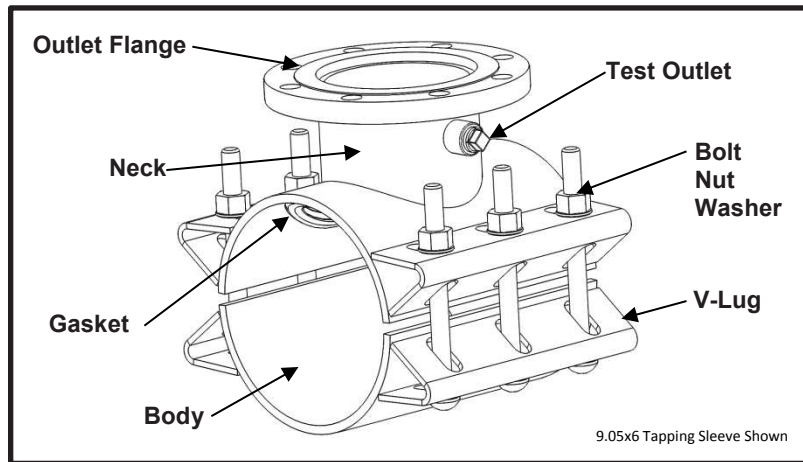


SPECIFICATION

TAPPING SLEEVE - FABRICATED STEEL

MODEL 632



APPLICATIONS

- **Typical Uses**
 - Tapping size-on-size branch connections on new or existing pipe
 - Tapping reducing branch connections on new or existing pipe
 - Installing valves and other miscellaneous service equipment
- **Standard Pipe Sizes**
 - 6" to 16" nominal
- **Outlet Sizes**
 - 4" to 12"
- **Type of Pipe (see notes)**
 - Carbon Steel, Stainless Steel, Cast Iron
- **Working Pressure**
 - 100 psi

MATERIALS

- **Body**
 - Carbon Steel per ASTM A283 Grade C
 - Material thickness: 6" - 16" nominal pipe size(s) = 3/8" (both plates)
 - Heavy welded sections provide virtually 360° of pipe support, reinforcement and sealing pressure without the need for shims or pads
 - Assembly has built in range allowing the sleeve to fit several classes of pipe
 - Machined recess to retain gasket
- **Neck**
 - Carbon Steel per ASTM A53 or A513
 - Furnished with 3/4" NPT test outlet
 - Requires a 1/2" undersize shell cutter
- **Outlet Flange**
 - Carbon Steel per ASTM A36
 - ANSI B16.5 Class 150 Raised Face
 - Compatible with ANSI 125# bolt pattern



SPECIFICATION

TAPPING SLEEVE - FABRICATED STEEL

MODEL 632

- **V-Lug**
 - Carbon Steel per ASTM A283 Grade C
 - Material thickness: 6" nominal pipe size = 3/16"
8" - 16" nominal pipe size(s) = 1/4"
 - Designed for drop in bolts that are easily replaceable
- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - Compounded to resist oil, natural gas, acids, alkalis, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F
 - Gasket is fully cemented in machined recess
 - Exclusive self-energizing concave wedge design for superior sealing and roll resistant
 - Generous cross section for optimal sealing on rough pipe
- **Bolts**
 - High Strength Low Alloy (HSLA) Steel
 - Sizes: 6" nominal pipe size = 5/8"-11UNC x 6" long, Oval Neck Track Head
8" - 16" nominal pipe size(s) = 3/4"-10UNC x 9" long, Oval Neck Track Head
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Nut**
 - High Strength Low Alloy (HSLA) Steel
 - Sizes: 6" nominal pipe size = 5/8"-11UNC Heavy Hex Semi-Finished
8" - 16" nominal pipe size(s) = 3/4"-10UNC Heavy Hex Semi-Finished
- **Washer**
 - Carbon Steel per ASTM F844
 - Fe/Zn coated per ASTM F1941-10
 - Sizes: 6" nominal pipe size = 5/8" Type A Plain
8" - 16" nominal pipe sizes = 3/4" Type A Plain
 - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface
- **Test Outlet**
 - Carbon Steel 3/4" FNPT half coupling per ASTM A865
 - Carbon Steel 3/4" MNPT square head test plug
- **Welding**
 - Welds accomplished using qualified welders
 - GMAW weld process utilized
- **Finish**
 - Flexi-Coat[®] fusion bonded epoxy



