



# 664 Stainless Steel Tapping Sleeve

Carbon Steel Flange and Removable Bolts

4" - 24" Pipe Sizes with Outlets thru 12"

## Product Specifications

**Gasket:**  
NSF 61, 1/4" thick, gridded Nitrile (Buna-N), compounded to resist natural gas, water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids and many chemicals.  
*Temperature Range: -20°F to +180°F.*

The gasket provides 360° pipe coverage with the neck gasket molded in place in the one-piece top half.

The bridge plates are heavy gauge 302 Stainless Steel, recessed and molded into the gasket. This provides a continuous smooth surface to bridge the gap between body halves.

**Test Plug:**  
3/4" bronze with square head.

**Flange:**  
Carbon Steel A36. Type AWWA C207 Class D, (ANSI 150# hole pattern). Recessed for tapping valve per MSS-SP 60. Fusion bonded Flexi-Coat, epoxy coated.

**Body, lugs and neck:**  
18-8 Type 304 Stainless Steel.

**Bolts and Nuts:**  
5/8" 18-8 Type 304 Stainless Steel with NC threads, epoxy coated.  
*Nuts are fluoropolymer coated to prevent galling.*

**Washers:**  
Type 304 Stainless Steel and nylon, one of each per bolt.

## Features:

- Certified to NSF®/ANSI 61-G.
- Easy to install.
- Range helps reduce inventory.
- Removable bolts can easily be replaced.
- Meets applicable AWWA C223 Standards.
- Molded-in ring in the gasket to ensure effective sealing.
- Nylon washers provide to improve bolt torque capability.
- Heavy gauge, all-stainless steel body for rugged performance.
- Fully chemically passivated for maximum corrosion protection.
- 3/4" test outlet to allow hydrostatic pressure test before tapping the pipe.
- 360° seal provides maximum support and reinforcement around the pipe in case of pipe break.
- Body drawn out to accept the outlet neck adding to the overall strength of the area under the most stress.

Nominal Pipe Size	*Working Pressure	*Test Pressure
6"-12"	150 PSI	225 PSI
14"	140 PSI	210 PSI
16"	125 PSI	187 PSI
20"	100 PSI	150 PSI
24"	75 PSI	112 PSI

\*Depends on flange and pipe diameter. The allowable working pressure of a pipe repair clamp decreases as pipe diameter increases (regardless of manufacturer). For a particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, type of clamp, type and extent of damage, service conditions, environmental conditions, and installation workmanship.

# Product Specifications

## SPECIFICATION:

The tapping sleeve body and neck shall be made of heavy 18-8 Type 304 stainless steel.

The flange shall be fusion bonded epoxy coated carbon steel, AWWA C207 Class D (ANSI 150# drilling) and recessed for tapping valve per MSS-SP 60.

The studs shall be 5/8" 18-8 type 304 stainless steel with NC threads and fusion-bonded Flexi-Coat epoxy coated. The nuts shall be 304 stainless steel, fluoropolymer coated to prevent galling.

A 3/4" test outlet and plug shall be provided to allow hydrostatic testing of the seal prior to making the tap. The plug shall be 3/4" bronze with a square head. The gasket shall be 1/4" thick and gridded. The top half of the gasket

shall be one-piece with a molded outlet ring to ensure effective sealing. It shall be NSF 61 Nitrile (Buna N) compounded to resist: water, oil acids, alkalies, most (aliphatic) hydrocarbon fluids and many other chemicals. The gasket shall have a temperature range of -20°F to +180°F.

The gasket shall have bridge plates made of heavy 302 stainless steel. The bridge plates shall be recessed and bonded into the gasket.

All welded stainless steel surface areas shall be fully passivated for maximum corrosion protection. The tapping sleeve shall be NSF 61 listed and meet AWWA C223 standards.

The tapping sleeve shall be a Smith-Blair, Inc. style 664 or approved equal.

### Approved By

Name:

Title:

Date:

*THESE PRODUCT SPECIFICATIONS WERE CORRECT AT TIME OF PUBLICATION.*

*MATERIAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.*

*SEE CATALOG BROCHURE CC-620 FOR MORE DETAILS. VISIT SMITH-BLAIR'S WEBSITE AT [WWW.SMITH-BLAIR.COM](http://WWW.SMITH-BLAIR.COM) TO DOWNLOAD THE MOST CURRENT INFORMATION.*



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