



# 622 Carbon Steel Tapping Sleeve

## 4" and up Nominal Pipe Size

### Product Specifications

**Finish:**  
Fusion bonded Flexi-Coat epoxy per AWWA C213. Average of 12-mil thick.

**Flange:**  
Carbon steel per A36. Type AWWA C207 Class D, (ANSI 150# hole pattern). Recessed for tapping valve per MSS-SP 60.

**Gasket:**  
NSF 61, Nitrile (Buna-N), compounded to resist water, oil, acids, alkalis, most (aliphatic) hydrocarbon fluids and many chemicals.  
*Temperature Range: -20°F to +180°F.*

**Test Plug:**  
3/4" carbon steel with square head, fusion bonded epoxy coated.

**Side Bar Lugs:**  
Carbon steel per ASTM A36.

**Body and Neck:**  
Carbon steel per ASTM A283 C.

**Bolts and Nuts:**  
3/4" (5/8" in 4" and 6" nominal sizes), high-strength, low alloy steel per ASTM A307 (ANSI A21.11) standards.

**Washers:**  
Carbon steel per ASTM B633-78; electrogalvanized finish.

*Optional: Bolts and washers in Type 304 Stainless Steel. Nuts in Type 304 Stainless Steel with fluoropolymer coating to prevent galling.*

### Features:

- Certified to NSF®/ANSI 61-G.
- Easy to install.
- Has range to reduce inventory.
- Meets AWWA C223 Standards.
- Epoxy coating meets AWWA C213 Standards.
- Virtually 360° support of the pipe.
- Roll-resistant gasket will not bind.
- Non-standard sizes are available.
- Gasket seal increases with line pressure.
- No special tools required to install the sleeve.
- Flanged outlets are recessed to accept tapping valves.
- Flexi-Coat epoxy coating standard for superior corrosion resistance.
- Reduces inventory by using standard MJ valves to make a tap. No special tapping valve required.
- 3/4" test outlet to allow hydrostatic pressure test before tapping the pipe (not available in standard 4" x 4").

Tapping Sleeve Number	Size	*Working Pressure
622	4" and up Nominal	150 PSI+ depending on flange

\*Depends on flange and pipe diamter. 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 shall have a body made of carbon steel per ASTM A283 C. The neck shall be carbon steel per ASTM A53.

The flange shall be carbon steel A36 and recessed to accept a tapping valve per MSS-SP60. The flange drilling shall be per AWWA C207 class D (ANSI 150# hole pattern).

The gasket shall be NSF-61 approved, Nitrile (Buna N) compounded to resist: oil, alkalis, most (aliphatic) hydrocarbon fluids, water and many chemicals. The gasket temperature rating shall be -20°F to +180°F.

The nuts and bolts shall be ¾" (5/8" in 4" and 6" nominal) high strength low alloy steel

per ASTM A307 (ANSI 21.11) standards. The nuts shall be semi-finished hex head. The bolts shall be replaceable.

The tapping sleeve shall be coated with a fusion bonded Flexi-Coat epoxy per AWWA C213, coated to an average of 12-mil thickness.

A ¾" test outlet and plug shall be provided. The plug shall be ¾" carbon steel with square head and fusion bonded epoxy coating.

The tapping sleeve shall meet applicable AWWA C223 standards and be certified to NSF®/ANSI 61-G.

The tapping sleeve shall be a Smith-Blair, Inc. style 622 or approved equal.

Approved By
<b>Name:</b>
<b>Title:</b>
<b>Date:</b>

*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 TO DOWNLOAD THE MOST CURRENT INFORMATION.*



**Ph: 870-773-5127 • Fax: 870-773-5212 • [www.smith-blair.com](http://www.smith-blair.com)  
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792  
30 Globe Ave, Texarkana, AR 71854 • PO Box 5337, Texarkana, TX 75505**