam systems: 125 psi.  
**NOT RECOMMENDED** for ammonia or other caustic systems. The seals do not support it.*

### ACCESSORIES

DB25	43507	$\frac{1}{4}$ " Pilot Drill Bit
CRPD25	99129	$\frac{1}{4}$ " Carbide-tipped Coupon Retaining Pilot Drill Bit

### HOLE SAWS

Catalog No.	Item Code	Description
BMHS10	43500	$\frac{5}{8}$ " diameter, $1 \frac{1}{2}$ " cut depth
BMHS14	43501	$\frac{7}{8}$ " diameter, $1 \frac{1}{2}$ " cut depth
BMHS18	43502	$1 \frac{1}{8}$ ", diameter, $1 \frac{1}{2}$ " cut depth
BMHS22	43503	$1 \frac{3}{8}$ ", diameter, $1 \frac{1}{2}$ " cut depth
BMHS28	43504	$1 \frac{3}{4}$ ", diameter, $1 \frac{1}{2}$ " cut depth
BMHS36	43505	$2 \frac{1}{4}$ ", diameter, $1 \frac{1}{2}$ " cut depth
BMHS52	43506	$3 \frac{1}{4}$ ", diameter, $1 \frac{1}{2}$ " cut depth

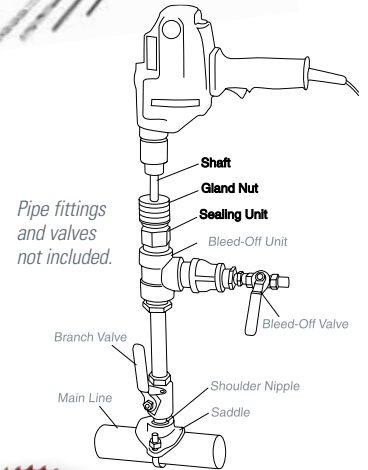


DM3MECH



### WHY REED?

A great deal on a versatile tapping machine that is priced well for the market.



Pipe fittings and valves not included.



BMHS52



BMHS36



BMHS14

## TUBING BENDERS

### FEATURES

- Used for bending steel, stainless steel, copper, aluminum and other metal tubing of bending temper.
- TB3456 covers four sizes with one tool.

Reed Tubing Benders, in popular sizes, are ideal for bending soft metal tubes of copper, steel, stainless steel and aluminum. The tubing benders should not, however, be used on extremely thin or hard-tempered material. All metal parts are chrome plated for corrosion resistance. Starting at a 90° angle, ergonomic round offset handles allow bends up to 180°. Calibrated angle markings appear every 15°, with separate gauge marks for right (R), left (L), and normal (O). **TB3456** Quad Bender is ideal for plumbing and HVAC applications because there are four sizes in one tool.

Catalog No.	Item Code	Tube Capacity		Bend Radius	Weight	
		actual O.D. in*	mm		lbs	kg
TB04	02745	$\frac{1}{4}$	-	$\frac{9}{16}$	1.0	0.5
TB06	02746	$\frac{3}{8}$	-	$\frac{15}{16}$	2.0	0.9
TB08	02747	$\frac{1}{2}$	-	$1 \frac{1}{2}$	3.5	1.6
TB12	02749	$\frac{3}{4}$	-	3	7.0	3.2
TB3456**	02742	$\frac{3}{16}$ , $\frac{1}{4}$ , $\frac{5}{16}$ , $\frac{3}{8}$	5, 6.5, 7.9, 9.5	$\frac{15}{16}$	1.9	0.9

\* $\frac{1}{4}$ " =  $\frac{1}{8}$ " nominal  $\frac{3}{8}$ " =  $\frac{1}{4}$ " nominal  $\frac{1}{2}$ " =  $\frac{3}{8}$ " nominal  
\*\* For annealed tubing



TB12

TB06

TB3456





STP710



GR1.3

## STUD PUNCH

### FEATURES

- Aluminum head makes for **lightweight tool**.
- Handle design allows **maximum leverage**.

Reed offers the most common size of stud punch for metal studs found in plumbing and electrical work. Give fast punches for running wires or lines through metal studs without pre-drilling. Punches 20 gauge steel and thinner steel. **STP710** features two cutting edges. For punches made with the STP710 and other 1 11/32" holes, use **GR1.3** plastic grommets to protect pipe and wire from the metal edges.

