

MUELLER® Drilling and Tapping Machine equipment required to install corporation valves having MUELLER INSTA-TITE Connection outlets

Valve size (nominal) (If two numbers: Inlet x Outlet)	3/4" CTS PE or IPS PE	3/4" x 1" CTS PE or IPS PE	1" CTS PE or IPS PE
Combined drill and tap size— see section 1 for part numbers	3/4"	3/4"	1"
B-101/B-100 inserting tool	680600	680601	680601
A-3 inserting tool	-	-	680601
Maximum allowable size drill or shell cutter - see section 2 for part numbers	AWWA I.P.	11/16"	11/16"
	CC (AWWA taper)	11/16"	11/16"
Mega-Cut™/E-5 machine adapter nipple	52019	36750	36750
D-5 machine adapter nipple	37902	37903	37903
Tru-Cut/PL-2 machine adapter nipple for use on 1.125" max. wall PVC	507632	507633	507633

Polyethylene PE tubing and pipe used with MUELLER INSTA-TITE Connections

Nominal size of connection	Material	Tubing or pipe O.D. range - inches	Tubing or pipe wall thickness range - inches	Tubing or pipe I.D. range - inches
3/4" CTS PE	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
1" CTS PE	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880
3/4" IPS PE	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834
1" IPS PE	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059

CTS polyethylene (PE) per ASTM D-2737 - SDR-9
IPS polyethylene (PE) per ASTM D-2239 - PE SIDR-7

MUELLER INSTA-TITE Connection replacement parts

Size	Gripper ring part number	O-Ring part number
3/4" CTS PE	506325	506324
1" CTS PE	506327	506326
3/4" IPS PE	505885	505883
1" IPS PE	505886	505884



Corporation Valve Wrench

For operating up to and including 1" corporation stops and valves.



MUELLER INSTA-TITE Connection optional equipment Pipe beveling tool

To assure proper installation, the end of the pipe or tubing must be properly beveled before it is inserted into the MUELLER INSTA-TITE Connection. MUELLER CO. offers special beveling tool for CTS PE tubing and IPS PE pipe.



PART NUMBER: **H-18015** for 3/4" and 1" CTS tubing
PART NUMBER: **H-18017** for 3/4" and 1" IPS pipe

Pipe removal tool

Pipe or tubing may be removed from the MUELLER INSTA-TITE Connection using special removal tools. Use one tool for 3/4" size connection and two tools for 1" size.



PART NUMBER : **506336**