

## DRILLING MACHINES†

### FEATURES

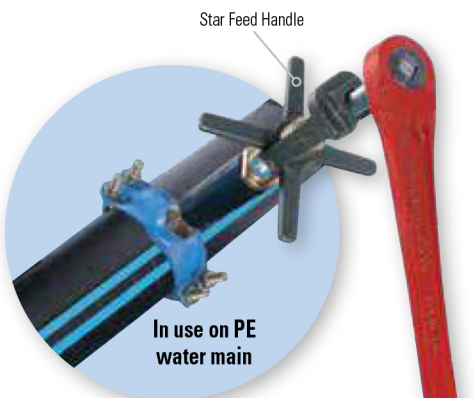
- Drilling Machines have a **flip clamp feed** mechanism requiring little adjustment.
- These machines are more compact, thus requiring less clearance than competitors'.
- **Modular design** allows fast and simple conversion to a Direct Tapping Machine.

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".



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

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 (#9390) 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