

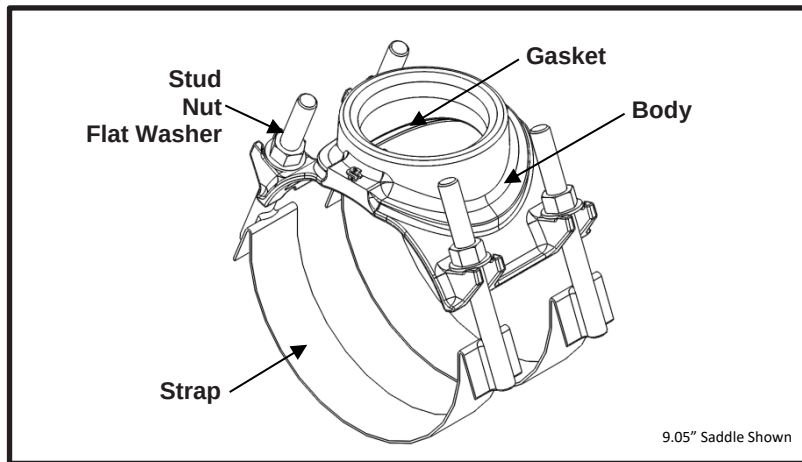


Smith-Blair
a xylem brand

SPECIFICATION

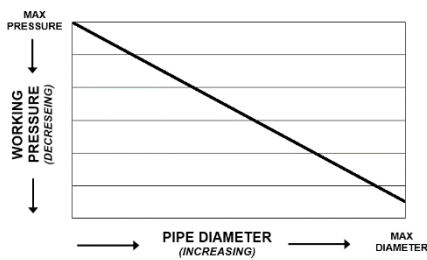
SERVICE SADDLE DOUBLE STRAP LARGE TAP

MODEL 357



APPLICATIONS

- **Typical Uses**
 - Tapping large 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 Sizes**
 - 6" to 12" nominal
- **Standard Taps**
 - NPT: 3" and 4"
- **Type of Pipe**
 - PVC, Carbon Steel, Stainless Steel
- **Working Pressure**
 - Up to 150 psi depending on type of pipe, type of repair, pipe diameter, service conditions, and installation workmanship





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MATERIALS

- **Body**
 - Cast using Ductile Iron 65-45-12 per ASTM A536
 - Flexi-Coat® fusion bonded epoxy finish which meets application methods AWWA C213
 - Open ears provide easy slip on installation and removal of nuts are not required preventing lost hardware
 - Canted ears for maximum tangential tightening of bale or strap
 - Wraparound design provides maximum pipe support, reinforcement, and sealing pressure
 - Wide skirt and heavy tapping boss provides excellent stability on the pipe
- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - Certified to NSF/ANSI 61-G & 372
 - Compounded to resist water, oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F
 - Pressure energized concave wedge gasket provides an effective seal with no rolling or binding on installation
 - Gasket is fully cemented in a cavity to hold it in place
- **Strap**
 - Type 304 Stainless Steel per ASTM A240
 - Formed using 14GA x 2.00" strip
 - Strap distributes load across a larger surface area preventing damage to non-rigid pipe types
 - Relevant product information placed on strap i.e. O.D. range, part number, etc.
- **Welding**
 - Welds accomplished using qualified welders
 - GMAW weld process utilized
 - Welds passivated to preserve corrosion resistance
- **Stud**
 - Type 304 Stainless Steel per ASTM A276
 - 5/8"-11UNC x 7.00" long, Stud welded to Strap
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Nut**
 - Type 304 Stainless Steel GR. 8 per ASTM A194
 - Fluoropolymer coated to prevent galling
 - 5/8"-11UNC, Heavy Hex Semi-Finished
- **Washer**
 - Type 304 Stainless Steel per ASTM A240
 - 5/8" Type A Plain
 - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface



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LISTINGS

- Certified to NSF/ANSI 61-G & 372
- Meets applicable AWWA C800 standards
- 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.

