

WATER SERVICES TOOLS & MACHINES

SECTION 4

Direct Tapping Machine

Drilling Machines

Combination Drilling/
Tapping Machines **NEW**

PVC/PE Drilling Machines

Power Tapping &
Drilling Machines **NEW**

Feed Tap™ Drilling Machines **NEW**

PE Water Service Shut-Off Tool

Standing Shut-Off Tool

Copper Shut-Off Tools

Hammer & Flare Tools

Rerounding Tools

Round It® Straightener/Rerounders **NEW**

Electric Hydrostatic Test Pumps **NEW**

Hydrostatic Test Pumps

Meter Pit Pump

Valve & Curb Keys **NEW**

Ratcheting Valve Keys **NEW**

Valve Operators **NEW**

Valve Key Socket Kit **NEW**

Meter Box & Curb Box Lid Keys

Valve Box Cleaners **NEW**

Manhole Hooks



Direct Tapping Machine†

Reed's Direct Tapping Machine is used to drill and tap water mains while under pressure, then to install 3/4" or 1" corporation stops in a 2-step operation. It covers a range of 4" - 48" cast or ductile iron and C900 PVC with the use of saddles and chain extensions (saddles sold separate). The **TM1100** features a **flip clamp** feed system. Anodized and epoxy-painted aluminum frames provide a lightweight yet sturdy machine for tough in-ditch applications. The swing valve allows easy change-out from drill tap to corporation insertion tool without main shutdown. Uses Reed DT and DTP series drill taps.



TM1100

TRAINING AVAILABLE

BEST EVER!

Catalog No.	Item Code	Size Inches	Pipe Diameter		Weight*	
			In-Nom.	Actual Ømm	lbs	kg
TM1100	09300	3/4 - 1	4 - 48	100 - 1300	101.8	46.3

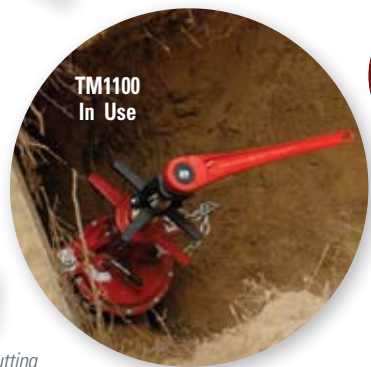
*Including Box & Accessories – TM1100 unit alone weighs 40.4 lbs / 21 kg
SMOOTH JAW WRENCHES ON P. 70

Contact Reed for information on #09319 retro fit kit for old style TM1000 series to TM1100 series.

†Spec Booklet available #01071



DT75



TM1100 In Use

4

ACCESSORIES

DRILL TAPS

Reed Drill Taps fit all Reed, Mueller® B-100, B-101, A-2 and A-3, Ridgid®/Footage®, plus the Romac® / Transmate® B1 tapping machines.

Catalog No.	Item Code	Drill Size Inches	Thread	Pipe Material	Weight	
					lbs	kg
DT75*	04390	3/4	CC	Cast/Ductile	1.1	0.5
DT100	04391	1	CC	Cast/Ductile	1.3	0.6
DT75P	04396	3/4	CC	C900 PVC	1.0	0.5
DT100P	04397	1	CC	C900 PVC	1.4	0.6

*AWWA Approved for Tapping Contest.

✓ WHY REED?
DT75/DT100 performs fast with six cutting edges for clean threads and fewer leaks. Has a sharper point for easiest starting.



DT75P

✓ WHY REED?
The unique three-flute design of DT75P/DT100P bores into the pipe with less effort than other drill tap designs and ensures that the coupon and cuttings are retained.

TAPPING SADDLES*

Catalog No.	Item Code	Description
TS4	98442	4" Saddle
TS6	98439	6" Saddle
TS8	98440	8" Saddle
TS10	98441	10" Saddle
TS12	98438	12" Saddle
TS16	98443	16" Saddle
TS18	98444	18" Saddle
TS20	98445	20" Saddle
TS24	98446	24" Saddle
TS36	98447	36" Saddle
TS42	98448	42" Saddle
TS48	98449	48" Saddle

*Also fit Mueller® machines.



TS6

TMTC



✓ WHY REED?
Food-grade compound that **does not** contaminate water, making this compound environmentally friendly.

TAPPING COMPOUND

Catalog No.	Item Code	Description
TMTC	98425	16 oz. (.45 kg) Resealable Can
★ TMTC8	99139	8 oz. Bottle
★ NEW		

BEST EVER!



Flip Clamp

✓ WHY REED?
"Flip Clamp" feed system is fast and easy to use; just flip the yoke to engage the boring bar. Reed's Tapping Machine is a better value than the competition and is made in the USA. TM1100 ships with all necessary parts, including the corp insertion tools. Plus, by ordering the saddles and drill taps separately, one only needs to purchase the right sizes for the job. Additionally, the Tapping Machine can be converted to a drilling machine for up to 2" saddle taps, thus saving money over the purchase of a separate machine.†

Ridgid® is a registered trademark of Ridgid, Inc. and is not associated with Reed Manufacturing Company.



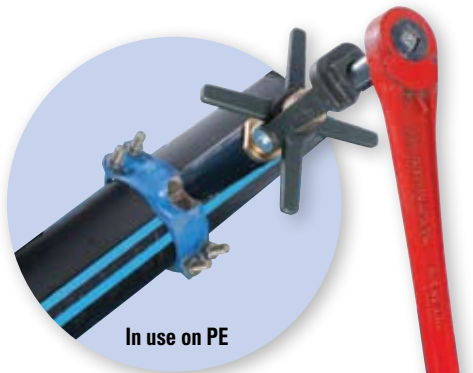
BEST EVER!



DM2100

†Spec Booklet available #01071

TRAINING AVAILABLE



In use on PE



D688

PL1438

NOTE: For shell cutters and hole cutters, attachment thread is 5/8 - 18.



HS1750

HDHS1438

Drilling Machines†

Drilling Machines cut or drill through the pipe wall of cast iron, ductile iron, C900 PVC and PE water mains via the corporation stop inserted into the service saddle while under pressure. They use Reed D series drill bits or hole cutters. The **DM2100B** machine consists of the base unit, which allows the customer to purchase separately individual corporation adapters, drill or hole cutter adapters, along with necessary drills or hole cutters. With shell cutters and necessary adapters, these units can also be used on C900 PVC pipe. **DM2100110** is for use with Mueller® 110 compression corporation stops. **DM2100CCNPT** is a combination of 3/4" and 1" AWWA CC thread and 1 1/2" and 2" NPT thread adapters. **DM2100UNIVERSAL** has the base and accessories to work for AWWA and NPT threads up to 2".

