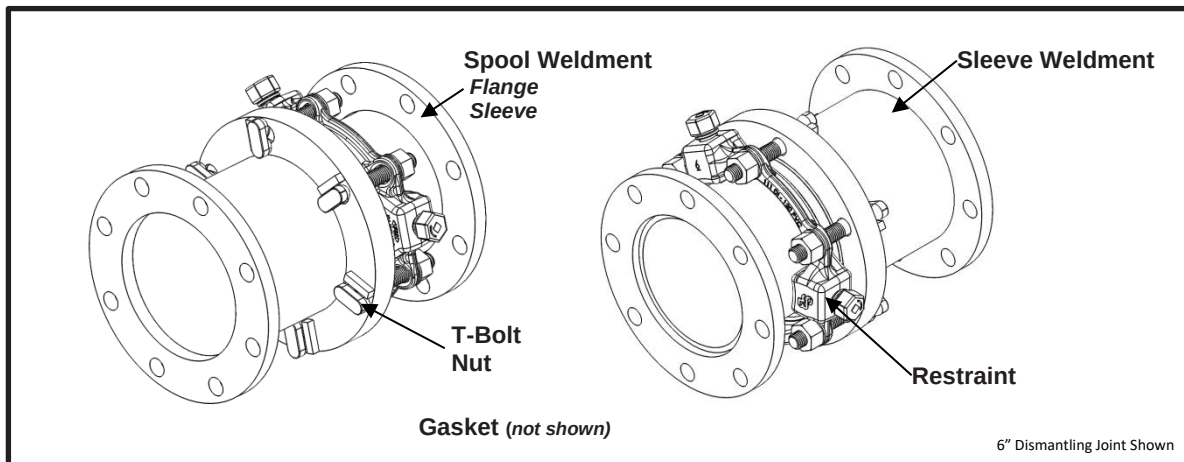


SPECIFICATION

DISMANTLING JOINT (RESTRAINED)

MODEL 973



APPLICATIONS

- **Typical Uses**
 - Joining and restraining flanged fittings, pumps, meters, valves, or other miscellaneous flanged service equipment
- **Standard Pipe Sizes**
 - DI sized 3" - 48" nominal
 - IPS sized 3" - 12" nominal
- **Type of Pipe**
 - Any flanged pipe or fittings
- **Working Pressure**
 - 150 psi
 - *See options for higher working pressure design*

MATERIALS

- **Restraint**
 - See 111 specification document
- **Sleeve Weldment**
 - See 923 specification document
- **Spool Weldment**
 - **Sleeve**
 - Material: 3 - 6" nominal pipe size(s) = Carbon Steel per ASTM A513 or A53
 - 8" and larger nominal pipe size(s) = Carbon Steel per ASTM A283C
 - Flexi-Coat® fusion bonded epoxy finish
 - Nominal sizes 18"-24" spool weldment sleeve are expanded larger than through-bore at flange end only. All other sizes are through-bore design.
 - Telescoping design allows spool weldment to travel through sleeve weldment
 - **Flange**
 - Carbon Steel per ASTM A36
 - AWWA C207 Class D 150#

SPECIFICATION

DISMANTLING JOINT (RESTRAINED)

MODEL 973

- **Gasket**
 - Styrene Butadiene Rubber (SBR) per AWWA C111/A21.11
 - Compounded to resist water, oil, natural gas, acids, alkalies, 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**
 - High Strength Low Alloy (HSLA) Steel per AWWA C111/A21.11
 - Size: 3" nominal pipe size = 5/8" – 11 UNC
4" – 24" nominal pipe size(s) = 3/4" – 10 UNC
30" – 36" nominal pipe size(s) = 1-0" – 8 UNC
42" – 48" nominal pipe size(s) = 1-1/4" – 7 UNC
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Nut**
 - HSLA Steel per AWWA C111/A21.11
 - Size: 3" nominal pipe size = 5/8" – 11 UNC, Heavy Hex Semi-Finished
4" – 24" nominal pipe size(s) = 3/4" – 10 UNC, Heavy Hex Semi-Finished
30" – 36" nominal pipe size(s) = 1-0" – 8 UNC, Heavy Hex Semi-Finished
42" – 48" nominal pipe size(s) = 1-1/4" – 7 UNC, Heavy Hex Semi-Finished

