

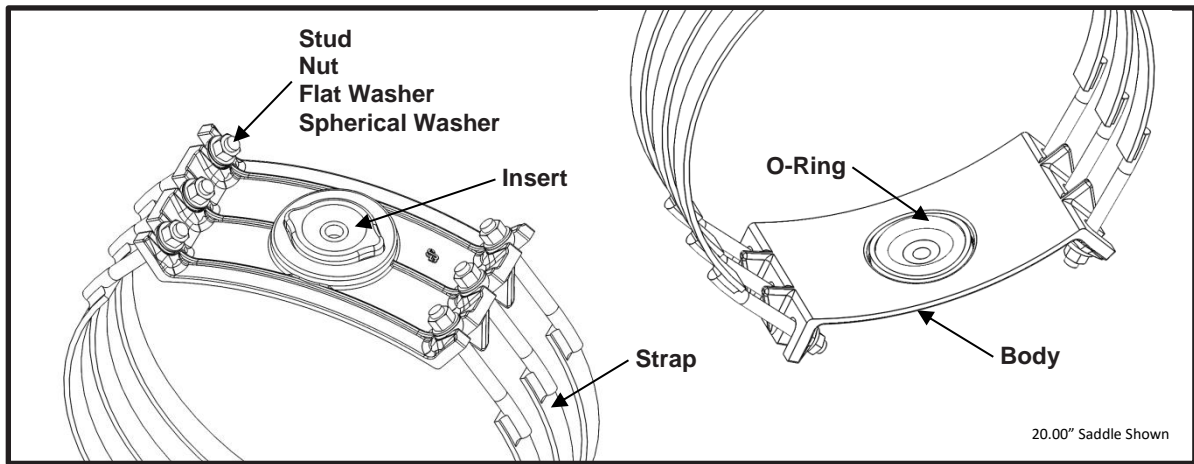


Smith-Blair  
a xylem brand

# SPECIFICATION

## SERVICE SADDLE TRIPLE STRAP

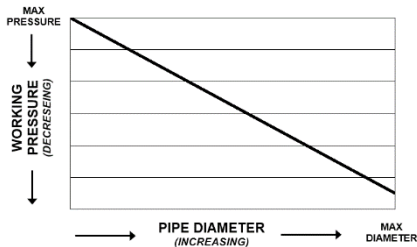
### MODEL 366



#### 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)**
  - 19.25" to 43.15" pipe O.D. range
- **Standard Taps**
  - NPT: 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"
  - CC/AWWA: 3/4", 1", 1-1/4", 1-1/2", 2"
  - BSP: 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"

*See Smith-Blair catalog for available pipe diameter and tap size combinations as some combinations are not available*
- **Type of Pipe**
  - Carbon Steel, Stainless Steel, Cast Iron, Ductile Iron, PVC, Asbestos Cement
- **Working Pressure**
  - Up to 150 psi depending on type of **pipe size**, 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
  - Open ears provide easy slip on installation and removal of nuts are not required preventing lost hardware
  - Canted ears for maximum tangential tightening of strap
  - Wide skirt and heavy tapping boss provides excellent stability on the pipe
- **Insert**
  - Cast using Ductile Iron 65-45-12 per ASTM A536
  - Flexi-Coat® fusion bonded epoxy finish
  - Tap threads are full and free from shear conforming to AWWA standards
- **O-Ring**
  - 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
  - O-ring is fully cemented in a cavity to hold it in place
- **Strap**
  - Carbon Steel per ASTM A36
  - Formed using 0.25" x 1.25" flat bar
  - Provides continuous circumferential support of the pipe for better performance in the tapped area (nearly 360°)
  - Flexi-Coat® fusion bonded epoxy finish
- **Stud**
  - HLSA per AWWA C111/A21.11
  - 5/8"-11UNC x 7.00" 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
- **Nut**
  - HSLA per AWWA C111/A21.11
  - 5/8"-11UNC, Heavy Hex Semi-Finished
- **Flat Washer**
  - Carbon Steel per ASTM F844
  - 5/8" Type A Plain
  - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface
- **Spherical Washer**
  - Cast using Ductile Iron 65-45-12 per ASTM A536
  - Flexi-Coat® fusion bonded epoxy finish
  - Provide full bearing for the strap nuts and align the straps with the saddle body
  - Distributes load for better performance



