APPLICATIONS

- **Typical Uses**
  - Reducing coupling to join and restrain plain-end PVC pipe end to plain-end D.I. pipe end
  - Reducing coupling to join and restrain plain-end PVC pipe end to plain-end Steel pipe end

- **Standard Pipe Size**
  - DI sized 3" - 48" nominal
  - IPS sized 3" - 12" nominal

- **Type of Pipe**
  - Ductile Iron, Carbon Steel
  - PVC
  
  Suitable applications for PVC are limited to SDR 26 or heavier wall pipe as defined by ASTM D2241

- **Working Pressure**
  - Ductile Iron or Carbon Steel
    - DI pipe sizes 3" - 16" = 350 psi, 18" - 48" = 250 psi
    - IPS pipe sizes 3" - 12" = 250 psi
  - PVC
    - Rated at pressure rating of the PVC pipe installed on
    - DI pipe sizes 4" - 24" = 235 psi, 30" = 150 psi, 36" = 125 psi
    - IPS pipe sizes 3" - 12" = 250 psi
  
  The pressure rating for Pipe-Lock™ will be the lower of the two pipes when coupling/restraining together pipes with different pressure ratings.

MATERIALS

- **Sleeve**
  - See 477 specification document

- **Restraint**
  - See 111 and 120 specification document

- **Gasket**
  - Styrene Butadiene Rubber (SBR) per AWWA C111/A21.11
  - Compounded to resist water, oil, natural gas, acids, alkalis, most (aliphatic) hydrocarbon fluids, and many other chemicals
  - Temperature range: -20°F to +180°F
  - Permanently marked with part number and pipe size range for proper selection
T-Bolt

- HSLA Carbon Steel per AWWA C111/A21.11
- Size: 3” nominal pipe size = 5/8” – 11 UNC
  4” – 24” nominal pipe size = 3/4” – 10 UNC
  30” – 36” nominal pipe size = 1-0” – 8 UNC
  42” – 48” nominal pipe size = 1-1/4” – 7 UN
- Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish

Nut

- HSLA Carbon Steel per AWWA C111/A21.11
- Size: 3” nominal pipe size = 5/8” – 11 UNC, Heavy Hex Semi-Finished
  4” – 24” nominal pipe size = 3/4” – 10 UNC, Heavy Hex Semi-Finished
  30” – 36” nominal pipe size = 1-0” – 8 UNC, Heavy Hex Semi-Finished
  42” – 48” nominal pipe size = 1-1/4” – 7 UN, Heavy Hex Semi-Finished

LISTINGS

- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Meets applicable portions of AWWA C219
- Flexi-Coat® Fusion-Bonded Epoxy Coating meets requirements of AWWA C213

OPTIONS

- Type 304 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Type 316 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Multi-Seal Gasket 4” - 12”
- Alternative gasket material (e.g. Buna-N, EPDM, etc.)

NOTES

- These product specifications were correct at the time of publication and are subject to change without notice
- Pipe-Lock™ is a trademark of Smith-Blair Inc.
- 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
NOTES:
1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 12" X 6" COUPLING SHOWN OTHER SIZES SIMILAR
3. SEE MODEL 477, 111, AND 120 SPECIFICATIONS FOR ADDITIONAL DETAILS

PVC X DI/STEEL
(DI 3" - 48" & IPS 3" - 12")
(PVC 3" - 36")

SMALL O.D.

SECTION A-A

LARGE O.D.

SMITH-BLAIR, Inc.

TEXARKANA, ARKANSAS

SPECIFICATION
PIPE-LOCK™ STEEL RESTRAINT COUPLING
MODEL 476

NOTES:
1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 12" X 6" COUPLING SHOWN OTHER SIZES SIMILAR
3. SEE MODEL 477, 111, AND 120 SPECIFICATIONS FOR ADDITIONAL DETAILS