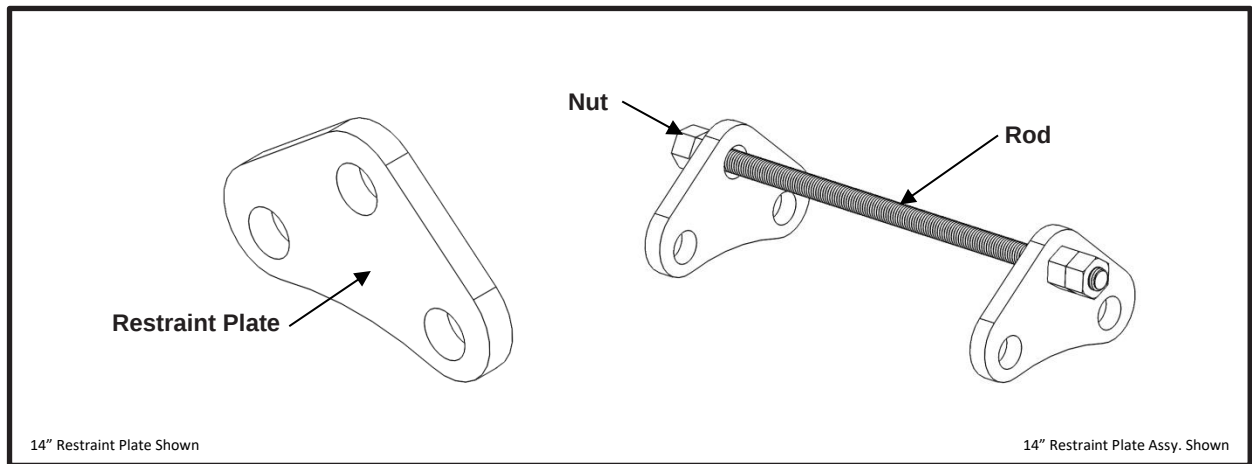


# SPECIFICATION

## RESTRAINT PLATE ASSEMBLY

### MODEL 907



#### APPLICATIONS

- **Typical Uses**
  - Restraining flanged piping connections
- **Standard Pipe Sizes**
  - Any size
- **Type of Flange**
  - Any style and size of bolted flange
- **Working Pressure**
  - Designed for application

#### MATERIALS

- **Restraint Plate**
  - Carbon Steel per ASTM A36 or A283C
  - Flexi-Coat® fusion bonded epoxy finish
  - AWWA C207 Class D 150# drillings
- **Rod**
  - Carbon Steel per ASTM A193 GR B7
  - All thread sized per mating flange
  - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Nut**
  - HSLA Steel per AWWA C111/A21.11
  - Heavy Hex Semi-Finished sized per mating flange
  - Extra nut supplied for jam nut feature

#### LISTINGS

- Meets applicable portions of AWWA C219
- Flexi-Coat® Fusion-Bonded Epoxy Coating meets requirements of AWWA C213



