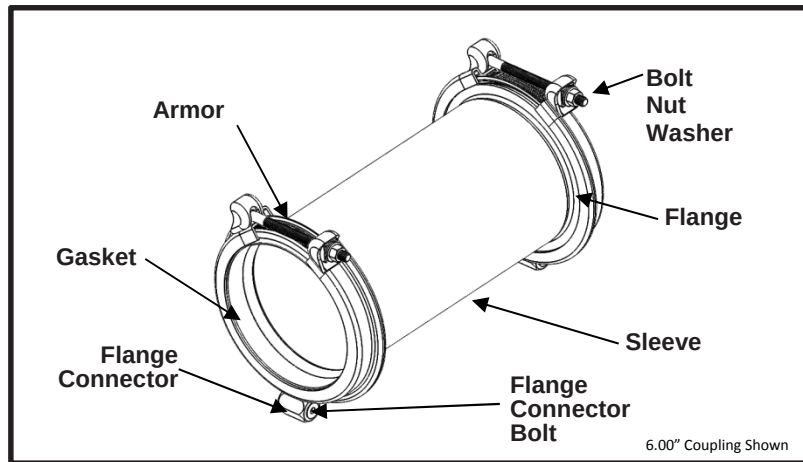


SPECIFICATION

TOP BOLT® WIDE RANGE TWO BOLT COUPLING MODEL 422



APPLICATIONS

- **Typical Uses**
 - Joining a wide range of plain-end pipe of same outside diameters
 - Joining a wide range of plain-end pipe of different outside diameters with same nominal size
 - Replace split or excessively damaged pipe
- **Standard Pipe Sizes**
 - 2" to 12" nominal
- **Type of Pipe**
 - Carbon Steel, Stainless Steel, Ductile Iron, Asbestos Cement, PVC, HDPE, Copper Tube
(see notes for thin wall PVC & HDPE applications)
- **Working Pressure**
 - 260 psi

MATERIALS

- **Flange**
 - Carbon Steel per ASTM A283C, A285A or A36
 - Flexi-Coat® fusion bonded epoxy finish which meets application methods AWWA C213
 - Integral bolt head pocket for one wrench installation
 - Split flange design
- **Sleeve**
 - Carbon Steel per ASTM A283C, A285A or A36
 - Flexi-Coat® fusion bonded epoxy finish which meets application methods AWWA C213
 - Twice the length of Standard 421 Series Top Bolt® Coupling
- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - NSF/ANSI 61 and 372 certified
 - Compounded to resist water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F
 - Bi-Directional removable inner gasket to accommodate wide range of pipe
 - Inner gasket can be reinstalled after removal
 - Allow for up to 8° (4° per end) of pipe deflection



SPECIFICATION

TOP BOLT® WIDE RANGE TWO BOLT COUPLING

MODEL 422

- **Armor**
 - Hardened Type 304 Stainless Steel
 - Corrugated design helps reduce friction for better sliding action when tightening
- **Bolt**
 - Type 304 Stainless Steel
 - Epoxy Coated to help prevent galling
 - 9/16" - 12 UNC, Swivel Head Bolt with swivel washer on opposite side
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
 - Only 2 bolts for ease of fitting installation and removal
- **Flange Connector Bolt**
 - Type 304 Stainless Steel
 - 1/2" - 13 UNC, Countersunk Allen Head
- **Steel Washer**
 - Type 304 Stainless Steel
 - 9/16"
- **Nylon Washer**
 - Nylon 6/6
 - 9/16"
 - Located under Steel Washer for better transfer of bolt torque
- **Nut**
 - Type 304 Stainless Steel
 - 9/16" - 12 UNC
 - Fluoropolymer finish to prevent galling

