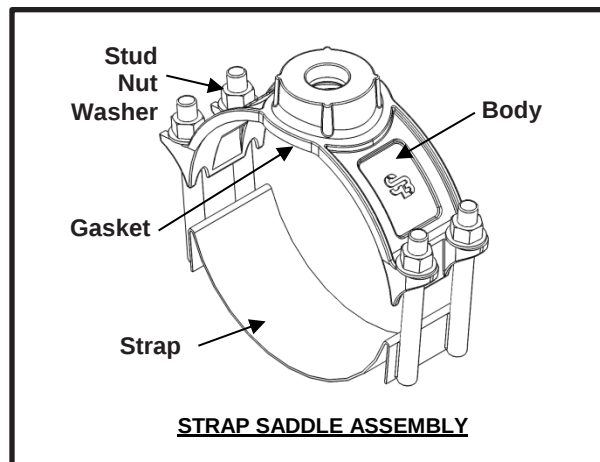




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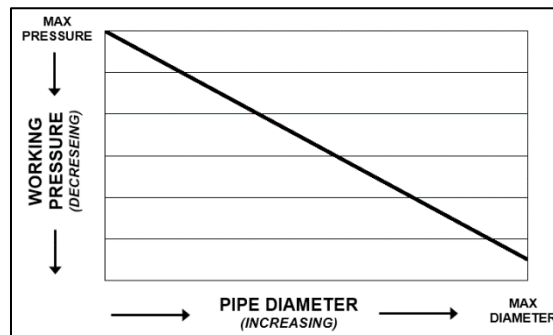
SPECIFICATION BRONZE SERVICE SADDLE MODEL 325



APPLICATIONS

- **Typical Uses**
 - Tapping branch connections on new or existing pipe
 - Installing air/vacuum valves, pitot tubes, drain valves, or other miscellaneous service equipment
 - Installing pipe supports, hangers, or sign mounting brackets
- **Standard Pipe Size(s)**
 - 4" to 12" nominal
- **Standard Taps**
 - NPT: 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2"
 - CC/AWWA: 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2" and 2"
 - BSP: 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2"

See Smith-Blair catalog for available pipe diameter and tap size combinations as some combinations are not available
- **Type of Pipe**
 - PVC, Ductile Iron, Cast Iron, Carbon Steel, Stainless Steel
- **Working Pressure**
 - Up to 150 psi depending on **pipe size**, type of pipe, type of repair, service conditions, and installation workmanship



MATERIALS

- **Body**
 - Cast using Red Brass (Bronze) 85-5-5-5 per ASTM B584 or B62
 - Bronze body for improved corrosion resistance
 - Open ears on one side, canted ears on the other
 - Wraparound design
 - Wide skirt and heavy tapping boss



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SPECIFICATION

BRONZE SERVICE SADDLE

MODEL 325

- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - Compounded to resist water, oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F
- **Strap Assembly**
 - Type 304 Stainless Steel per ASTM A240
 - Formed using 14GA x 3.50" strip
 - Relevant product information placed on strap i.e. O.D. range, part number, etc.
- **Stud**
 - Type 304 Stainless Steel per ASTM A276
 - 5/8"-11UNC x 6.00" long, Stud welded to Strap
 - Rolled threads
- **Welding**
 - Welds accomplished using qualified welders
 - GMAW weld process utilized
- **Nut**
 - Type 304 Stainless Steel GR. 8 per ASTM A194
 - Fluoropolymer coated
 - 5/8"-11UNC, Heavy Hex Semi-Finished
- **Washer**
 - Type 304 Stainless Steel per ASTM A240
 - 5/8" Type A Plain

LISTINGS/STANDARDS

- Certified to NSF/ANSI 61
- Meets applicable portions of AWWA C800
- Certain sizes meet Uni-Bell PVC Pipe Associations "Handbook of PVC Pipe" and AWWA M23 Manual "PVC Pipe Design and Installation", when the fitting is ordered with the body properly sized to fit the PVC pipe.

