

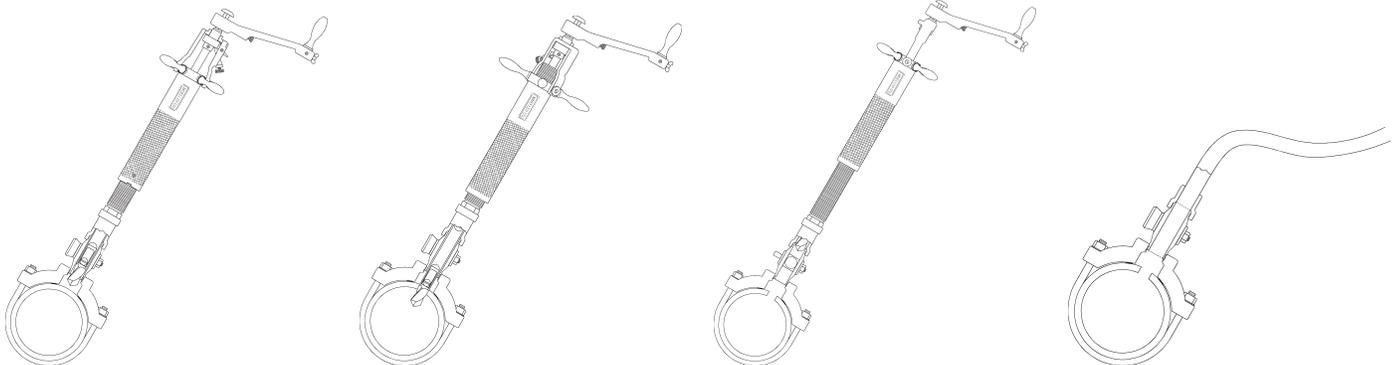
MUELLER Co. manufactures several different small drilling machines for drilling holes from 7/16" to 2" in all types of pipe. Machines are available in hand or power operated models with a selection of drills and shell cutters for the type of pipe you are using. Small drilling machines are primarily used with service clamps and corporation stops to make service connections on mains under pressure. This method of making service connections is especially recommended for use where the main is too small, thin or weak to permit direct tapping. MUELLER® Small Drilling Machines can also be used to drill through any valve or fitting to which they can be attached.

MUELLER Co. has built these machines to take the rough handling such equipment usually receives dur-

ing normal use. They are designed to provide years of service with a minimum of maintenance. Another important advantage of MUELLER machines is the similarity in basic design and operating procedures for each machine. This makes it easier to train personnel in the use of the various drilling machine models.

These machines are part of a complete system of equipment, products and methods developed by MUELLER Co. to perform the variety of operations needed to install, extend and maintain today's water systems. The **designed-in** compatibility of each part of this system helps everything go together efficiently for strong, leak-tight installations.

The MUELLER method of making a main to service connection using the MUELLER E-5™ Small Drilling Machine



- ❑ With the service saddle attached to the main, the corporation stop is threaded into the clamp. The machine is then mounted on the corporation stop using an adapter nipple, and the stop is opened.
- ❑ The main is drilled out under pressure.
- ❑ The boring bar of the machine is retracted and the corporation stop is closed to control the water. The machine is removed.
- ❑ The service line is attached to the outlet of the corporation stop and the stop is opened to activate service.

Small drilling machine selection guide

Machine	Drill or cutter capacity	Maximum pressure	Operation	Type of pipe	Recommended uses
E-5™	7/16" - 1-7/8"	500 psig (3450 kPa)	Hand or power	Cast iron, cement-lined cast iron, ductile iron, cement-lined ductile iron, A-C, concrete, steel, and PVC	Making main to service connections in pressurized mains
D-5™	5/8" - 2"				
Mega-Cut™	7/16" - 1-7/8"	200 psig (1380 kPa)	Hand		
Tru-Cut™	11/16" - 7/8"	200 psig (1380 kPa)	Hand	PVC	
PL-2™	11/16" and 7/8"				