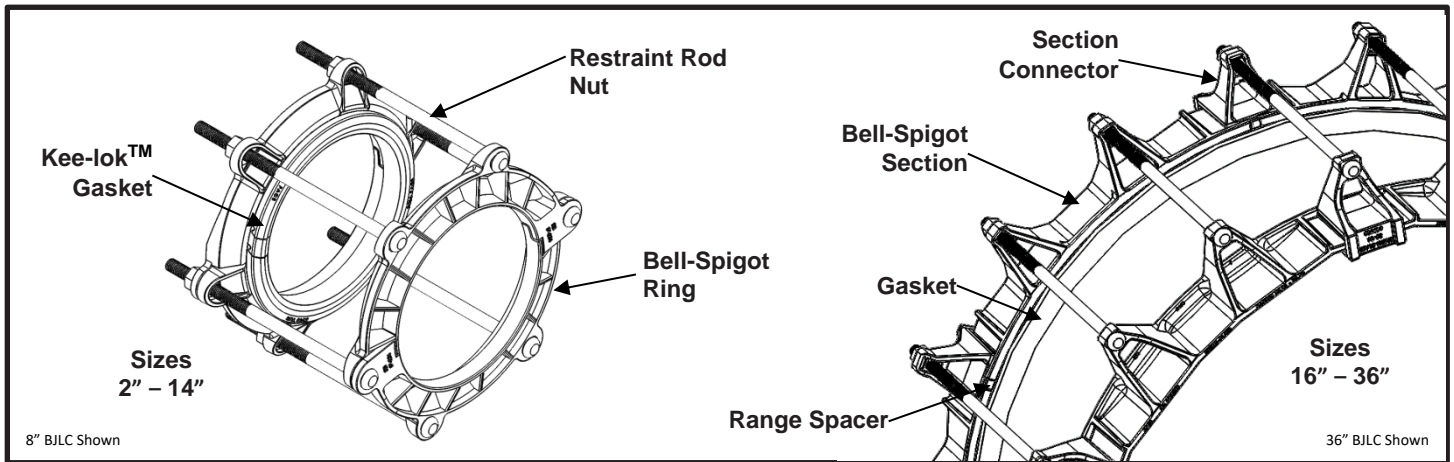




Smith-Blair
a xylem brand

SPECIFICATION BELL JOINT LEAK CLAMP MODEL 274G



APPLICATIONS

- **Typical Uses**
 - Seal bell and spigot joints
 - Repair leaking bell and spigot rubber ring or caulk joints
 - Repair leaking in-line couplings
- **Standard Pipe Size**
 - 2" to 36" nominal
- **Type of Pipe**
 - Cast Iron
- **Working Pressure**
 - 100 psi

MATERIALS

- **Bell-Spigot Ring**
 - Material: 2" – 12" nominal pipe size = Ductile Iron 80-55-06 per ASTM 536
14" nominal pipe size = Carbon Steel per ASTM A36
 - Flexi-Coat® fusion bonded epoxy finish
- **Bell-Spigot Section**
 - Material: 16" – 36" nominal pipe size = Ductile Iron 80-55-06 per ASTM 536
 - Flexi-Coat® fusion bonded epoxy finish
- **Section Connector**
 - Material: 16" – 36" nominal pipe size = Ductile Iron 80-55-06 per ASTM 536
 - Flexi-Coat® fusion bonded epoxy finish
- **Range Spacer**
 - Material: 16" – 36" nominal pipe size = Ductile Iron 80-55-06 per ASTM 536
 - Flexi-Coat® fusion bonded epoxy finish
- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - Compounded to resist oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F



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SPECIFICATION BELL JOINT LEAK CLAMP MODEL 274G

- **Restraint Rod**
 - High Strength Low Alloy (HSLA) Steel
 - Rolled threads
- **Nut**
 - HSLA Steel
 - Heavy Hex Semi-Finished

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
- Alternative gasket material (e.g. SBR, EPDM, etc.)
- Double gasket for in-line coupling repairs
- Anode Connector
- Special order length bolts/rods
- Higher working pressure design
- Larger diameter special fittings

