



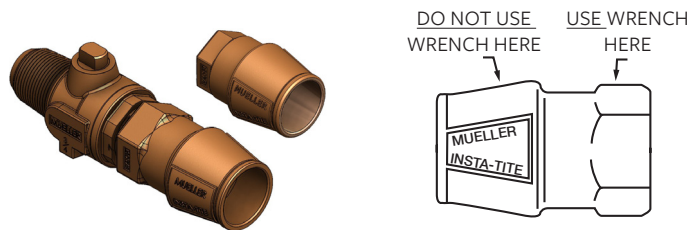
# INSTA-TITE® 2.0 CONNECTIONS

## Installation Instructions

Please read all instructions carefully before beginning installation.

### PREPARE PRODUCT FOR INSTALLATION

1. Caution: Wrenches, pliers, etc. MUST NOT be used on the grip ring end of the connection. Use wrenches, pliers, etc. only on wrench flats of the valve or fitting. Failure to follow this instruction may damage fitting.



2. Keep the interior of the connection clean and free of dirt, sand, etc. If the connection does become soiled, wash thoroughly with clean water.
3. Cut pipe square and even (90° perpendicular to run of pipe). Use a rotary cutter or tubing slicer, not a saw, to avoid making pipe burrs. Do not bevel or chamfer the pipe end.
4. If the connection is to be buried in sandy or “gritty” soil, tape should be wrapped around the connection and down onto the pipe to cover the gap at the mouth of the connection.
5. Avoid installing fittings on any pipe section with scratches or marks. Fittings should be installed on rounded pipe, and it is recommended to utilize rounding tools to improve roundness of pipe prior to installation.
6. If working on live lines, reduce pressure to 80 psi or less to avoid internal component movement. Recommended live line work is limited to services 10’ or longer from the main, and 1” IPS pipe or smaller diameters.
7. Center the end of the pipe squarely in the Insta-Tite 2.0 connection and push straight in. As a check for proper assembly, we suggest marking the pipe to indicate the amount of pipe that should be stabbed into the Insta-Tite 2.0 connection. The length for each size connection is listed in the chart below. When the pipe is fully inserted, the mark should align with the front edge of the connection body.
8. After pipe is inserted, pull on the pipe to ensure proper grip. Pressure test to ensure no leaks prior to backfill.
9. Insta-Tite 2.0 fittings are not recommended for use with pipe liners or insert stiffeners.
10. Pressure test for leakage before backfilling in accordance with ASTM D2774, latest edition. Never test with AIR, always test with hydraulic water jacking/pumping.

Size	Type of Pipe	Depth of Insertion
3/4"	IPS HDPE D-2239 or PVC ASTM D-1785 (White grip ring)	2"
1"	IPS HDPE D-2239 or PVC ASTM D-1785 (White grip ring)	2"
3/4"	CTS-HDPE D-2737 or Copper ASTM B88 (Red grip ring)	1-3/4"
1"	CTS-HDPE D-2737 or Copper ASTM B88 (Red grip ring)	1-7/8"

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### DISASSEMBLY OF CONNECTIONS

1. To remove the pipe from an Insta-Tite 2.0 Connection, slip a pipe removal tool into the connection between the pipe and grip ring and pull the pipe from the connection (use two pipe removal tools on 1" or larger size connections). If experiencing difficulties with removing the pipe, cut the pipe into a short section. This allows for easier rotation out of the fitting using the removal tools while the fitting and tools are held stationary.
2. To reuse the Insta-Tite 2.0 Connection after the pipe has been removed, a new grip ring, plastic guide ring, and lubricated gasket MUST be used. Failure to use a new grip ring and plastic guide ring may result in joint separation.

Internal Parts Kit	Grip / Gasket Kit
3/4" CTS	683361
3/4" IPS	683363
1" CTS	683362
1" IPS	683364

Removal Tool Kit	Part Number
Pipe Removal Tool	506336

### WARNING

1. Reduce pressure by opening hydrants as needed.
2. Comply with all required industry, site, state and federal safety requirements.
3. Always be sure to check that the water jet path is clear of other people and property.
4. Wear a face shield, gloves and other PPE as required.
5. Tether tools and other loose objects prior to use.
6. Always use shoring to prevent ditch collapse.
7. For potable water piping only.

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