



# Triple Tap<sup>®</sup>

*Extended Range Stainless Steel  
Tapping Sleeve*



Sizes 4" – 30"

Available in Flanged or MJ End

**Fewer Sizes, Less Inventory = More with Less**



**Total Piping Solutions, Inc.**

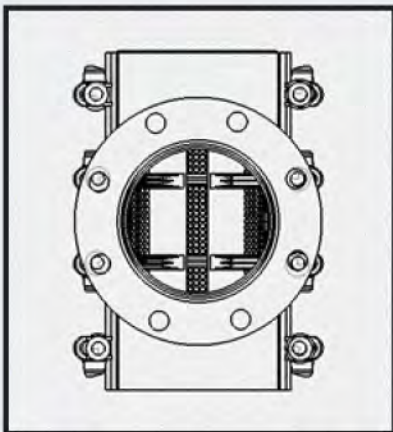


# TRIPLE TAP<sup>®</sup> Series TS Tapping Sleeve

## Fewer Sizes, Less Inventory = More With Less

The Triple Tap<sup>®</sup> Tapping Sleeve is the latest in the series of high performance, innovative products from Total Piping Solutions designed to save time, labor and inventory dollars in the water and wastewater piping industries.

The Triple Tap features a number of distinct advantages, including a double range body, allowing a substantial reduction in inventory. The Triple Tap accommodates the tapping of steel, ductile, pvc, polyethylene and asbestos-cement pipes with one sleeve in a given diameter range. There is no need for extra on-hand sizes to accommodate the local market requirements for hot tapping water and sewer pipes. (For use on polyethylene pipe, Triple Tap is only recommended for underground service. Contact Total Piping Solutions Inc. for complete information regarding performance and use on polyethylene pipe.)



The Triple Tap exceeds industry Standards, AWWA C223-13 and MSS SP-124-2016. An opposing seal bead system on the upper and lower gaskets combines to provide a secure 360 degree seal.

The Triple Tap includes patented lug, shell and gasket design technologies which allow for enhanced performance, easier fit and less inventory.



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## Specifications

### Nominal Sizes Available 4" - 30"

**Range:** Up to 0.9" (nine tenths of an inch).

**Pressure Rating:** When properly installed Triple Tap Tapping Sleeves by Total Piping Solutions, Inc. are capable of working pressures up to 250 psi with hydrostatic test pressures up to 350 psi.

Pressure Rating is 175 PSI with Standard 18-8 Stainless Steel Class "D" Flange per AWWA C228-08 or available Carbon Steel Class "D" Flange per AWWA C207-13.

**NOTE:** Pressure Rating will be in accordance with the rating of the tapping sleeve flange or the pipe whichever is lower. For any particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, type of sleeve, aperture seal only rating, full circumferential seal rating, condition of the pipe, service conditions, environmental conditions and installation workmanship.

**Temperature Rating:** Maximum Continuous Working Temperature range of 180 Degrees F.

**\*\*IMPORTANT:** Always review the actual product label for pressure and temperature rating of the tapping sleeve being installed.

**Gasketing:** NSF-61 Approved NBR Rubber – For Water and Waste Water Service.

**Shell:** Heavy Duty Type 18-8 Stainless Steel (Type 304). 12 Gauge on 4" through 8" diameters, and 11 gauge on 10", 12" and 16" diameters, and 10 gauge on 18" to 30" diameters.

**Alignment Lugs:** Heavy Gauge 18-8 Stainless Steel (type 304)

**Branch Pipe:** 18-8 Stainless Steel (type 304)

**Spanner Plate:** Extra heavy gauge 18-8 Stainless Steel (Type 304) integral (vulcanized) with gasket.

**Flange:** 18-8 Stainless Steel (Type 304) drilled to ANSI/ASME B16.5 Drilling Pattern per AWWA C228 and AWWA C207 Class "D". Flanges are machined with a recess per MSS SP-60 to accept industry used tapping valves. Higher pressure rated ANSI flanges available on request. In addition to flanged end connections, the Triple Tap is available with a unique gasketed Mechanical Joint (MJ) Connector.

**Test Port:** 3/4" Welded Stainless Steel port with 3/4 Inch IPS Stainless Steel Pipe Plug Installed

**Nuts, Bolts and Washers:** 304 Stainless steel bolts and washers double coated with a Fluoroelastomer Coating to prevent galling, 316 Stainless Steel Nuts double coated with Fluoroelastomer Coating to prevent galling.

**Testing:** Depending on diameter, Triple Tap is tested for beam breakage sealing capability on a simulated 360-degree break test, performed at 1.5 times rated pressure on a test pipe outfitted with a 1/8" wide by 3/16" deep hydrostatically pressurized groove.

**NOTE:** The pressure rating, temperature rating, and bolt torque shown on the product label are the actual ratings of the individual product.