Catalog No.	Item Code	Size Inches	Weight**	
			lbs	kg
DM2100B	09301	DM2100 Base Machine	49.5	22.5
DM1100	09302	3/4 - 1	53.0	24.1
DM1100NPT	09305	3/4 - 1 NPT	53.0	24.1
DM1100BSPT	09307	1/2 - 1 BSPT	53.0	24.1
DM2100BSPT	09308	3/4 - 2 BSPT	55.5	25.2
DM2100	09312	3/4 - 2	55.5	25.2
DM2100NPT*	09315	3/4 - 2 NPT	55.5	25.2
DM2100110*	09317	3/4 - 2 110 Compression	55.5	25.2
DM2100CCNPT	09318	3/4 - 1 AWWA 1 1/2 - 2 NPT	55.5	25.2
DM2100UNIVERSAL	09321	3/4 - 2 AWWA & NPT	60.0	27.3

*#99390 boring bar needed for 2" iron body gate valves.

**Drilling Machine unit alone weighs 13.3 lbs / 6.0 kg

SMOOTH JAW WRENCHES ON P. 70

ACCESSORIES SELECTION CHART ON P. 43

D SERIES DRILL BITS

Drill bits are designed for use with Reed drilling machines and Mueller® E5/D5 only; both of which use saddles. These spiral drills are made from strong, high-speed steel, and are heat-treated for longer life. They are black oxide coated for corrosion resistance, and are much easier cutting than other drills as the spiral motion clears chips away from the cut. Recommended for cast iron and ductile iron, including cement-lined ductile iron.

Catalog No.	Item Code	Drill Size in	Nom. Corp. Size in*	Weight	
				lbs	kg
D438	04379	7/16	1/2"	0.2	0.1
D688	04380	11/16	3/4"	0.3	0.1
D875	04381	7/8	1"	0.5	0.2
D938	04382	15/16	1"	0.6	0.3

*Check manufacturer's fitting specifications for proper hole diameter.

PVC/PE SHELL CUTTERS

Shells cut through service saddles on PVC and PE. For use with Reed's Drilling Machines and DMPVC. They also fit Ford® and Mueller D® and PL-2 machines.

Catalog No.	Item Code	Shell Size in.	Nom. Corp. Size in.*	Weight	
				lbs	kg
PL688	04385	11/16	3/4"	0.2	0.1
PL875	04386	7/8	1"	0.2	0.1
PL1438	04387	17/16	1 1/2"	0.5	0.2
PL1750	04392	13/4	2"	0.7	0.3

STANDARD CARBIDE-TIPPED HOLE CUTTERS

Economical, carbide-tipped hole cutters are used with an adapter for Reed DM2100 series and Ford #77® machines. Black oxide coated for corrosion resistance. Recommended for cast iron and ductile iron, including cement-lined ductile iron.

Catalog No.	Item Code	Hole Cutter Size inches*	Nom. Corp. Size in*	Weight	
				lbs	kg
HS1438	04370	1 7/16	1 1/2"	0.2	0.1
HS1750	04371	1 3/4	2"	0.2	0.1
HS1875	04372	1 7/8	2"	0.3	0.1

*Check manufacturer's fitting specifications for proper hole diameter.

HEAVY-DUTY CARBIDE-TIPPED HOLE CUTTERS

For use with Reed DM2100 Series Drilling Machines, these cutters provide more cuts into mains than standard hole cutters. Thicker walls, bigger carbides, and high-temperature brazing are the heavy-duty features that help withstand many cuts. These are the best choice for cutting cast iron and ductile iron pipe, including cement-lined ductile iron.

Catalog No.	Item Code	Hole Cutter Size in.	Nom. Corp. Size in.	Weight	
				lbs	kg
HDHS1438	04354	1 7/16	1 1/2"	0.4	0.18
HDHS1750	04355	1 3/4	2"	0.5	0.23
HDHS1875	04356	1 7/8	2"	0.6	0.27

PILOT DRILLS

Catalog No.	Item Code	Size	Weight	
			lbs	kg
PD25	04373	3" x 1/4" for HS Series	0.1	0.05
HSPD	04561	4 3/8" x 1/4" for HDHS Series	0.1	0.05

ADAPTERS FOR DRILLS, HOLE CUTTERS, AND SHELL CUTTERS

Catalog No.	Item Code	Fits Size	Weight	
			lbs	kg
DMHSA*	08413	1 1/2" & 2" Shell & Hole Cutters	0.4	0.2
HSAS	98457	3/4" & 1" Hole Cutter Adapter	0.5	0.2
DMDA75	98461	3/4" for D688	0.4	0.2
DMDA100	98462	1" for D875 & D938	0.5	0.2
DMCA75EXT	98481	3/4" Extended	0.4	0.2
DMCA100EXT	98482	1" Extended	0.7	0.3
DMAVPCEXT	98489	3/4" & 1" PVC Extended	0.6	0.3
DMAVPVC	94150	3/4" & 1" PVC Shell	0.5	0.2

*DMHSA (#08413) is included with purchase of any new 2100 Series Drilling or Combination Machine.

CORPORATION ADAPTERS

Catalog No.	Item Code	Fits Size	Weight	
			lbs	kg
DMCA75	08423	3/4" AWWA	2.2	1.0
DMCA100	08424	1" AWWA	2.2	1.0
DMCA150	08425	1 1/2" AWWA	1.0	0.5
DMCA200	08426	2" AWWA	1.1	0.5
DMCA110150	08431	1 1/2" Mueller® 110 Comp	1.3	0.6
DMCA110200	08432	2" Mueller® 110 Comp	1.3	0.6
DMCA150NPT	08428	1 1/2" NPT	0.8	0.4
DMCA200NPT	08429	2" NPT	0.8	0.4
DMCA2.5	08433	2.5" NPT	1.1	0.5
DMCA125BSPT	08434	1 1/4" BSPT	2.2	1.0
DMCA150BSPT	08435	1 1/2" BSPT	0.8	0.4
DMCA200BSPT	08436	2" BSPT	0.8	0.4
DMCA100IPS	98499	1" IPS	0.8	0.4

BORING BARS

Catalog No.	Item Code	Description
DM1100BB	99304	Boring Bar
DM11BBEXT	99390	Extended Boring Bar for 2" Gate Valves

Selection Chart

To select the proper cutter for the proper type of pipe, use the below chart.

