



Pipe Fittings & Fabrications for Industrial Service

P.O. Box 1220, Nash, TX 75569-1220
Phone: 903-832-2581, Fax 903-838-6260
www.jcmindustrialfittings.com

Contact JCM: Call Toll Free 800-527-8482
Fax Toll Free 800-874-9524
sales@jcmindustrialfittings.com

JCM Fabricated Tapping Sleeves

JCM 472 Carbon Steel Fabricated Tapping Sleeves

Built-in benefits make these heavy fabricated steel sleeves increasingly popular for making larger taps on all types of pipe. By placing the design emphasis on eliminating problems inherent with older pipe and field installations, JCM Fabricated Tapping Sleeves have taken the complexity out of tapping or branching pipe.

Built in range - accommodates pipe industry tolerances and non-standard pipe diameters.

Ease of assembly - eliminates extra equipment, time and specially trained personnel.

Ready availability - taps can be made without long delays - even taps on special sizes of pipe - or services requiring high pressure flanges.

Direct reinforcement of the pipe - eliminates flexing or deflection of pipe opposite the tap.

Large gasket cross section set in retaining cavity - provides a positive initial seal which increases with increases in line pressure.

Heavy steel sleeve - eliminates deflection possibility. Most important, JCM Fabricated Tapping Sleeves assure a safe dependable tap.



**JCM 472 Carbon Steel Tapping Sleeve
Flanged Outlet**

MATERIAL SPECIFICATIONS - JCM FABRICATED TAPPING SLEEVES 472

Body: ASTM 283, ASTM 285 Grade C, ASTM A516 Grade 70 Steel or equal.

Bolts: Corrosion resistant, high strength low alloy ASTM A242, A193 B5, B7. Optional A193 B8 304 stainless steel or 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.

Finish: Heavy coat of corrosion resistant metal primer.

Optional Fusion Epoxy Coating available.

Standard Flange: ASME/ANSI B16.5 Class 150, 300, ASTM A105

Flanges Available Upon Request

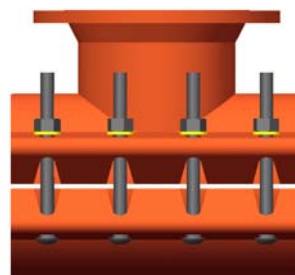
ASME/ANSI B16.1 Class 125, 250

ASME/ANSI B16.47 Series A & B, Class 150, 300

Weld Neck, Blind, Slip-on, Reducing, Threaded, Socket Weld, Lap Joint, Angle Face, Van Stone

Concentric and Eccentric Flanges

Other Flanges available upon request



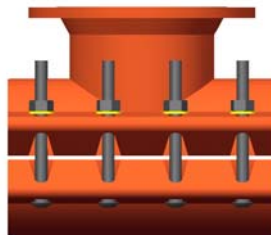
JCM 471 Carbon Steel Tapping Sleeve with Plain End Outlet

Built to the same exacting standards of the JCM 472 Carbon Steel Sleeve furnished with a plain outlet with options including beveled for welding, square/butt cut and custom outlet/neck lengths.

Design code and NDE specifications upon request. JCM Fabricated Tapping Sleeves can be manufactured in a variety of styles and configurations including offset outlets, tapping crosses and other designs to best fit your needs. Submit application information to JCM Engineered and Technical Sales at 800-527-8482 or 903-832-2581.