NOTES

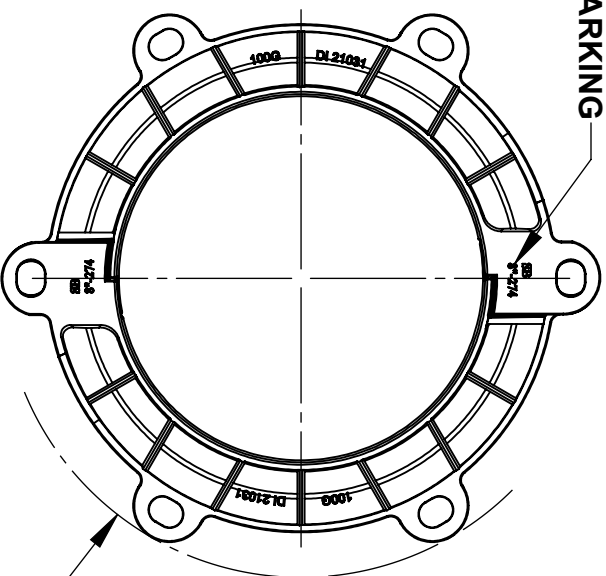
- Xylem, Smith-Blair, SB stylized, and Flexi-Coat are registered trademarks and Kee-Lok is a trademark of Xylem, Inc., or one of its subsidiaries
- These product specifications were correct at the time of publication and are subject to change without notice.
- See the Smith-Blair website for part numbers and ordering information
- See the Smith-Blair website for warranty information
- See the Smith-Blair website for corrosion notice



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

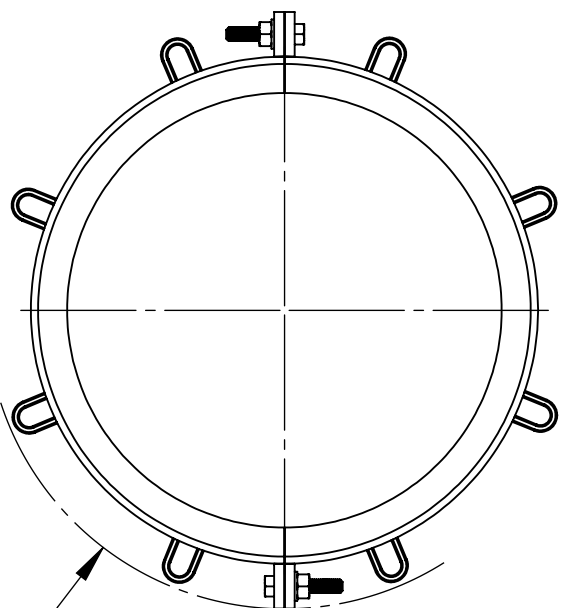
30 Globe Ave, Texarkana, AR 71854
Ph: 870-773-5127 • Fax: 870-773-5212
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792

NOMINAL PIPE SIZE MARKING



"A"
FLANGE O.D.

