

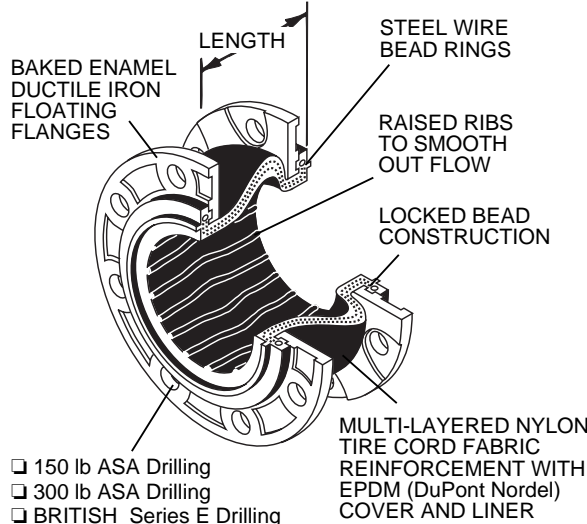


**MASON INDUSTRIES, Inc.**  
Manufacturers of Vibration Control Products

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CERTIFIED FOR \_\_\_\_\_  
JOB NAME \_\_\_\_\_  
CUSTOMER \_\_\_\_\_  
CUSTOMER P.O. \_\_\_\_\_  
MASON M. \_\_\_\_\_ DWG No. \_\_\_\_\_

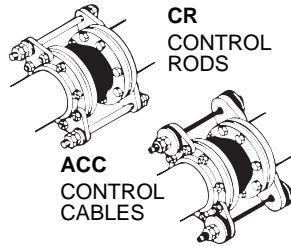
**SUPERFLEX**  
**MFNC**  
SINGLE SPHERE  
EPDM CONNECTOR  
& EXPANSION JOINT



- 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 NYLON  
TIRE CORD FABRIC  
REINFORCEMENT WITH  
EPDM (DuPont Nordel)  
COVER AND LINER

- 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 Superflex 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**.

**SUPERFLEX MFNC DIMENSIONS AND ALLOWABLE MOVEMENTS**

Superflex MFNC Size in mm	Length Face to Face in mm	Allowable Movements			
		Axial Compression in mm	Axial Elongation in mm	Transverse ±in ±mm	Angular degrees
1 1/2 <b>40</b>	4 <b>100</b>	5/8 <b>16</b>	3/8 <b>10</b>	3/8 <b>10</b>	20°
2 <b>50</b>		5/8 <b>16</b>	3/8 <b>10</b>	3/8 <b>10</b>	20°
2 1/2 <b>65</b>		5/8 <b>16</b>	3/8 <b>10</b>	3/8 <b>10</b>	20°
3 <b>75</b>		5/8 <b>16</b>	3/8 <b>10</b>	3/8 <b>10</b>	18°
4 <b>100</b>	4 <b>100</b>	7/8 <b>22</b>	3/8 <b>10</b>	3/8 <b>10</b>	17°
5 <b>125</b>		7/8 <b>22</b>	3/8 <b>10</b>	3/8 <b>10</b>	14°
6 <b>150</b>		7/8 <b>22</b>	3/8 <b>10</b>	3/8 <b>10</b>	12°
8 <b>200</b>	6 <b>150</b>	1 <b>25</b>	1/2 <b>13</b>	1/2 <b>13</b>	11°
10 <b>250</b>		1 <b>25</b>	1/2 <b>13</b>	5/8 <b>16</b>	9°
12 <b>300</b>		1 <b>25</b>	1/2 <b>13</b>	5/8 <b>16</b>	7°

**SUPERFLEX MFNC Standard and High Pressure Construction— 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" - 14" 40 - 350mm	250 psi 17 Bar	230 psi 16 Bar	210 psi 14 Bar	190 psi 13 Bar	170 psi 12 Bar	14" 0.5
High Pressure 1 1/2" - 14" 40 - 350mm	335 psi 23 Bar	310 psi 21 Bar	285 psi 19 Bar	260 psi 18 Bar	235 psi 16 Bar	22" 0.7

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

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.

**CERTIFICATION DATA**

QUANTITY REQUIRED	SUPERFLEX MFNC SIZE	TAG

DWN      CHKD      DATE

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