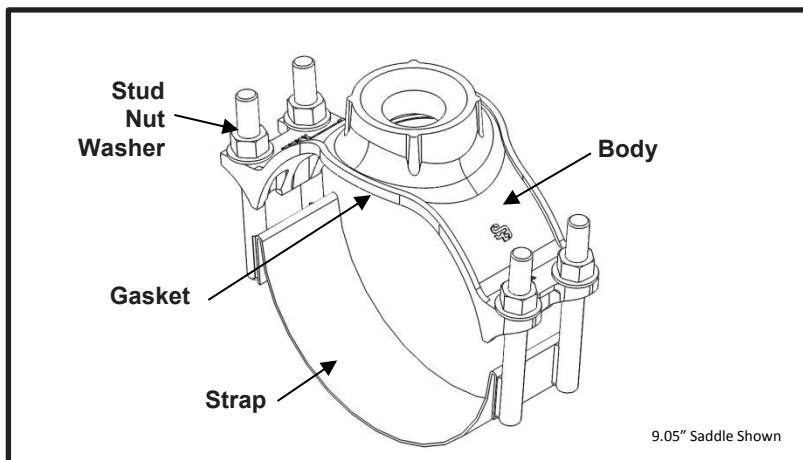


SPECIFICATION

SERVICE SADDLE WIDE STRAP

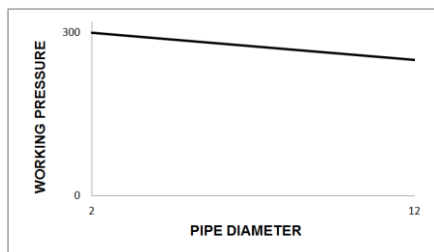
MODEL 397



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 Sizes**
 - 2", 4", 6", 8", 12" nominal
- **Standard Taps**
 - NPT: 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
 - CC/AWWA: 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 2"
 - BSP: 1/2", 3/4", 1", 1-1/4", 1-1/2", 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
- **Working Pressure**
 - Up to 300 psi depending on type of pipe, type of repair, pipe diameter, service conditions and installation workmanship



SPECIFICATION

SERVICE SADDLE WIDE STRAP

MODEL 397

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
 - TaperSeal™ hydro-mechanical lip enables the saddle to hold higher pressures with minimal nut torque
 - Gasket is fully cemented in a cavity to hold it in place
- **Strap**
 - Type 304 Stainless Steel per ASTM A240
 - Size:
 - 2" nominal pipe size = Formed using 14GA x 3.00" strip
 - 4" - 12" nominal pipe size = Formed using 14GA x 3.50" 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.
- **Stud**
 - Type 304 Stainless Steel per ASTM A276
 - Size:
 - 2" nominal pipe size = 1/2"-13UNC x 3.50" long, Stud welded to Strap
 - 4" - 12" nominal pipe size = 5/8"-11UNC x 6.00" long, Stud welded to Strap
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Welding**
 - Welds accomplished using qualified welders
 - GMAW weld process utilized
 - Welds passivated to preserve corrosion resistance
- **Nut**
 - Type 304 Stainless Steel GR. 8 per ASTM A194
 - Fluoropolymer coated to prevent galling
 - Size:
 - 2" nominal pipe size = 1/2"-13UNC, Heavy Hex Semi-Finished
 - 4" - 12" nominal pipe size = 5/8"-11UNC, Heavy Hex Semi-Finished
- **Washer**
 - Type 304 Stainless Steel per ASTM A240
 - Size:
 - 2" nominal pipe size = 1/2" Type A Plain
 - 4" - 12" nominal pipe size = 5/8" Type A Plain
 - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface



SPECIFICATION

SERVICE SADDLE WIDE STRAP

MODEL 397

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.

