SPECIFICATION
HEAVY DUTY DISMANTLING JOINT (RESTRAINED)
MODEL 972

APPLICATIONS

- Typical Uses
  - Joining and restraining flanged fittings, pumps, meters, valves, or other miscellaneous flanged service equipment
  - Ideal for connecting butterfly/wafer valves or pumps requiring service for maintenance

- Standard Pipe Sizes
  - 3” & Larger

- Type of Pipe
  - Any flanged pipe or fittings

- Working Pressure
  - 3” – 12” nominal pipe size(s) = 175 psi
  - 14” and greater nominal pipe size(s) = 150 psi
  - See options for higher working pressure design

MATERIALS

- Pusher Flange
  - Carbon Steel per ASTM A36 and/or A283C
  - Flexi-Coat® fusion bonded epoxy finish
  - Bolt hole pattern matches AWWA C207 150# drilling

- Sleeve Weldment
  - Sleeve
    - Material: 3 - 5” nominal pipe size(s) = Carbon Steel per ASTM A513 or A53
    - 6” and larger nominal pipe size = Carbon Steel per ASTM A283C
    - Flexi-Coat® fusion bonded epoxy finish
    - Larger O.D. sleeves provided with hanging ring(s) for ease of installation
  - Flange
    - Carbon Steel per ASTM A36
    - AWWA C207 Class D 150#

- Spool Weldment
  - Sleeve
    - Material: 3 - 6” nominal pipe size(s) = Carbon Steel per ASTM A513 or A53
    - 8” and larger nominal pipe size(s) = Carbon Steel per ASTM A283C
    - Flexi-Coat® fusion bonded epoxy finish
Nominal sizes 18”-24” spool weldment sleeve are expanded larger than through-bore at flange end only. All other sizes are through-bore design.

Telescoping design allows spool weldment to travel through sleeve weldment

- **Flange**
  - Carbon Steel per ASTM A36
  - AWWA C207 Class D 150#

- **Gasket**
  - Nitrile (Buna-N) per ASTM D2000
  - Compounded to resist water, oil, natural gas, acids, alkali, most (aliphatic) hydrocarbon fluids, and many other chemicals
  - Temperature range: -20°F to +180°F

- **Studs**
  - Carbon Steel per ASTM A193 B7
  - Size: 3” – 5” nominal pipe size(s) = 5/8”-11UNC, 14.00”, All Thread
  - 6” – 8” nominal pipe size(s) = 3/4”-10UNC, 16.00”, All Thread
  - 10” – 12” nominal pipe size(s) = 7/8”-9UNC, 17.00”, All Thread
  - 14” – 16” nominal pipe size(s) = 1”-8UNC, 20.00”, All Thread
  - 18” – 20” nominal pipe size(s) = 1-1/8”-8UN, 20.00”, All Thread
  - 24” – 30” nominal pipe size(s) = 1-1/4”-8UN, 22.00”, All Thread
  - 36” – 42” nominal pipe size(s) = 1-1/2”-UN, 23.00”, All Thread
  - 48” nominal pipe size = 1-1/2”-8UN, 26.00”, All Thread
  - 54” nominal pipe size = 1-3/4”-8UN, 26.00”, All Thread
  - 60” nominal pipe size = 1-3/4”-8UN, 30.00”, All Thread
  - 66” – 72” nominal pipe size(s) = 1-3/4”-8UN, 33.00”, All Thread
  - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish

- **Nut**
  - Carbon Steel per ASTM A194
  - Sized to mating stud
  - Heavy Hex Semi-Finished

- **Washer**
  - Carbon Steel per ASTM F844
  - Fe/Zn coated per ASTM F1941-10
  - Sized to mating stud
  - Type A Plain
  - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface
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LISTINGS
- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Meets applicable portions of AWWA C219
- Fusion-Bonded Epoxy Coating meets requirements of AWWA C213

OPTIONS
- Other materials of construction (e.g. 304SS, 316SS, etc.)
- Type 304 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Type 316 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Alternative gasket material (e.g. Viton, EPDM, etc.)
- Anode connector
- Higher working pressure design
- Custom flange to flange lengths
- Any industry standard flange
- Reducing joints

NOTES
- 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 website for part numbers and ordering information
- See the Smith-Blair website for warranty information
- See the Smith-Blair website for corrosion notice
NOTES:
1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 8" STANDARD LENGTH DISMANTLING JOINT SHOWN OTHER SIZES SIMILAR
3. NOMINAL SIZES 18"-24" SPOOL WELDMENT SLEEVE ARE EXPANDED LARGER THAN THROUGH-BORE AT FLANGE END ONLY. ALL OTHER SIZES ARE THROUGH-BORE DESIGN AS SHOWN.

WRENCH SIZE CHART

<table>
<thead>
<tr>
<th>NUT SIZE</th>
<th>SIZE</th>
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<tbody>
<tr>
<td>5/8&quot;-1 UNC HH</td>
<td>1-1/16&quot;</td>
</tr>
<tr>
<td>3/4&quot;-10 UNC HH</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>7/8&quot;-8 UNC HH</td>
<td>1-7/16&quot;</td>
</tr>
<tr>
<td>1-8 UNC HH</td>
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SMITH-BLAIR, Inc.
TEXARKANA, ARKANSAS

NOTES:
- REMOVE BURRS AND SHARP EDGES
- DO NOT SCALE DWG.
- CK'D