Catalog No.	Item Code	Punch Size		Length		Weight	
		actual in	mm	in	mm	lbs	kg
STP710	06465	1 11/32	34.1	21.0	533.4	6.6	3.0

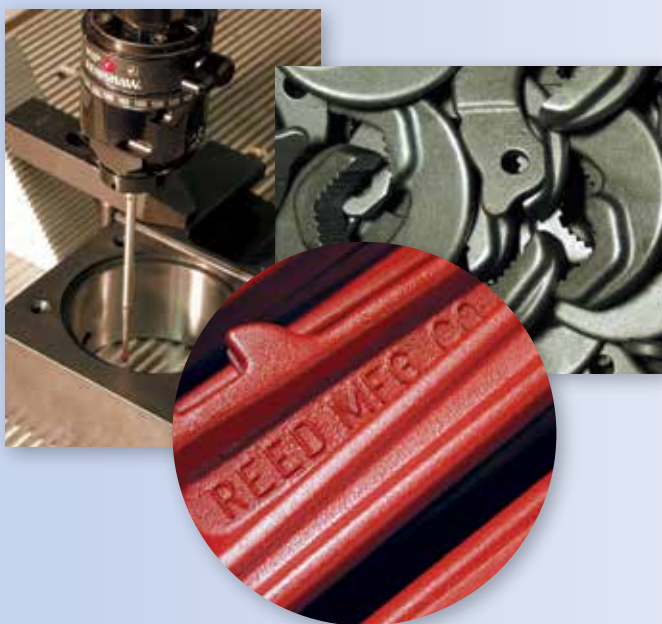
### PLASTIC GROMMETS

Catalog No.	Item Code	Punch Size		Length		Weight*	
		actual in	mm	in	mm	lbs	kg
GR1.3	06475	1 11/32	34.1	1.8	44	0.9	0.4

\*100 Count

# REED

## LIFETIME WARRANTY



Reed Hand Tools are for the professional trade and are warranted against all failure due to defects in workmanship and materials for the **normal life of the tool**.

FAILURES DUE TO MISUSE, ABUSE, OR NORMAL WEAR AND TEAR ARE NOT COVERED BY THIS WARRANTY.

Power units for Universal Pipe Cutters, Saw It®, Rapid Cut & Bevel™ machines, hydrostatic test pumps, and threading power drives are warranted for a period of one year from date of purchase. Hydraulic pumps for PE Squeeze-Off tools have a one year warranty from date of purchase.

NO PARTY IS AUTHORIZED TO EXTEND ANY OTHER WARRANTY. NO WARRANTY FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY.

No warranty claims will be allowed unless the product in question is received freight prepaid at the Reed factory. All warranty claims are limited to repair or replacement, at the option of the company, at no charge to the customer. REED IS NOT LIABLE FOR ANY DAMAGE OF ANY SORT, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## MULTI-PURPOSE PIPE JOINER

### FEATURES

- Join gasketed pipe up to 14" nominal diameter.

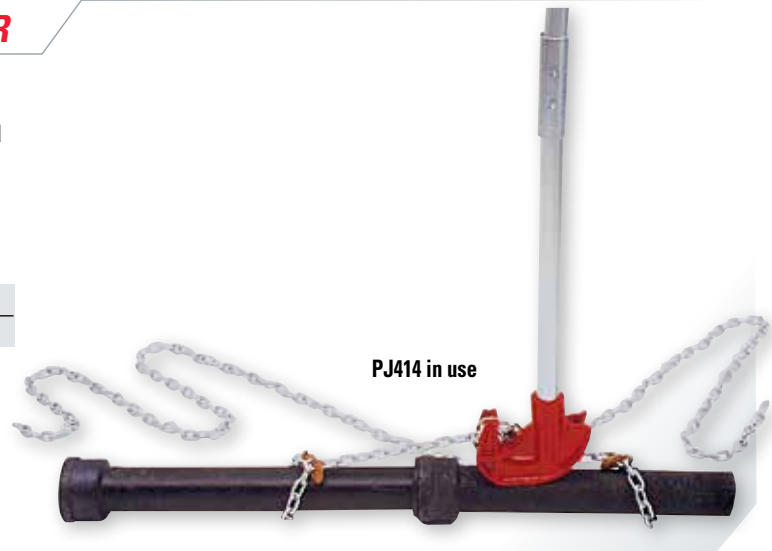
The **PJ414** utilizes a basic lever-and-chain approach to join medium and large gasketed pipe and fittings up to 14" size. It works for PVC, ductile iron, clay tile, cast iron soil pipe and concrete pipe. Use two PJ414's for heavier pipe. Uses 1/4" proof coil chain rated at 1600 lbs (727 kg). PJ414 comes complete with two 12' (3.7 m) lengths of chain, two grab hooks, plus a 2-piece extendable handle of over 4 feet that allows for a variety of applications.