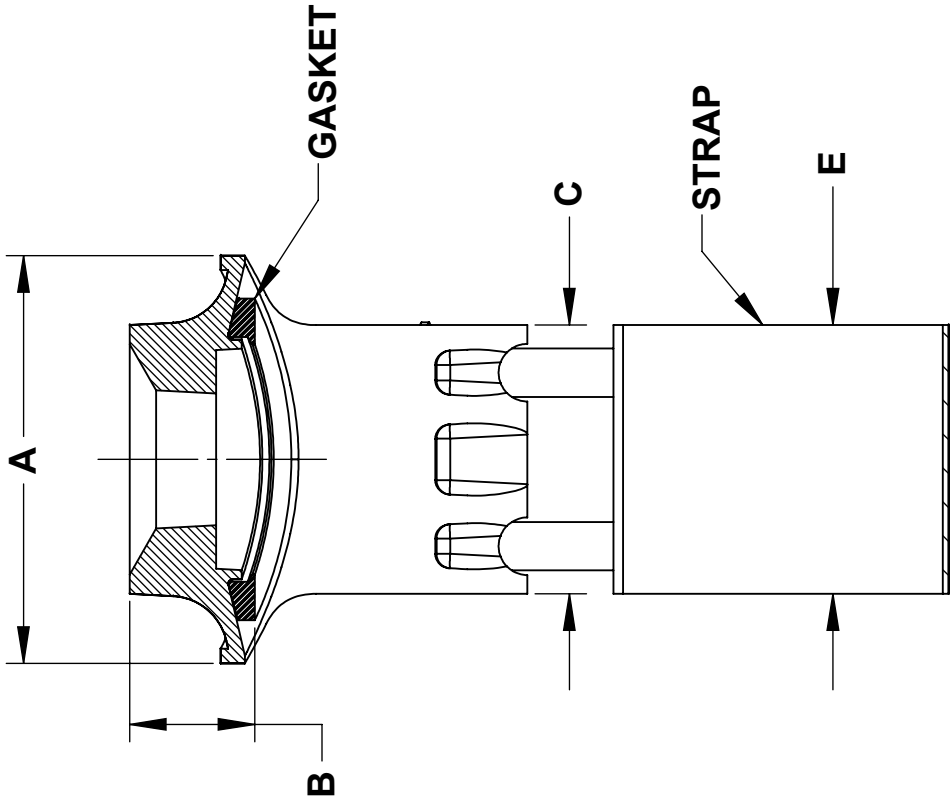
OPTIONS

- Type 316 Stainless Steel strap with fluoropolymer coated 316 Stainless Steel nuts to prevent galling
- 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
- Flexi-Coat® and Taperseal™ are registered trademarks of Smith-Blair, Inc.
- 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 warnings

