

# JCM INDUSTRIES

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

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[www.jcmindustries.com](http://www.jcmindustries.com)

## Typical Specification

### JCM 411 Plain Outlet Tapping Sleeve

Tapping Sleeve shall be the high strength type having a wide body, made of a minimum of ASTM 285 Grade C Steel, which conforms to and reinforces the pipe. The Sleeve shall have as a minimum 7/8" wide recessed Buna-N gasket around the outlet, 3/4" corrosion resistant alloy bolts per A242/ANSI 21.11/AWWA C111 and hydrostatic test pressure capability of 300 PSI in 12" and smaller outlet sizes.

Tapping Sleeves for pipe sizes 36" and larger shall be of the heavy duty type. Tapping Sleeves shall be JCM 411 or approved equal.

\*Higher test and working pressure ratings available upon request, contact JCM Industries.

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

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



JCM 411 Plain Outlet Tapping Sleeve

*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 411 Plain Outlet Tapping Sleeve – Shop Coat Primer, Alloy Hardware

**Body:** ASTM 283 Grade C, ASTM 285 Grade C, ASTM A-36 Steel or equal.

**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.

**Bolts:** Corrosion resistant, high strength low alloy oval neck track head bolts per A242/ANSI 21.11/AWWA C111 and heavy hex nuts per A563 or equal.

**Finish:** Heavy coat of corrosion resistant shop coat primer.