Catalog No.	Item Code	Capacity		Weight	
		in-nom.	actual O.D. mm	lbs	kg
PJ414	08080	4 - 14	102 - 355	34.0	15.5

NOTES: Not for use with solvent cement joining of plastic pipe.

Double wrap chain around PVC for best grip.

PLASTIC PIPE JOINERS ON P. 36



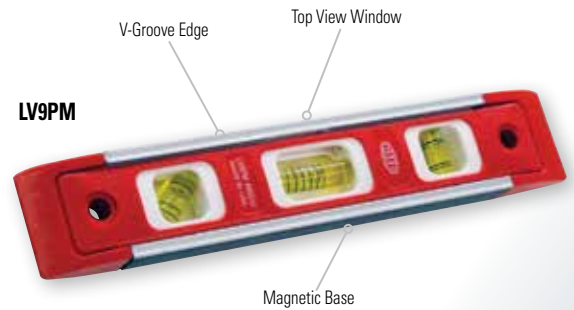
## TORPEDO LEVEL

### FEATURES

- 9-inch level with **pitch** measurements.
- **Magnetic base** to sit flat and secure during levelling work.

Sturdy plastic, frame with magnetic base and working edges precision ground flat to sit flat. V-groove edge allows level to sit on pipe. Easy-to-read as white frames surround the yellow vials for contrast. Top view window for convenience. Vials read level, plumb and 45°. Vial indicates pitch at 1/8", 1/4" or 3/8" per foot without adjustments.

Catalog No.	Item Code	Material	Size-Inches	Weight	
				lbs	kg
LV9PM	06212	Plastic	5/8 X 1 1/4 X 9	0.3	0.1



## HACK SAW & BLADES

### FEATURES

- Bi-metal blades provide best performance on steel pipe.
- **Tensioning knob** for adjustments and quick blade changes.
- Four permanent mounting pins permit both straight cutting and 45° angle for flush cutting.
- Room to store spares blades in frame.

This versatile, high end hack saw and its replacement blades are adaptable to cut a wide variety of materials including steel, copper and plastic pipe. **HK1228** is a high-tension style hack saw. Bi-metal blades have a high speed steel cutting edge and are electron-beam welded to alloy steel back, with wavy set. When used with high-tension frames, bi-metal blades provide best performance. Blades and hack saw frames are interchangeable with Stanley®, Lenox®, Starrett®, M.K. Morse® and RIDGID®, among others.

### HACK SAW

Catalog No.	Item Code	Description	Blade	Throat Depth Inches	Weight	
					lbs	kg
HK1228	04489	High Tension Hack Saw	Bi-Metal Blade	4 3/4	1.8	0.8

### BI-METAL BLADES

Catalog No.	Item Code	Teeth per Inch	Length/Width/Thickness		Std. Pkg.	Weight	
			in-nom.	mm		lbs	kg
BH18	04491	18	12 x 1/2 x .025	300 x 13 x 0.6	10	0.5	0.2
BH24	04492	24	12 x 1/2 x .025	300 x 13 x 0.6	10	0.5	0.2
BH32	04493	32	12 x 1/2 x .025	300 x 13 x 0.6	10	0.5	0.2

NOTE: Coarse teeth (less teeth per inch) are to be used for softer materials like aluminum, brass or low carbon steels. The larger spaces between teeth keep them from clogging with metal fragments. Finer teeth are to be used on tougher or slightly harder materials like alloy, tool steels and some stainless steels.





WPP10

## WATER PUMP PLIERS

### FEATURES

- Designed for **one-hand operation**.
- Built-in stop prevents hand injuries.

Water Pump Pliers have a forged, slip joint design for one-hand operation. Pipe-wrench-style milled teeth, traditional 32° angle nose and zinc plating which inhibits corrosion. Water pump pliers are large enough to handle 1 1/2" slip nuts on traps and have maximum capacity of 2" nominal. Handles are always parallel, even with jaws fully extended.