2"-12" FLANGE DETAIL

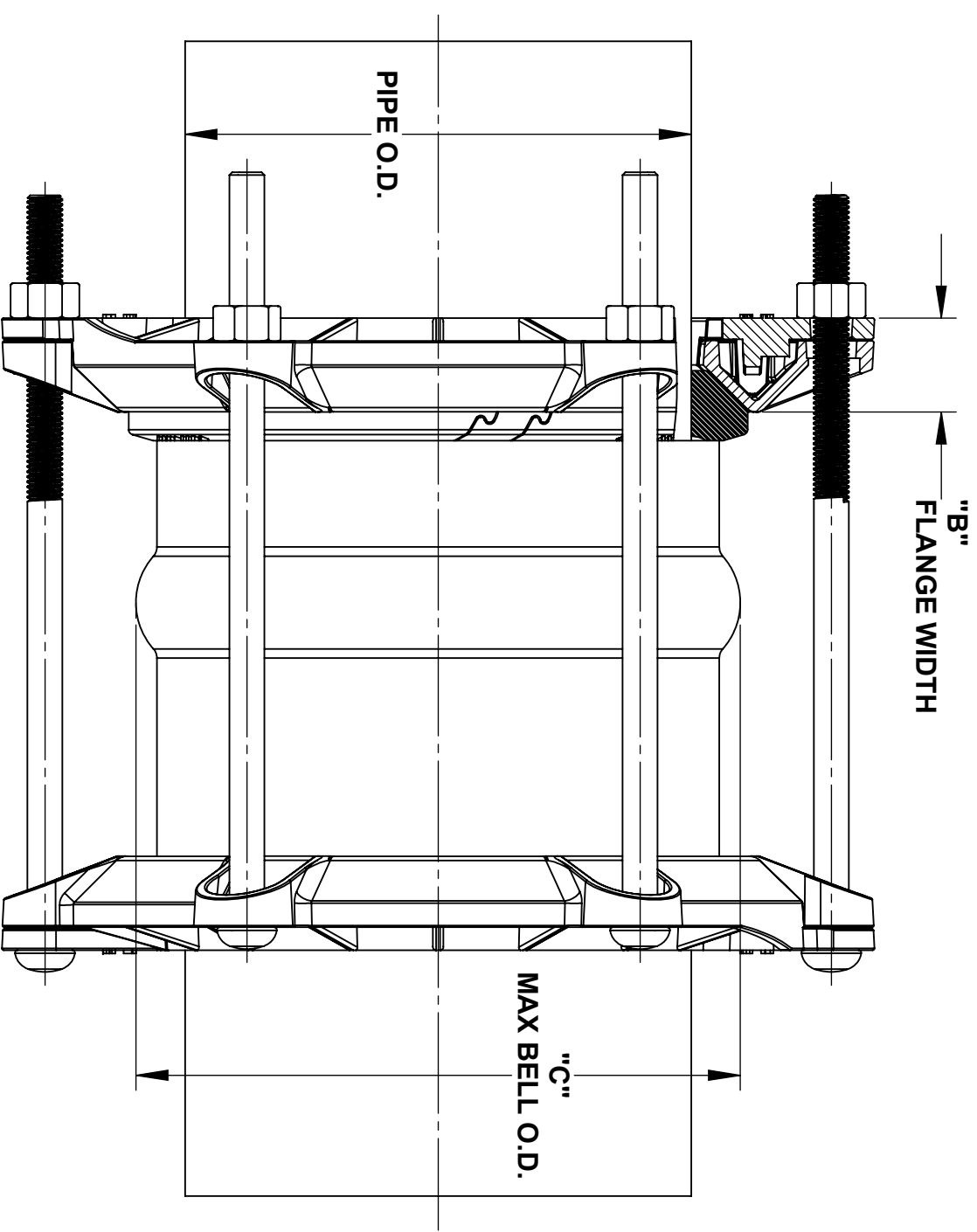


"A"
FLANGE O.D.

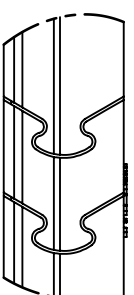
14" FLANGE DETAIL

- NOTES:
 1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
 2. 8" BJLC SHOWN. OTHER SIZES ARE SIMILAR.
 3. SEE CATALOG FOR SHORT OR LONG BELL PRODUCT SELECTION AND CORRESPONDING HARDWARE SIZE & QUANTITIES

NOM. PIPE SIZE	PIPE O.D. RANGE	A	B	C	APPROX WEIGHT (LBS)
2	2.50	7.00	1.00	5.19	3
3	3.80-3.96	10.00	1.75	7.75	15
4	4.80-5.00	11.13	1.75	8.50	19
6	6.90-7.10	13.50	1.75	11.05	23
8	9.05-9.30	15.75	1.75	13.43	33
10	11.10-11.40	17.80	1.75	15.40	37
12	13.20-13.50	20.13	1.75	17.93	48
14	15.30 & 15.65	21.77	3.00	19.73	58



TYPICAL INSTALLATION
 NOMINAL PIPE SIZES 2" - 14"



KEE-LOK™ GASKET DETAIL

WRENCH SIZE CHART	
NUT	SIZE
1/2"-13UNC HH	7/8"
5/8"-11UNC HH	1-1/16"

