

Rev. 4-14 Shaded area indicates change

### Pack Joint Connection Kits (including gasket and washer)

Nominal size of connection	Tubing or pipe O.D. range (in.)	Tubing or pipe wall thickness (in.)	Tubing or pipe I.D. range (in.)	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



Pack Joint Kit

† 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 and Liners for Mueller Pack Joint Connection (not required for Type "K" copper pipe)

Nominal size of connection	Tubing or pipe O.D. range (in.)	Tubing or pipe wall thickness (in.)	Tubing or pipe I.D. range (in.)	Length of line	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 wall O.D. range (in.)	Tubing or pipe wall thickness range (in.)	Tubing or pipe I.D. range (in.)
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

### Polyethylene PE Tubing and Pipe Used with Mueller INSTA-TITE Connections

Nominal size of connection	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



Gripper ring

O-ring

## 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. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.