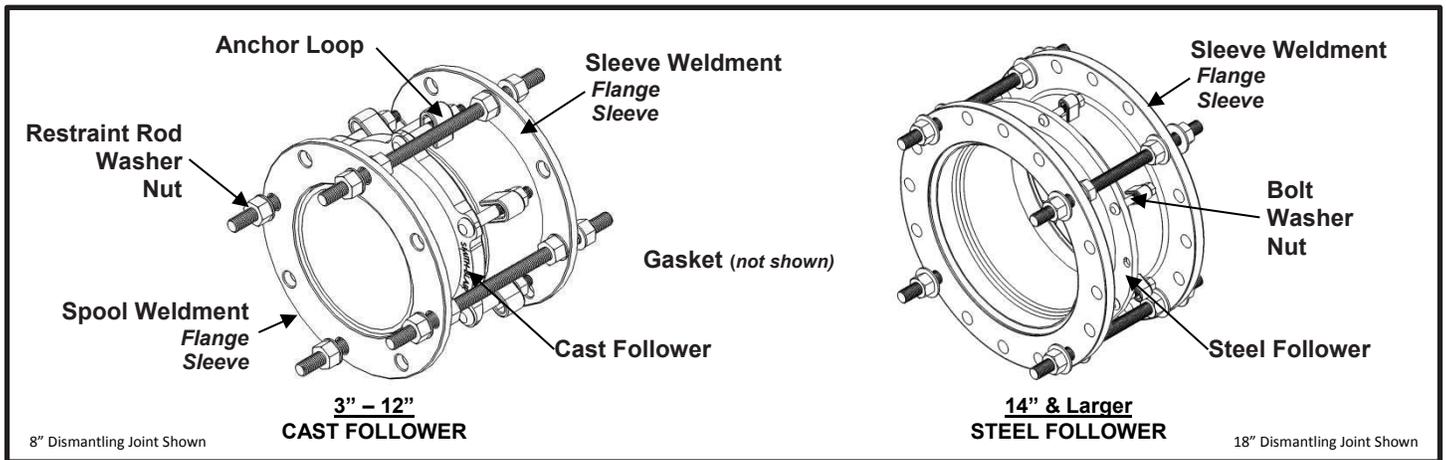


SPECIFICATION

DISMANTLING JOINT (RESTRAINED)

MODEL 975



APPLICATIONS

- **Typical Uses**
 - Joining and restraining flanged fittings, pumps, meters, valves, or other miscellaneous flanged service equipment
 - Ideal for connecting butterfly/wafer valves or pumps requiring service for maintenance
- **Standard Pipe Sizes**
 - 3" & Larger
- **Type of Pipe**
 - Any flanged pipe or fittings
- **Working Pressure**
 - 3" – 12" nominal pipe size(s) = 175 psi
 - 14" and greater nominal pipe size(s) = 150 psi
 - *See options for higher working pressure design*

MATERIALS

- **Followers**
 - **Cast Follower (3" – 12")**
 - Cast using Ductile Iron 65-45-12 per ASTM A536
 - Flexi-Coat® fusion bonded epoxy finish
 - Permanently marked with part number and pipe size range for proper selection
 - Integral bolt head pocket for one wrench installation
 - **Steel Follower (14" & Larger)**
 - Carbon Steel C1020 per ASTM A576 and A36
 - Flexi-Coat® fusion bonded epoxy finish
 - Integral bolt head pocket for one wrench installation
- **Sleeve Weldment**
 - **Sleeve**
 - Material: 3 - 5" nominal pipe size(s) = Carbon Steel per ASTM A513 or A53
 - 6" and larger nominal pipe size(s) = Carbon Steel per ASTM A283C
 - Flexi-Coat® fusion bonded epoxy finish
 - Larger O.D. sleeves provided with hanging ring(s) for ease of installation
 - **Flange**
 - Carbon Steel per ASTM A36
 - AWWA C207 Class D 150#

SPECIFICATION

DISMANTLING JOINT (RESTRAINED)

