

# JCM INDUSTRIES

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

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

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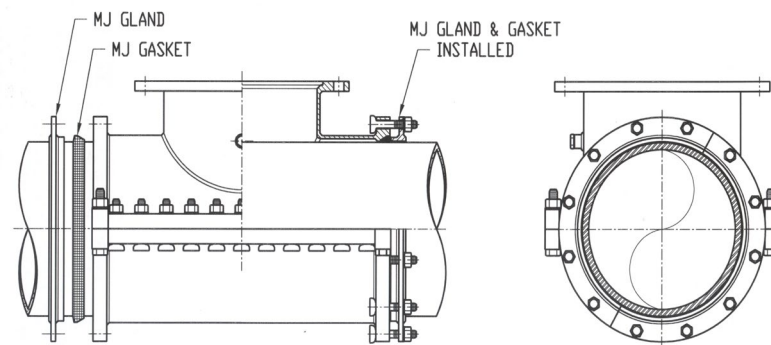
[www.jcmindustries.com](http://www.jcmindustries.com)

## Typical Specification

### JCM 414 Fabricated Mechanical Joint Tapping Sleeve

Tapping Sleeve shall be of split mechanical joint design with separate end and side gaskets. The fitting shall be constructed of high strength steel, ASTM A36 or A516 GR 70 Steel or equal. The mechanical joint end dimensions shall conform to ANSI/AWWA Standards C110/C111, ANSI 21.10/21.11. Split coupling designs are not acceptable. Tapping Sleeves shall be JCM 414 Mechanical Joint Tapping Sleeve or approved equal.

JCM 400 Series Tapping Sleeves are ANSI/NSF Standard 61 Annex G and ANSI/NSF Standard 372 Certified. JCM 400 Series Tapping Sleeves meet MSS-SP124 and ANSI/AWWA Standard C223 Fabricated Steel and Stainless Steel Tapping Sleeves as applicable.



For specific JCM Mechanical Joint design criteria details and industry standards, contact JCM Industries Technical and Engineered Sales Department.

*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.*



Certified to  
NSF/ANSI 61-G & 372

Effective 09.30.19

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## Material Specifications

### JCM 414 Fabricated Mechanical Joint Tapping Sleeve

- Body:** ASTM A36 or A516 GR 70 Steel or equal. Optional stainless steel.
- Flange:** AWWA C207 Class D, ANSI 150 lb. Drilling, recessed for tapping valve MSS-SP60.
- Glands:** ASTM A36 or Ductile Iron
- Bolts:** Corrosion resistant, high strength low alloy (AWWA C-111, ANSI 21.11). Optional stainless steel available.
- Gaskets:** Virgin Styrene-Butadiene Rubber (SBR) or equal - Compounded for use with water, salt solutions, mild acids and bases. Per ASTM D-2000 M4AA 607. Standard temperature range from -40° to 150°F (-40° to 65° C) constant, maximum intermittent 180° F (82° C). For applications on high temperatures or chemical pipelines, contact JCM Industries Technical Services.
- Finish:** Heavy coat of corrosion resistant shop coat primer (an excellent base for bitumastic coal tar or similar field coatings). Optional fusion epoxy per ANSI/AWWA Standard C213 coating available.



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