LISTINGS

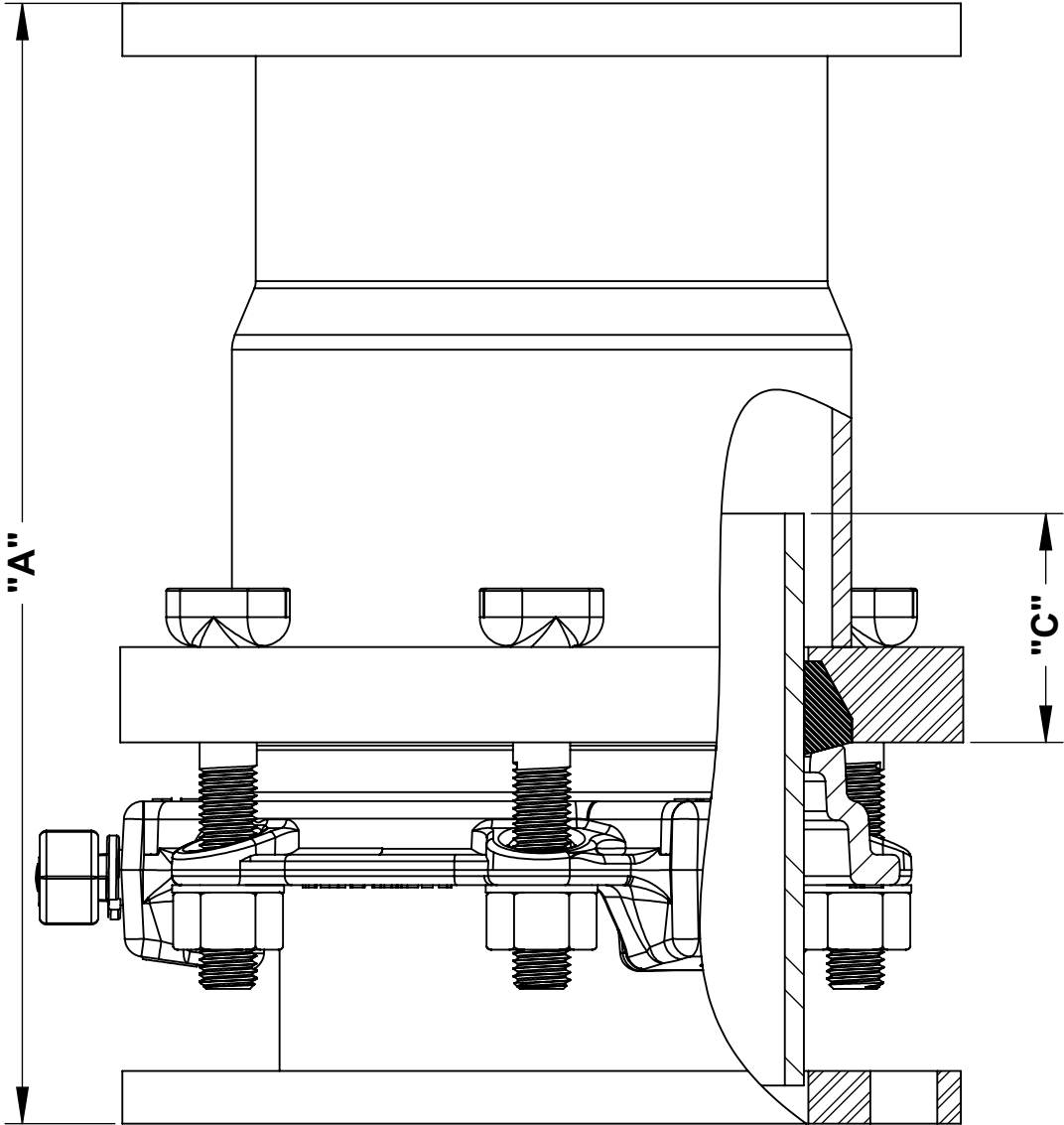
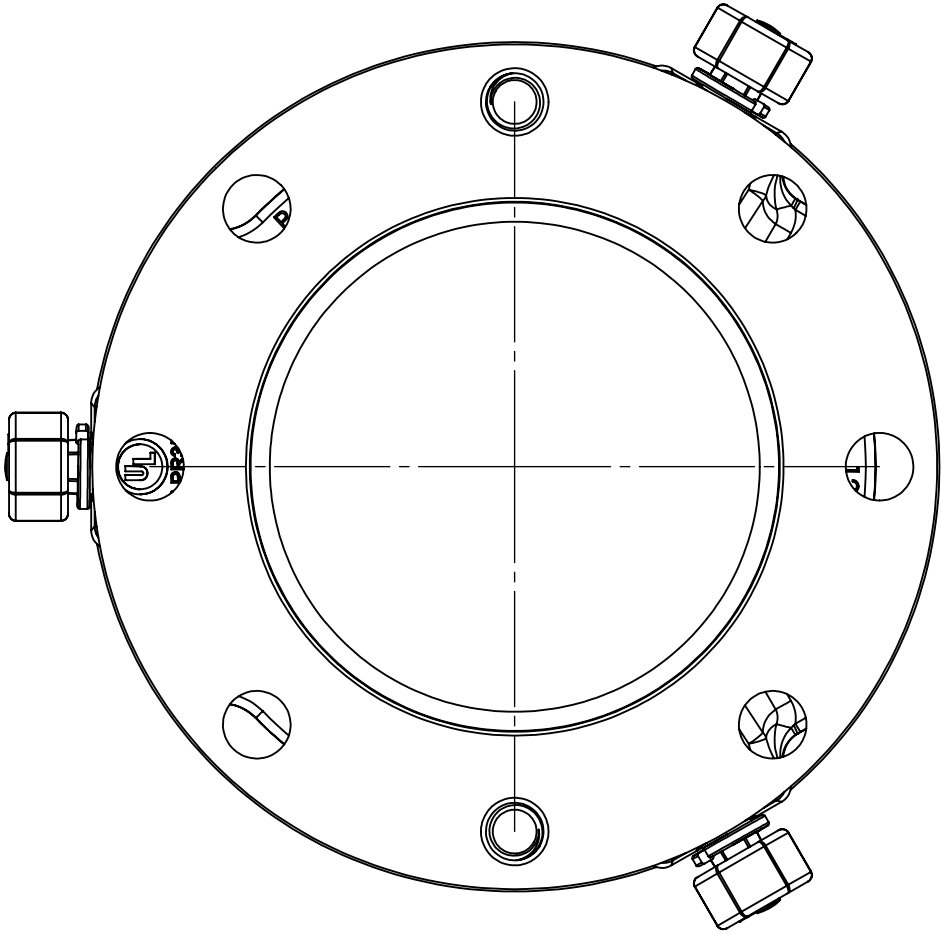
- Meets applicable portions of AWWA C219
- Fusion-Bonded Epoxy Coating meets requirements of AWWA C213