Catalog No.	Item Code	Size Inches	Type of Water Main		
			PE/PVC	Cast Iron	Cement-Lined Ductile
D SERIES DRILL BITS					
D438	04379	7/16		X	X
D688	04380	11/16		X	X
D875	04381	7/8		X	X
D938	04382	15/16		X	X
PVC/PE SHELL CUTTERS					
PL688	04385	11/16	X		
PL875	04386	7/8	X		
PL1438	04387	17/16	X		
PL1750	04392	13/4	X		
CARBIDE-TIPPED HOLE CUTTERS					
HS1438	04370	1 7/16			X
HS1750	04371	1 3/4			X
HS1875	04372	1 7/8			X
HEAVY-DUTY CARBIDE-TIPPED HOLE CUTTERS					
HDHS1438	04354	1 7/16		X	X
HDHS1750	04355	1 3/4		X	X
HDHS1875	04356	1 7/8		X	X



Contact Reed for information on retro fit kits #09320 for old style DM1000 and DM2000 series.



✓ WHY REED?

Heavy-duty Drilling Machine is compact and lightweight to make up to 2" saddle taps. Reed offers many different versions to meet individual customer needs.



www.reedmfgco.com

For the latest information on **NEW REED Tools!**



BEST EVER!

TRAINING AVAILABLE

CDTM2100

Flip Clamp

✓ WHY REED?

One combination machine assembles as a drilling machine or a direct tapping machine. Offers 10%+ cost savings versus the purchase of two separate machines.

Combination Drilling/Tapping Machines†

Combination Drilling/Tapping Machines are easier to use, save operating time, and are a better value than any other machine. The CDTM models are tapping machines with the necessary components for conversion to drilling machines. The **CDTM1100** is a TM1100 with components for converting to a DM1100. The **CDTM2100** is a TM1100 with components for converting to a DM2100. All these models feature Reed's **flip clamp**. It utilizes Reed DT series drill taps and Reed D series drill bits, hole cutters, heavy-duty hole cutters, and PVC shell cutters. These items must be purchased separately. NPT adapters also available.

Catalog No.	Item Code	Description	Pipe Diameter		Weight*	
			In-Nom.	Actual Ømm	lbs	kg
CDTM1100	09304	3/4" - 1" Tap & Drill	4 - 48	100 - 1200	114.4	52.0
CDTM2100	09314	3/4" - 1" Tap 3/4" - 2" Drill	4 - 48	100 - 1200	116.5	53.0
CDTM2100110	09323	CDTM2100 with 110 Adapters 3/4" - 1" Tap, 3/4" - 2" Drill	4 - 48	100 - 1200	116.5	53.0

*Including Box
TAPS, BITS, CUTTERS AND ADAPTERS ON P. 41-43
SMOOTH JAW WRENCHES ON P. 70

CONVERSION KITS †

Catalog No.	Item Code	Converts
CDTM1CONV	09306	TM1100 to CDTM1100
CDTM2CONV	09316	TM1100 to CDTM2100
★ CDTM2110CONV	09322	TM1100 to CDTM2100110

★ NEW
† Spec Booklet available #01071

PVC/PE Drilling Machines†

The PVC/PE Drilling Machine is used to cut through the pipe wall via the corporation stop inserted into the service saddle while under pressure. The **DMPVC** consists of the base unit and corporation (corp) adapters in a carrying case. PVC/PE Shell Cutters are sold separately. The **DMPVCBASE** machine consists of the base unit in a storage tube, allowing the customer to purchase necessary corp adapters and shell cutters. **DMPVC3/4** and **DMPVC1** kits include one shell cutter, one corp adapter, DMPVCBASE, and a storage tube. **DMPVC COMPLETE** ships in a plastic toolbox and includes the DMPVCBASE along with corp adapters and PVC shell cutters for both 3/4" and 1" drilling projects. NPT to CC corp adapter converters, and a 7/16" socket wrench complete the set.

Catalog No.	Item Code	Size Inches	Weight	
			lbs	kg
DMPVC	04402	3/4 - 1	8.4	3.8
DMPVCBASE	04401	3/4 - 1	3.7	1.7
DMPVC COMPLETE	04404	3/4 - 1	11.0	5.0
DMPVC3/4	04418	3/4	4.0	1.8
DMPVC1	04420	1	4.0	1.8

† Spec Booklet available #01071

ACCESSORIES

PVC/PE SHELL CUTTERS

Shells cut through service saddles on PVC and PE, retaining the coupon and gathering all chips. For use with Reed's DMPVC and Drilling Machines. They also fit Mueller D® and PL-2 machines.

Catalog No.	Item Code	Shell Size in.	Nom. Corp. Size in.	Weight	
				lbs	kg
PL688	04385	1 1/16	3/4"	0.2	0.1
PL875	04386	7/8	1"	0.2	0.1

CORPORATION ADAPTERS

Catalog No.	Item Code	Fits Size	Weight	
			lbs	kg
DMCA75PVC	04426	3/4" AWWA	1.5	0.7
DMCA100PVC	04427	1" AWWA	1.1	0.5
DM75CONV	98472	3/4" NPT - AWWA Converter	0.4	0.2
DM100CONV	98473	1" NPT - AWWA Converter	0.6	0.3



DMPVC

DMPVC COMPLETE

TRAINING AVAILABLE



PL688

✓ WHY REED?

These shell cutters easily bore through even the heaviest wall PVC/PE pipe and retain the coupon and most cuttings.

NEW Power Tapping & Drilling Machines

Add power to your drilling and tapping, and save hours of hand-cranking. Economical **601PDTAP** is a portable, electric-motor-driven, lightweight, good value power drive. 601PDTAP specifically powers the Reed DM1100, DM2100, TM1100, CDTM1100, and CDTM2100 models including all variations. Plated metal bar reinforces the plastic handle to protect the housing from excess torque. The **700PDTMPDA** is a heavy-duty workhorse designed for constant, everyday use and consists of the 700PD Power Drive and the **TMPDA** adapter. The TMPDA fits the $\frac{13}{16}$ " boring bar that is common on popular drilling and tapping machines. The operator manually turns the star feed on the tapping or drilling machine while the 700PD power drive adapter turns the boring bar. The **700PD15/16** can be used with Ridgid® 141/161 geared threaders to thread 2 1/2" through 6" pipe or can be tightened down to fit Reed's tap/drill machines.