MODEL 975

- **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#
- **Gasket**
 - Nitrile (Buna-N) per ASTM D2000
 - Compounded to resist water, oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
 - Temperature range: -20°F to +180°F
- **Anchor Loop**
 - Carbon Steel per ASTM A36
- **Bolts**
 - High Strength Low Alloy (HSLA) Steel per AWWA C111/A21.11
 - 5/8"-11UNC, 4.50", Oval Neck Track Head
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Restraint Rod**
 - Carbon Steel per ASTM A193 B7
 - Sizes: 3" – 5" nominal pipe size(s) = 5/8"-11UNC, 14.00", All Thread
6" – 8" nominal pipe size(s) = 3/4"-10UNC, 16.00", All Thread
10" – 12" nominal pipe size(s) = 7/8"-9UNC, 17.00", All Thread
14" – 16" nominal pipe size(s) = 1"-8UNC, 20.00", All Thread
18" – 20" nominal pipe size(s) = 1-1/8"-8UN, 20.00", All Thread
24" – 30" nominal pipe size(s) = 1-1/4"-8UN, 22.00", All Thread
36" – 42" nominal pipe size(s) = 1-1/2"-UN, 23.00", All Thread
48" nominal pipe size(s) = 1-1/2"-8UN, 26.00", All Thread
54" nominal pipe size(s) = 1-3/4"-8UN, 26.00", All Thread
60" nominal pipe size(s) = 1-3/4"-8UN, 30.00", All Thread
66" – 72" nominal pipe size(s) = 1-3/4"-8UN, 33.00", All Thread
 - Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- **Nuts**
 - Carbon Steel per ASTM A194 Grade 2H
 - Sized to mating bolt/restraint rod
 - Heavy Hex Semi-Finished
- **Washers**
 - Carbon Steel per ASTM F844
 - Fe/Zn coated per ASTM F1941-10
 - Sized to mating bolt/restraint rod
 - Utilized to preserve corrosion resistance of epoxy coated surfaces and increase bearing surface



SPECIFICATION

DISMANTLING JOINT (RESTRAINED)

MODEL 975

LISTINGS

- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Meets applicable portions of AWWA C219
- Fusion-Bonded Epoxy Coating meets requirements of AWWA C213

