

JCM 412 Fabricated Tapping Sleeve - Carbon Steel

| Nom Pipe Size (IN) | Pipe OD Range (IN) | Sleeve Number | X | Outlet Sizes | Shopcoat Alloy Bolts List Price Ea | Epoxy Coat Alloy Bolts List Price Ea | Epoxy Coat 304 SS Bolts List Price Ea | Appr Wt Each Lbs |
|--------------------|--------------------|---------------|---|--------------|------------------------------------|--------------------------------------|---------------------------------------|------------------|
| 6.63 (SEE 422) | | | | | | | | |
| 6** | 6.83 - 7.16 | 412-0690 | X | 3 | \$ 756.00 | \$ 872.00 | \$ 1,055.00 | 50 |
| | 7.05 - 7.40 | 412-0720 | | 4 | 756.00 | 872.00 | 1,055.00 | 55 |
| | 7.40 - 7.73 | 412-0745 | | 6 | 845.00 | 989.00 | 1,153.00 | 63 |
| 8.63 (SEE 422) | | | | | | | | |
| 8 | 8.98 - 9.37 | 412-0905 | X | 3 | 823.00 | 887.00 | 1,078.00 | 83 |
| | 9.27 - 9.69 | 412-0940 | | 4 | 823.00 | 887.00 | 1,078.00 | 85 |
| | | 6 | | 869.00 | 1,014.00 | 1,156.00 | 88 | |
| | | | | 8 | 1,102.00 | 1,267.00 | 1,485.00 | 125 |
| 10 | 9.83 - 10.25 | *412-1000 | X | 3 | 858.00 | 943.00 | 1,123.00 | 90 |
| | 10.64 - 10.86 | 412-1075 | | 4 | 858.00 | 943.00 | 1,123.00 | 108 |
| | 11.03 - 11.47 | 412-1110 | | 6 | 917.00 | 1,036.00 | 1,209.00 | 120 |
| | 11.36 - 11.80 | 412-1140 | | 8 | 1,143.00 | 1,340.00 | 1,515.00 | 135 |
| | 11.76 - 12.24 | 412-1200 | | 10 | 1,512.00 | 1,728.00 | 1,954.00 | 173 |
| | | | | 3 | 877.00 | 1,014.00 | 1,184.00 | 98 |
| 12 | 12.62 - 12.88 | 412-1275 | X | 4 | 877.00 | 1,014.00 | 1,184.00 | 111 |
| | 13.13 - 13.60 | 412-1320 | | 6 | 956.00 | 1,110.00 | 1,291.00 | 146 |
| | 13.60 - 14.09 | 412-1392 | | 8 | 1,216.00 | 1,432.00 | 1,632.00 | 155 |
| | 14.08 - 14.56 | 412-1420 | | 10 | 1,615.00 | 1,977.00 | 2,203.00 | 248 |
| | | 12 | | 1,843.00 | 2,149.00 | 2,387.00 | 216 | |
| | | | | 3 | 919.00 | 1,082.00 | 1,221.00 | 113 |
| 14 | 14.59 - 15.08 | 412-1475 | X | 4 | 919.00 | 1,082.00 | 1,221.00 | 115 |
| | 15.23 - 15.80 | 412-1530 | | 6 | 1,014.00 | 1,176.00 | 1,341.00 | 146 |
| | 15.73 - 16.22 | 412-1600 | | 8 | 1,294.00 | 1,526.00 | 1,710.00 | 155 |
| | 16.30 - 16.73 | 412-1650 | | 10 | 1,704.00 | 2,086.00 | 2,236.00 | 190 |
| | | | | 12 | 1,936.00 | 2,259.00 | 2,480.00 | 250 |
| | | | | 3 | 964.00 | 1,102.00 | 1,262.00 | 113 |
| 16 | 16.74 - 17.26 | 412-1684 | X | 4 | 964.00 | 1,102.00 | 1,262.00 | 115 |
| | 17.33 - 17.87 | 412-1740 | | 6 | 1,066.00 | 1,238.00 | 1,402.00 | 150 |
| | 17.88 - 18.43 | 412-1800 | | 8 | 1,320.00 | 1,604.00 | 1,785.00 | 181 |
| | 18.62 - 19.19 | 412-1875 | | 10 | 1,781.00 | 2,145.00 | 2,366.00 | 230 |
| | | | | 12 | 2,046.00 | 2,353.00 | 2,574.00 | 280 |
| 18 | 18.87 - 19.45 | 412-1920 | X | 3 | 989.00 | 1,137.00 | 1,286.00 | 120 |
| | 19.41 - 20.01 | 412-1950 | | 4 | 989.00 | 1,137.00 | 1,286.00 | 122 |
| | 20.00 - 20.60 | 412-2000 | | 6 | 1,112.00 | 1,273.00 | 1,417.00 | 137 |
| | 20.29 - 20.94 | 412-2050 | | 8 | 1,424.00 | 1,611.00 | 1,819.00 | 180 |
| | 20.93 - 21.57 | 412-2130 | | 10 | 1,838.00 | 2,214.00 | 2,431.00 | 221 |
| | | | | 12 | 2,091.00 | 2,425.00 | 2,624.00 | 245 |
| 20 | 21.51 - 22.15 | 412-2160 | X | 3 | 1,074.00 | 1,165.00 | 1,379.00 | 131 |
| | 22.16 - 22.81 | 412-2254 | | 4 | 1,074.00 | 1,165.00 | 1,379.00 | 150 |
| | 22.78 - 23.45 | 412-2294 | | 6 | 1,211.00 | 1,318.00 | 1,532.00 | 157 |
| | 23.46 - 24.16 | 412-2400 | | 8 | 1,548.00 | 1,716.00 | 1,960.00 | 208 |
| | 24.15 - 24.85 | 412-2450 | | 10 | 1,992.00 | 2,293.00 | 2,524.00 | 245 |
| | 24.82 - 25.52 | 412-2502 | | 12 | 2,198.00 | 2,462.00 | 2,824.00 | 310 |
| | | | | 3 | 1,129.00 | 1,327.00 | 1,481.00 | 160 |
| 24 | 25.71 - 26.41 | 412-2580 | X | 4 | 1,129.00 | 1,327.00 | 1,481.00 | 160 |
| | 26.55 - 27.25 | 412-2715 | | 6 | 1,277.00 | 1,488.00 | 1,647.00 | 180 |
| | 27.26 - 27.96 | 412-2746 | | 8 | 1,643.00 | 1,924.00 | 2,139.00 | 215 |
| | 28.14 - 28.84 | 412-2834 | | 10 | 2,206.00 | 2,592.00 | 2,864.00 | 280 |
| | | | | 12 | 2,389.00 | 2,760.00 | 3,051.00 | 360 |
| | | | | 3 | 1,238.00 | 1,418.00 | 1,619.00 | 163 |
| 30 | 29.78 - 30.48 | 412-3000 | X | 4 | 1,238.00 | 1,418.00 | 1,619.00 | 165 |
| | 30.48 - 31.18 | 412-3075 | | 6 | 1,406.00 | 1,589.00 | 1,798.00 | 220 |
| | 31.52 - 32.22 | 412-3200 | | 8 | 1,836.00 | 2,096.00 | 2,314.00 | 226 |
| | | | | 10 | 2,338.00 | 2,837.00 | 3,131.00 | 295 |
| | | | | 12 | 2,555.00 | 2,949.00 | 3,223.00 | 400 |