Catalog No.	Item Code	Weight		Description
		lbs	kg	
★ 601PDTAP	05246	17.0	7.7	601PD Tap/Drill with adapter*
★ 700PDTMPDA	05276	34.0	15.5	700PD and TMPDA adapter
★ 700PDA15/16	05279	33.7	15.3	700PD Power Drive and $\frac{15}{16}$ " square drive adapter

★ **NEW**

* 601PDTAP adapter *NOT* sold separately.

ACCESSORIES

Catalog No.	Item Code	Weight		Description
		lbs	kg	
PDGFI	05277	0.7	0.3	Ground Fault Interrupter
TMPDA	08430	4.0	1.8	$\frac{13}{16}$ " Power Drive Adapter Only for 700PD
TMPDA1516	05278	4.0	1.8	$\frac{15}{16}$ " Square Drive Adapter for 700PD

GROUND FAULT INTERRUPTER ON P. 25
POWER DRIVES ON P. 24-25



**REED DELIVERS
VALUE
WORLDWIDE...
GUARANTEED!**

**QUALITY
& Service**
that Last a Lifetime

Mission Statement

Reed will develop a growing market position in the pipe tool industry by providing the most innovative and the highest quality tools, the best customer service, the lowest total cost, and the greatest value to distributors and users.

Reed seeks to utilize very effective personnel, the most modern, cost-effective equipment, and total quality management concepts in order to achieve challenging objectives. Reed also seeks to provide a great place to work, to be environmentally responsible, and to be a good corporate citizen.

NEW Feed Tap™ Drilling Machine

Reed's Feed Tap™ is a great waterworks tool that drills through PVC, PE, cast iron, ductile iron and steel pipe while under pressure using a corporation stop inserted into a service saddle. The compact design, featuring a separate, independent feed control for advancing the heavy-duty shell cutter into the pipe, allows the user to easily complete the tap using an electric or cordless drill, right angle drill, or even a 7/16" wrench with manual power. Forcing a cutter without a controlled feed can break the pipe. The **FTB** consists of the base unit which allows the user to purchase individual shell cutters and corporation adapters separately, as needed. A complete kit is sold as **FT2000UNIV**.

Catalog No.	Item Code	Description	Weight	
			lbs	kg
★ FTB	09160	Feed Tap™ Base Machine	22.5	10.2
★ FT2000UNIV	09165	Complete Feed Tap™ Kit 3/4" - 2"	34.0	15.5
★ FT2000CC110	09161	AWWA/110 Comp Feed Tap™ Kit 3/4" - 2"	31.5	14.3
★ FT2000	09162	AWWA Feed Tap™ Kit 3/4" - 2"	27.8	12.6
★ FT2000110	09163	110 Comp Feed Tap™ Kit 3/4" - 2"	28.0	12.7
★ FT2000NPT	09164	NPT Feed Tap™ Kit 3/4" - 2"	26.5	12.0
★ FT2000CCNPT	09166	AWWA/110 Comp 3/4" - 1" NPT 1 1/2" - 2" Feed Tap™ Kit	28.7	13.0
★ FT1000CC110	09167	AWWA/110 Comp Feed Tap™ Kit 3/4" - 1"	24.4	11.1

NOTE: Feed Tap™ is designed to be used with corporation stops and bronze gate valves up to 2". The tool is not designed to be used with 2" iron body gate valves.

ACCESSORIES

CORPORATION ADAPTERS

Catalog No.	Item Code	Description	Weight	
			lbs	kg
★ FT75CC110	09170	3/4" AWWA and 110 Comp	.60	.27
★ FT100CC110	09171	1" AWWA and 110 Comp	.55	.25
★ FT150	09172	1 1/2" AWWA	1.20	.55
★ FT200	09174	2" AWWA	1.40	.64
★ FT150110	09173	1 1/2" 110 Comp	1.35	.61
★ FT200110	09175	2" 110 Comp	1.40	.64
★ DMCA100IPS*	98499	1" IPS	.80	.40
★ FT75NPT	99117	3/4" NPT	.45	.20
★ FT100NPT	99118	1" NPT	.45	.20
★ FT150NPT	99109	1 1/2" NPT	.80	.36
★ FT200NPT	99112	2" NPT	.80	.36

*Requires #09171 adapter.

HEAVY-DUTY SHELL CUTTERS

Shell cutters cut up to 2" deep and fit most standard arbors and competitive machines. The attachment thread is 1/2 - 20. Each tooth has carbide inserts which long outlast bi-metal teeth.

Catalog No.	Item Code	Shell Cutter Size Inches*	Weight	
			lbs	kg
★ FTSC688	99132	11/16	.09	.04
★ FTSC875	99134	7/8	.15	.07
★ FTSC1438	99137	1 7/16	.41	.19
★ FTSC1750	99138	1 3/4	.57	.26

*Check manufacturer's fitting specifications for proper hole diameter.

MISCELLANEOUS

Catalog No.	Item Code	Description
★ FTAA	09113	Arbor Assembly used with 1 7/16 and 1 3/4 Shell Cutter
★ CRPD25	99129	1/4" diameter Carbide Tipped Coupon Retaining Drill Bit

TAPPING COMPOUND

Food-grade compound that **does not** contaminate water, making this compound environmentally friendly.

Catalog No.	Item Code	Description
TMTC	98425	16 oz. (.45 kg) Resealable Can
★ TMTC8	99139	8 oz. Bottle

★ **NEW**



FT2000UNIV



Works great with cordless or corded drills.



FTSC875

Manual Feed Control



Independent, controlled feed makes this the preferred tool for PVC taps.

CRPD25



TMTC



NEW

TMTC8



FTAA

PE Water Service Shut-Off Tool

Designed for emergency shut-off of PE water services. Front end features a snap hinge device that can be taken apart quickly to allow work in confined areas. Knurled grip catches and holds the pipe. Open end has latch to hold tool closed until the repair is made. Zinc plated for corrosion resistance.