# SPECIFICATION

## RESTRAINT PLATE ASSEMBLY

### MODEL 907

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#### OPTIONS

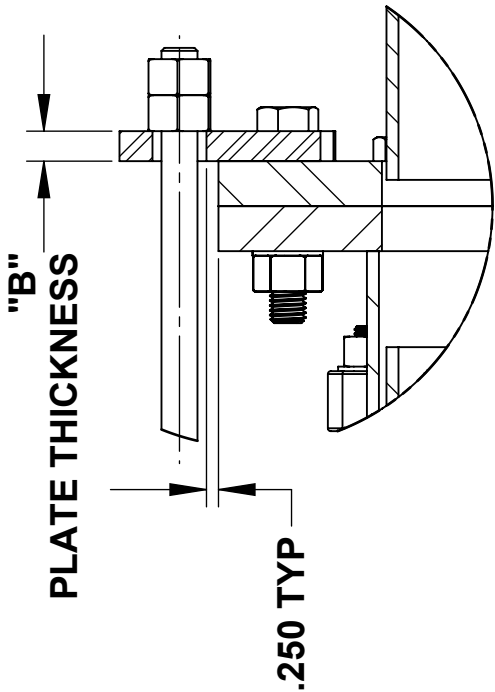
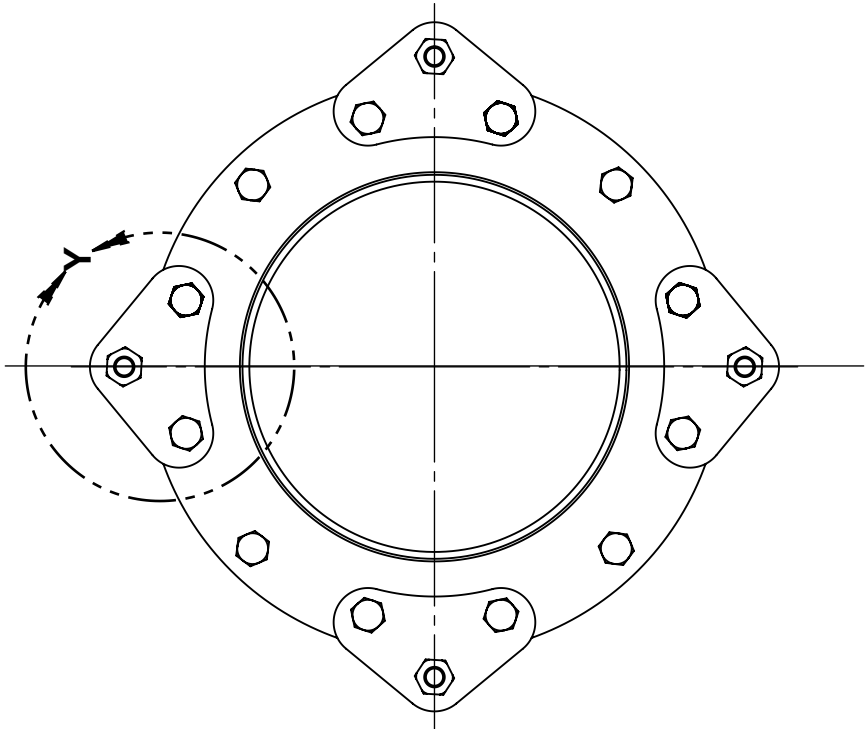
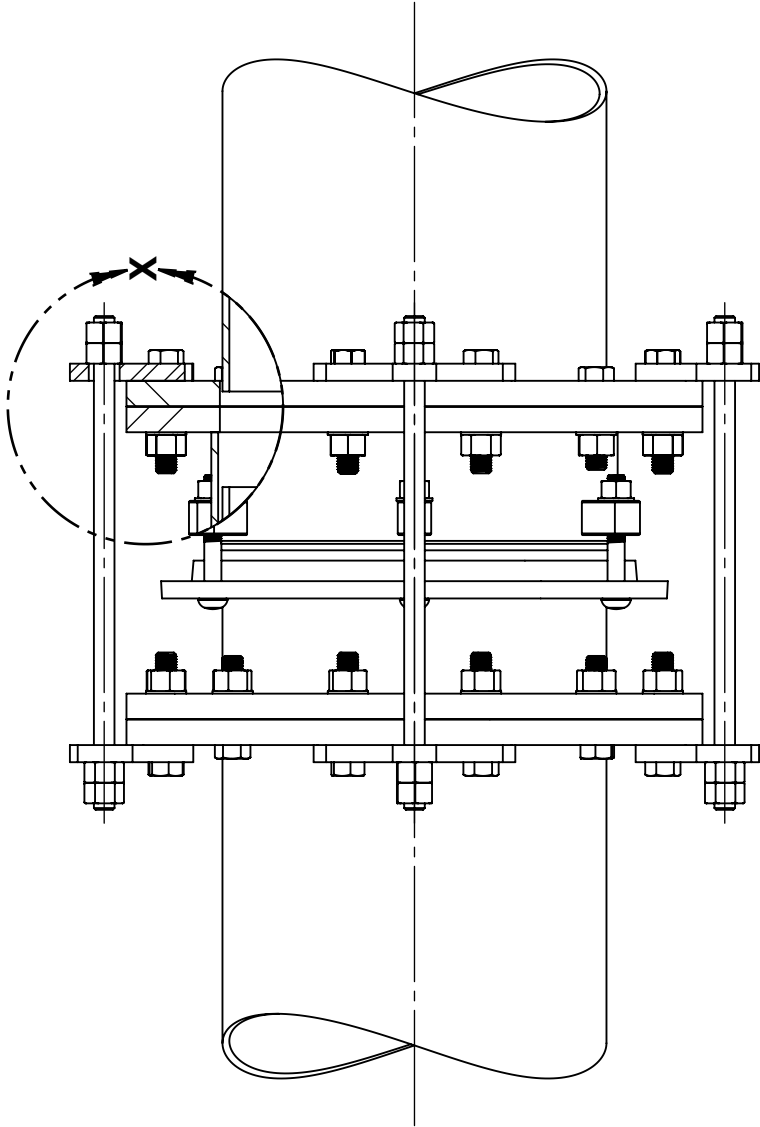
- Other materials of construction (e.g. 304SS, 316SS, etc.)
- Type 304 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Type 316 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Custom rod lengths
- Any industry standard flange drill pattern