SPECIFICATION

TAPPING SLEEVE - FABRICATED STEEL

MODEL 632

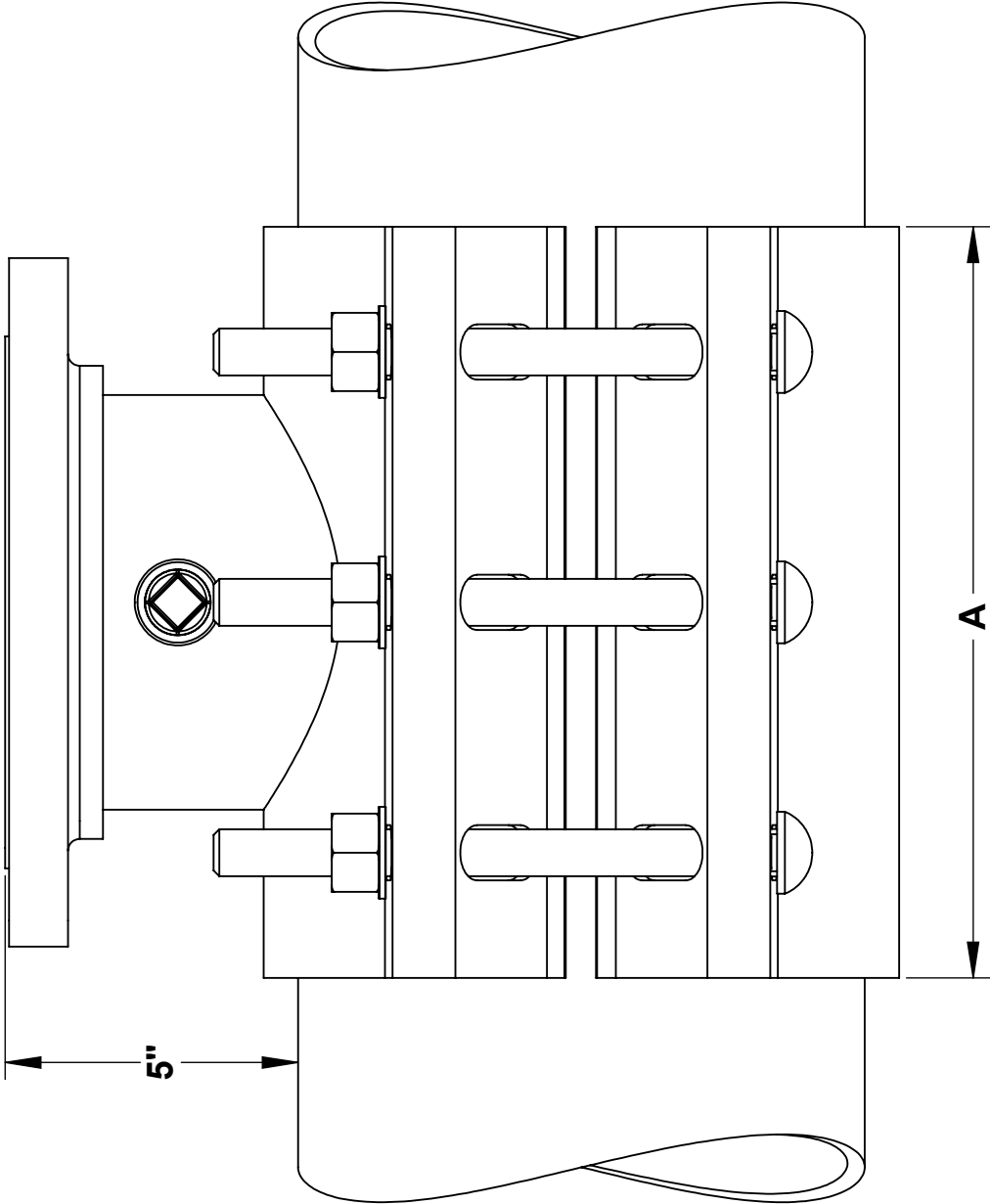
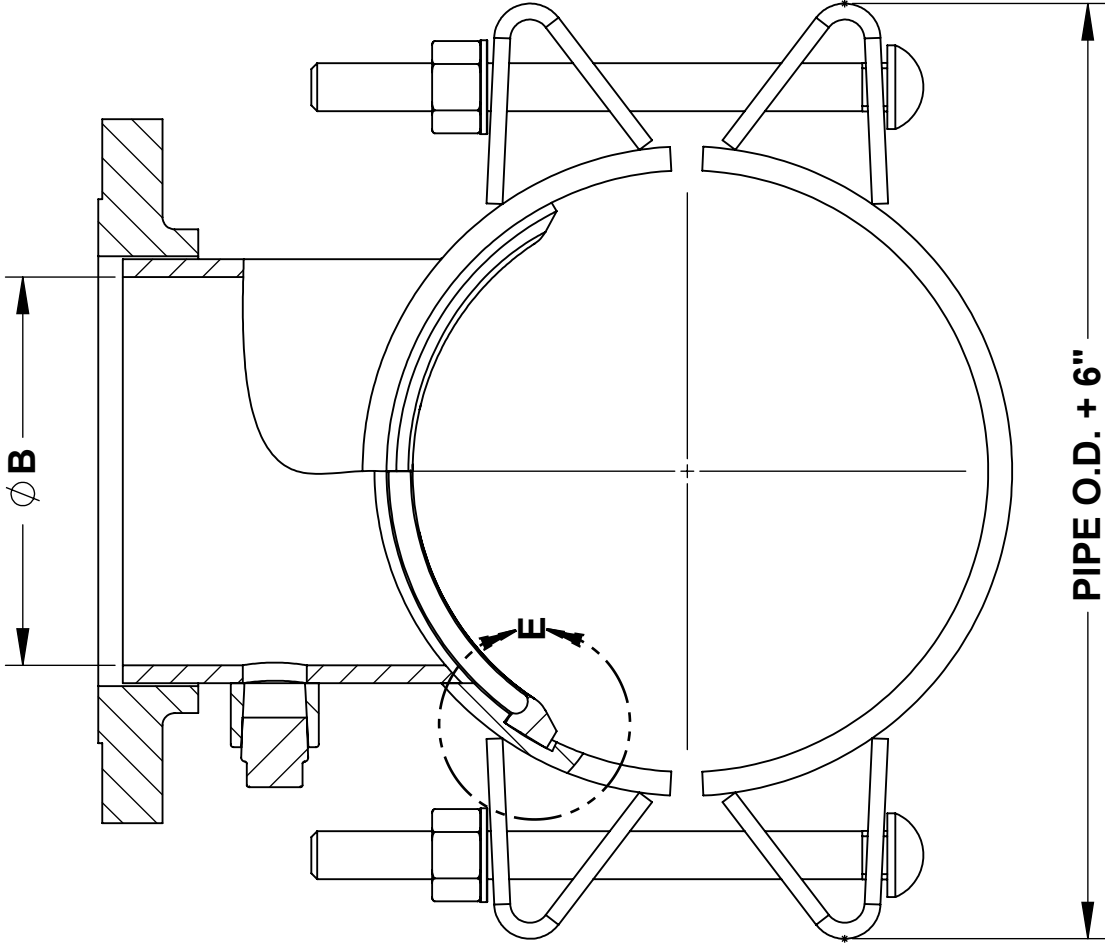
OPTIONS