Catalog No.	Item Code	Pipe Capacity		Length		Weight	
		Inches-Nom.	Actual Ø mm	in	mm	lbs	kg
PES01	04300	3/4 - 1	19 - 25	18	457	2.7	1.2

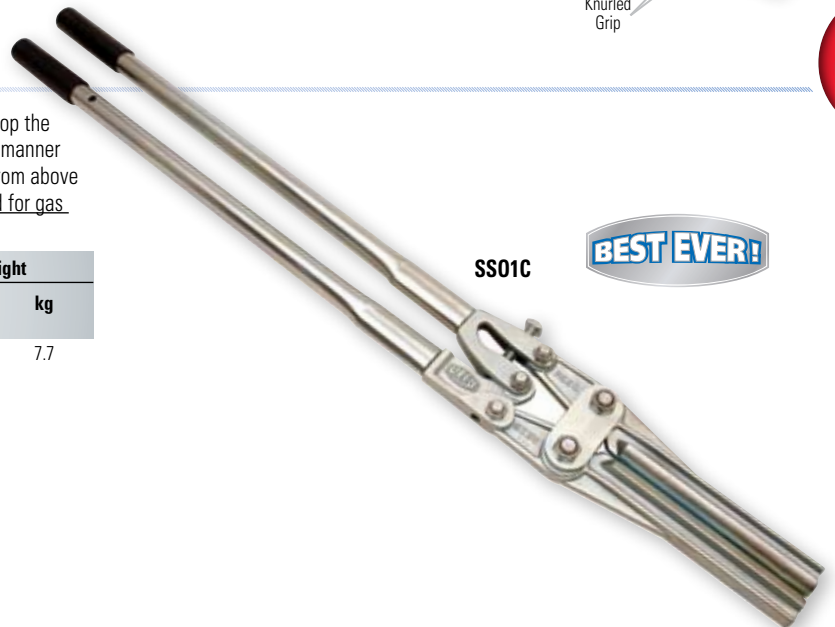


Standing Shut-Off Tool

Reed's Standing Shut-Off Tool compresses 3/4" to 1" PE plastic tubes to stop the flow of water. The tool uses 30" handles to develop a clamping force in a manner similar to a pair of bolt cutters. The long handles make for easy shut off from above the ditch with a chain (not included*) to hold the tool closed. Not intended for gas service lines.

Catalog No.	Item Code	Pipe Capacity		Length		Weight	
		Inches-Nom.	Actual Ø mm	in	mm	lbs	kg
SS01C	04281	3/4 - 1	19 - 25	47	1194	17.0	7.7

*9 3/4" Chain #99055 may be ordered separately.
PE SQUEEZE-OFF TOOLS (FOR GAS SERVICES) ON P. 58



Copper Shut-Off Tools

These tools are designed to shut off and reshape 3/4" through 2" Type K copper tubing. The tool swings open to go around the pipe. Fine threads on the screw provide smooth, easy tightening. Sliding bar handle is used to increase leverage for turning and to permit work in tight places. The handle can be positioned in two different spots, depending on where there is clearance. The bottom open area is used to reround the tubing to allow 80-90% return of flow. All parts are corrosion-protected for long service life. Grease fittings for lubrication yield long tool life and easy operation.

Catalog No.	Item Code	Tube Capacity		Weight	
		in	mm	lbs	kg
CS01	08200	3/4 - 1	19 - 25	7.9	3.6
CS02	08202	1 1/4 - 2	32 - 51	13.0	5.9



Hammer & Flare Tools

High quality hardened steel flaring tools for making 45° flares on Type K soft copper water service tubing. Flare tools have larger pilots and finger grip areas for safety. Soft-faced brass hammer has an overall length of 14 1/2" and is designed for safe use of flaring tools as the brass head absorbs some of the striking shock.

FLARE TOOLS

Catalog No.	Item Code	Copper Tube Size	Weight	
			lbs	kg
HF3/4*	06071	3/4"	1.0	0.5
HF1	06072	1"	1.5	0.7
HF1 1/2	06077	1 1/2"	3.2	1.5
HF2	06078	2"	4.9	2.2

BRASS HAMMER

Catalog No.	Item Code	Weight	
		lbs	kg
HAM3*	06088	2.8	1.3

*AWWA Approved for Tapping Contest.

PRESSURE-RELIEVING HAMMER FLARES

With precision channels drilled from the tool's end to its side, they allow flaring even when water is in the service line. Use only on Type K soft copper water service tubing, with brass hammers for safety.

Catalog No.	Item Code	Copper Tube Size	Length		Weight	
			in	mm	lbs	kg
PRHF3/4	06073	3/4"	7.5	191	2.0	0.9
PRHF1	06074	1"	7.5	191	2.3	1.0

Rerounding Tools

Tools easily and quickly reround Type K copper tubing for better seal when compression fittings are used. Use only with brass hammers for added safety.

Catalog No.	Item Code	Copper Tube Size	Length		Weight	
			in	mm	lbs	kg
RR 3/4	06081	3/4"	6	152	0.7	0.3
RR1	06082	1"	6.5	165	1.3	0.6
RR1 1/2	06084	1 1/2"	8	203	2.8	1.3
RR2	06085	2"	9	229	5.4	2.5

Round It® Straightener/Rerounder

Time-and-material saving **CSR2** handles 1 1/2" and 2" K annealed copper. Grips the end of a coil so uncoiling is easy; rerounds oval tubing or mild kinks anywhere along its length so cutter will track and fitting will seal properly. Provides safe grip when flaring, and guides copper into alignment for easier fit-ups. 3/4" **RCR3/4** and 1" **RCR1** tools are especially useful when tubing is wet for a solid grip when straightening and fitting up. **RCR341** offers all the same features as both RCR1 and RCR3/4 as it includes jaws for either size tubing. The long-handled RCR rerounders are beneficial when extra leverage is needed. The **CSR3/4** and **CSR1** have shorter handles to fit into close quarters.

Catalog No.	Item Code	Nominal Capacity	Length		Weight	
			in	mm	lbs	kg
CSR2	08220	1 1/2" & 2"	38	965	22.0	10.0
★ CSR3/4	08222	3/4"	9	230	2.0	0.9
★ CSR1	08223	1"	9 1/2	241.3	1.8	0.8
RCR3/4	08226	3/4"	18	457	4.5	2.0
RCR1	08227	1"	18	457	4.5	2.0
RCR341	08228	3/4" & 1"	18	457	5.5	2.5

★ NEW



✓ WHY REED?