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#### LISTINGS/STANDARDS

- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Flexi-Coat® Fusion-Bonded Epoxy Coating meets requirements of AWWA C213
- Meets applicable portions of AWWA C800

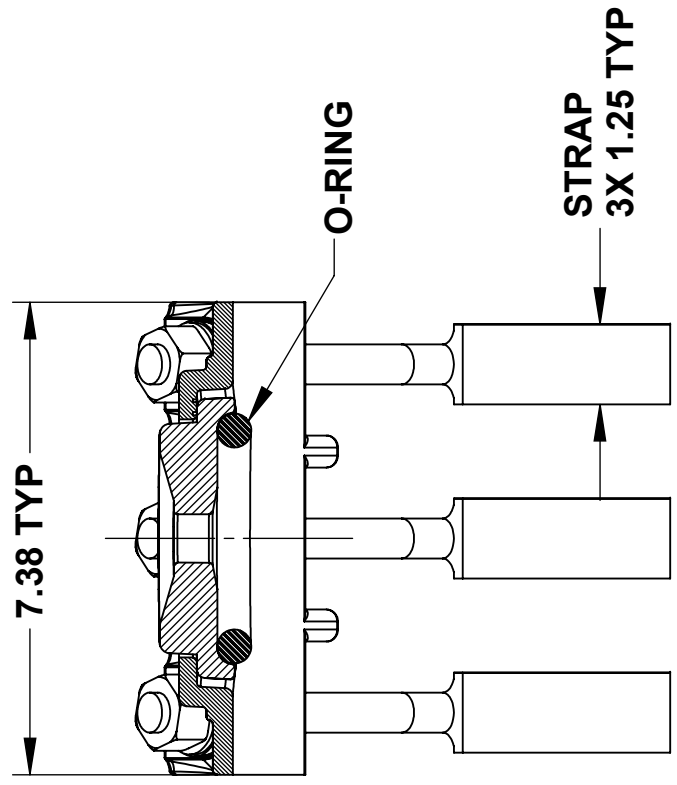
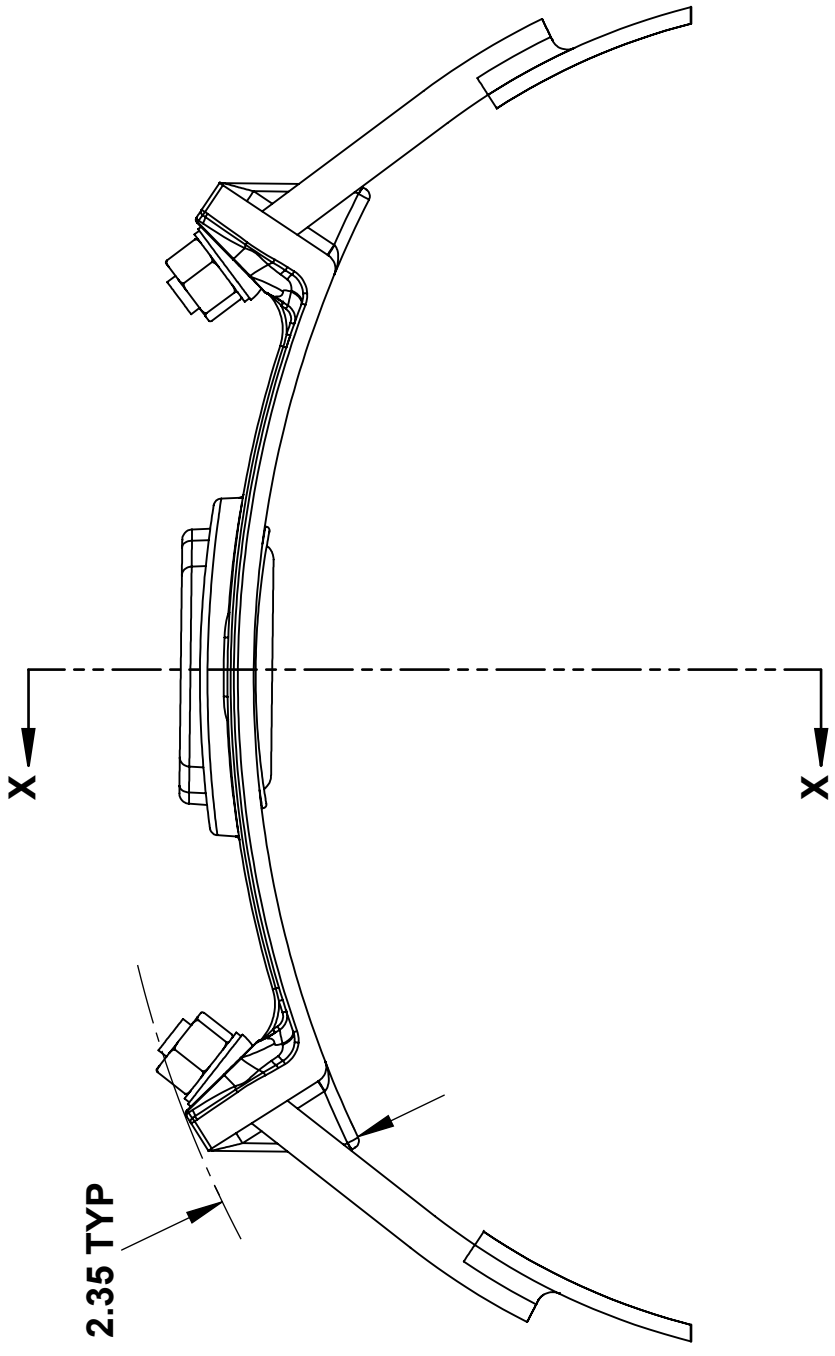
#### OPTIONS

