



TPS Ultra-Sleeve[®]



**Up To
200 PSI
Pressure**



**Universal
Pipe Types**

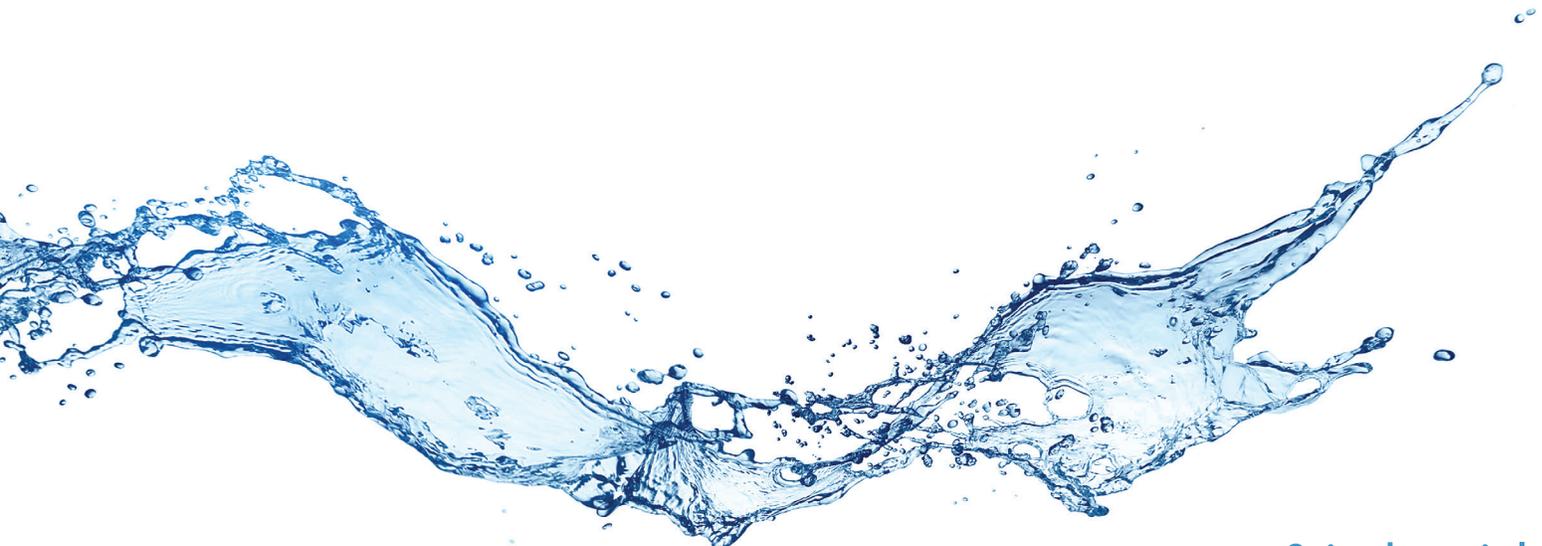


**Reduce
Time
On Job**

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



Ultra-Sleeve® For Repair of Most Types of Joints



At Dresser Pipeline Solutions, 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 preinstalled 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.

Ultra-Sleeve Exclusive:

- » Wide Range – 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)



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 services
- » Temperature: Maximum Continuous Temperature at 80° F
- » Shell constructed of Cast Ductile Iron or carbon steel for larger diameters
- » 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.

Technical Specifications:

Nom. Diameter	Total Range	Inner Layer	Pipe Classes	Outer Layer	Pipe Classes
2"	2.35 to 3.13	2.35-2.78	IPS (2.35), CI (2.50)	2.78-3.13	
4"	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"	6.55 to 7.65	6.55-7.15	IPS (2.35), CI (2.50)	7.15-7.65	AC (7.15-7.60)
8"	8.54 to 9.84	8.54-9.22	IPS (2.35), CI (2.50)	9.25-9.84	AC (9.27-9.79)
10"	10.64 to 11.46	10.64-11.15	IPS (2.35), CI (2.50)	11.15-11.46	CI (11.40), AC (11.24-11.30)
10" o.s.	11.34 to 12.16	11.34-11.71	IPS (2.35), CI (2.50)	11.71-12.16	AC (11.77-12.12)
12"	12.62 to 13.56	12.62-13.26	IPS (2.35), CI (2.50)	13.15-13.56	CI (13.50), AC (13.37-13.44)
12" 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" o.s.	17.72 to 17.85	Single Layer Only	CIP		
20"	21.52 to 21.65	Single Layer Only	DIP		
20" o.s.	21.98 to 22.11	Single Layer Only	CIP		
24"	25.72 to 25.85	Single Layer Only	DIP		
24" o.s.	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 or Sizes Above 24" Consult Factory

Application Note:

Ultra-Sleeves may be provided to meet custom application needs. Contact DPS Customer Service for custom application requirements. *Individual product labeling will specify product capabilities.*

Materials of Construction:

Body/Shell:	ASTM A-536 Gr 65-45-12 ASTM A-36
Coating:	MIN 10 mil thick NSF-61 Approved Fusion Bonded Epoxy Coating
Sealing Gaskets:	Nitrile Butadiene Rubber (NBR) Approved ANSI/NSF-61 (4"-12" Sizes) EPDM rubber Approved ANSI/NSF - 61 (16"-24" Sizes)
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.



Pressure Rating:

ULTRA-SLEEVE® Bell Joint Repair Sleeves when properly installed are capable of working pressures as shown on the chart below, for water and sewer applications.

Nominal Size	Range	Working Pressure	
		IPS Diameters	DI, PIT CAST, AC Diameters
4"	4.45-5.61	200	200
6"	6.55-7.65	200	200
8"	8.54-9.84	200	200
10"	10.64-11.46	175	200
10" OS	11.34-12.16	175	200
12"	12.62-13.56	175	200
12" OS	13.42-14.45	175	200
16"	17.32-17.45	-	150
16" OS	17.72-17.85	-	150
24"	25.72-25.85	-	150
24" OS	26.24-26.40	-	150

For bolt torque requirement, temperature rating, and pressure rating, always refer to product label and installation instructions.

CONTACT FACTORY for sizes above 24"

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. Consult the factory for specific information regarding application and working pressure.

Application Note:

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Applicable Standards:

AWWA C-110/111

ANSI A21./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



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