#### NOTES

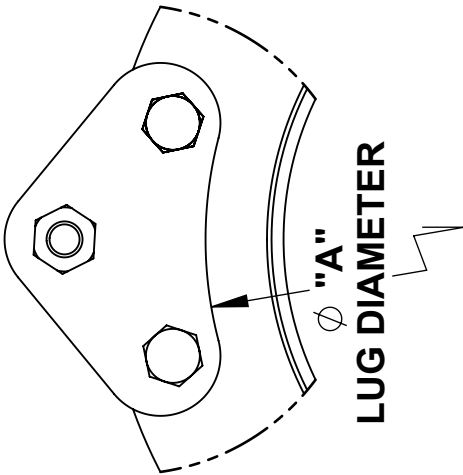
- Xylem, Smith-Blair, SB stylized, Flexi-Coat, Top Bolt and Maxi-Grip are registered trademarks and Flange-Lock is a trademark of Xylem, Inc., or one of its subsidiaries.
- These product specifications were correct at the time of publication and are subject to change without notice
- See the Smith-Blair 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 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

| WRENCH SIZE CHART |         |  |
|-------------------|---------|--|
| NUT               | SIZE    |  |
| 5/8"-11UNC HH     | 1-1/16" |  |
| 3/4"-10UNC HH     | 1-1/4"  |  |
| 1"-8UNC HH        | 1-5/8"  |  |
| 1-1/4"-8UN HH     | 2"      |  |
| 1-1/2"-8UN HH     | 2-3/8"  |  |



DETAIL X



DETAIL Y

| FLANGE SIZE | A     | B    | ROD SIZE |
|-------------|-------|------|----------|
| 3           | 4.50  | 0.50 | 0.63     |
| 4           | 6.19  |      |          |
| 6           | 8.00  |      |          |
| 8           | 10.25 | 0.63 | 0.75     |
| 10          | 12.50 |      |          |
| 12          | 15.25 |      |          |
| 14          | 16.75 | 0.75 | 1.00     |
| 16          | 19.25 |      |          |
| 18          | 20.62 |      |          |
| 20          | 22.88 | 1.00 | 1.25     |
| 24          | 27.12 |      |          |
| 30          | 33.62 |      |          |
| 36          | 40.00 | 1.25 | 1.50     |
| 42          | 46.75 |      |          |
| 48          | 53.25 |      |          |

- NOTES:
- SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
  - 971 DISMANTLING JOINT WITH 14IN RESTRAINT PLATES SHOWN OTHER SIZES SIMILAR
  - RESTRAINT PLATE QUANTITY BASED ON FLANGE SIZE AND WORKING PRESSURE
  - CHECK LUG DIAMETER FOR CLEARANCE OVER THE FLANGE HUB. SOME THREADED FLANGES HAVE LARGE DIAMETER HUBS WHICH MAY CAUSE INTERFERENCE WITH RESTRAINT PLATE LUG DIAMETER.

|                                                                                       |                                                                |       |      |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------|-------|------|
| TOLERANCES U.N.O.<br>XX= ±.03<br>XXX= ±.015<br>FRACTIONS=<br>ANGLES=±1°<br>MACH. FIN= | NOTES:<br>REMOVE BURRS<br>AND SHARP EDGES<br>DO NOT SCALE DWG. | APP'D | DATE |
|                                                                                       |                                                                | CK'D  | DATE |
|                                                                                       | SCALE: N/A                                                     | DRN   | DATE |

CHD

11/30/15

|                          |  |
|--------------------------|--|
| TITLE                    |  |
| SPECIFICATION            |  |
| RESTRAINT PLATE ASSEMBLY |  |
| MODEL 907                |  |

|                     |  |              |  |
|---------------------|--|--------------|--|
| P/N                 |  | N/A          |  |
| SMITH-BLAIR, Inc.   |  | SPEC_907.DRW |  |
| TEXARKANA, ARKANSAS |  | DWG. NO.     |  |
| 1                   |  | 1            |  |
| 1                   |  | 7/1/16       |  |
|                     |  | SHEET        |  |
|                     |  | REV.         |  |