- Type 304 Stainless Steel strap, stud, flat washer, and fluoropolymer coated nuts to prevent galling
- Type 316 Stainless Steel strap, stud, flat washer, and fluoropolymer coated 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
- Xylem, Smith-Blair, SB stylized, and Flexi-Coat 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

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SECTION X-X

- NOTES:**
1. SEE SMITH-BLAIR CATALOG FOR AVAILABLE PIPE DIAMETER AND TAP SIZE COMBINATIONS AS SOME COMBINATIONS ARE NOT AVAILABLE
  2. 20.00" SADDLE SHOWN OTHER SIZES SIMILAR
  3. STANDARD TAP SIZES 3/4" THRU 2-1/2"

O.D. SIZE RANGE	APPROX. WT. (LB)	SOCKET SIZE
19.25 - 21.25	38	1-1/16"
21.35 - 23.25	39	
23.75 - 25.25	42	
25.55 - 27.50	44	
27.51 - 29.50	45	
29.53 - 30.50	47	
31.49 - 33.96	49	
34.90 - 36.42	52	
36.49 - 39.20	54	
39.35 - 42.70	56	
42.40 - 43.15	57	

TOLERANCES U.N.O. XX= ±.03 XXX= ±.015 FRACTIONS= ±.015 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	CHD
			DATE
			6/25/15
<b>TITLE</b>			
<b>SPECIFICATION</b>			
<b>SERVICE SADDLE TRIPLE STRAP</b>			
<b>MODEL 366</b>			
<b>SMITH-BLAIR</b>		P/N N/A	
TEXARKANA, ARKANSAS		SPEC_366.DRW	
		1 OF 1 SHEET	
		9/10/21 REV.	