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
- Alternative gasket material (e.g. Buna-N, EPDM, etc.)
- Anode connector
- Higher working pressure design
- Custom flange to flange lengths
- Any industry standard flange
- Reducing joints

NOTES

- Flexi-Coat® is a registered trademark of Smith-Blair Inc.
- 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



NOM. PIPE SIZE	APPROX. WEIGHT (LBS)	A			C
		MINIMUM	NOMINAL	MAXIMUM	
3	32	12.50	13.50	14.50	3.00
4	48	12.50	13.50	14.50	
6	68	12.63	13.63	14.63	
8	88	16.00	17.00	18.00	
10	118	16.00	17.00	18.00	
12	160	16.13	17.13	18.13	
14	286	16.38	17.38	18.38	
16	345	19.75	20.75	21.75	
18	370	19.88	20.88	21.88	
20	448	20.25	21.25	22.25	
24	574	20.50	21.50	22.50	
30	1038	28.63	29.63	30.63	
36	1429	29.13	30.13	31.13	
42	2043	29.25	30.25	31.25	
48	2462	29.50	30.50	31.50	

- NOTES:
- SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
 - 6" STANDARD LENGTH DISMANTLING JOINT SHOWN OTHER SIZES SIMILAR
 - DIMENSION "C" MINIMUM RECOMMENDED PIPE INSERTION
 - SEE MODEL 923 AND 111 SPECIFICATIONS FOR ADDITIONAL DETAILS

TOLERANCES U.N.O. XX= ±.03 XXX= ±.015 FRACTIONS= ± ANGLES= ±1° MACH. FIN=	NOTES: REMOVE BURRS AND SHARP EDGES DO NOT SCALEDWG.	APP'D	DATE
		CK'D	DATE
	SCALE: N/A	DRN	CHD
ALL DIMENSIONS ARE IN INCHES.			DATE
TITLE			6/16/21
SPECIFICATION DISMANTLING JOINT (RESTRAINED) MODEL 973		P/N	
		N/A	
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS		SPEC_973.DRW	
		DWG. NO.	REV.
		1 OF 1 SHEET	6/16/21