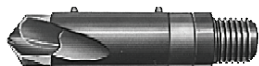
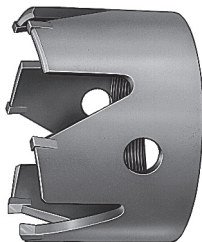


Rev. 4-17 Shaded area indicates changes

## Mueller CL-12 Drilling Machine tools

The CL-12 Drilling Machine equipment shown below is used to make lateral connections to mains by drilling through tapping sleeves and valves, gate valves, or standard fittings.


**Pilot drill**

**Shell cutter**

**Cutter Hub**

**Drill**

## Shell cutters and drills

Material of pipe to be cut	Equipment	Size of valve or fitting								
		2"		2-1/4"	3"	4"	6"	8"	10"	12"
Size of shell cutter or drill OD		1-3/4"	2"	2"	2-1/2"	3-1/2"	5-1/2"	7-1/2"	9-1/2"	11-1/2"
All cast iron All ductile iron pipe All A-C, concrete, and steel pipe	Equipment Kit: <sup>Ø</sup>	-	-	-	682318	682319	682320	682321	682322	682323 **
	Shell cutter*†	-	-	-	83617	83203	83134	83135	83140	83141
	Cutter hub	-	-	-	83599	83671	83673	83676	83679	83682
	Pilot drill*	-	-	-	83954	83954	83955	83956	83957	83958
	Pilot drill**	-	-	-	83634	83634	83639	683025	83678	683026
	Drill	33539	33541	33541	-	-	-	-	-	-
	Boring bar adapter	83666	83666	83666	-	-	-	-	-	-
Shell cutter OD††		-	-	-	-	3.3"	5.0"	6.6"	8.3"	10.0"
PVC/PEP	Shell cutter	-	-	-	-	537061	537062	682581	682583	682585
	Pilot Drill (Shell Cutter)	-	-	-	-	681919	681919	681919	681919	681919
	Pilot Drill Extension	-	-	-	-	537068	537069	537069	537070	537070
	Cutter Hub	-	-	-	-	83671	83671	83671	83671	83671

\* These shell cutters and pilot drills are tungsten carbide tipped.

\*\* These pilot drills can be used on cast or ductile iron pipe, cement-lined cast or ductile iron pipe, and steel pipe.

† The outside diameter of these shell cutters is 1/2" less than the nominal size of the valve or fitting.

†† Shell cutters for use on plastic pipe only.

<sup>Ø</sup> Equipment kit includes shell cutter, pilot drill, cutter top, and MJ adapter

Note: Mueller recommended cutting grease is available in pints (88366).