

FTS420 TAPPING SLEEVE

SUBMITTAL INFORMATION



NSF61 certified upon request.



MATERIALS

BODY

ASTM A36 steel or equivalent unless noted.

FLANGE

AWWA Class D Steel Ring Flange, compatible with ANSI Class 125 and 150 bolt circles, are standard. Other flange styles are available. Designed to fit tapping valve lip per MSS SP-60 where applicable.

BOLTS AND NUTS

High strength low alloy steel bolts and nuts. Steel meets AWWA Standard C111. Type 304 and 316 Stainless Steel bolt material optional.

TEST PLUG

¾ inch NPT type 304 Stainless Steel. Plug threads coated to prevent galling.

FLANGE GASKET

Gaskets 3" through 12" full face proprietary gasket are made from Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000. Other compounds available for petroleum, chemicals, or high temperature service.

OUTLET GASKETS

3" through 12" size on size SBR wire reinforced. Larger than 12" size on size are Nitrile Butadiene Rubber (NBR) compounded for water and sewer service in accordance with ASTM D 2000. Other compounds available on request.

COATING

Fusion bonded epoxy in accordance with AWWA C213.

WORKING PRESSURE (PSIG):

NOM PIPE SIZE	WORKING PRESSURE RATING PER OUTLET SIZE (PSI)															
	≤3	4	6	8	10	12	14	16	18	20	24	28	30	36	42	48
6	250	250	250													
8	250	250	250	250												
10	250	250	250	250	175*											
12	250	250	250	250	175*	175*										
14	250	250	250	250	175*	175*	150									
16	250	250	250	250	175*	175*	150	150								
18	250	250	250	250	175*	175*	150	150	150							
20	250	250	250	250	175*	175*	150	150	150	150						
24	250	250	250	250	175*	175*	150	150	150	150	150					
28	200	200	200	200	175*	175*	150	150	150	150	150	150				
30	150	150	150	150	150	150	150	150	150	150	150	150	150			
36	150	150	150	150	150	150	150	150	150	150	150	150	150	150		
42	150	150	150	150	150	150	150	150	150	150	150	100	100	100	100	
>42	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

NOTE:

- Meets requirements of AWWA C223
- Test Pressure = 1.25 X working pressure.
- 3" – 12" outlets are provided with a Romac Tapping Flange Gasket.

- * Class E flanges are required on 10" and 12" outlets for working pressure greater than 175 psi and up to 250 psi. The 28" with 10" and 12" outlets are rated at 200 psi. with class E flanges. For higher pressure ratings consult your representative.

SIZES & RANGES

See Catalog. Other sizes available on request.

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.



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FTS420 FABRICATED STEEL TAPPING SLEEVE

ROMAC
INDUSTRIES, INC.

MATERIAL SPECIFICATIONS

BODY AND OUTLET NOZZLE: Carbon steel, A-36 or equal. (Also available in type 304SS, Style STS420)

BOLTS AND NUTS: Trackhead bolts, heavy hex nuts, 3/4" UNC rolled thread, high strength, low alloy, steel per AWWA C111. Optional stainless steel, type 304.

OUTLET GASKETS: SBR per ASTM D 2000, compounded for water and sewer service use. For 3"-12" size-on-size flanges, the gaskets are reinforced with a metal ring. Larger than 12" size-on-size sleeves use a square profile o-ring NBR per ASTM D2000 set in a full body thickness cavity. Other compounds available on request.

TEST PLUG: 3/4" NPT type 304 stainless steel test plug.

FLANGE GASKETS: 3" - 12" full face proprietary gasket are made from Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D2000. Other compounds available for petroleum, chemicals or high temperature service.

COATING: Fusion epoxy 8-12 mil. lined and coated. Other coatings available. Romac packages sleeves to protect coating.

FLANGE: AWWA Class "D" plate flange, ANSI Class 150 drilling, proper recessing for tapping valves. Will accommodate tapping flanges per MSS SP-60. (Also Available with a threaded outlet, Style FTS420T - see page 5-11 & 5-12)

Meets requirements of MSS SP-124, and AWWA C223

NOTE: FTS420 is not recommended for use on thin wall pipe such as IPS size PVC pipe, PIP and SDR35. For applications on thin wall PVC pipe, see FTS419 on page 6-8.



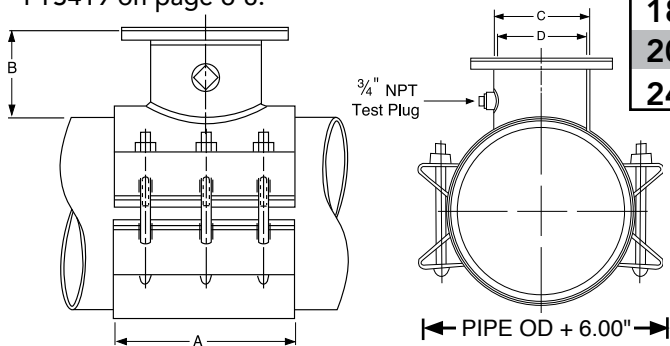
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**MEETS
AWWA C223**

FLANGE SIZE	A	B	C	D	BOLTS QTY: SIZE ¹
3"	12"	5.18"	4.03"	3 1/2"	6: 3/4" x 9"
4"	12"	5.18"	5.03"	6 1/2"	6: 3/4" x 9"
6"	12"	5.18"	7.03"	6 1/2"	6: 3/4" x 9"
8"	16"	5.18"	9.03"	8 1/2"	8: 3/4" x 9"
10"	20"	5.50"	11.03"	10 1/2"	10: 3/4" x 9"
12"	20"	5.75"	13.03"	12 1/2"	10: 3/4" x 9"
14" ²	24"	6.00"	15.03"	14 1/2"	12: 3/4" x 9"
16" ²	28"	6.00"	17.03"	16 1/2"	14: 3/4" x 9"
18" ²	32"	6.00"	19.03"	18 1/2"	16: 3/4" x 9"
20" ²	32"	6.00"	21.03"	20 1/2"	16: 3/4" x 9"
24" ²	36"	6.63"	25.03"	24 1/2"	18: 3/4" x 9"

¹ 7.16-14.56" sizes use 8" long bolts.

² Valve Manufacturer must be specified upon ordering.



FTS420-T FABRICATED STEEL TAPPING SLEEVE

MATERIAL SPECIFICATIONS

THREADED OUTLET MODEL FTS420T (for detailed information see pg. 5-11 & 5-12)

BODY: Carbon steel, A-36 or equal.

OUTLET: NPT (IP) or AWWA (CC) Female Threads

BOLTS AND NUTS: Trackhead bolts, heavy hex nuts, 3/4" UNC rolled thread, high strength, low alloy, steel per AWWA C111. Optional stainless steel, type 304.

GASKETS: SBR per ASTM D 2000 MBA 710, compounded for water and sewer service use. Other compounds available on request.

PAINT: Romac shopcoat for corrosion protection in transit. Optional fusion epoxy 8-12 mil. lined and coated. Other coatings available. Romac packages sleeves to protect any special coatings.