Safety first! Reed always recommends brass hammers with Flare Tools, Pressure Relieving Hammer Flares, and Rerounding Tools.



TRAINING AVAILABLE



XTRA VALUE!

NEW Electric Hydrostatic Test Pumps

Reed's **EHTP500** and **EHTP500C** are designed for pressure testing water systems such as water meters, plumbing lines, pressure vessels, solar systems and sprinkler systems, in both residential and commercial buildings. A standard 110V outlet is required and the electric motor is UL certified. The output pressure is easily adjusted simply by turning a knob and watching the attached gauge. A built-in bypass allows for automatic water recirculation once the set pressure is reached. When the pump is turned off, it can be easily disconnected from the test system and taken elsewhere or stored away. The hose-to-pump connection features a quick disconnect with built-in check valve, which allows for convenient setup and portability. Each pump includes a high pressure **EHTPOUTHOSE** for filling the system.

Electric models reach pressure faster and save labor costs.

EHTP500C



EHTP500



Catalog No.	Item Code	Capacity	Weight	
			lbs	kg
★ EHTP500	08170	500 psi	37.5	17.0
★ EHTP500C	08175	500 psi	48.0	21.8

★ NEW

REPLACEMENT HOSE

Catalog No.	Item Code	Description
★ EHTPOUTHOSE	08172	15' (4.6 m) High Pressure Output Hose

★ NEW

Hydrostatic Test Pumps

Reed's **HTP300** and **HTP1000** are designed to test water meters, plumbing lines, pressure vessels, solar systems and sprinkler systems, in both residential and commercial buildings. The units are portable and can be used to test modest irrigation lines. Pump operation requires the user to first fill the system that needs to be tested. Next, the user raises the system pressure by actuating the pump handle. Finally, the user closes the pump's ball valve at the desired pressure. The user determines leakage based on dropping pressure as indicated by the pump's pressure gauge. The pump has a relief valve that reduces the likelihood of over-pressuring the system. Hoses are sold separately.

Catalog No.	Item Code	Capacity	Weight	
			lbs	kg
HTP300	08150	300 psi	8.6	3.9
HTP1000	08160	1000 psi	8.6	3.9

ACCESSORIES

Catalog No.	Item Code	Description
HTPINHOSE	08152	Input Hose
HTPOUTHOSE	08154	Output Hose

Meter Pit Pump

Reed offers solutions for those encountering flooded meter pits. **MP175** pulls water out of pits, making them more visible, convenient, and safe. Pump could be used on a fire hydrant to drain the water for repair work. Includes a 36" (914 mm) hose of 1 3/4" diameter. The hose simply screws into a threaded section of the pump. Use the MP175 for easier, deeper pumping.

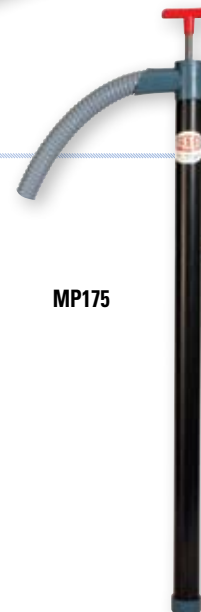
Catalog No.	Item Code	Description	Capacity oz. per Stroke	Weight	
				lbs	kg
MP175	02325	1 3/4" x 36" (914 mm) hose and pump	35	1.6	0.7

REPLACEMENT HOSES

Catalog No.	Item Code	Description	Weight	
			lbs	kg
HOSE175-6	42326	1 3/4" x 6' (1829 mm) Replacement Hose	0.8	0.4
HOSE175-3	42325	1 3/4" x 3' (914 mm) Replacement Hose	0.4	0.2



HTP300



MP175

Valve & Curb Keys

Reed Valve Keys are built for strength and durability. Upper shafts are made from heavy-gauge, mechanical steel tubing. Curb key ends are machined from solid steel. The keys have a telescoping design. When telescoped in, they are under 4 feet long and fit easily in small utility trucks, behind pickup seats, and in car trunks. When telescoped out, lengths of 5 feet to 7 feet are possible. **VK10** reaches nearly 10 feet when fully extended. **VKEXT** shaft is available to extend the keys to over 12 feet. For greater control and versatility, a variety of tools can be used on the end of T handles to turn curb stops. Optional clip-on tools can be used to turn small valve wheels, curb box rods, pentagon bolts, and Buffalo box lids. Reed customers can choose keys according to the needs of their systems.

The **VKA45** is an adjustable valve key for mains with the curb key at a 45 degree angle. This angle provides a visual indication of a ball valve's open or closed status. The handle lines up with the pipe when the valve is in the open position. The handle crosses the pipe (seeming perpendicular) with the valve in the closed position. **VK916PENT** fits gas company curb stops and lids with its 9/16" pentagon key. **VKEXT** is an extension bar with 3 positions that can be used on most Reed keys for up to 6 feet (1829 mm) of extra reach. **VKKIT** uses the VK3 upper shaft to create all VK2 and VK3 variations of valve keys.