**JCM 471 Carbon Steel Tapping
Sleeve
Plain End Outlet**



JCM 472 Fabricated Carbon Steel Tapping Sleeve - Flanged Outlet

JCM 471 Fabricated Carbon Steel Tapping Sleeve - Plain Outlet

NOMINAL PIPE SIZE		SLEEVE O.D. RANGE		SLEEVE NUMBER (471 for Plain Outlet) X ANY OUTLET	OUTLET SIZES AVAILABLE	APPR. WT. EACH (LBS.)
IN	MM	IN	MM			
6	150	6.83 - 7.16	173 - 181	472-0690	X 3	74
					X 4	76
					X 6	82
8	200	8.98 - 9.37 9.27 - 9.69	228 - 237 235 - 246	472-0905 472-0940	X 3	83
					X 4	85
					X 6	88
10	250	9.83 - 10.25 10.64 - 10.86 11.03 - 11.47	249 - 260 270 - 275 280 - 291	*472-1000 472-1075 472-1110	X 8	118
					X 10	90
					X 12	92
12	300	12.62 - 12.88 13.13 - 13.60	320 - 327 333 - 345	472-1275 472-1320	X 3	96
					X 4	125
					X 6	168
14	350	15.23 - 15.80 15.73 - 16.22	386 - 401 399 - 411	472-1530 472-1600	X 8	98
					X 10	100
					X 12	104
16	400	17.33 - 17.87 17.88 - 18.43	440 - 453 454 - 468	472-1740 472-1800	X 3	140
					X 4	176
					X 6	216
18	450	19.41 - 20.01 20.00 - 20.60 20.29 - 20.94	493 - 508 508 - 523 515 - 531	472-1950 472-2000 472-2050	X 8	113
					X 10	115
					X 12	120
20	500	21.51 - 22.15 23.46 - 24.16	546 - 562 595 - 613	472-2160 472-2400	X 3	126
					X 4	180
					X 6	240
24	600	25.71 - 26.41 26.55 - 27.25	653 - 670 674 - 692	472-2580 472-2715	X 8	245
					X 10	255
					X 12	143

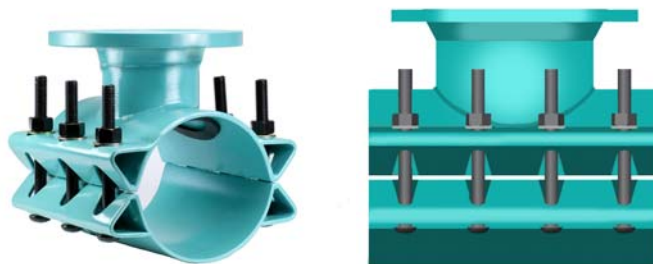
LARGER AND NON-STANDARD SIZES AVAILABLE UPON REQUEST

*These sizes not available with size on size outlets.

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

Conversion of U.S./Metric dimensions are approximate; application pipe diameter and range to be verified by the end user.

JCM 472 Tapping Sleeves for Steel, PVC, HDPE Pipe Size Flanged Outlet



TYPE AND CLASS OF PIPE	NOMINAL PIPE SIZE		SLEEVE O.D. RANGE		CATALOG NUMBER	ADD OUTLET SIZE	APPR. WT. EACH (LBS.)
	IN	MM	IN	MM			
Steel Pipe IPS SIZES, SCHEDULE PIPE PVC Pipe IPS SIZED SDR 26, 21 SCH. 40 CLASS 200, CLASS 160 C-900 PVC Ductile Iron Cast Iron	2	50	2.38 2.50	60 63	472-0238 472-0250	x 2	15
	3	80	3.50 3.96	88 100	472-0350 472-0396	x 3	18
	4	100	4.50 4.80	114 121	472-0450 472-0480	x 3 x 4	29 31
	5	125	5.56	141	472-0556	x 3 x 4	32 33
	6	150	6.63 6.90	168 175	472-0663 472-0690	x 3 x 4 x 6	33 35 44
	8	200	8.63 9.05	219 229	472-0863 472-0905	x 3 x 4 x 6 x 8	36 38 49 64
	10	250	10.75 11.10	273 281	472-1075 472-1110	x 3 x 4 x 6 x 8 x10	90 92 96 125 168
	12	300	12.75 13.20	323 335	472-1275 472-1320	x 3 x 4 x 6 x 8 x10 x 12	98 100 104 140 176 216

How To Order - JCM 472 Tapping Sleeves

1. Determine O.D. of pipe.	3. Specify catalog number and outlet size.	EXAMPLE: For PVC pipe with 08.63 O.D. with 6" outlet, order: 472-0863 x 6. For stainless steel bolts, add (SS).
2. Select proper Sleeve O.D. range.	For 472 Epoxy is standard. Add (SS) for Stainless Bolts.	

Conversion of U.S./Metric dimensions are approximate; application pipe diameter and range to be verified by the end user.