



TOTAL PIPING SOLUTIONS, INC.

Quick-Sleeve®

Wide Range Bell Joint Repair

Patent Pending

Technical Specifications

REV E JULY 2017

Quick-Sleeve® Wide Range Bell Joint Repair Specifications

Patent Pending

1. Pressure Rating: Quick-Sleeve® Bell Joint Repair Sleeves by Total Piping Solutions, Inc. when properly installed are capable of working pressures up to 225 psi for water and sewer applications.

Quick-Sleeve® Bell joint Repair Sleeves are tested up to 350 psi for (1.5 Safety Factor)

Note: Pressure rating shall not exceed the pressure rating of the pipe on which the sleeve is installed. For any particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, condition of the pipe, service conditions, environmental conditions, and installation workmanship. Always consult the factory for specific information regarding application and working pressure.

2. Temperature Rating: Maximum Continuous Working Temperature Range is 180° F for Standard NSF-61 compliant NBR Gasket

3. Sealing Gaskets: ANSI/NSF- 61 Approved NBR Rubber – For water, sewer, and other petroleum based line content

4. Body/Shell: ASTM A-536 (Cast Versions)
ASTM A-36 (Fabricated Versions)

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Quick-Sleeve® Wide Range Bell Joint Repair Benefits

1. No special tools required to install the sleeve.
2. Provides a 360° Seal on common pipe materials including: Steel, Ductile Iron, Cast Iron, PVC, AC, and HDPE
3. Ability to encapsulate common bell joints and couplings currently installed on pipe mains.
4. Note: See Materials of Construction diagram for additional information.

Quick Sleeve® Bell Joint Repair Table of Pipeline Diameters

Nominal Diameter	Effective Range	
2**	2.35	2.90
4	4.45	5.10
6	6.54	7.20
8	8.95	9.40
10**	11.04	11.46
12	13.08	13.56

**Product Range Forthcoming

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Applicable Standards:

ANSI/AWWA C110/A21.10: Ductile-Iron and Gray Iron Fittings

ANSI/AWWA C111/A21.11: Rubber Gasket Joints for Ductile-Iron Pressure Pipe and Fittings

NSF/ANSI STANDARD 61 - Drinking Water System Components

ASTM D2000 - 12 Standard Classification System for Rubber Products.

ASTM A-36 Standard Specification for Carbon Structural Steel (For Fabricated Units)

ASTM A-536 Standard Specification for Ductile Iron Castings (For Cast Units)

NSF/ANSI STANDARD 61 - Drinking Water System Components

ASTM D2000 - 12 Standard Classification System for Rubber Products.

Product Warnings

WARNING This product is not intended for use on natural gas piping or any other type of gas piping. To do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.

WARNING This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The TPS Triple Tap product line is not approved for above ground applications on HDPE or other plastic pipe

Sleeve Reuse:

Sleeves must not be re-used until refurbished with new bolts and new gaskets at TPS.

APPLICATION NOTE:

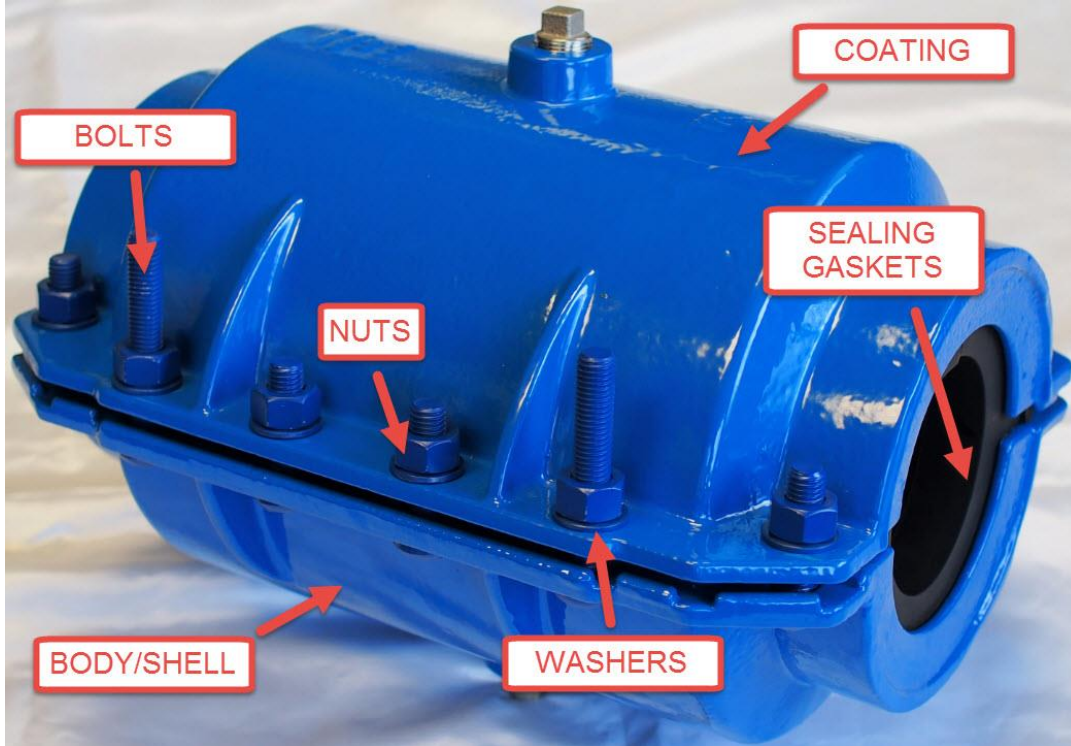
Quick Sleeves may be provided to meet custom application needs.

Contact TPS for custom application needs regarding air, natural gas, high temperature, etc.

INDIVIDUAL PRODUCT LABELING WILL SPECIFY PRODUCT CAPABILITY.

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Materials of Construction

- Body/Shell:** ASTM A-536 Gr 65-45-12 (For Cast Units)
ASTM A-36 (For Fabricated Units)
- Coating:** MIN 10 mil thick NSF-61 Approved Fusion Bonded Epoxy Coating over Electro Coating
- Sealing Gaskets:** Material: Nitrile Butadiene Rubber (NBR) Approved NSF-61
- Bolts:** Oval Neck track head per ANSI/ASME B18.10
5/8-11 UNC Rolled Thread
18-8 Type 304 Stainless Steel per ASTM A-193 Grade B8
Finish: Fluoroelastomer coating.
- Nuts:** Heavy Hex Nut 5/8-11 UNC Rolled Thread
Type 316 High Temp Stainless Steel per ASTM A-194 Grade 8
Finish: Fluoroelastomer coating to prevent galling.
- Washers:** Heavy Duty 5/8 Inch Washer
Material 18-8 Type 304 Stainless Steel
Fluoroelastomer coating to prevent galling