# TRIPLE TAP<sup>®</sup> Series TS Tapping Sleeve Mechanical End Joint Option

## Mechanical End Joint Option

### Additional Product Specifications for MJ End:

- Direct Valve Face to MJ Flange Face Mounting Ensures Perfect Alignment of the Valve
- Eliminates Gap between the Valve and the Flange Interface
- Pre-Installed MJ Gasket Provides Seal to Rated Pressure
- NBR MJ Gasket Cannot Roll or Cold Flow into the Line
- NSF 61 Gasket Compounded for Water and Sewer Service
- Non-Flexible Joining Interface for Proper Cutter Alignment
- Tighten Bolts to Allow for Full Metal Contact of Valve Face and MJ Flange on Sleeve
- Available in Stainless or Carbon Steel Outlets (Carbon Steel Ends Are Epoxy Coated for Corrosion Resistance)
- Available on All Triple Tap Sizes
- MJ End Meets ANSI/AWWA C-111
- Weld-Fabricated MJ End with Branch Full Penetration Butt Welded to Sleeve
- Slotted Bolt Holes Included for Ease of Installation
- Branch Includes 3/4" Test Port
- Pressure Ratings with Standard Mechanical Joint End: Sleeves from 4" to 12" nominal pipe sizes, up to 250 psi working pressure (Branch Outlet Seal) and hydrostatically tested up to 350 PSI with standard MJ Branch
- Depending on the diameter, the Triple Tap with MJ end is tested for beam breakage on a simulated 360 degree break test performed at 1.5 times rated pressure on a test pipe designed with a 1/8" wide by 3/16" deep hydrostatically pressurized groove

**Note:** Pressure Rating depends on Flange and will not exceed the Pressure Rating of the Pipe. For any particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, type of sleeve, aperture seal only rating, full circumferential seal rating, condition of the pipe, service conditions, environmental conditions and installation workmanship.

**\*\*IMPORTANT:** Always review the actual product label for pressure rating and temperature of the tapping sleeves.



MJ Outlet Sizes 4", 6", 8", 10" and 12"



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Nominal Diameter	Lower Diameter	Upper Diameter	Available Branch Sizes	CTS	IPS	DI	Pit Cast	AC100	AC150	AC200
4"	4.45	5.10	2,3,4		4.50	4.80	5.00			
4" o.s.	4.74	5.36	2,3,4			4.80	5.00	5.26	5.32	
5"	5.50	6.20	4	6.13	5.56					5.57
6"	6.55	7.42	4,6		6.63	6.90	7.10	7.40	7.37	
6" o.s.	6.84	7.65	4,6			6.90	7.10	7.40	7.37	7.60
8"	8.54	9.44	4,6,8		8.63	9.05	9.30			
8" o.s.	8.98	9.84	4,6,8			9.05	9.30	9.57	9.62	9.79
10"	10.64	11.46	4,6,8,10		10.75	11.10	11.40			
10" o.s.	11.34	12.16	4,6,8,10				11.40	11.77	12.12	12.12
12"	12.62	13.56	4,6,8,10,12,**14		12.75	13.20	13.50			
12" o.s.	13.65	14.42	4,6,8,10,12,**14		14.00			14.04	14.38	14.38
14"	15.22	16.16	4,6,8,10,12,**14,**16		16.00	15.30	15.65	15.80		
14" o.s.	16.18	16.92	4,6,8,10,12,**14,**16						16.73	16.88
16"	17.25	18.18	4,6,8,10,12,**14,**16		18.00	17.40	17.80	17.94		
16" o.s.	18.42	19.23	4,6,8,10,12,**14,**16						18.97	19.19
18"	19.37	20.25	4,6,8,10,12,**14,**16		20.00	19.50	19.92			
20"	21.40	22.22	4,6,8,10,12,**14,**16			21.60	22.06			
24"	23.25	24.25	4,6,8,10,12,**14,**16		24.00					
24" o.s.	25.60	26.40	4,6,8,10,12,**14,**16			25.80	26.32			
30"	29.50	30.35	4,6,8,10,12,**14,**16		30.00					

\*\*For Size on Size Outlets Full Size Cutters are Allowed

\*\*Designates Flanges have ANSI/ASME B16.5 drilling pattern only

For Branch Sizes Larger than 12" please contact Total Piping Solutions, Inc. for information  
Consult Total Piping Solutions, Inc. for working pressures on 18, 20, 24 and 30 " diameters

## Applicable Standards:

**ANSI/AWWA C223-13** Fabricated Steel and Stainless Steel Tapping Sleeves

**MSS SP-124-2016** Fabricated Tapping Sleeves

**ASTM A380-06** Standard Practice for Cleaning, De-scaling and Passivation of Stainless Steel Parts Equipment and Systems

**ASTM A967-05** Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts

**MSS SP-60-2004** Connecting Flange Joint between Tapping Sleeves and Tapping Valves

**NSF/ANSI STANDARD 61** - Drinking Water System Components

**ASTM D2000 - 12** Standard Classification Systems for Rubber Products.

**ANSI/ASME B 16.5** - Pipe Flanges and Flanged Fittings

**Caution: Tapping Sleeve Reuse: Due to spanner forming (creasing) and other permanent set deformations incurred in installation, tapping sleeves must not be reused until refurbished with new bolts and new gaskets at TPS. Always insure the main pipe has the structural integrity to resist the mechanical load of the tapping sleeve or the product may not seal properly.**



# TRIPLE TAP<sup>®</sup> Series TS Tapping Sleeve

## Product Features

- Double the Range for Half the Inventory
- Fewer Bolts for Faster Installation
- Patented Gasket System works on all pipe material including HDPE
- Heavier Shell Means More Pipe Support
- On the Shelf for Immediate Shipment
- Flanged or MJ End for More Valve Options
- 4", 6", 8", 10", 12", 14" and 16" Branch Options available.  
NOTE: 14" and 16" Flanges have ANSI/ASME B16.5 Drilling Pattern Only.



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**Total Piping Solutions, Inc.**

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