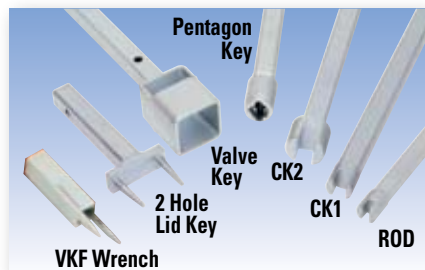
Catalog No.	Item Code	Description	Closed Length		Weight	
			in	mm	lbs	kg
VKA	02340	Adjustable Valve Key for Mains	45.5	1156	14.4	6.5
VKA45	02341	Adjustable Valve Key with 45° angle Curb Key	45.5	1156	14.9	6.8
VK2CK1	02346	Main Valve Key + 1" Curb Key	45.5	1156	14.4	6.5
VK2CK2	02347	Main Valve Key + 2" Curb Key	45.5	1156	14.5	6.6
VK2COMBO	02348	Main Valve Key + Combination curb box pentagon & rod tool	45.5	1156	14.4	6.5
VK916PENT	02352	9/16" Pentagon Key	45.5	1156	21.0	9.5
VK3CK1WHL	02353	Main Valve Key + 1" Curb Key + valve wheel 2 prong tool	45.5	1156	15.3	7.0
VK3CK1-2HL	02354	Main Valve Key + 1" Curb Key + 2 prong tool for 2 hole curb boxes	45.5	1156	15.4	7.0
VK3CK1COMBO	02355	Main Valve Key + 1" Curb Key + Combo curb box pent. & rod tool	45.5	1156	18.4	8.4
VK3CK1ROD	02356	Main Valve Key + 1" Curb Key + 9/8" slotted tool for curb box rods	45.5	1156	18.7	8.5
VK3CK1CK2	02357	Main Valve Key + 1" Curb Key + 2" Curb Key	45.5	1156	18.4	8.4
VK3CK1EXT	02358	Main Valve Key + 1" Curb Key + Extension shaft for additional 6' reach	45.5	1156	25.7	11.7
VKKIT	02360	Kit contains parts to make all VK2 and VK3 variations using the VK3 upper shaft	45.5	1156	42.5	19.3
★ HVVK	02361	Hydrant Wrench with hole to attach to valve key	20	500	3.9	1.8
★ VK3CK1HW	02362	Valve Key with CK1 curb key and Hydrant Wrench	45.5	1156	19.5	8.9
★ VK10	02720	Basic 10' Valve Key	65.0	1524	18.8	8.5
★ VK10-3CK1CK2	02737	10' Valve Key with CK1 and CK2 Keys	65.0	1524	20.2	9.2
★ VK10-3CK1EXT	02738	10' Valve Key with CK1 Key and Extension	65.0	1524	27.5	12.5
★ VKEXT	92358	Valve Key Extension	72.0	1829	11.3	5.1
★ NEW						



WHY REED?

When it comes to turning gate valves in the street and curb stop valves to buildings, Reed's selection of Valve Keys is the most complete and compact around.

KEY CHOICES



NOTE: Key ends fit regular Valve & Curb Keys only.



NEW Ratcheting Valve Keys

Ratcheting Valve Keys are great for water utilities. Back-saving ratchet handle allows work in one's comfort zone. Under 4 feet long when telescoped in, Reed keys fit well in today's smaller utility trucks, behind pickup seats, or in car trunks.

Catalog No.	Item Code	Description	Closed Length		Weight	
			in	mm	lbs	kg
★ VKRCK1	02349	Main Valve Key + 1" Curb Key & Ratchet Handle	45.5	1156	20.1	9.1
★ VKREXT	02350	Main Valve Key + Ext & Ratchet Handle	45.5	1156	26.2	11.9
★ NEW						

NOTE: Regular Valve & Curb Keys (P. 50) do not fit the ratcheting handle.

NEW Valve Operators

Provide power to make valve turns easy! This portable and economical tool is handy for preventive maintenance. Individuals working alone can isolate a leak by shutting multiple valves with this time-saving tool. In the **VOK700PD** the power drive uses electricity to drive the **VOKCLUTCH**. Clutch applies up to 150 ft-lbs of torque and disengages when torque exceeds preset value. The VOKCLUTCH accepts 1" square shafts. The Valve Key extends from 4' to 9" and recommended operation is at chest height for best leverage.



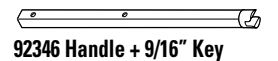
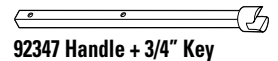
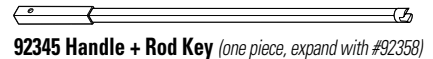
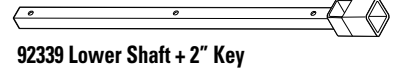
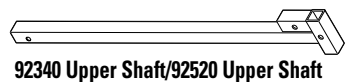
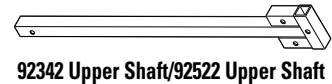
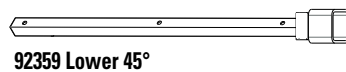
Catalog No.	Item Code	Description	Weight	
			lbs	kg
★ VOKCLUTCH	05281	Spring-Loaded Valve Key Clutch	6.8	3.1
★ VOK700PD	05288	Kit includes 700PD power drive, VOKCLUTCH, 2" valve key, and valve key extension	61.7	28.0

★ **NEW**
KEY CHOICES (P. 50) fit the Valve Operator. The selected key plus #92341 handle and #32340 wire pins are generally required.

Valve & Curb Keys Matrix

Catalog No.	Item Code	32340 PIN	92337 VKR LOWER	92339 LOWER	92340 43.25" UPPER	92342 43.25" UPPER	92343 VKR UPPER	92346 HDL9/16K	92347 HDL3/4K	92348 HDL PENT	92341 HDL	92345 HDL RODKY	92354 LID KEY	92356 VK RATCHET	92349 WHL WRE	92358 EXT	92359 LOWER 45°	92519 LOWER	92520 61.25" UPPER	92522 61.25" UPPER	02361 HWVK	Closed Length		Open Length*		Weight		
																						in	mm	ft	meters	lbs	kg	
																						VKA	02340	X	X	X		
VKA45	02341	X		X						X							X						45.5	1156	6' 8"	2.03	14.9	6.8
VK2CK1	02346	X	X	X			X																45.5	1156	6' 8"	2.03	14.4	6.5
VK2CK2	02347	X	X	X				X															45.5	1156	6' 8"	2.03	14.5	6.6
VK2COMBO	02348	X	X	X					X														45.5	1156	6' 8"	2.03	14.4	6.5
VKRCK1	02349	X	X			X	X						X			X							45.5	1156	6' 7"	2.01	20.1	9.1
VKREXT	02350	X	X			X							X		X								45.5	1156	12' 6"	3.81	26.2	11.9
VK916PENT	02352	X			X		X	X		X													45.5	1156	5' 4"	1.63	21.0	9.5
VK3CK1WHL	02353	X	X	X	X	X	X							X									45.5	1156	6' 8"	2.03	15.3	7.0
VK3CK1-2HL	02354	X	X	X	X	X						X											45.5	1156	6' 8"	2.03	15.4	7.0
VK3CK1COMBO	02355	X	X	X	X	X	X	X		X													45.5	1156	6' 8"	2.03	18.4	8.4
VK3CK1ROD	02356	X	X	X	X	X					X												45.5	1156	6' 8"	2.03	18.7	8.5
VK3CK1CK2	02357	X	X	X	X	X	X	X								X							45.5	1156	6' 8"	2.03	18.4	8.4
VK3CK1EXT	02358	X	X	X	X	X	X	X								X							45.5	1156	12' 7"	3.84	25.7	11.7
VKKIT	02360	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							45.5	1156	12' 7"	3.84	42.5	19.3
VK3CK1HW	02362	X	X	X	X	X	X	X												X			45.5	1156	6' 8"	2.03	19.5	8.9
VK10	02720	X									X							X	X				65.0	1524	9' 11"	3.02	18.8	8.5
VK10-3CK1CK2	02737	X					X	X										X	X				65.0	1524	9' 11"	3.02	22.8	10.3
VK10-3CK1EXT	02738	X					X									X		X	X				65.0	1524	15' 10"	4.83	30.1	13.7