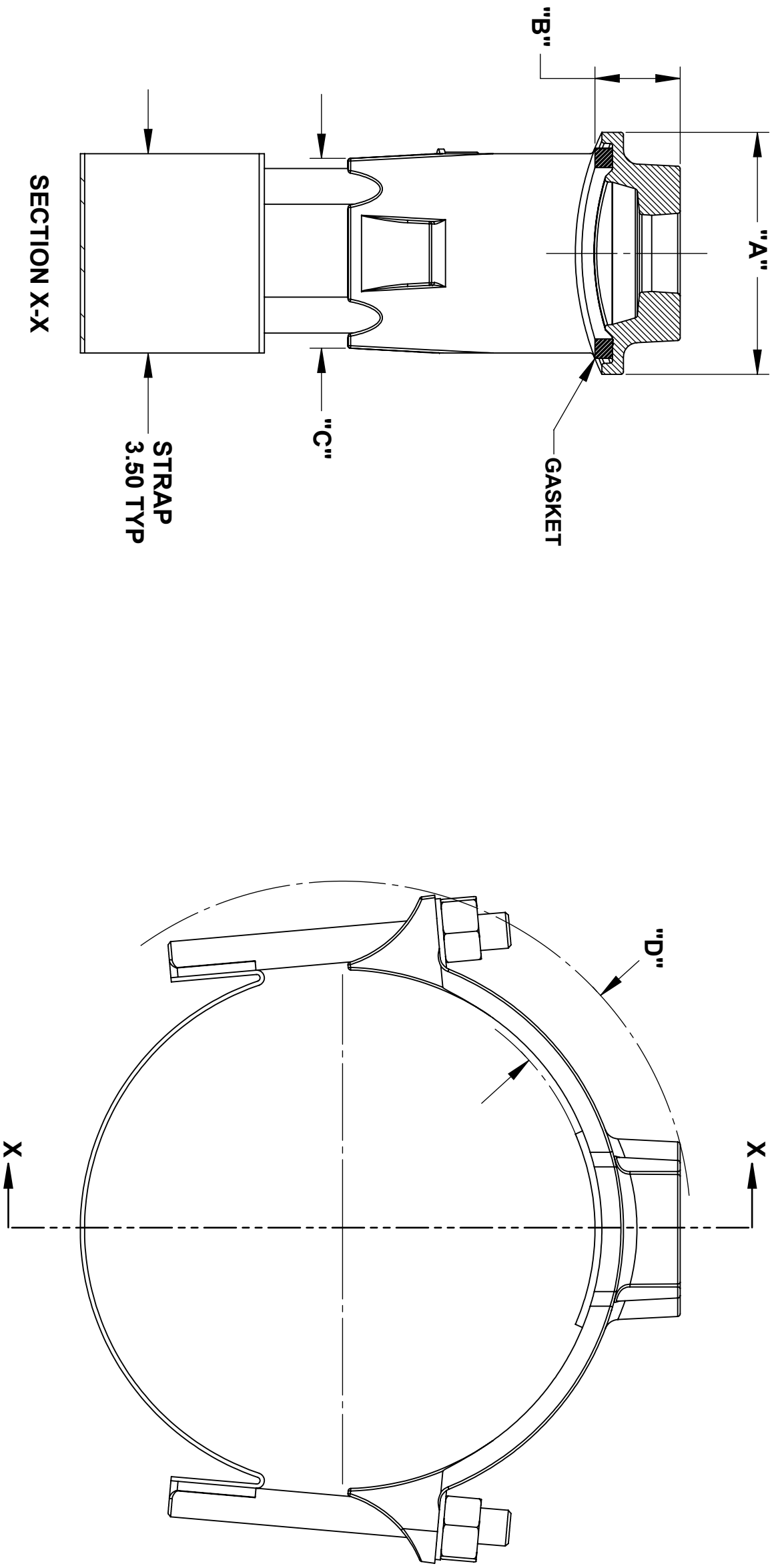
OPTIONS

- Type 316 Stainless Steel strap with fluoropolymer coated Type 316 Stainless Steel nuts
- Alternative gasket material (e.g. Viton, EPDM, etc.)
- Anode connector

NOTES

- These product specifications were correct at the time of publication and are subject to change without notice
- Xylem, Smith-Blair, and SB stylized are registered trademarks of Xylem, Inc., or one of its subsidiaries
- 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



NOMINAL SIZE	APPROX. WT. (LB)	TAP CODE	A	B	C	D	SOCKET SIZE
4	6	ST	3.50	1.50	3.50	1.70	
	8	LT	4.25			1.80	
6	7	ST	3.50	1.50	3.50	1.70	
	8	LT	4.25			1.78	
	8	ST	3.50			1.70	
8	9	LT	4.25	1.50	3.50	1.70	1-1/16"
	9	ST	3.50			1.80	
10	11	LT	4.25	1.50	3.50	1.80	
	11	ST	3.50			1.90	
12	12	LT	4.25	1.50	3.50	1.90	
	12	ST	3.50			1.90	

- NOTES:**
- SEE SMITH-BLAIR CATALOG FOR AVAILABLE PIPE DIAMETER AND TAP SIZE COMBINATIONS AS SOME COMBINATIONS ARE NOT AVAILABLE
 - 9.05" WIDE STRAP SADDLE SHOWN OTHER SIZES SIMILAR
 - ABBREVIATIONS:
ST = SMALL TAP SIZES 1/2" THRU 1-1/2"
LT = LARGE TAP SIZES 1-1/2" THRU 2-1/2"

TOLERANCES U.N.O. XX= ±.03 XXX= ±.015 FRACTIONS= ANGLES=+1° MACH. FIN= ALL DIMENSIONS ARE IN INCHES.	NOTES: REMOVE BURRS AND SHARP EDGES DO NOT SCALE DWG.	APP'D		DATE
	SCALE: N/A	CK'D		DATE
		DRN	CHD	DATE
TITLE				6/19/15
SPECIFICATION				
BRONZE SERVICE SADDLE				
MODEL 325				
SMITH-BLAIR, Inc.		P/N		
TEXARKANA, ARKANSAS		N/A		
SPEC_325.DRW		3 OF 3		
DWG. NO.		SHEET		5/21/21
				REV.