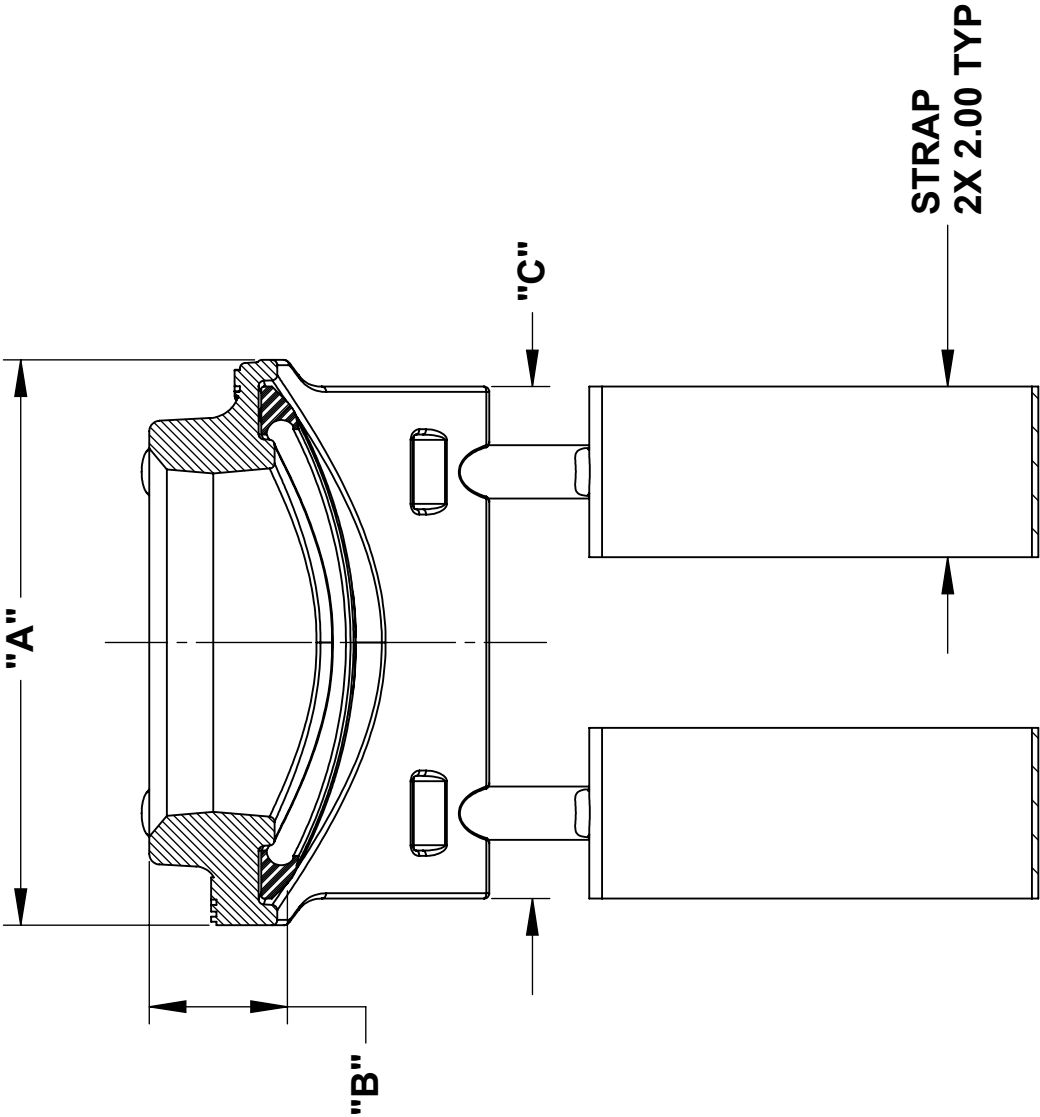
OPTIONS

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

NOTES

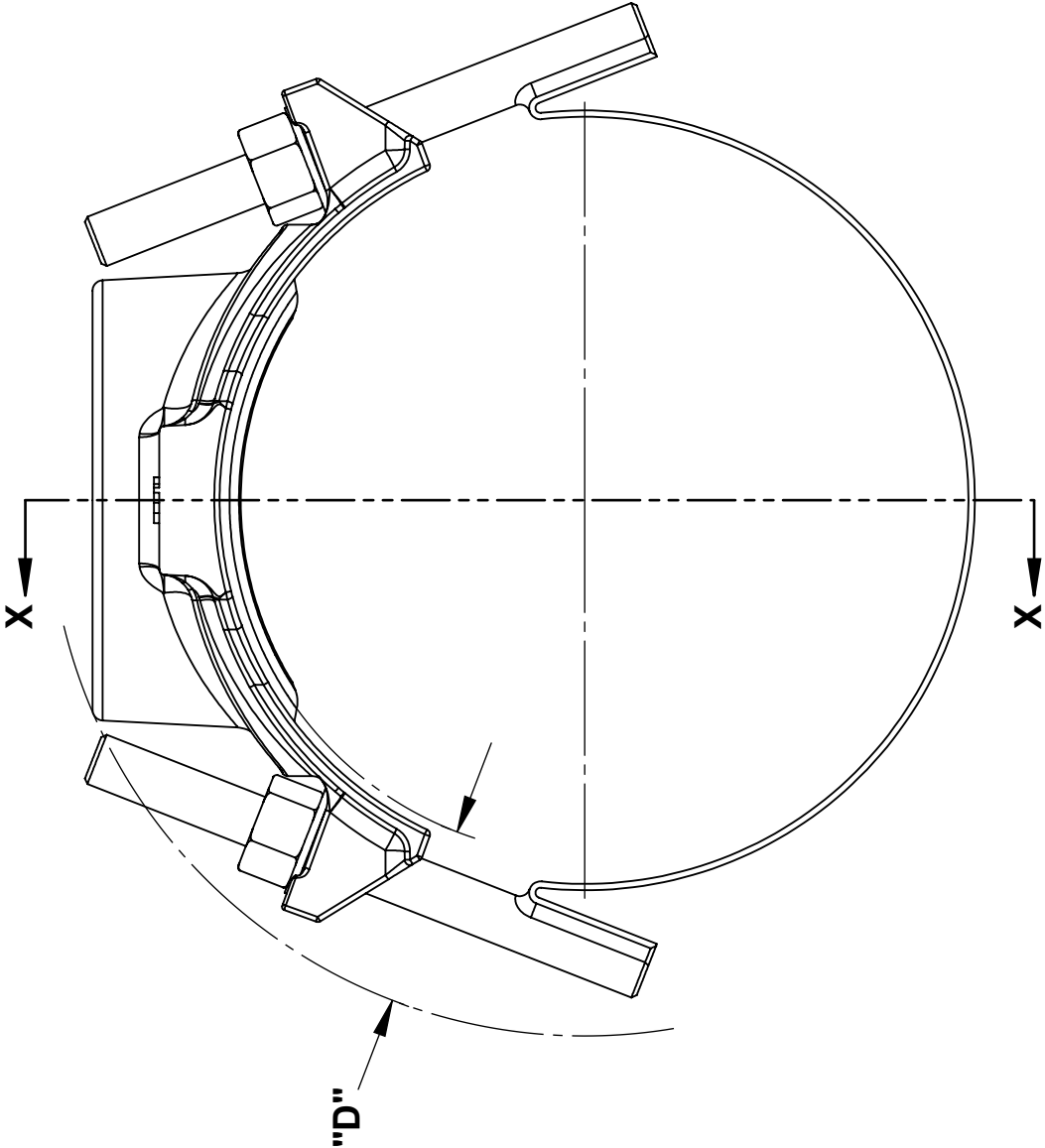
- This product **is not** for use on Ductile Iron pipe
- Flexi-Coat® is a registered trademark of Smith-Blair, Inc.
- These product specifications were correct at the time of publication and are subject to change without notice
- See the Smith-Blair web site for part numbers and ordering information
- See the Smith-Blair web site for warranty information
- See the Smith-Blair web site for corrosion notice

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- NOTES:
- SEE SMITH-BLAIR CATALOG FOR AVAILABLE PIPE DIAMETER AND TAP SIZE COMBINATIONS AS SOME COMBINATIONS ARE NOT AVAILABLE
 - 9.05" SADDLE SHOWN OTHER SIZES SIMILAR
 - ABREVIATIONS:
XLT = EXTRA-LARGE TAP SIZES 3" AND 4"

NOMINAL SIZE	APPROX. WT. (LB)	TAP CODE	A	B	C	D	SOCKET SIZE
6	12	XLT	6.05	1.93	4.20	1.83	1-1/16"
8	13	XLT	6.05	1.85	4.10	1.90	
10	14	XLT	7.20	2.00	4.20	1.85	
12	14	XLT	7.20	2.00	4.20	1.85	



CERTIFIED TO NSF/ANSI 61-G & 372

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	
	SCALE: N/A		CK'D	DATE	
	ALL DIMENSIONS ARE IN INCHES.		DRN	DATE	6/18/15
	TITLE SPECIFICATION SERVICE SADDLE DOUBLE STRAP MODEL 357				
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS			P/N		
			N/A		
			SPEC_357.DRW		
			1 OF 1 SHEET		6/30/16 REV.
			DWG. NO.		