LISTINGS

- UL certified to NSF/ANSI 61 and 372
- Meets applicable AWWA C219 standards

OPTIONS

- Anode connector for cathodic protection

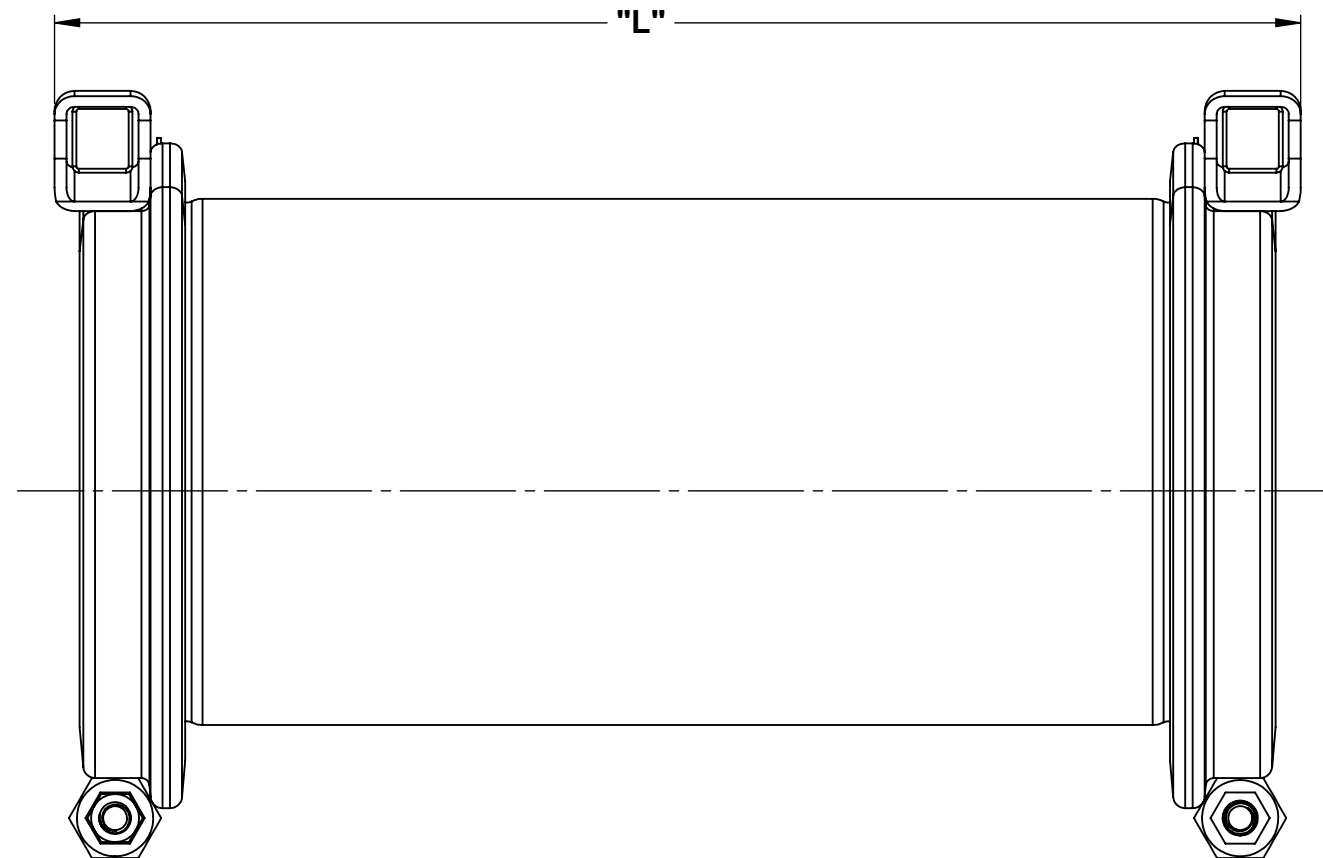
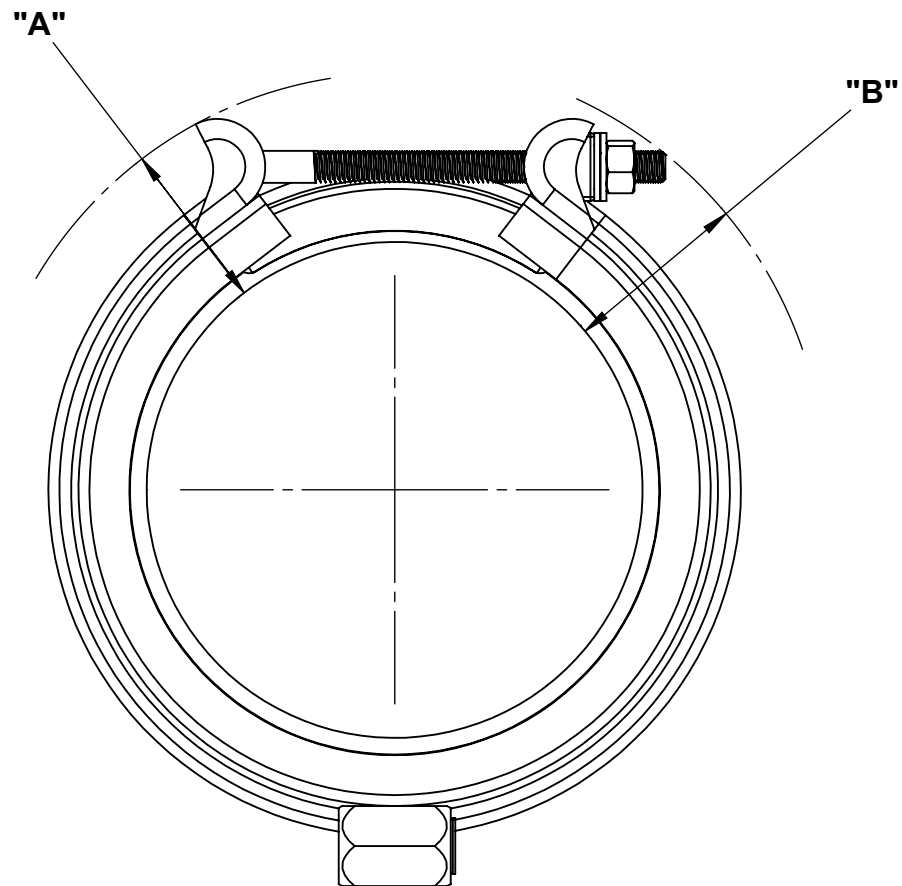
NOTES