Catalog No.	Item Code	Pipe Capacity		Length		Weight	
		in-nom.	actual O.D. mm	in	mm	lbs	kg
WPP10	02650	2" pipe 1 1/2" slip nuts	63	10	254	0.9	0.4



PGP10

PGP12

## POSITIVE GRIP PLIERS

### FEATURES

- Offset head design **reaches into tight areas** and allows for **better leverage**.
- Top and bottom jaw "v" shape permits pliers to grip a wide variety of shapes.
- **Superior fastener** surpasses traditional nut and bolt tightness issues.

Positive Grip Pliers offer a combination of jaw design, offset head, handle and tongue-and-groove design. They only require downward pressure on the handle, no squeezing, once pliers are engaged. Smooth tongue-and-groove action makes these the most effective pliers on the market for one-hand operation. **Patented** rib prevents finger pinching. Positive grip pliers are forged from high quality, high carbon steel and fully heat-treated for long life.

Catalog No.	Item Code	Pipe Capacity		Length		Weight	
		in-nom.	actual O.D. mm	in	mm	lbs	kg
PGP10	02655	1	35	9.5	245	0.7	0.3
PGP12	02656	2	63	12	305	1.5	0.7



TRC2D

TRC1S

TRC3/8

## THREADED ROD CUTTERS

### FEATURES

- Mounting hole in lower handle for a permanent mounting option.
- Heat-treated dies for **durability**.
- **Comfort grip** on upper handle.

Threaded Rod Cutters give a fast, clean cut on soft steel threaded rod and eliminate the need for grinding or filing. Threaded rod is commonly used on construction sites to secure pipe, conduit, duct work and other construction elements. Head is made of forged alloy steel while cutting dies are heat-treated for strength. Powder-coated, painted handle features a drilled hole on the lower handle for permanent mounting to a benchtop or other surface. Tools feature a comfort handle grip on the upper handle. **TRC2D** features two cutting spots for 1/2" or 3/8" and long handle for greater leverage. The **TRC1S**, with a single cutting space, ships with 3/8" dies and can be outfitted with optional dies for 1/4" and 5/16" rod.

Catalog No.	Item Code	Description	Weight	
			lbs	kg
TRC1S	04760	Ships with 3/8" dies	9	4.1
TRC2D	04761	Ships with dies for 1/2" and 3/8" threaded rod	16	7.3

### DIES FOR THREADED ROD CUTTERS

Catalog No.	Item Code	Description	Weight	
			lbs	kg
TRCD1/4	04765	1/4" die set	0.2	0.1
TRCD5/16	04766	5/16" die set	0.2	0.1
TRCD3/8	04767	3/8" die set	0.2	0.1
TRCD1/2*	04768	1/2" die set	0.3	0.1

\*1/2" dies only fit TRC2D.



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## REED EDUCATION & TRAINING

- *Online video training*
- *Site visits for live demonstrations*
- *Devoted, in-person, local sales support*
- *Daily support by phone/email from knowledgeable inside sales associates*
- *Annual factory training*

### *Goes Above & Beyond*

Reed Manufacturing believes in the importance of continuing education and training. Reed offers in-depth, on-site training to end-users and distributor sales teams. Live demonstrations ensure that tool users obtain the comfort level needed to be efficient with Reed tools. Demonstrations also give tool users a chance to provide valuable feedback to Reed for product needs and improvement ideas.

To provide our customers with the best service and freshest knowledge, Reed Regional Managers, Manufacturer's Representatives, and Reed Associates receive annual factory training, along with bimonthly e-news updates. The Product Development department engineers, senior Regional Managers, and Reed management give hands-on tool training and marketing sessions annually to keep the whole Reed team up-to-date on established and new products. New Regional Managers are formally trained one-on-one, in-house over a 4-5 week period, to learn the tools thoroughly.

Reed people know the products inside and out. They assemble and disassemble tools in addition to working with the tools in simulated and field situations. The Reed sales team understands tool applications and takes their knowledge to tool users and recommends how to achieve the best results with Reed pipe tools and vises. Reed's trained salespeople, located across the world, along with our website including online training videos and instruction manuals, extend the training beyond Reed's Erie, Pennsylvania headquarters.

[www.reedmfgco.com](http://www.reedmfgco.com)

*To request a tool demonstration or consultation, check SALES CONTACTS online, email [reedsales@reedmfgco.com](mailto:reedsales@reedmfgco.com) or call 800.666.3691 (US/Canada) or 814.452.3691 (International).*