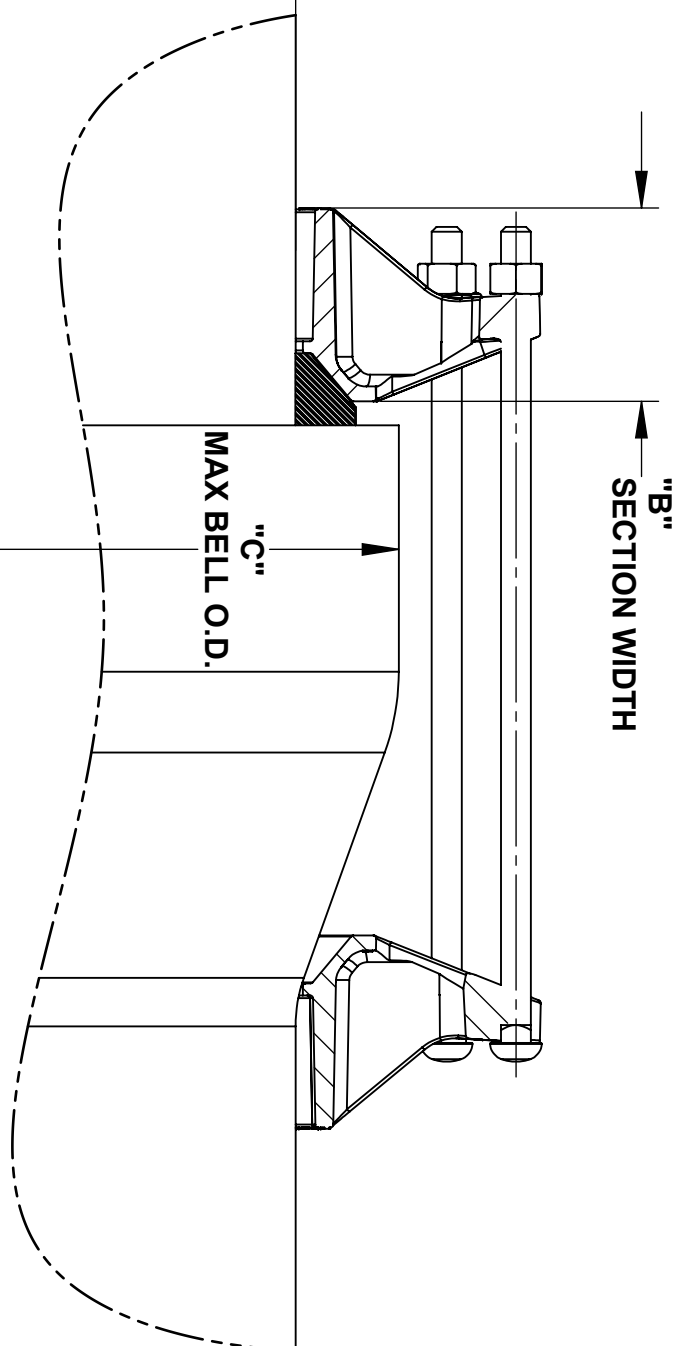
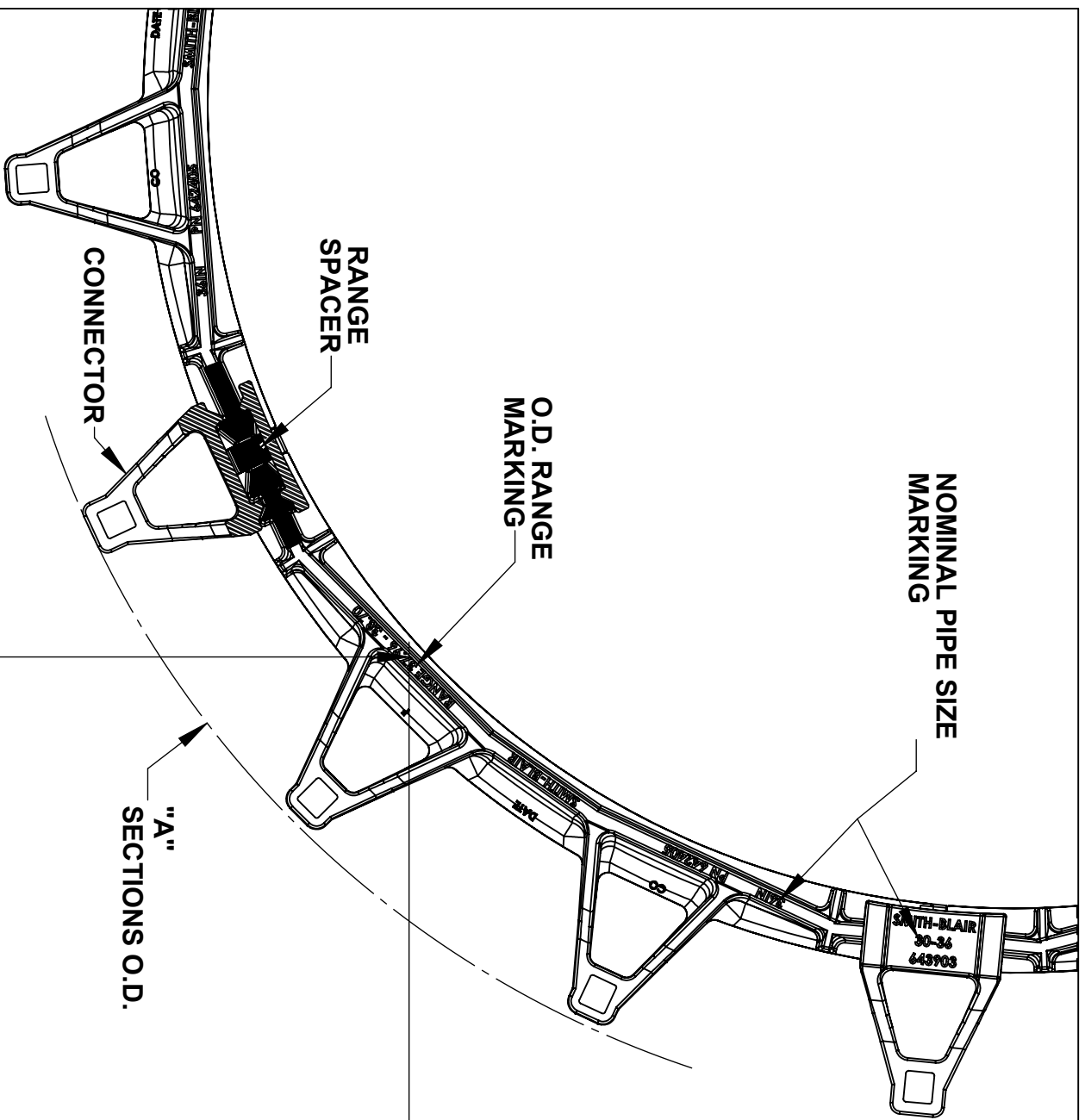
TOLERANCES U.N.O. XX= ±.03 XXX= ±.015 FRACTIONS= ±.015 ANGLES=±1° MACH. FIN=		NOTES: REMOVE BURRS AND SHARP EDGES DO NOT SCALE DWG.		APP'D	DATE
ALL DIMENSIONS ARE IN INCHES.		SCALE:	N/A	DRN	DATE
TITLE		SPECIFICATION		CHD	DATE

