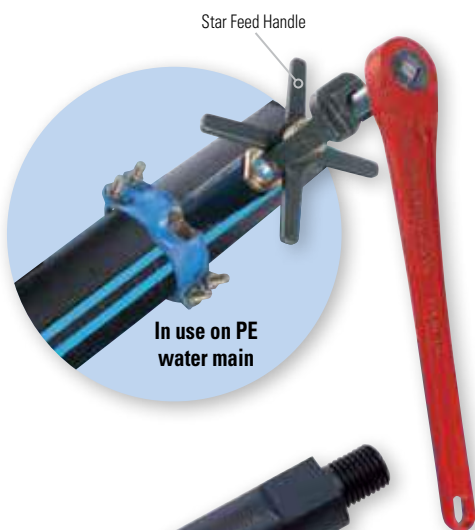




DM2100

† Spec Booklet available #01071



Star Feed Handle

In use on PE water main

D688



PL1438

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

Slot for Easy Coupon Removal



HDHS1438

DRILLING MACHINES†

FEATURES

- Drilling Machines have a **flip clamp feed** mechanism requiring little adjustment.
- These machines are more compact, thus requiring less clearance than competitors'.
- **Modular design** allows fast and simple conversion to a Direct Tapping Machine.

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** drilling 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** drilling machine 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** drilling machine has the base and accessories to work for AWWA and NPT threads up to 2".

Catalog No.	Item Code	Size	Gross 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

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

GROSS WEIGHT includes all components plus packaging. Drilling Machine unit alone weighs 13.3 lbs / 6.0 kg. Drilling Machines **not to be used on gas lines.

SMOOTH JAW WRENCHES ON P. 77

ACCESSORIES SELECTION CHART ON P. 41

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 cement-lined ductile iron.

Catalog No.	Item Code	Drill Size in	Nom. Corp. Size in*	Weight	
				lbs	kg
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. They also fit Mueller 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	1 7/16	1 1/2"	0.5	0.2
PL1750	04392	1 3/4	2"	0.7	0.3

*See P. 43 for more details.

**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 shell walls and bigger carbides are the heavy-duty features that help withstand many cuts. These are the best choice for cutting cast iron and cement-lined ductile iron, along with clay pipe.

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	0.2
HDHS1750	04355	1 3/4	2"	0.5	0.2
HDHS1875	04356	1 7/8	2"	0.6	0.3

ACCESSORIES

PVC/PE SHELL CUTTERS

FEATURES

- **Tool steel** is heat-treated for optimum toughness and wear resistance.
- Flute design offers easy cutting and **constant coupon retention**.

PVC/PE Shell Cutters are for use with Reed's DM1100, DM2100 and DMPVC series drilling machines plus the Feed Tap™ machines. They cut through the PVC or PE pipe wall via the corporation stop and the service saddle. Now made from tool steel and heat-treated to maintain sharper cutting edges and longer life of the shell cutter. They are capable of cutting PVC and up to 1 1/8" wall thickness on C900 PVC water pipe or high density PE (HDPE) pipe. **PL688** and **PL875** also fit Mueller 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
PL1438*	04387	1 7/16	1 1/2"	0.5	0.2
PL1750*	04392	1 3/4	2"	0.7	0.3

*Used only with **DRILLING MACHINES ON P. 40** or **FEED TAP™ ON P. 38**

CORPORATION ADAPTERS

Catalog No.	Item Code	Fits Size	Weight	
			lbs	kg
FTPLAA	04423	Arbor Assembly (adapter) used with 1 1/2" & 2" PVC/PE Shell Cutters, PL1438 & PL1750.	0.35	0.16
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

POWER UNITS FOR TAPPING/DRILLING

FEATURES

- Add power to your drilling and tapping and eliminate the labor of hand-cranking.

Power units fit the DM1100, DM2100, TM1100, CDTM1100 and CDTM2100 machines including all variations. Economical **601PDTAP** power tapping/drilling machine is a portable electric machine which is lightweight and a good value. Its plated metal bar reinforces the plastic handle to protect the housing from excess torque. **601PDTAP** can be used on any tap machine with a 1 3/16" square end boring bar. The **700PDTMPDA** (electric) or **700APDTMPDA** (pneumatic) power tapping/drilling machines are heavy-duty workhorses designed for constant, everyday use. Units consist of the selected power drive and a TMPDA adapter which fits a 1 3/16" square end boring bar that is common on the tapping or drilling machine while the power drive adapter turns the boring bar.

Catalog No.	Item Code	Description	Weight	
			lbs	kg
601PDTAP	05246	601PD Tap/Drill with Adapter*	17	7.7
700APDTMPDA	05266	700APD (pneumatic) and TMPDA Adapter	50	22.7
700PDTMPDA	05276	700PD and TMPDA Adapter	34	15.5

* 601PDTAP adapter NOT sold separately.

ACCESSORIES

Catalog No.	Item Code	Description	Weight	
			lbs	kg
PDGFI	05277	Ground Fault Interrupter	0.7	0.3
TMPDA	08430	1 3/16" Power Drive Adapter Only for 700PD/700APD	4.0	1.8

GROUND FAULT INTERRUPTER ON P. 52
POWER DRIVES ON P. 54 - 55



PL688



PL1438

✓ WHY REED?

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



601PDTAP

700PDTMPDA



TMPDA



601PDTAP
with TM1100



700PDTMPDA
with DM1100