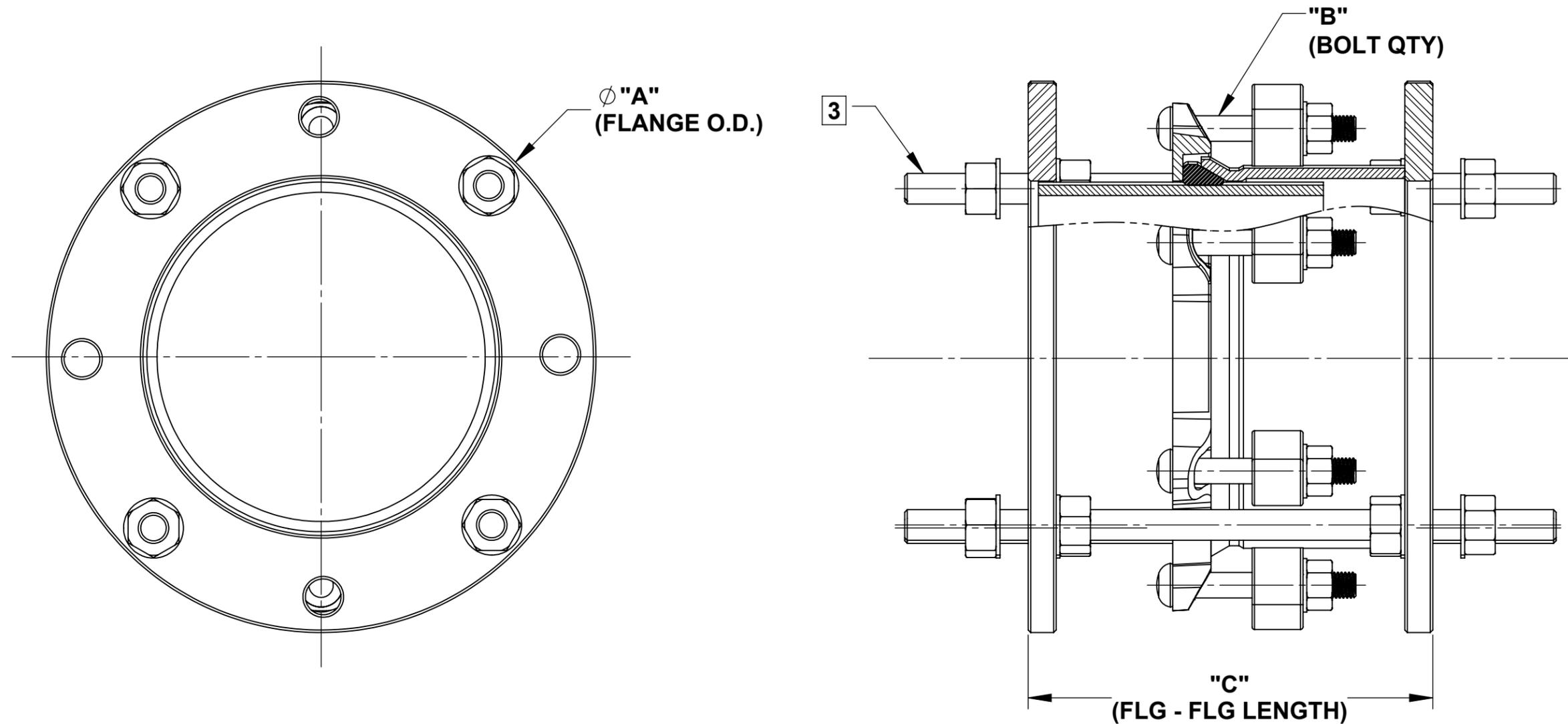
OPTIONS

- 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. Viton, EPDM, etc.)
- Anode connector
- Pipe stops incorporated into sleeve
- 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

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Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792



3" - 12" CAST FOLLOWER

NOTES:

