

Pack Joint Connection Kits † (includes nut, gasket and washer)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Part Number
3/4" CTS	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	681921
1" CTS	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	681922
1-1/2" CTS	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	681923
2" CTS	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	681924



† 3/4" & 1" size kits (CTS only) will interchange with valves or fittings using Mueller 110® Compression Connections (CTS). 1-1/2" & 2" size kits are not interchangeable with valves or fittings presently using Mueller 110 Compression Connections (CTS). The 1-1/2" & 2" sizes should only be used as replacements for products currently using Mueller Pack Joint Connections (CTS).

Tubing, pipe & liners for MUELLER® Pack Joint Connection (not required for Type "K" Copper Pipe)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Length of Liner (in inches)	Part Number
3/4" CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	1.625	528704
1" CTS PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	2.125	528705
1-1/2" CTS PE	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	2.562	528706
2" CTS PE	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	2.562	528707

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	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
1" CTS	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834
1" IPS	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 (red gripper)	506325	506324
1" CTS (red gripper)	506327	506326
3/4" IPS (white gripper)	505885	505883
1" IPS (white gripper)	505886	505884



Optional tools for use with MUELLER INSTA-TITE Connections

Pipe beveling tool

To assure proper installation, the end of the pipe or tubing must be properly beveled before it is installed into the MUELLER INSTA-TITE Connection. MUELLER CO. offers a special beveling tool for both 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**



MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.