

JCM 432 All Stainless Steel Tapping Sleeve

JCM 462 Stainless Steel Tapping Sleeve with Carbon Steel Flange

EXTRA BOLTING POWER...The true tapping sleeve design of this sleeve incorporates replaceable, self-aligning bolts, which facilitate conversion of high bolt torques to high gasket pressure, can be torqued to 125 ft. lbs. This increases gasket sealing pressure and pressure holding capability.

FULL CIRCUMFERENTIAL SEAL...The extra bolting power assures the gasket will seal the full circumference of the pipe. This provides insurance against beam breaks in size on size taps. Molded in recessed bridge plate assures even gasket pressure throughout the range of the sleeve.

STRONGER YET LIGHTER THAN CAST SLEEVES...Extra strength eliminates possible cracking of the sleeve or flange. Reduced weight speeds installation and reduces the load placed on the pipe.

EXTRA WIDE FOR SUPPORT AND STABILITY...Extra width and heavier neck and body material provide extra reinforcement of the outlet and extra stability during the tapping process.

JCM 432 - All stainless construction provides extra corrosion resistance. The stainless steel flange, outlet and body join as one unit of similar metals for highest structural strength and corrosion resistance.

JCM 462 - Stainless steel body/neck construction joins with a strong, economical carbon steel flange. Coated steel flange is to AWWA C207, Class D standard with recess for tapping alignment.

JCM 432 AND 462 MATERIAL SPECIFICATIONS:

Body: Stainless Steel, 18-8 Type 304

Bolts: Stainless Steel, Type 304

Branch Outlet: Heavy Stainless Steel Pipe

Gasket: Full circumferential Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Per ASTM D-2000 M4AA 607. Standard temperature range from -40° to 150°F (-40° to 65° C) constant, maximum intermittent 180°F (82°C). Optional: EPDM available. For applications on high temperatures or chemical pipelines, contact JCM Industries Technical Services.

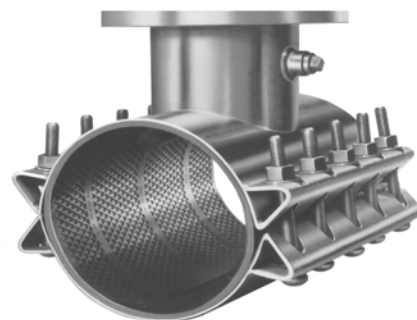
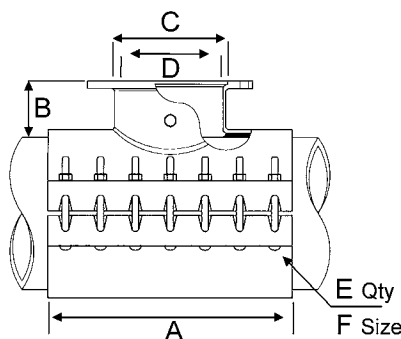
432 Flange: CF8 Cast Stainless Steel - equivalent to 18-8 Type 304 Stainless Steel. Per ANSI/AWWA Standard C228-08. ANSI 150lb. Drilling, recessed for tapping valve per MSS-SP 60.

462 Flange: AWWA C207 Class D, ANSI 150lb. Drilling, recessed for tapping valve MSS-SP60.

JCM Industries Tapping Sleeves meet or exceed the ANSI/AWWA C-223 and the MSS-SP 124 Standards as applicable.

JCM 432 & 462 STAINLESS STEEL TAPPING SLEEVE DIMENSIONS

FLANGE SIZE	A	B	C	D	E	F
4	15	5	5-1/32	4.26	10	5/8
6	15	5	7-1/32	6.36	10	5/8
8	21	5-1/8	9-1/32	8.33	14	5/8
10	27	5-1/2	11-1/16	10.42	18	5/8
12	30	5-3/4	13-1/16	12.39	20	5/8



Patent #4,708,373



Stainless Steel Tapping Sleeve - Full Circumferential Gasket - Flanged Outlet
JCM 432 Stainless Steel Flanged Outlet
JCM 462 Carbon Steel Flanged Outlet

