

JCM INDUSTRIES

P. O. Box 1220, Nash, TX 75569-1220

Phone 800-527-8482 or 903-832-2581

Fax 800-874-9524 or 903-838-6260

www.jcmindustries.com

Typical Specification

JCM 429 Fabricated Mechanical Joint Outlet Tapping Sleeve for PVC and Steel Pipe

Tapping sleeves for 4" through 12" PVC and steel pipe shall be the high strength type with a body fabricated of ASTM A36, A516 GR 70 or equal, which conforms to and reinforces the pipe. The sleeve shall be sized to fit the exact dimension of the pipe and have 5/8" bolts on 3" centers. The sleeve shall have a Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000 gasket with hydromechanical activated lip, captured in a groove around the outlet. The sleeve shall be fusion epoxy coated to a minimum 12 mils thickness, per ANSI/AWWA C213 and furnished with a type 304 stainless steel plug in the test outlet. Tapping Sleeves shall be JCM 422 or approved equal.

Mechanical Joint Outlet shall meet the ANSI 21.11/AWWA C111 Standard for Mechanical Joint Dimensions. Outlet shall be furnished with load bearing alignment set pins to prevent movement of the tapping assembly before or during the tapping process.

Tapping Sleeves shall be JCM 429 or approved equal.

JCM 400 Series Tapping Sleeves are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.

JCM 400 Series Tapping Sleeves meet MSS-SP124 and ANSI/AWWA Standard C223 Fabricated Steel and Stainless Steel Tapping Sleeves as applicable.



JCM 429 Tapping Sleeve
Image reflects 6" x 4"

This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.

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Material Specification

JCM 429 Fabricated Mechanical Joint Outlet Tapping Sleeve for PVC and Steel Pipe

Body: Carbon Steel per ASTM A36, A516 GR 70 or equal

Bolts: 5/8" Corrosion resistant, high strength low alloy oval neck track head bolt per ASTM A242/ANSI 21.11/AWWA C111 and heavy hex nut per A563 electro coated, Powercron 590-534. Optional: Stainless Steel 18-8 Type 304 or 316 available.

Outlet: Mechanical Joint Outlet shall meet the ANSI 21.11/AWWA C111 Standard for Mechanical Joint Dimensions.

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydro mechanical 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.

Finish: Fusion applied epoxy coating, minimum 12 mils thickness per ANSI/AWWA Standard C213 Fusion Bonded Epoxy Coatings and Linings for Steel Water Pipe and Fittings.

Service Rating: Sleeve pressure rating with mechanical joint outlets:
4" – 12"* nominal pipe sizes: 250 PSI working pressure, hydrostatic test pressure of 300 PSI
*12 x 12 with Stainless Bolts: 200 PSI working pressure, hydrostatic test pressure of 250 PSI

JCM 429 Tapping Sleeves require a 1/2" undersized cutter.

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JCM 429 FABRICATED TAPPING SLEEVE WITH MECHANICAL JOINT OUTLET

OUTLET	A	B	C	D	E
3	9*	5-1/16	3.32	6	5/8
4	9*	5-3/16	4.26	6	5/8
6	12	5-5/16	6.36	8	5/8
8	15	5-7/16	8.33	10	5/8
10	21	5-7/16	10.42	14	5/8
12	24	5-7/16	12.39	16	5/8

*10" & 12" Nominal pipe sizes - dimension A is 12".