*As sold, without any extra extensions.



www.reedmfgco.com
For the latest information on **NEW REED Tools!**

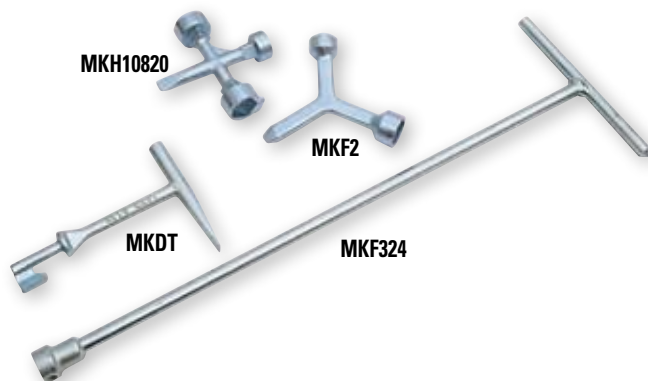
NEW Valve Key Socket Kit



Reed Valve Key Sockets are specifically designed to engage a rounded or corroded operating nut on valves in difficult situations. Kits include small, medium, and large sockets. Socket will attach to a standard gate key with the VKSK's screw and plate. Rugged and durable, yellow zinc-plated, hardened-steel sockets. Lower cost and lower maintenance than alternative tools.

Catalog No.	Item Code	Description	Weight	
			lbs	kg
★ VKSK	02730	3 sockets, 3" screw and attachment plate in a durable carrying case	6.7	3.0
★ NEW				

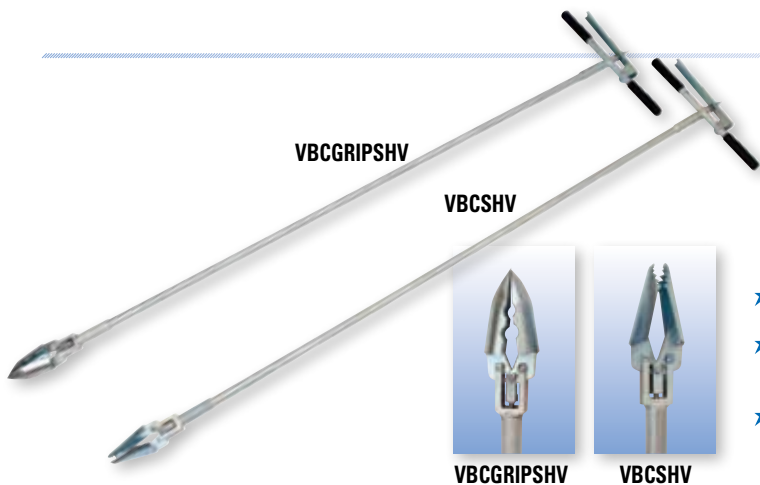
Meter Box & Curb Box Lid Keys



Reed Meter Keys open many styles of meter pit lids and curb box lids. Reed has the widest choice of pentagon keys and "skeleton" keys available, ending lengthy searches for the right key. Reed pentagon Meter Key capacities include standard waterworks pentagon bolts and plugs, as well as the large pentagon bolts made by both Mueller® and Ford®. Careful design and production ensure the Reed pentagon and skeleton keys fit many brands of lids and bolts. Reed Meter Keys all have a turn and lift feature, allowing tool users to open a lid, lock onto it, and lift the lid off with a single motion. All Reed Meter Keys are made of strong, plated ductile iron to inhibit rust.

Catalog No.	Item Code	Description	Length		Weight	
			in	mm	lbs	kg
MKF2	02364	Ford® Lg. & Std. Pentagons	5.5	140	0.9	0.4
MKF324	02367	24" T w/ Std., Slotted Pentagon	24.5	622	2.4	1.1
MKDT	02375	Ductile T Skeleton	7.0	178	0.8	0.4
MKH10820	02380	Mueller® 2 Lg. & 1 Std. Pentagon	5.0	127	1.2	0.5

NEW Valve Box Cleaners



Make valve and curb box cleanouts easier with these all steel, zinc-plated (no brass) tools. Heads are welded to the handle for strength and no loose parts. Tools are spring loaded – when the handle is released, the jaws continue to hold while the operator lifts the cleaner from the pit. Use the shovel or grip cleaners to grab debris, dirt and twigs.

Catalog No.	Item Code	Description	Length		Weight	
			in	mm	lbs	kg
★ VBCGRIPSHV	09434	Combination mud shovel and gripper; fits thru 2 7/8" opening and opens to 5 1/2"	72	1829	9.9	4.5
★ VBCSHV	09410	Mud shovel with cut-out to grab brush and small branches; fits thru 2 7/8" opening and opens to 4 1/2"	72	1829	9.8	4.4

★ NEW

Manhole Hooks



MH26

EXCLUSIVE FEATURES

WHY REED?
Red powder paint insulates handle from hot sun for greater safety and comfort.

Hooks are forged of 5/8" hex high carbon steel. Handle fits large hand. MH30 has rotated handle and rocker head to more easily enter notch in stubborn covers. Points are 1/2" wide for cover openings. Powder painted for corrosion protection.

Catalog No.	Item Code	Handle to Hook Relationship	Length		Weight	
			in	mm	lbs	kg
MH26	02301	Same plane	26	650	3.3	1.5
MH30	02302	Hook 90° to handle	30	760	4.0	1.8
MH36	02303	Same plane	36	900	4.3	2.0

