

# Global-Flex Mfg.

1580 Charles Drive Redding, CA 96003

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## STYLE REJ SPOOL

HAND BUILT WIDE ARCH DESIGN  
EXPANSION JOINT “MADE IN USA”

**For demanding applications, and excessive pipe movements, Global-Flex Style REJ-Spool wide arch expansion joints provide greater flexibility and longer service life.**

Global-Flex style REJ expansion joints are the ultimate in quality hand-built construction. Premium grade elastomers provide long service life in the most demanding applications. For superior performance and pressure ratings Global-Flex style REJ expansion joints have a minimum *4 to 1 safety factor* built in to their rated operating pressures.

Global-Flex style REJ expansion joints offer an improved ‘wide arch’ design. Face-to-face measurements of the Global-Flex style REJ expansion joints are equal to that of standard or multi-arch joints, but will *accommodate much greater movements*.

The Global-Flex style REJ expansion joints are manufactured domestically, with premium grade materials. Construction consists of a tube, integral duck and rubber flanges, carcass, internal steel reinforcements, cover, and steel retaining rings. The tube consists of a single piece of leak proof lining extending flange-to-flange. Carcass construction is a strong, biasply, high-strength woven polyester fabric between the tube and cover. The fabric is thoroughly impregnated with a special friction compound to give maximum adhesion under pressure, vacuum, and stress conditions. Special steel rings imbedded in the carcass provide strength while under pressure or vacuum. Also the wide arch design provides a self-flushing profile, reducing turbulence, and sediment build-up



The Global-Flex style REJ comes standard with a chlorobutyl tube and a Hypalon cover. These elastomers provide excellent resistance against heat and a wide variety of fluids. The standard Hypalon cover, versus Hypalon paint, provides extra protection against abrasion, ozone, weathering, heat and many chemicals.

Other elastomers available are gum, natural rubber, EPDM, Nitrile, Neoprene, Viton, and Teflon. Galvanized steel split retaining rings are standard, but can also be ordered in stainless steel.

Global-Flex *Style REJ* are available in filled arches, multiple arches, sleeve type, tapered (eccentric or concentric) and offset constructions. Requirements of up to 50% greater pressures and/or temperatures up to 400 degrees F can also be accommodated. Global-Flex style REJ expansion joints can be manufactured in accordance with ASTM designation F1 123-87 and meet all USCG requirements for shipboard service. Control unit assemblies are always recommended in unanchored systems and in connection to spring mounted equipment. Properly installed, these units will protect against excessive elongation, and with optional sleeve, against over-compression—both of which can seriously damage rubber expansion joints.

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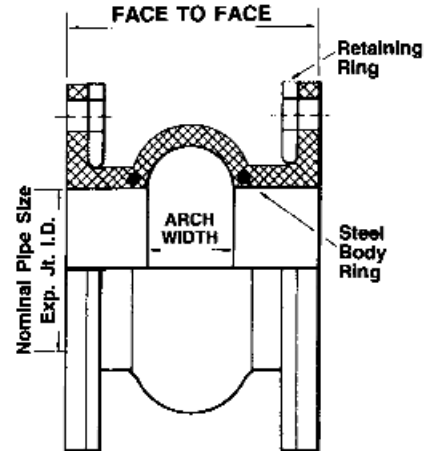
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## STYLE REJ SPOOL

**“MADE IN USA”**

### Hand-Built Wide Arch Expansion Joint

Global-Flex style REJ expansion joints are manufactured to meet or exceed the pressure, movement, and dimensional ratings of the Rubber Expansion Joint Division, Fluid Sealing Association.



## SPECIFICATIONS

### ALLOWABLE MOVEMENTS/WEIGHTS STYLE REJ SINGLE ARCH

SIZE	FACE TO FACE	WORKING PRESSURE	MOVEMENTS				WEIGHT (LBS) RINGS INCLUDED
			COMPRESSION (Inches)	ELONGATION (Inches)	LATERAL (Inches)	ANGULAR DEGREE	
2	6	225	1.75	.75	.75	35	8.0
2-1/2	6	225	1.75	.75	.75	30	10.0
3	6	225	1.75	.75	.75	30	11.5
4	6	225	1.75	.75	.75	25	15.5
5	6	225	1.75	.75	1.00	25	17.0
6	6	225	1.75	.75	1.00	20	20.0
8	6	225	1.75	.75	1.00	20	27.0
10	8	225	1.75	.75	1.00	15	39.0
12	8	225	1.75	.75	1.00	13	56.0
14	8	225	1.75	.75	1.00	11	65.0
16	8	160	1.75	.75	1.00	10	74.0
18	8	160	1.75	.75	1.00	9	85.0
20	8	130	1.75	.75	1.00	8	102.0
22	10	130	1.75	.75	1.00	7.8	114.0
24	10	130	1.75	1.00	1.00	7	125.0

STYLE REJ AVAILABLE IN SIZES UP TO 96" CONTACT GLOBAL-FLEX MFG

Temperature Limits for Continues Service		MINIMUM FACE -TO - FACE DIMENSIONS			
REJ	Temperature (deg F)	REJ SINGLE F/F (INCH)	REJ-D F/F (INCH)	REJ-T F/F (INCH)	
REJ HT	250 deg F	1/2 to 6	6	12	16
REJ V	300 deg F	8	6	12	18
	400 deg F	10	8	16	20
		12	8	16	20
		14 to 20	8	16	20
		22 to 30	10	16	22

ALL JOINTS ARE RATED FOR FULL VACUUM SERVICE