

JCM INDUSTRIES

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Typical Specification

JCM 464 Stainless Steel Tapping Sleeve with Carbon Steel Flange

Tapping Sleeve shall be of the high strength type with a body made of corrosion resistant, 304 stainless steel, which conforms to and reinforces the pipe. The sleeve shall have a wide gasket of Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000 with hydromechanical activated lip, captured in a groove around the outlet; 18-8 Type 304 stainless steel hardware and nuts. Stainless steel tapping sleeve shall be furnished with a 304 stainless steel test plug in the test outlet. Sleeve shall be fully passivated to return the stainless steel to its highest corrosion resistance.

Flanged outlet shall be carbon steel per ANSI/AWWA C207 Class D, ANSI 150 lb. Drilling, recessed for tapping valve per MSS-SP60, coated for corrosion resistance.

For outlet sizes 14" and larger, the gasket groove must be consistently positioned about throat of tapping waterway. The inside diameter of the gasket groove must be set back a minimum of 1" from the waterway to allow dispersal of forces generated by gasket compression. Gasket grooves machined in a circle and formed to an elliptical shape will not be an accepted equal.

Tapping Sleeves shall be JCM 464 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, Annex G & ANSI/NSF 372 Certified.

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



JCM 464 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 464 Stainless Steel Tapping Sleeve with Carbon Steel Flange

- Body:** Stainless Steel 18-8 Type 304.
- Bolts:** Stainless Steel 18-8 Type 304.
Sleeve sizes 14.20 and smaller = 5/8", sizes 14.75 and larger = 3/4"
- Flange:** Flanged outlet shall be carbon steel per ANSI/AWWA C207 Class D, ANSI 150 lb. Drilling, recessed for tapping valve per MSS-SP60, coated for corrosion resistance. Other flanges available upon request.
- Branch
Outlet:** Schedule 10 Stainless Steel Pipe Type 304
- 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.
- Service
Rating:** 2" - 12" Outlets: 175 PSI, per ANSI/AWWA C207 Steel Pipe Flanges for Waterworks Service. For higher service ratings, contact JCM Technical Services.

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