



# *Ultra-Sleeve<sup>®</sup>* *Super Range Joint Repair*

*For Encapsulation and Repair of Split Bells, Leaking Joints or Couplings on IPS, DIP, CIP, PVC Joints, and Asbestos Cement Collars*



*One Sleeve Fits All Bells in a Nominal Diameter*



**Total Piping Solutions, Inc.**

# **Ultra-Sleeve®**

## **For Repair Of Most Types of Joints**

### **One Sleeve Fits Most Bell Joints in a Nominal Diameter**

At Total Piping Solutions, Inc., we are dedicated to providing innovative products designed to save time, labor and inventory dollars in the water and wastewater industries.

The latest entry into our ever-growing product portfolio is the Ultra-Sleeve Bell Joint Repair Product.

The Ultra-Sleeve Bell Joint Encapsulation Sleeve is the ideal product for the repair of a split bells, leaking Couplings, Old Repair Clamps or other types of joints.



This unique sleeve eliminates the need to shut down the water main, saving on time and repair operations. The sleeve is relatively light in weight, has pre-installed side-bar gaskets and an easy to install butt gasket on the end gland. Distinctive design eliminates having to tighten end gland bolts, allowing for quicker assembly. No need to trim or cut gaskets. Simply piece each half together and tighten the bolts for a quick, permanent repair. Easy to follow instructions included in every sleeve.

#### **Check These Features:**

- Wide Range and Long Body – One Sleeve Easily covers CIP/DIP/PVC Bells, most Couplings with two or more bolts and Asbestos Cement Pipe Collars/Couplings
- Easy to Install – Two Pieces, Easy to Reach Starter Bolts: Tighten the Side Bolts With Standard Wrench. Always follow the directions included with the product.
- Eliminate the Need for a Bolted End Gland (Saving Time and Labor During Installation)
- Cost Effective – One Sleeve Works on Multiple Pipe Classes (Works on AC, DIP, CIP, IPS, PVC Diameters and more)
- Rigid Construction with Lifting Eyes to assist in installation
- No Need to Shut Off Water Main: Use as a Coupling to Join Pipe Ends of the Same Diameter or Use for a 360 Degree Encapsulation of the Pipe
- For Below Ground Use (for Special Applications call Customer Service)



# Ultra-Sleeve® For Joint Repair

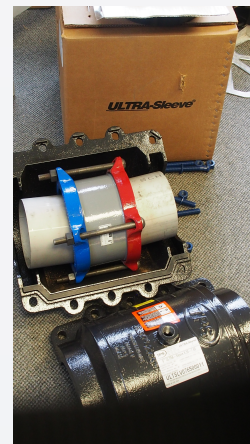
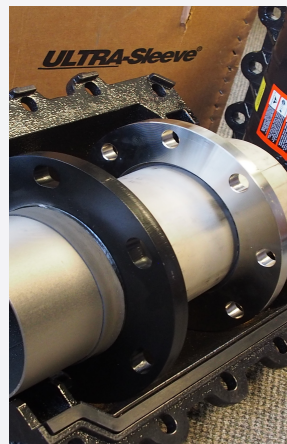
## Specifications

- Working Pressures up to 200 psi (Tested to 300 psi)  
Working Pressure is Determined by the Actual Diameter of the Pipe
- Qualification Tested to 1.5X Working Pressure
- Gasket Material: NSF-61 Approved NBR Rubber for Water and Sewer Service
- Shell constructed of Cast Ductile Iron
- Temperature: Max Continuous Temperature - 80 degrees F
- Nuts, Bolts and Washers: 18-8 Grade 304 Stainless Steel Bolts and 304 Stainless Nuts Coated with Fluoropolymer Coating to Prevent Galling
- Coating – Minimum 10 Mil Fusion-Bonded Epoxy (NSF-61 Compliant)
- Equipped with NPT Tapped Vent Plugs on Top and Bottom Shells
- Test Port Plugs and Lifting Eye Included
- Perimeter Bolting and Gasket System (no end glands to tighten)



Patented Layered Gasket System for Easy Sizing to the Pipe (Up to 1.3" Total Range in 4-12" Sizes)

PRESSURE RATING, TEMPERATURE RATING, AND BOLT TORQUE SHOWN ON PRODUCT LABEL ARE THE ACTUAL RATINGS FOR EACH INDIVIDUAL PRODUCT.



# Ultra-Sleeve® For Joint Repair

Nominal Diameter	Total Range	Inner Layer	Pipe Classes	Outer Layer	Pipe Classes
2 Inch	2.35 to 3.13	2.35 - 2.78	IPS (2.35), CI (2.50)	2.78 - 3.13	-
4 Inch	4.45 to 5.61	4.45-5.10	IPS (4.50), DI (4.80), CI (5.00), AC (4.64-5.07)	5.12-5.61	AC (5.14-5.57)
6 Inch	6.55 to 7.65	6.55-7.15	IPS (6.63), DIP (6.90) CI (7.10)	7.15-7.65	AC (7.15-7.60)
8 Inch	8.54 to 9.84	8.54-9.22	IPS (8.63), DI (9.05) AC (9.11-9.22)	9.25-9.84	AC (9.27-9.79)
10 Inch	10.64 to 11.46	10.64-11.15	IPS (10.75), DI (11.10)	11.15-11.46	CI (11.40) AC (11.24-11.30)
10 Inch O.S.	11.34 to 12.16	11.34-11.71	CI (11.40) AC (11.46-11.55)	11.71-12.16	AC (11.77-12.12)
12 Inch	12.62 to 13.56	12.62-13.26	IPS (12.75), DI (13.20)	13.15-13.56	CI (13.50) AC (13.37-13.44)
12 Inch O.S.	13.42 to 14.45	13.42-13.92	CI (13.50) AC (13.42-13.92)	14.00-14.45	AC (14.04-14.38)
16"	17.32 to 17.45	Single Layer Only	DIP	-	-
16" OS	17.72 to 17.85	Single Layer Only	CIP	-	-
20"	21.52 - 21.65	Single Layer Only	DIP	-	-
20" OS	21.98 - 22.11	Single Layer Only	CIP	-	-
24"	25.72 to 25.85	Single Layer Only	DIP	-	-
24" OS	26.24 to 26.40	Single Layer Only	CIP	-	-

Gasket Ranges are Clearly Defined on Product Labeling. Always verify the Range by Measuring the Pipe.

Working Pressure Ratings up to 200 PSI. For Specific Working Pressure by Size Consult the Factory

## APPLICATION NOTE:

Ultra-Sleeves may be provided to meet custom application needs.  
Contact TPS Customer Service for custom application requirements.

**INDIVIDUAL PRODUCT LABELING WILL SPECIFY PRODUCT CAPABILITIES.**

### Applicable Standards:

AWWA C-110/111  
ANSI A21.1/10/21.11  
ASTM A-36 (for steel components)  
ASTM A-536 (for Ductile Iron components)  
NSF/ANSI Standard 61 – Drinking Water Systems Components  
ASTM D2000-12 – Standard Classification system for rubber products  
ASME B1.20.1 Pipe Treads, General Purpose, Inches



For Price, Delivery and additional Technical Information, Contact:



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This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The TPS TX3 Coupling product line is not approved for above ground applications on HDPE.



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.



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.