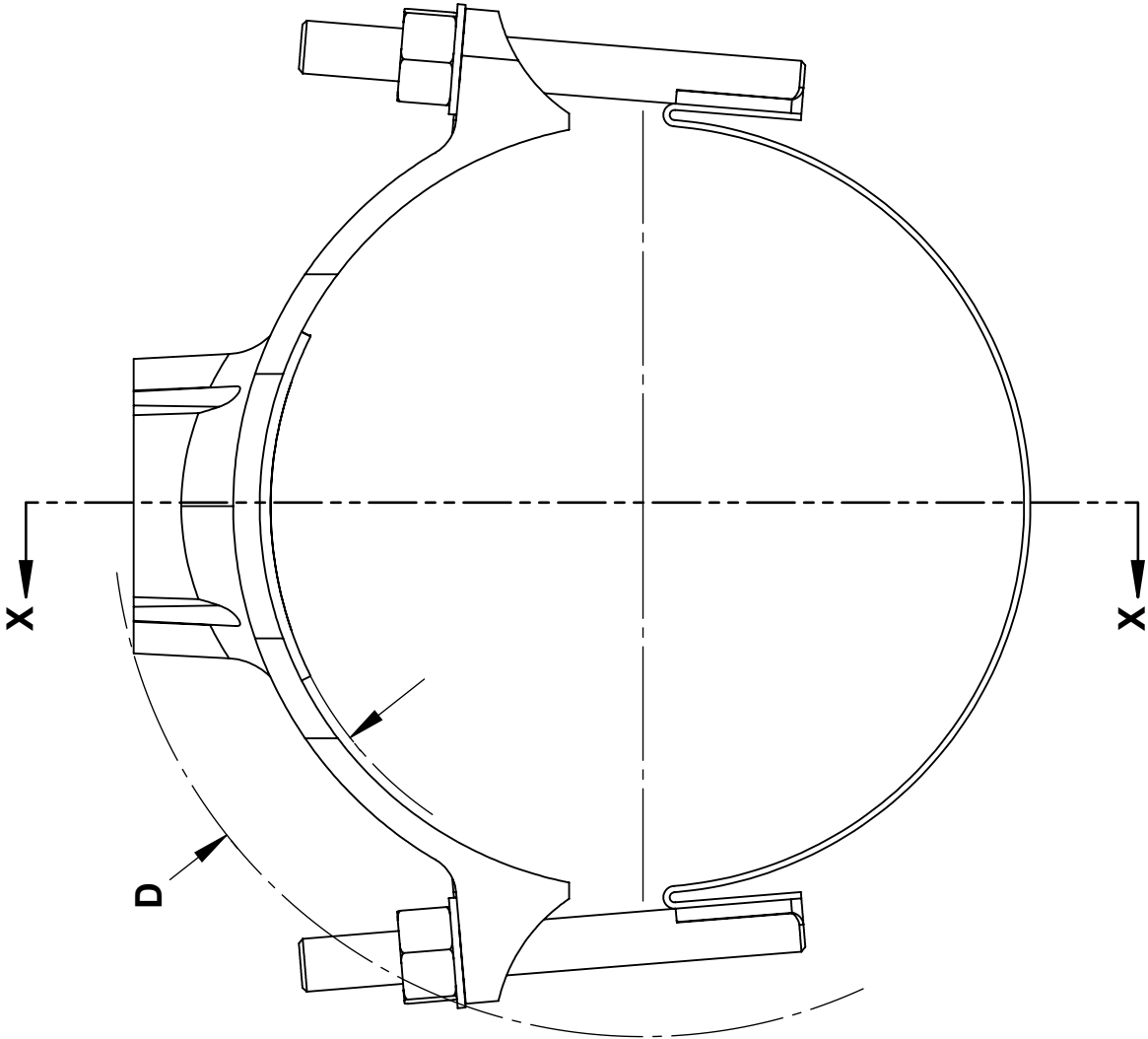
30 Globe Ave, Texarkana, AR 71854
Ph: 870-773-5127 • Fax: 870-773-5212
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792



SECTION X-X

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

NOMINAL SIZE	APPROX. WT. (LB)	TAP CODE	A	B	C	D	E	SOCKET SIZE
2.00	4	ST	3.40	1.35	2.88	1.53	3.00	7/8"
4.00	5	ST	3.70	1.40	3.50	1.60	3.50	1-1/16"
	6	LT	5.50	1.75	3.65	1.75		
6.00	5	ST	3.75	1.40	3.60	1.75		
	7	LT	5.50	1.75	3.65	1.78		
	6	ST	3.75	1.40	3.60	1.87		
8.00	8	LT	5.50	1.75	3.65	1.90		
	8	ST	3.75	1.45	3.60	2.00		
12.00	10	LT	5.50	1.75	3.60	1.95		



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
		CK'D	DATE
	SCALE: N/A	DRN	CHD
ALL DIMENSIONS ARE IN INCHES.		DRN	DATE
TITLE SPECIFICATION SERVICE SADDLE WIDE STRAP MODEL 397			
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS		P/N N/A	
SPEC_397.DRW		1 OF 1 SHEET	
DWG. NO.		REV.	