- Pipe stiffeners **are required** when this product is used on HDPE and thin wall PVC pipe
- Top-Bolt® and Flexi-Coat® are 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



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

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:
- SEE CATALOG FOR PART NUMBERS AND RANGES
 - 6.00" COUPLING SHOWN OTHER SIZES SIMILAR

NOMINAL SIZE (IN)	A	B		L	BOXED WEIGHT (LBS)
		OPEN	CLOSED		
2	2.88	3.50	5.00 Max	12.00	11
3	2.88	3.50	5.00 Max	16.00	16
4	3.00	3.50	5.00 Max	16.00	26
6	3.00	3.50	5.00 Max	21.00	39
8	3.00	3.00	5.00 Max	21.00	49
10	3.13	3.00	5.00 Max	21.00	58
12	3.25	3.00	5.00 Max	21.00	67

WRENCH SIZE CHART

NUT	SIZE
1/2"-13UNC ALLEN	5/16"
9/16"-12UNC	7/8"

CERTIFIED TO NSF/ANSI 61-G & 372

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	
		CK'D		DATE	
	SCALE: N/A	DRN	BCM	DATE	6/8/14
TITLE SPECIFICATION TOP BOLT® WIDE RANGE TWO BOLT COUPLING MODEL 422					
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS			P/N N/A		
			DWG. NO. SPEC_422.DRW	1 OF 1 SHEET	6/30/16 REV.