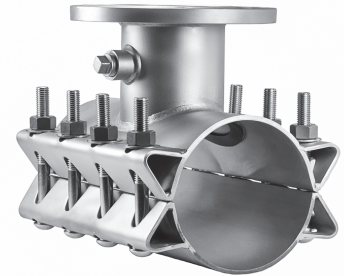


# JCM Stainless Steel Tapping Sleeves with Outlet Seal Gasket

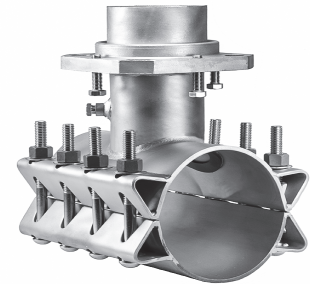
## Available With Flanged Outlet or Mechanical Joint Outlet\* in Stainless Steel or Carbon Steel

### Rugged and Heavy Duty Stainless Tapping Sleeves Offer Extra Benefits.

- **Heavy Duty Design...**  
Heavier construction and thicker metal provide extra reinforcement of the pipe and outlet. The extra bolting power and body thickness eliminate problems inherent with light weight sleeves. Reduced weight aids in installation and handling as well as reducing load on the pipe.
- **High Pressure Capability - High Safety Factor...**  
The broad, heavy hydromechanical gasket provides for high working pressure applications. They are also ideal for critical problem prone taps such as pump and lift stations, large diameter mains and large outlets.
- **Large Sizes - High Pressure...**  
The premier sleeve for larger sizes of ductile iron, PVC, PE and steel pipe, these sleeves are capable of working pressure of 1.5 times the valves commonly used with these types of pipe. Higher pressure sleeves are available on request.
- **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.
- **Affordable...**  
These stainless sleeves are surprisingly affordable in all sizes. Larger sleeves are priced less than ductile iron mechanical joint sleeves which offer less corrosion resistance and pressure capability.



**JCM 452 - 464 Stainless Tapping Sleeve  
Flanged Outlet**



**JCM 459 - 465 Stainless Tapping Sleeve  
Mechanical Joint Outlet\***

### MATERIAL SPECIFICATIONS

(Fitting dimensions - see JCM 412 Fabricated Tapping Sleeve)

- Body:** Stainless Steel, 18-8 Type 304. Optional 316 Stainless Steel.
- Bolts:** Stainless Steel, 18-8 Type 304. Optional 316 Stainless Steel.
- Outlet:** Heavy Stainless Steel Pipe. Optional 316 Stainless Steel.
- Gasket:** Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C - 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional gasket materials available.

**452 Flange:** 18-8 Type 304 Stainless Steel per ANSI/AWWA C228 Class SD. ANSI 150lb. Drilling, recessed for tapping valve per MSS-SP 60. Optional 316 Stainless Steel.

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

**459 MJ Outlet:** CF8 Cast Stainless Steel - equivalent to 18-8 Type 304 Stainless Steel meets AWWA C-111/ANSI 21.11 Standard Dimensions. Optional 316 Stainless Steel.

**465 MJ Outlet:** Carbon Steel meets AWWA C-111/ANSI 21.11 Standard Dimensions

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

\*Licensed by PowerSeal Corporation U. S. Patent No. 6,227,234.



**Stainless Steel Tapping Sleeves - Outlet Seal Gasket - Flanged Outlet**  
**JCM 452 Stainless Steel Flanged Outlet**  
**JCM 464 Carbon Steel Flanged Outlet**

**OUTLET SEAL GASKET • HIGH PRESSURE CAPABILITY • HIGH SAFETY FACTOR • LARGE SIZES**

NOM. PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	MODEL 452 STAINLESS STEEL FLANGE	MODEL 464 CARBON STEEL FLANGE	OUTLET SIZES	APPROX. WEIGHT EACH
4	4.50	452-0450	464-0450	X 3	32
	4.80	452-0480	464-0480	X 4	32
6	6.63	452-0663	464-0663	X 3	74
	6.83 - 7.16	452-0690	464-0690	X 4	76
	7.05 - 7.40	452-0720	464-0720	X 6	82
	7.40 - 7.73	452-0745	464-0745		
8	8.63	452-0863	464-0863	X 3	83
	8.98 - 9.37	452-0905	464-0905	X 4	85
	9.27 - 9.69	452-0940	464-0940	X 6	88
				X 8	118
10	9.83 - 10.25*	452-1000	464-1000	X 3	90
	10.64 - 10.86	452-1075	464-1075	X 4	92
	11.03 - 11.47	452-1110	464-1110	X 6	96
	11.36 - 11.80	452-1140	464-1140	X 8	125
	11.76 - 12.24	452-1200	464-1200	X 10	168
12	12.62 - 12.88	452-1275	464-1275	X 3	98
	13.13 - 13.60	452-1320	464-1320	X 4	100
	13.60 - 14.09	452-1392	464-1392	X 6	104
	14.08 - 14.56	452-1420	464-1420	X 8	140
				X 10	176
14	14.59 - 15.08	452-1475	464-1475	X 12	216
	15.23 - 15.80	452-1530	464-1530	X 3	113
	15.73 - 16.22	452-1600	464-1600	X 4	115
	16.30 - 16.73	452-1650	464-1650	X 6	116
				X 8	150
16	16.74 - 17.26	452-1684	464-1684	X 10	190
	17.33 - 17.87	452-1740	464-1740	X 12	220
	17.88 - 18.43	452-1800	464-1800	X 3	113
	18.62 - 19.19	452-1875	464-1875	X 4	115
				X 6	120
18	18.87 - 19.45	452-1920	464-1920	X 8	162
	19.41 - 20.01	452-1950	464-1950	X 10	210
	20.00 - 20.60	452-2000	464-2000	X 12	230
	20.29 - 20.94	452-2050	464-2050	X 3	120
	20.93 - 21.57	452-2130	464-2130	X 4	122
20	21.51 - 22.15	452-2160	464-2160	X 6	126
	22.16 - 22.81	452-2254	464-2254	X 8	180
	22.78 - 23.45	452-2294	464-2294	X 10	240
	23.46 - 24.16	452-2400	464-2400	X 12	245
	24.15 - 24.85	452-2450	464-2450	X 3	131
	24.82 - 25.52	452-2502	464-2502	X 4	133
24	25.71 - 26.41	452-2580	464-2580	X 6	140
	26.55 - 27.25	452-2715	464-2715	X 8	185
	27.26 - 27.96	452-2746	464-2746	X 10	245
	28.14 - 28.84	452-2834	464-2834	X 12	255
				X 3	143
30	29.78 - 30.48	452-3000	464-3000	X 4	143
	30.48 - 31.18	452-3075	464-3075	X 6	160
	31.52 - 32.22	452-3200	464-3200	X 8	215
				X 10	280
				X 12	312

\*These sizes not available with size on size outlets.

JCM 452/464 Tapping Sleeves furnished with test plugs unless otherwise specified.

For size on size outlets a 1/2" undersize shell cutter is required.

**Pipe sizes 72" and larger available upon request.**

**For outlets 14" and larger, the tapping valve to be used must be specified to assure proper alignment recess dimension.**



Certified to NSF/ANSI 61