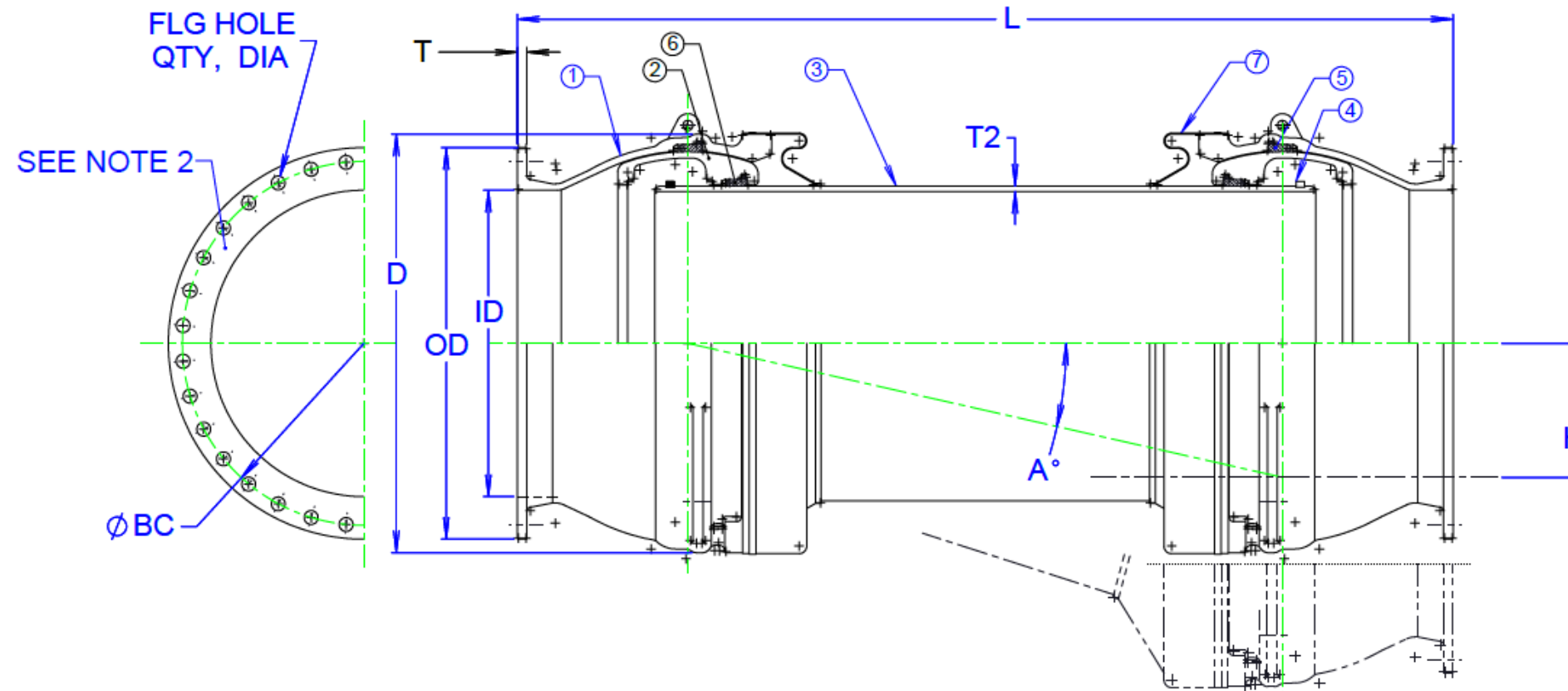


| SIZE | D | H OFFSET | L | ANGLE A | EXPANSION / CONTRACTION | OD | BC | ID | | T | T2 | FLANGE BOLT HOLES | | WORKING PRESSURE (PSI) | WGT (LBS) |
|------|------|----------|-------|---------|-------------------------|------|-------|--------|--------|------|------|-------------------|------|------------------------|-----------|
| | | | | | | | | FLANGE | SLEEVE | | | QTY | DIA | | |
| | | | | | | | | | | | | | | | |
| 30" | 43.3 | 7.9 | 79.5 | ±15° | +7.9 / -7.9 | 38.8 | 36.00 | 30.0 | 31.7 | 1.00 | 0.59 | 28 | 1.38 | 232 | 4,200 |
| | | 11.8 | 90.2 | | | | | | | | | | | | 4,500 |
| | | 15.7 | 105.1 | | | | | | | | | | | | 4,700 |
| | | 19.7 | 119.7 | | | | | | | | | | | | 4,900 |
| 36" | 49.2 | 7.9 | 79.5 | ±15° | +8.7 / -8.7 | 46.0 | 42.75 | 36.0 | 35.7 | 1.13 | 0.63 | 32 | 1.63 | 232 | 6,200 |
| | | 11.8 | 94.9 | | | | | | | | | | | | 6,400 |
| | | 15.7 | 110.2 | | | | | | | | | | | | 6,700 |
| | | 19.7 | 125.2 | | | | | | | | | | | | 6,900 |
| 42" | 53.3 | 7.9 | 81.9 | ±15° | +8.7 / -8.7 | 53.0 | 49.50 | 42.0 | 39.6 | 1.25 | 0.67 | 36 | 1.63 | 232 | 7,300 |
| | | 11.8 | 97.2 | | | | | | | | | | | | 7,800 |
| | | 15.7 | 112.6 | | | | | | | | | | | | 8,000 |
| | | 19.7 | 127.6 | | | | | | | | | | | | 8,200 |

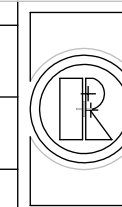
| REVISIONS | | | |
|-----------|--|------------|--------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 0 | INITIAL RELEASE | 6/9/2004 | DH EATON |
| 1 | PT 7 WAS SBR. EXPANSION/CONTRACTION OF 36" AND 42" WAS +/- 7.9" | 3/5/2005 | DH EATON |
| 2 | ADDED EPDM AS OPTION TO PT 5 & 6. CHANGED SHEET FORMAT TO NEW TEMPLATE. ADDED PRESSURE RATING TO TABLE | 2/20/2009 | N THORGERSEN |
