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, alkalis, 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
- This product does not restrain the pipe from pulling out of the fitting
- Pipe stiffeners are required when this product is used on HDPE and thin wall PVC pipe
- Top-Bolt® and 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 warnings
NOTES:
1. SEE CATALOG FOR PART NUMBERS AND RANGES
2. 6.00" COUPLING SHOWN OTHER SIZES SIMILAR

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<th>BOXED WEIGHT (LBS)</th>
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WRENCH SIZE CHART

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<tr>
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CERTIFIED TO NSF/ANSI 61-G & 372