*Range not available with size on size outlet.

**Sizes incorporate (8) - 5/8" bolts.

Size on size outlets require a 1/2" undersize shell cutter.

JCM 412 Tapping Sleeves furnished with test plugs unless otherwise specified.

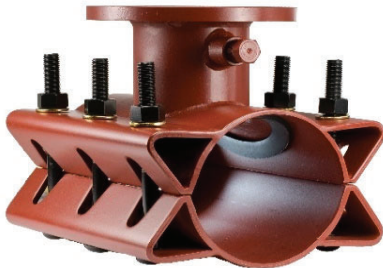
Tapping Sleeves with outlets 3" and smaller are Non Returnable Items

JCM 412 Large Diameter Fabricated Tapping Sleeve - Carbon Steel

| Nom Pipe Size (IN) | Pipe OD Range (IN) | Sleeve Number | X | Outlet Size | Shopcoat Alloy Bolts | Epoxy Coat Alloy Bolts | Epoxy Coat 304 SS Bolts | Appr Wt Each Lbs |
|--------------------|--------------------|---------------|---|-------------|----------------------|------------------------|-------------------------|------------------|
| 36 | 35.75 - 36.25 | 412-3600 | X | 3 | P.O.A. | P.O.A. | P.O.A. | 322 |
| | | | | 4 | P.O.A. | P.O.A. | P.O.A. | 326 |
| | | | | 6 | P.O.A. | P.O.A. | P.O.A. | 342 |
| | | | | 8 | P.O.A. | P.O.A. | P.O.A. | 354 |
| | | | | 10 | P.O.A. | P.O.A. | P.O.A. | 445 |
| | | | | 12 | P.O.A. | P.O.A. | P.O.A. | 561 |
| 42 | 41.75 - 42.25 | 412-4200 | X | 3 | P.O.A. | P.O.A. | P.O.A. | 390 |
| | | | | 4 | P.O.A. | P.O.A. | P.O.A. | 390 |
| | | | | 6 | P.O.A. | P.O.A. | P.O.A. | 450 |
| | | | | 8 | P.O.A. | P.O.A. | P.O.A. | 475 |
| | | | | 10 | P.O.A. | P.O.A. | P.O.A. | 520 |
| | | | | 12 | P.O.A. | P.O.A. | P.O.A. | 630 |
| 48 | 47.75 - 48.25 | 412-4800 | X | 3 | P.O.A. | P.O.A. | P.O.A. | 412 |
| | | | | 4 | P.O.A. | P.O.A. | P.O.A. | 412 |
| | | | | 6 | P.O.A. | P.O.A. | P.O.A. | 465 |
| | | | | 8 | P.O.A. | P.O.A. | P.O.A. | 500 |
| | | | | 10 | P.O.A. | P.O.A. | P.O.A. | 540 |
| | | | | 12 | P.O.A. | P.O.A. | P.O.A. | 690 |
| 54 | 53.75 - 54.25 | 412-5400 | X | 3 | P.O.A. | P.O.A. | P.O.A. | 425 |
| | | | | 4 | P.O.A. | P.O.A. | P.O.A. | 425 |
| | | | | 6 | P.O.A. | P.O.A. | P.O.A. | 490 |
| | | | | 8 | P.O.A. | P.O.A. | P.O.A. | 530 |
| | | | | 10 | P.O.A. | P.O.A. | P.O.A. | 560 |
| | | | | 12 | P.O.A. | P.O.A. | P.O.A. | 731 |

Larger Pipe and Outlet Sizes Available

JCM 412 Tapping Sleeves furnished with test plugs unless otherwise specified.



JCM 412 Fabricated Steel 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 larger pipe.

JCM 411 Fabricated Tapping Sleeve with Plain Outlet - built with the same robust design and materials as the 412 - with a plain outlet that can be provided butt cut or beveled for welding. Contact JCM for details.

JCM 413 Fabricated Tapping Cross - designed for double outlets 180° across. Contact JCM for details.