| 3 | NAME WAS FLEXIJOINT | 6/30/2011 | N THORGERSEN |
| 4 | ADDED OD TO DIM. DIM D MOVED TO CORRECT LOCATION | 8/7/2017 | C NICHOLS |
| 5 | 42" PRESSURE RATING WAS 145 AND 217 | 10/25/2022 | J MORMAN |
| 6 | UPDATED COATING NOTES AND PARTS TO CURRENT OFFERING. UPDATED TABLE FORMATS | 8/16/2023 | J MORMAN |
| 7 | MODIFIED NOTES 1 & 3 TO BETTER DESCRIBE PRODUCT DETAILS | 10/26/2023 | J MORMAN |
| 8 | UPDATED FLANGE STANDARDS IN NOTE 2 | 12/20/2023 | J MORMAN |
| 9 | ADDED SLEEVE ID. UPDATED ROUNDING ITEMS IN TABLE. ADDED SERIES A TO NOTE 2 | 5/29/2024 | J MORMAN |



| PART NO | QTY | NAME | MATERIAL |
|---------|-----|--------------|---------------------|
| 1 | 2 | CASING | DUCTILE IRON |
| 2 | 2 | BALL | DUCTILE IRON |
| 3 | 1 | SLEEVE | DUCTILE IRON |
| 4 | 2 | LOCKRING | 403 STAINLESS STEEL |
| 5 | 2 | RUBBER RING | SBR |
| 6 | 2 | RUBBER RING | SBR |
| 7 | 2 | CASING COVER | CR |

- NOTES:
- COATING APPLIED TO ALL DUCTILE IRON COMPONENTS.
 - SYNTHETIC RESIN COATING PER JWWA K 139 FOR EXTERIOR SURFACES.
 - EPOXY COATING PER JWWA G 112 FOR SURFACES TOUCHING THE WATER
 - FLANGE COMPATIBLE WITH ANSI B16.1 CLS 125, ANSI B16.47 CLS 150 SERIES A, AWWA C207 CLS D & E BOLT CIRCLES
 - END THRUST MUST BE ACCOMMODATED IN DESIGN OF THE PIPING SYSTEMS. CONNECTING PIPES NEED TO BE RESTRAINED TO PREVENT EXPANSION UNDER PRESSURE.

| | | |
|---|--|--|
| PROPRIETARY NOTICE | UNLESS OTHERWISE SPECIFIED | SIGNATURES |
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| | | | | |
|--|-----------|---------------|--------------|-----------------|
| ROMAC INDUSTRIES INC., BOTHELL, WA | | | | |
| TITLE FJ-RESTRAINT, 30", 36", & 42" DOUBLE BALL, FLANGED | | | | |
| DWG. NO. B2294-B | SIZE B | REV. NO. 9 | SCALE NTS | SHEET 1 OF 1 |