CORPORATION VALVE MUELLER 110® TOOLS & MISCELLANEOUS EQUIPMENT

MUELLER Drilling and Tapping Machine equipment required to install corporation valves having MUELLER 110® Compression Connection outlet

Valve size (nominal) (If two numbers: Inlet x Outlet)		1/2"	3/4"		3/4" x 1"		1"		1-1/2"	2"
		CTS	CTS	IPS PE	CTS	IPS PE	CTS	IPS PE	CTS	CTS
Combined drill and tap size—see section 1 for part numbers		1/2"	3/4"		3/4"		1"		1-1/2"	2"
B-101/B-100 inserting tool		680598	680600	680688	680601	680689	680601	680689	-	-
A-3 inserting tool		-	-	-	-	-	680601	680689	680421	680422
Maximum allowable size drill or shell cutter - see section 2 for part numbers	AWWA I.P.	7/16"	11/16"	11/16"	11/16"	11/16"	7/8"	7/8"	1-7/16"	1-3/4" *
	CC (AWWA taper)	7/16"	11/16"	11/16"	11/16"	11/16"	15/16"	15/16"	1-7/16"	1-15/16" *
Mega-Cut™/E-5 machine adapter nipple		63796	52019	508919	36750	508920	36750	508920	501949	508199
D-5 machine adapter nipple		37900	37902	508917	37903	508918	37903	508918	507644	507645
Tru-Cut/PL-2 machine adapter nipple for use on 1.125" max. wall PVC		-	507632	509050	507633	509051	507633	509051	-	-

*Ball and ORI-CORP® Corporation valves IP and CC inlet: 1-7/8" maximum.

Tubing, pipe and liners used with MUELLER 110 Compression Connection

Nominal size of connection	Material*	Tubing or pipe O.D. range - inches	Tubing or pipe O.D. range - inches	Tubing or pipe I.D. range - inches	Liner part number
1/2" CTS	Type "K" copper	0.622 - 0.628	0.045 - 0.053	-	-
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385
1-1/4" CTS	Type "K" copper	1.371 - 1.379	0.060 - 0.070	-	-
	Polyethylene	1.370 - 1.380	0.153 - 0.168	1.034 - 1.074	505142
1-1/2" CTS	Type "K" copper	1.621 - 1.630	0.067 - 0.077	-	-
	Polyethylene	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	506139
2" CTS	Type "K" copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	506141
3/4" IPS	Polyethylene	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.113 - 0.133	0.780 - 0.828	509759
	3/4" Sch. 80 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509760
1" IPS	Polyethylene	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142
	1" Sch. 40 PVC	1.310-1.320	0.133-0.153	-	-
	1" Sch. 80 PVC	1.310-1.320	0179-0.200	-	-

*Type "K" soft copper tubing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9; IPS polyethylene (PE) per ASTM D-2239 - PE SIDR-7; IPS polyvinylchloride (PVC) per ASTM D1785

Liner

MUELLER 110 Compression Connection replacement parts

Size	Kit	Gasket part number†	Connection nut
1/2" CTS		681516	147542
3/4" CTS	682600	581949	507831
1" CTS	682601	581951	507835
1-1/2" CTS		581955	507847
2" CTS		581957	507851
3/4" IPS PE		89599	508826
1" IPS PE		89788	508827

†Gasket and gripper band assembly

Gasket

Nut

Corporation Valve Wrench

H-10048

For operating up to and including 1" corporation valves.