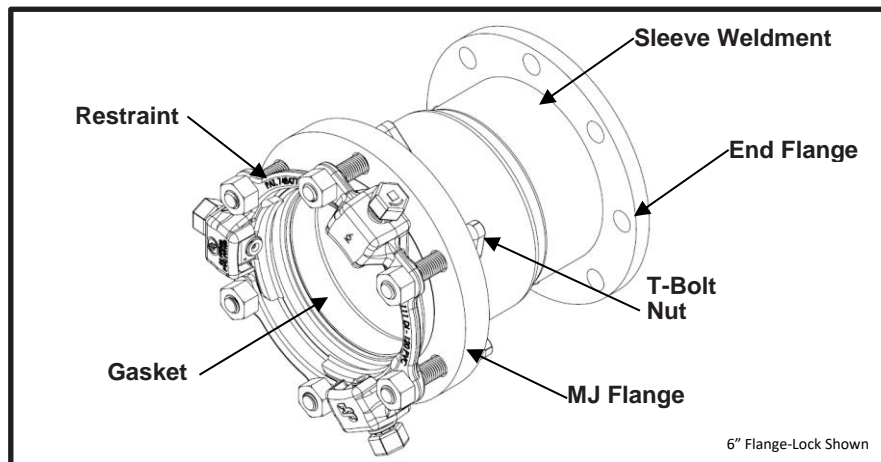


# SPECIFICATION

## FLANGE-LOCK™ RESTRAINED FCA

### MODEL 911



#### APPLICATIONS

- **Typical Uses**
  - Joining and restraining plain-end ductile iron pipe ends to flanged pipe, fittings, valves, meters, or other flanged equipment
  - Joining and restraining plain-end carbon steel pipe ends to flanged pipe, fittings, valves, meters, or other flanged equipment
- **Standard Pipe Size**
  - DI sized 3" - 48" nominal
  - IPS sized 3" - 12" nominal
- **Type of Pipe**
  - Ductile Iron, Carbon Steel
- **Working Pressure** (*see options for higher working pressure design*)
  - 3" – 12" nominal pipe size = 175 psi
  - 14" and greater nominal pipe size = 150 psi

#### MATERIALS

- **Sleeve Weldment**
  - See 923 specification document
- **Restraint**
  - See 111 specification document
- **Gasket**
  - Styrene Butadiene Rubber (SBR) per ASTM D2000
  - 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
  - Sized in accordance with AWWA C111/A21.11
- **T-Bolt**
  - HSLA Carbon Steel per AWWA C111/A21.11
  - 3/4" – 10 UNC
  - Rolled threads for improved physical characteristics, greater thread accuracy and smooth surface finish



*Smith-Blair*  
a xylem brand

# SPECIFICATION

## FLANGE-LOCK™ RESTRAINED FCA

### MODEL 911

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- Nut
  - HSLA Carbon Steel per AWWA C111/A21.11
  - 3/4" – 10 UNC, 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