- Type 304 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Type 304 Stainless Steel tapping sleeve construction
- Cross configuration
- Angled (Wye) pattern configuration
- Anode connector
- 150# Flat-Face, 300# Raised-Face, 300# Flat-Face Flanged Outlet
- Threaded outlet 3/4" to 6" NPT
- Line Stop outlet
- 1/8" rubber liner
- Polypropylene body liner insulating sheet

NOTES

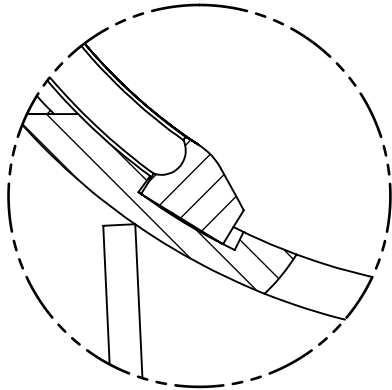
- These product specifications were correct at the time of publication and are subject to change without notice
- Flexi-Coat® is a registered trademark of Smith-Blair, Inc.
- See the Smith-Blair website for part numbers and ordering information
- See the Smith-Blair website for warranty information
- See the Smith-Blair website for corrosion notice

30 Globe Ave, Texarkana, AR 71854
Ph: 870-773-5127 • Fax: 870-773-5212
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792



NOTES:
1. SEE SMITH-BLAIR CATALOG FOR SIZES NOT SHOWN
2. 9.05" X 6" TAPPING SLEEVE SHOWN OTHER SIZES SIMILAR

OUTLET SIZE	NOMINAL PIPE SIZE	(O.A.L.) A	Neck I.D. B	HARDWARE	
				QTY.	SIZE SOCKET
4	6	12	4.03	8	1-1/16"
	8-16			6	1-1/4"
6	6	12	6.07	8	1-1/16"
	8-16			6	1-1/4"
8	8	16	8.13	8	1-1/4"
	10-16				
10	10	20	10.25	10	1-1/4"
	12-16				
12	12-16	20	12.25	10	1-1/4"



DETAIL E

TOLERANCES U.N.O. XX= +.03 XXX= +.015 FRACTIONS= ANGLES=+1° MACH. FIN=		NOTES: REMOVE BURRS AND SHARP EDGES DO NOT SCALE DWG.		APP'D		DATE	
ALL DIMENSIONS ARE IN INCHES.		SCALE: N/A		CK'D		DATE	
				DRN	SPW	DATE	6/29/16
TITLE SPECIFICATION TAPPING SLEEVE - FABRICATED STEEL MODEL 632							
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS				P/N		N/A	
						SPEC_632.DRW	
				4		4	
				DWG. NO.		REV.	
						9/30/16	