

# JCM 419 Fabricated Carbon Steel Tapping Sleeves Mechanical Joint Outlet\*

JCM Mechanical Joint Outlets meet AWWA C-111/ANSI 21.11 Standard Dimensions

NOM. PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	SLEEVE NUMBER X ANY OUTLET	OUTLET SIZES AVAILABLE	APPR. WT. EACH (LBS.)
6	6.63 (SEE 429)	419-0690 419-0720 419-0745	X 4 X 6	76 82
	6.83 - 7.16			
	7.05 - 7.40			
	7.40 - 7.73			
8	8.63 (SEE 429)	419-0905 419-0940	X 4 X 6 X 8	85 88 118
	8.98 - 9.37			
	9.27 - 9.69			
10	9.83 - 10.25*	419-1000 419-1075 419-1110 419-1140 419-1200	X 4 X 6 X 8 X 10	92 96 125 168
	10.64 - 10.86			
	11.03 - 11.47			
	11.36 - 11.80			
	11.76 - 12.24			
12	12.62 - 12.88	419-1275 419-1320 419-1392 419-1420	X 4 X 6 X 8 X 10 X 12	100 104 140 176 216
	13.13 - 13.60			
	13.60 - 14.09			
	14.08 - 14.56			
14	14.59 - 15.08	419-1475 419-1530 419-1600 419-1650	X 4 X 6 X 8 X 10 X 12	115 116 150 190 220
	15.23 - 15.80			
	15.73 - 16.22			
	16.30 - 16.73			
16	16.74 - 17.26	419-1684 419-1740 419-1800 419-1875	X 4 X 6 X 8 X 10 X 12	115 120 162 210 230
	17.33 - 17.87			
	17.88 - 18.43			
	18.62 - 19.19			
18	18.87 - 19.45	419-1920 419-1950 419-2000 419-2050 419-2130	X 4 X 6 X 8 X 10 X 12	122 126 180 240 245
	19.41 - 20.01			
	20.00 - 20.60			
	20.29 - 20.94			
	20.93 - 21.57			
20	21.51 - 22.15	419-2160 419-2254 419-2294 419-2400 419-2450 419-2502	X 4 X 6 X 8 X 10 X 12	133 140 185 245 255
	22.16 - 22.81			
	22.78 - 23.45			
	23.46 - 24.16			
	24.15 - 24.85			
	24.82 - 25.52			
24	25.71 - 26.41	419-2580 419-2715 419-2746 419-2834	X 4 X 6 X 8 X 10 X 12	143 160 215 280 312
	26.55 - 27.25			
	27.26 - 27.96			
	28.14 - 28.84			
30	29.78 - 30.48	419-3000 419-3075 419-3200	X 4 X 6 X 8 X 10 X 12	165 175 226 295 310
	30.48 - 31.18			
	31.52 - 32.22			

\*These sizes not available with size on size outlets. For size on size outlets a 1/2" undersize shell cutter is required.

JCM 419 are furnished with test plugs unless otherwise specified.

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## JCM 419 FABRICATED TAPPING SLEEVE - MECHANICAL JOINT OUTLET

OUTLET	A	B	C	D	E
4	12	5	5-1/32	6	3/4
6	12	5	7-1/32	6	3/4
8	16	5-1/8	9-1/32	8	3/4
10	20	5-1/2	11-1/16	10	3/4
12	24	5-3/4	13-1/16	12	3/4