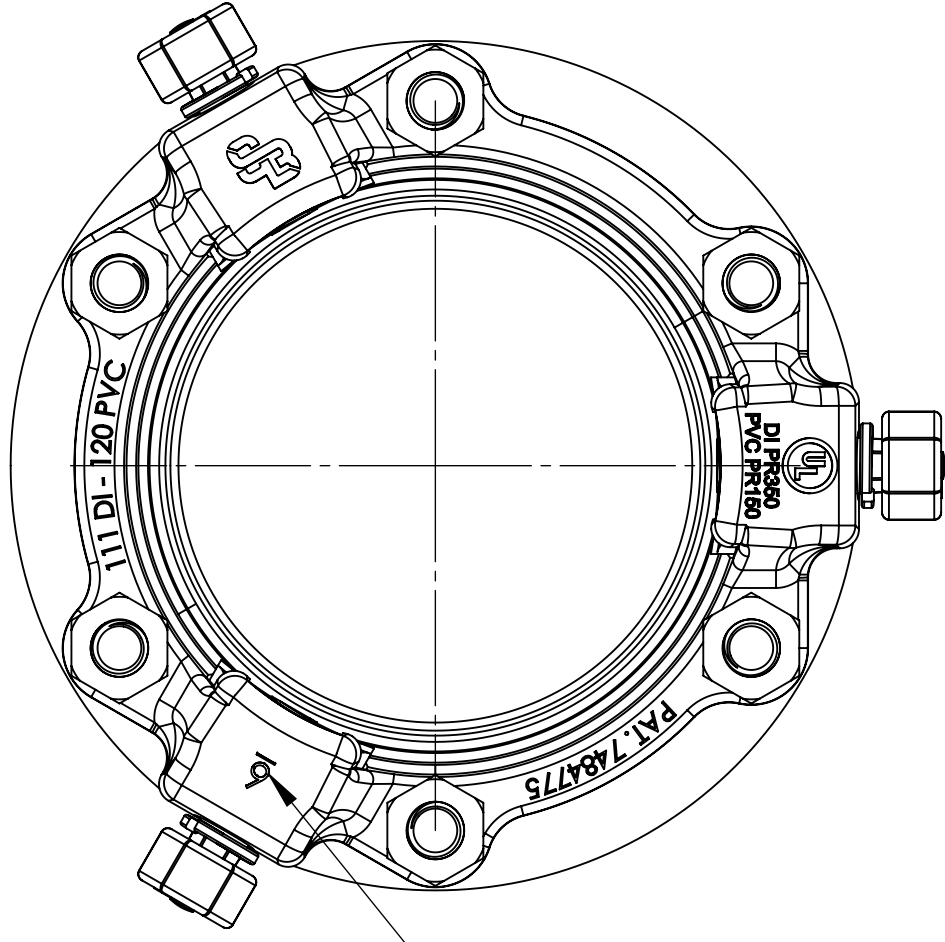
#### OPTIONS

- 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
- Multi-Seal Gasket 4" - 12"
- Alternative gasket material (e.g. Buna-N, EPDM, etc.)
- Anode Connector
- Pipe stop incorporated into sleeve
- Custom sleeve length and thickness
- High pressure flange types
- Any industry standard flange

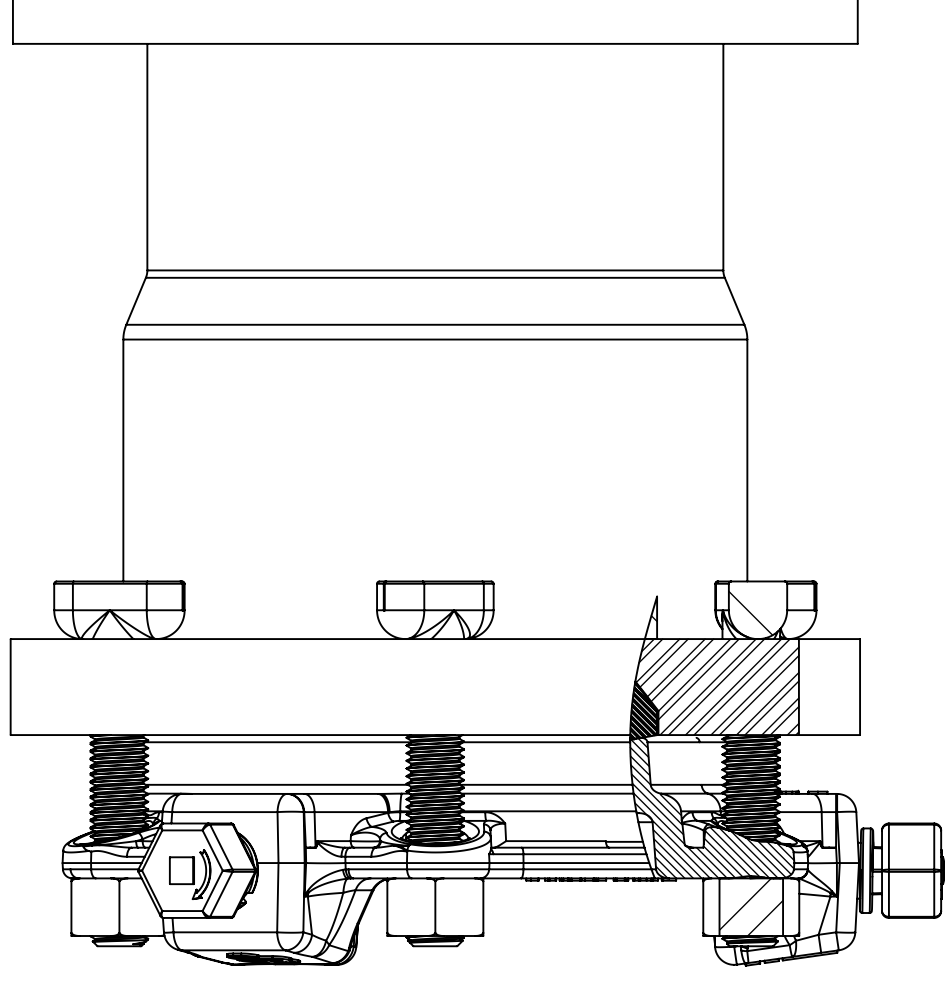
#### NOTES

- These product specifications were correct at the time of publication and are subject to change without notice
- Flange-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

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



**NOMINAL  
SIZE MARKING**



TOLERANCES U.N.O.

XX= +.03  
XXX= +.015  
FRACTIONS=  
ANGLES=1°  
MACH. FIN=

NOTES:  
REMOVE BURRS  
AND SHARP EDGES  
DO NOT SCALE DWG.

ALL DIMENSIONS  
ARE IN INCHES.

APP'D

DATE

CK'D

DATE

DRN

DATE

CHD

10/19/15

**TITLE**

**SPECIFICATION**  
**FLANGE-LOCK™ RESTRAINED FCA**  
**MODEL 911**

**NOTES:**

1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 6" FCA SHOWN OTHER SIZES SIMILAR
4. SEE MODEL 923 AND 111 SPECIFICATIONS FOR ADDITIONAL DETAILS

P/N

**SMITH-BLAIR, Inc.**  
TEXARKANA, ARKANSAS

N/A

**SPEC\_911.DRW**

DWG. NO.

1 OF 1  
SHEET

8/6/20  
REV.