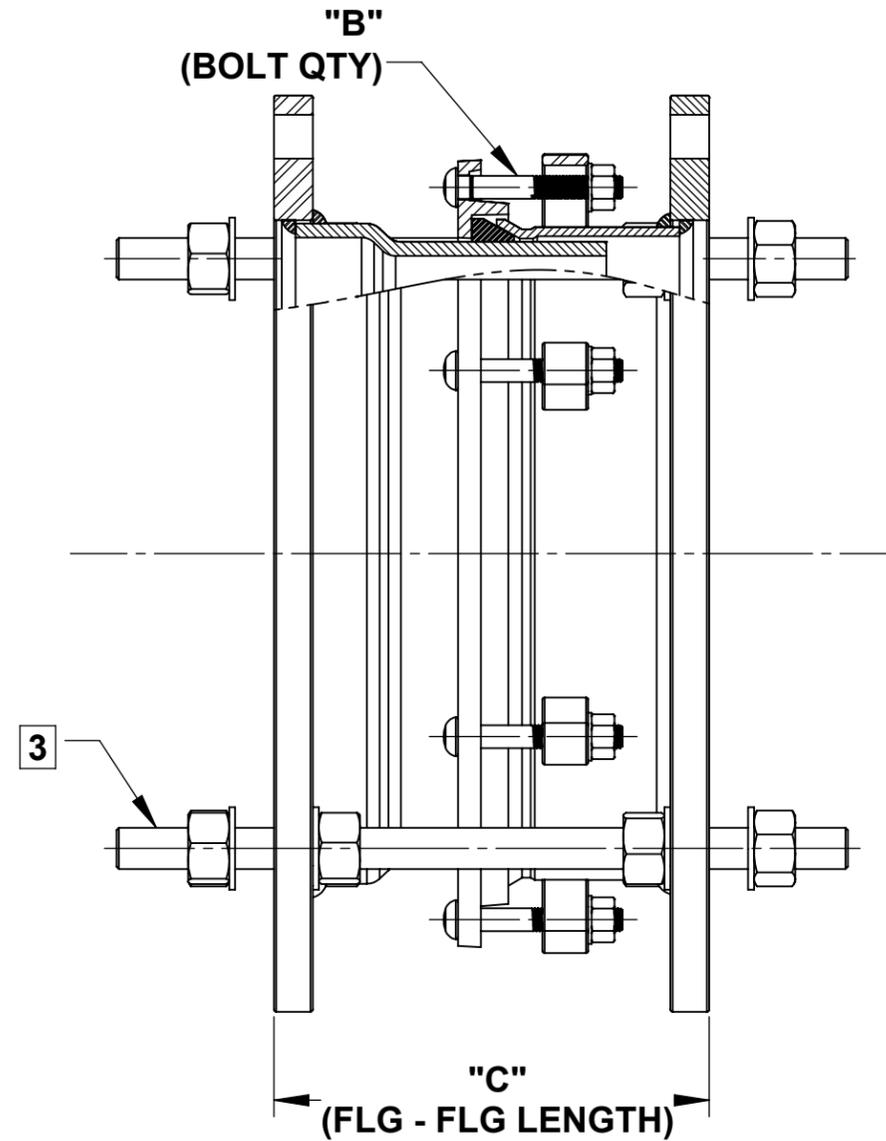
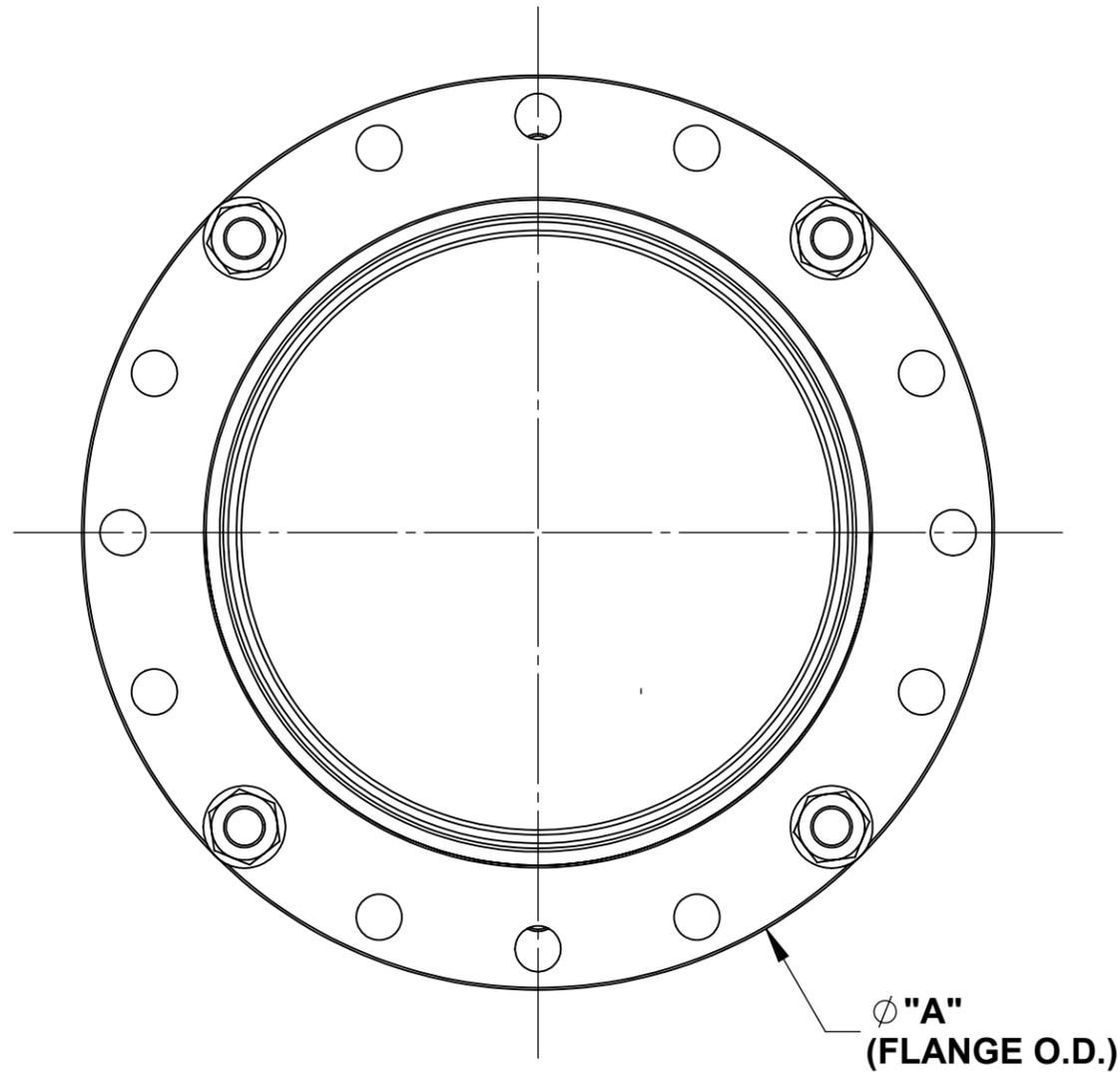
1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 8" STANDARD LENGTH DISMANTLING JOINT SHOWN OTHER SIZES SIMILAR
- 3 RESTRAINT ROD QTY BASED ON SYSTEM DESIGN WORKING PRESSURE

