



Triple Tap[®]

*Extended Range Stainless Steel
Tapping Sleeve*



Fewer Sizes, Less Inventory = More with Less



Total Piping Solutions, Inc.

[®]

TRIPLE TAP[®] *Series TS Tapping Sleeve*

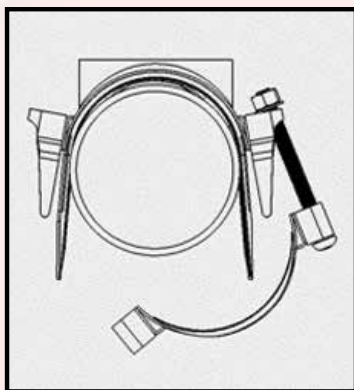
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The Triple Tap[®] Tapping Sleeve is the latest in the series of high performance, innovative products from Total Piping Solutions designed to save time, labor and inventory dollars in the water and wastewater piping industries.

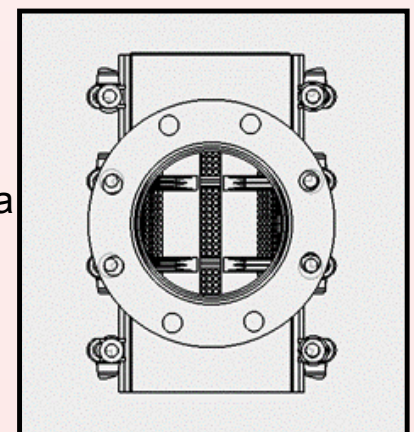
The Triple Tap features a number of distinct advantages, including a double range body, allowing a substantial reduction in inventory. The Triple Tap accommodates the tapping of steel, ductile, pvc, polyethylene and asbestos-cement pipes with one sleeve in a given diameter range. There is no need for 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 includes an easy to install hinged body geometry that offers extra spreading range without having to fully disassemble the product, allowing quick bolt up and installation.



The Triple Tap exceeds industry Standards, AWWA C223 and MSS SP-124-2012. An opposing seal bead system on the upper and lower gaskets combines to provide a secure 360-degree seal.



Patents pending for the aperture seal and the seal bead geometry, along with an innovative shell and lug design. Combined, they create a single product with added range, fewer sizes and beam break seal capability. Plus, this patent-pending for design provides fatigue-resistant branch welds and utilizes a heavy gauge design with a simple unitized wing lug system.

TRIPLE TAP[®] Series TS Tapping Sleeve

Specifications

Nominal Sizes Available 4" - 12"

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

Pressure Rating: 175 PSI Maximum Working Pressure with a minimum Safety Factor of 1.5 times or greater – All Triple Tap Tapping Sleeves tested to a test pressure of 275 PSI. All products tested utilizing a full circumferential seal test. Higher pressure ratings as per application requirements. With ANSI Class 150 Flange, Pressure Ratings up to 200 PSI are Available on all Triple Tap Products.

Temperature Rating: Maximum Continuous Working Temperature range of 150 Degrees F

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" and 12" diameters

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

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

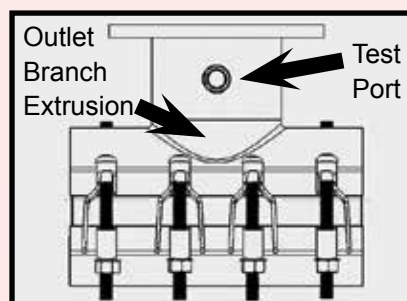
Spanner Plate: Extra heavy gauge 18-8 Stainless Steel (type 304) integral with gasket

Flange: 18-8 Stainless Steel (type 304) drilled to mate with ANSI Class 150 Drilling Pattern per AWWA Class "D" and machined with a recess per MSS SP-60 to accept industry used tapping valves. Higher pressure rated ANSI Flanges available on request

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 Fluoropolymer Coating to prevent galling, 316 Stainless Steel Nuts double coated with Fluoropolymer Coating to prevent galling.

Testing: Triple Tap 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.



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Nominal Diameter	Sleeve Length	Lower Diameter	Upper Diameter	Bolts	IPS	DI	PitCast	AC100	AC150	AC200	Copper
4	15	4.45	5.10	8	4.50	4.80	5.00				
4 O.S.	15	4.74	5.36	8		4.80	5.00	5.26	5.32		
5	15	5.50	6.20	8	5.56	5.57					6.13
6	15	6.55	7.42	8	6.63	6.90	7.10	7.40	7.37		
6 O.S.	15	6.84	7.65	8		6.90	7.10	7.40	7.37	7.60	
8	20	8.54	9.44	10	8.63	9.05	9.30				
8 O.S.	20	8.98	9.84	10		9.05	9.30	9.57	9.62	9.79	
10	25	10.64	11.46	14	10.75	11.10	11.40				
10 O.S.	25	11.34	12.16	14			11.40	11.77	12.12	12.12	
12	25	12.62	13.56	14	12.75	13.20	13.50				
12 O.S.	25	13.65	14.42	14				14.04	14.38	14.38	

Applicable Standards:

ANSI/AWWA C223-07 Fabricated Steel and Stainless Steel Tapping Sleeves

MSS SP-124-2012 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.

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.



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Form: TTS-1-2014

