



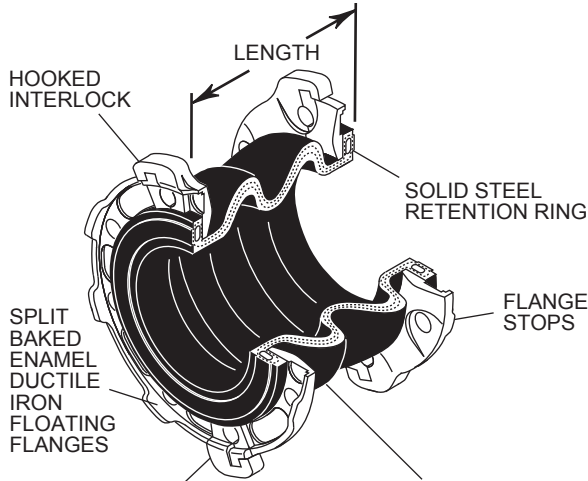
# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products  
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JOB NAME \_\_\_\_\_  
 CUSTOMER \_\_\_\_\_  
 CUSTOMER P.O. \_\_\_\_\_  
 MASON M.I. \_\_\_\_\_  
 DWG. NO. \_\_\_\_\_

# MFDEJ

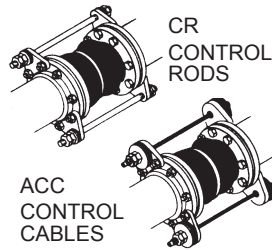
MASONFLEX  
 Double Sphere  
 Neoprene Connector  
 & Expansion Joint



- 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  
 KEVLAR® TIRE CORD  
 FABRIC REINFORCE-  
 MENT WITH NEOPRENE  
 COVER, LINER AND  
 FABRIC FRICTIONING

- CR Control Rods
- ACC Control Cables



If not all Neoprene,  
 Materials are—

- |                          |                          |                  |
|--------------------------|--------------------------|------------------|
| Cover                    | Liner                    |                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Neoprene         |
| <input type="checkbox"/> | <input type="checkbox"/> | Natural Rubber   |
| <input type="checkbox"/> | <input type="checkbox"/> | Hypalon          |
| <input type="checkbox"/> | <input type="checkbox"/> | Nitrile (Buna N) |
| <input type="checkbox"/> | <input type="checkbox"/> | EPDM             |

### MASONFLEX MFDEJ DIMENSIONS AND ALLOWABLE MOVEMENTS

Pipe (in)		Pipe (mm)		Allowable Movements			
Size (in)	Length (in)	Size (mm)	Length (mm)	Angular (degrees)	Compression (in) (mm)	Elongation (in) (mm)	Transverse ±(in) (mm)
1 1/2	6	40	150	30°	7/8 22	5/8 16	5/8 16
2		50		28°			
2 1/2		65		27°			
3	9	75	225	26°	1 1/8 29	7/8 22	7/8 22
4		100		25°			
5		125		24°			
6		150		23°			
8		200		22°			
10	12	250	300	21°	1 1/2 38	1 25	1 1/4 32
12		300		20°			

Connectors installed in piping systems that are anchored on both sides of the connectors need no control rods or cables. Piping movements must be within the tabulated allowables.

Use Control Rods above these pressures—

Pipe Size (in)	Pipe Size (mm)	Pressure (psi)	Pressure (Bar)
1 1/2 -10	40-250	180	12.4
12	300	120	8.2

Connectors installed on unanchored piping or connected to isolated equipment require control rods or cables for pressures higher than those tabulated to the right.

### MASONFLEX MFDEJ Temperature Corrections

Nominal Rating at:						Max. Vacuum (in Hg) (Minus Bar)
170°F 77°C	180°F 82°C	190°F 88°C	200°F 92°C	210°F 99°C	220°F 102°C	
225 psi 15.5 Bar	220 psi 15.2 Bar	215 psi 14.8 Bar	210 psi 14.5 Bar	205 psi 14.1 Bar	200 psi 13.8 Bar	10" 0.3

Burst pressures are a minimum of three times Operating Pressures.

Pressure Ratings— Nominal 225 psi 15.5 Bar Standard

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.

QUANTITY REQUIRED	MASONFLEX MFDEJ SIZE	TAG