BELL JOINT LEAK CLAMP
 MODEL 274 - GAS

SMITH-BLAIR, Inc.
 TEXARKANA, ARKANSAS

P/N N/A
 SPEC_274g.DRW

DWG. NO. 3 OF 4 SHEET
 10/28/2024 REV.



- NOTES:**
1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
 2. 36" BJLC WITH RANGE SPACERS SHOWN. OTHER SIZES ARE SIMILAR.
 3. SEE CATALOG FOR SHORT OR LONG BELL PRODUCT SELECTION AND CORRESPONDING HARDWARE SIZE & QUANTITIES

NOM. PIPE SIZE	PIPE O.D. RANGE	A	B	C	APPROX WEIGHT (LBS)
16	17.40-17.80	27.78	2.47	22.15	78
18	19.50-19.92	27.38	2.59	24.75	90
20	21.60-22.06	29.74	2.75	27.11	118
24	25.80-26.32	34.36	3.00	31.73	130
30	31.74-32.74	42.48	4.00	39.85	245
36	37.96-38.70	48.88	4.00	46.25	301

WRENCH SIZE CHART	
NUT	SIZE
5/8"-11UNC HH	1-1/16"

TOLERANCES U.N.O.		NOTES: REMOVE BURRS AND SHARP EDGES. DO NOT SCALE DWG.		APP'D	DATE
XX= ±.03	XXX= ±.015	SCALE:	N/A	DRN	DATE
FRACTIONS=	ANGLES=±1°			CHD	DATE
MACH. FIN=	ALL DIMENSIONS ARE IN INCHES.				6/29/16

SPECIFICATION
BELL JOINT LEAK CLAMP
MODEL 274 - GAS

SMITH-BLAIR, Inc.
 TEXARKANA, ARKANSAS

P/N: N/A

SPEC_274g.DRW

DWG. NO.

4 OF 4 SHEET

10/28/2024 REV.