NOM. PIPE SIZE	APPROX. WEIGHT (LBS)	A	B	C		
				MINIMUM	NOMINAL	MAXIMUM
3	28	7.50	2	8.00	9.00	10.00
4	30	9.00	4			
6	48	11.00	6			
8	64	13.50	6	9.00	10.00	11.00
10	79	16.00	8			
12	116	19.00	8			

WRENCH SIZE CHART	
NUT	SIZE
5/8"-11UNC HH	1-1/16"
3/4"-10UNC HH	1-1/4"
7/8"-9UNC HH	1-7/16"
1"-8UNC HH	1-5/8"
1-1/8"-8UN HH	1-13/16"

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

TITLE SPECIFICATION DISMANTLING JOINT (RESTRAINED) MODEL 975	
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS	P/N N/A SPEC_975.DRW DWG. NO.
1 OF 2 SHEET	9/21/16 REV.



NOTES:

1. SEE SMITH-BLAIR CATALOG FOR ADDITIONAL DETAILS
2. 18" STANDARD LENGTH DISMANTLING JOINT SHOWN OTHER SIZES SIMILAR
- 3 RESTRAINT ROD QTY BASED ON SYSTEM DESIGN WORKING PRESSURE

14" & LARGER STEEL FOLLOWER

NOM. PIPE SIZE	APPROX. WEIGHT (LBS)	A	B	C		
				MINIMUM	NOMINAL	MAXIMUM
14	158	21.00	8	11.00	12.00	13.00
16	202	23.50				
18	221	25.00				
20	263	27.50				
24	340	32.00	10	12.00	13.00	14.00
30	510	38.75	14			
36	740	46.00	16			
42	970	53.00	18			
48	1215	59.50	20	12.00	13.00	14.00
54	1660	66.25	24			
60	2225	73.00	24			
66	2800	80.00	28			
72	3230	86.50	30	17.00	18.00	19.00

WRENCH SIZE CHART	
NUT	SIZE
5/8"-11UNC HH	1-1/16"
1-1/8"-8UN HH	1-13/16"
1-1/4"-8UN HH	2"
1-1/2"-8UN HH	3-3/8"
1-3/4"-8UN HH	2-3/4"

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
	SCALE: N/A	CK'D	DATE
		DRN	CHD

TITLE SPECIFICATION DISMANTLING JOINT (RESTRAINED) MODEL 975	
SMITH-BLAIR, Inc. TEXARKANA, ARKANSAS	P/N N/A SPEC_975.DRW DWG. NO.
2 OF 2 SHEET	9/21/16 REV.