NOM. PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	SLEEVE NUMBER	OUTLET SIZES	MODEL 432 STAINLESS STEEL FLANGE	MODEL 462 CARBON STEEL FLANGE	WIDTH OF SLEEVE	NUMBER OF BOLTS	APPR. WT. EA. LBS
4	4.40 - 4.60	0450	X 2	\$ 1,203.00	\$ 838.00	15	10	35
	4.50 - 4.80	0465	X 3	1,203.00	838.00	15	10	38
	4.74 - 5.00	0480	X 4	1,203.00	838.00	15	10	40
	5.10 - 5.30	0520						
6	6.56 - 6.90++	0663	X 2	1,214.00	870.00	15	10	42
	6.83 - 7.16	0690	X 3	1,214.00	870.00	15	10	42
	7.05 - 7.40	0720	X 4	1,214.00	870.00	15	10	47
	7.40 - 7.73	0745	X 6	1,252.00	991.00	15	10	49
8	8.54 - 8.74	0863	X 2	1,268.00	930.00	15	10	45
	8.60 - 9.05++	0900	X 3	1,268.00	930.00	15	10	45
	8.98 - 9.37	0905	X 4	1,268.00	930.00	15	10	51
	9.27 - 9.69	0940	X 6	1,370.00	986.00	15	10	54
10	9.83 - 10.25+	1000	X 2	1,446.00	1,021.00	15	10	46
	10.64 - 10.86	1075	X 3	1,446.00	1,021.00	15	10	46
	11.00 - 11.40	1110	X 4	1,446.00	1,021.00	15	10	55
	11.36 - 11.80	1140	X 6	1,567.00	1,099.00	15	10	60
12	11.76 - 12.24	1200	X 8	1,914.00	1,335.00	21	14	72
			X 10**	2,797.00	2,281.00	27	18	138
	12.62 - 12.88	1275	X 2	1,634.00	1,139.00	15	10	47
	12.75 - 13.20++	1300*	X 3	1,634.00	1,139.00	15	10	47
14	13.10 - 13.50	1320	X 4	1,634.00	1,139.00	15	10	60
	13.70 - 14.09	1392	X 6	1,809.00	1,225.00	15	10	64
	14.08 - 14.40	1420	X 8	2,271.00	1,838.00	21	14	90
			X 10**	2,886.00	2,378.00	27	18	150
16			X 12**	3,199.00	2,580.00	30	20	161
	15.20 - 15.60	1530	X 2	1,929.00	1,910.00	15	10	74
	15.80 - 16.20	1600	X 3	1,929.00	1,910.00	15	10	74
	16.38 - 16.78	1650	X 4	1,929.00	1,910.00	15	10	80
18			X 6	2,102.00	2,063.00	15	10	85
			X 8	2,527.00	2,463.00	21	14	114
			X 10**	3,202.00	3,152.00	27	18	162
			X 12**	3,596.00	3,511.00	30	20	171
20	17.40 - 17.80	1740	X 2	2,311.00	1,910.00	15	10	78
	17.75 - 18.15	1800	X 3	2,311.00	1,910.00	15	10	78
	18.58 - 18.98	1875	X 4	2,311.00	1,910.00	15	10	78
			X 6	2,615.00	2,063.00	15	10	90
22			X 8	2,842.00	2,463.00	21	14	126
			X 10**	3,562.00	3,152.00	27	18	163
			X 12**	3,899.00	3,511.00	30	20	175
	19.30 - 19.70	1950	X 2	2,311.00	2,299.00	15	10	80
24	19.80 - 20.20	1990	X 3	2,311.00	2,299.00	15	10	80
	21.20 - 21.40	2130	X 4	2,311.00	2,299.00	15	10	80
			X 6	2,615.00	2,589.00	15	10	90
			X 8	3,035.00	2,981.00	21	14	130
26	21.40 - 21.80	2160	X 2	2,437.00	2,423.00	15	10	85
	21.90 - 22.30	2206	X 3	2,437.00	2,423.00	15	10	85
	22.30 - 22.70	2250	X 4	2,618.00	2,594.00	15	10	92
			X 6	3,068.00	3,010.00	21	14	136
28	23.45 - 23.85	2360	X 2	2,568.00	2,555.00	15	10	105
	25.60 - 26.00	2580	X 3	2,568.00	2,555.00	15	10	105
	26.20 - 26.60	2632	X 4	2,800.00	2,777.00	15	10	125
			X 6	3,347.00	3,296.00	21	14	150

+NOTE: THIS SIZE NOT AVAILABLE WITH A SIZE ON SIZE OUTLET.

++NOTE: RECOMMENDED FOR IPS PVC, STEEL, C-900 PVC, DUCTILE IRON PIPE DIAMETERS. NOT RECOMMENDED FOR PIT CAST IRON PIPE. FOR OVERSIZED OR PIT CAST IRON PIPE, SEE NEXT LARGER RANGE.

*NOTE: NOT AVAILABLE IN 10" OR 12" OUTLET SIZES

**NOTE: 10" & 12" OUTLETS, MAXIMUM WORKING PRESSURE 150 PSI, MAXIMUM TEST PRESSURE 200 PSI.

For larger sizes and outlets, see JCM 412 Tapping Sleeve or JCM 452 All Stainless Steel Tapping Sleeve.

HOW TO ORDER

1. Determine O.D. of pipe.
2. Select proper Sleeve O.D. range.
3. Specify catalog number and outlet size.

EXAMPLE: For PVC pipe with 08.63 O.D. with 6" outlet, order: 432-0863 x 6. For carbon steel flange, order: 462-0863 x 6

