APPLICATIONS

• Typical Uses
  - Connects a wide variety of plain-end pipe to flanged fittings, meters, valves, or other flanged equipment.

• Standard Pipe Sizes
  - 2” to 12” nominal

• Type of Pipe
  - Carbon Steel, Stainless Steel, Ductile Iron, Asbestos Cement, PVC, Copper Tube, HDPE
  (see notes for thin wall PVC & HDPE applications)

• Working Pressure
  - 175 psi

MATERIALS

• Coupling 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

• Flange
  - 2” – standard meter coupling flange Meets ANSI B16.5.
  - 3” thru 12” – AWWA C207 Class D ANSI 150 lb. drilling
  - Flexi-Coat® fusion bonded epoxy finish which meets application methods AWWA C213

• Sleeve
  - Carbon Steel per ASTM A283C, A285A, or A36
  - Flexi-Coat® fusion bonded epoxy finish which meets application methods AWWA C213

• 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 4° of pipe deflection
SPECIFICATION
TOP BOLT® WIDE RANGE FLANGED COUPLING ADAPTER
MODEL 921

- 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 type washer on opposite end
  - Rolled threads for improved physical characteristics, greater thread accuracy and smooth surface finish
  - Requires tightening of only one bolt for ease of fitting installation and removal

- Coupling 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

OPTIONS
- Anode connector available for cathodic protection
- Other Flange configurations available upon request

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

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® are registered trademarks 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" COUPLING SHOWN.

### NOMINAL SIZE (IN)

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<th>BOLT</th>
<th>A</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>L</th>
<th>FLANGE BOLT QTY.</th>
<th>BOXED WEIGHT (LBS)</th>
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### WRENCH SIZE CHART

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<tr>
<td>1/2&quot;-13UNC ALLEN</td>
<td>5/16&quot;</td>
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<tr>
<td>9/16&quot;-12UNC</td>
<td>7/8&quot;</td>
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</table>

### NOTES:
- REMOVE BURRS AND SHARP EDGES
- DO NOT SCALE DWG.
- CK'D DRN DATE
- ALL DIMENSIONS ARE IN INCHES.
- .XX=.03
- .XXX=.015
- FRACTIONS= ANGLES=
- MACH. FIN=

CERTIFIED TO NSF/ANSI 61-G & 372

TOP BOLT® FLANGED COUPLING ADAPTER
MODEL 921

SMITH-BLAIR, Inc.
TEXARKANA, ARKANSAS

SPECIFICATION

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SPEC_921.DRW

N/A

Dwg. No.
REV.

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