



# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

350 Rabro Drive 2101 W. Crescent Ave., Suite D  
 Hauppauge, NY 11788 Anaheim, CA 92801  
 631/348-0282 714/535-2727  
 FAX 631/348-0279 FAX 714/535-5738  
 Info@Mason-Ind.com Info@MasonAnaheim.com  
 Website: www.Mason-Ind.com

CERTIFIED FOR

JOB NAME \_\_\_\_\_

CUSTOMER \_\_\_\_\_

CUSTOMER P.O. \_\_\_\_\_

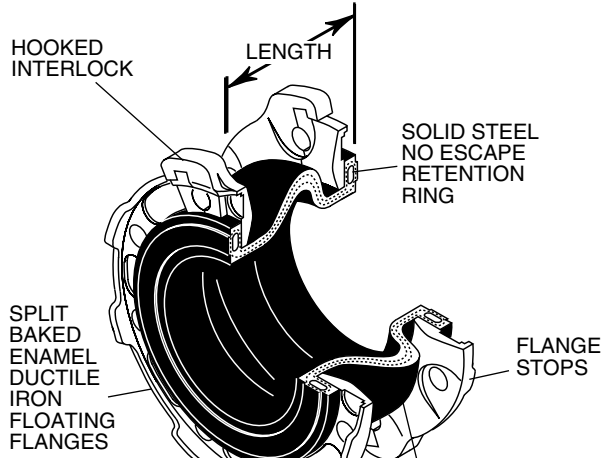
MASON M. \_\_\_\_\_

DWG No. \_\_\_\_\_

SAFEXLEX

# SFEJ

SINGLE SPHERE  
 EPDM CONNECTOR  
 & EXPANSION JOINT



- 150 lb ASA Drilling
- 300 lb ASA Drilling
- BRITISH Series E Drilling
- BRITISH Series F Drilling
- DIN or PIN-10
- DIN or PIN-16
- DIN or PIN-25

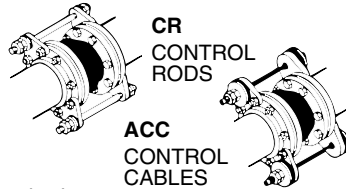
MULTI-LAYERED (DuPont Kevlar®) TIRE CORD FABRIC REINFORCEMENT WITH PEROXIDE CURED EPDM (DuPont Nordel) COVER, LINER AND FABRIC FRICTIONING

- CR Control Rods
- ACC Control Cables

If not all Peroxide Cured EPDM, Materials are—

Cover Liner

- Neoprene
- Natural Rubber
- Hypalon
- Nitrile (Buna N)
- EPDM



Nominal 250 psi **17 Bar** Standard Safeflex Connectors do not require control rods or cables in anti-vibration applications when pre-extended during installation in accordance with installation instructions.

Nominal 335 psi **23 Bar** Heavy Duty units should be installed with control rods or cables over 275 psi **19 Bar**.

When Expansion Joints are used for piping expansion or contraction, Anchors must be provided on both sides of the expansion joint at the extreme ends of the protected run or the joints will not function properly.

### SAFEXLEX SFEJ DIMENSIONS AND ALLOWABLE MOVEMENTS

Pipe Size (in) (mm)	Length (in) (mm)	Allowable Movements			
		Compression (in) (mm)	Elongation (in) (mm)	Transverse ±(in) (mm)	Angular (degrees)
1 1/2 40	4 100	5/8 16	1/2 12	3/8 9.5	21°
2 50					20°
2 1/2 65					19°
3 75					18°
4 100					17°
5 125	16°				
6 150	6 150	1 25	5/8 16	5/8 16	15°
8 200					14°
10 250					13°
12 300					12°
14 350	9 225	1 1/8 29	7/8 22	7/8 22	10°
16 400					9°
18 450					8°
20 500					7°
24 600					6°

### Standard and High Pressure Construction— SAFEXLEX SFEJ Pressure Reduction at Higher Temperatures

Construction & Sizes	Nominal Rating at:					Max. Vacuum (in Hg) (Minus Bar)
	170°F 77°C	190°F 88°C	210°F 99°C	230°F 110°C	250°F 121°C	
Standard 1 1/2" - 16" 40 - 400mm	250 psi 17 Bar	245 psi 16.5 Bar	235 psi 16 Bar	225 psi 15 Bar	215 psi 14 Bar	18" 0.6
Standard 18" - 24" 450 - 600mm	180 psi 12 Bar	175 psi 11.5 Bar	170 psi 11 Bar	165 psi 10.5 Bar	155 psi 10 Bar	18" 0.6
High Pressure 1 1/2" - 16" 40 - 400mm	335 psi 23 Bar	325 psi 22 Bar	315 psi 21 Bar	300 psi 20 Bar	285 psi 19 Bar	29" 1.0
High Pressure 18" - 24" 450 - 600mm	225 psi 15 Bar	220 psi 14.5 Bar	210 psi 14 Bar	200 psi 13.5 Bar	190 psi 13 Bar	29" 1.0

Burst pressures are a minimum of three times Operating Pressures.

### Pressure Ratings—

Nominal 250 psi **17 Bar** Standard  
 Nominal 335 psi **23 Bar** Heavy Duty      Okay for Full Vacuum

### CERTIFICATION DATA

QUANTITY REQUIRED	SAFEXLEX SFEJ SIZE	TAG

DWN	CHKD	DATE
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DWG No.
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