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

**CUSTOMER** \_\_\_\_\_

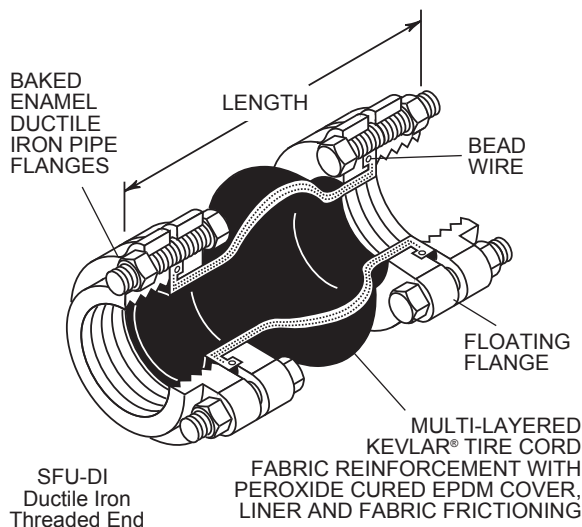
**CUSTOMER P.O.** \_\_\_\_\_

**MASON M.I.** \_\_\_\_\_

DWG. NO. \_\_\_\_\_

**SFU**

### SINGLE SPHERE EPDM EXPANSION JOINT



If not all EPDM, Materials are:

| Cover | Liner |
|-------|-------|
| 1     | 1     |
| 2     | 2     |
| 3     | 3     |
| 4     | 4     |
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| 98    | 98    |
| 99    | 99    |
| 100   | 100   |

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

## SAFEFLEX SFU DIMENSIONS AND ALLOWABLE MOVEMENTS

| Pipe<br>Size<br>(in) (mm)<br><br>Length<br>(in) (mm) |    |       | Allowable Movements      |                         |                          |                      |
|------------------------------------------------------|----|-------|--------------------------|-------------------------|--------------------------|----------------------|
|                                                      |    |       | Compression<br>(in) (mm) | Elongation<br>(in) (mm) | Transverse<br>±(in) (mm) | Angular<br>(degrees) |
| 3/4                                                  | 20 | 7 175 | 3/4 19                   | 3/8 10                  | 3/8 10                   | 25°                  |
| 1                                                    | 25 | 7 175 |                          |                         |                          | 24°                  |
| 1 1/4                                                | 32 | 8 200 |                          |                         |                          | 23°                  |
| 1 1/2                                                | 40 | 8 200 |                          |                         |                          | 22°                  |
| 2                                                    | 50 | 8 200 |                          |                         |                          | 21°                  |

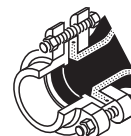
**SAFEFLEX SFU**

### Pressure Reduction at Higher Temperatures

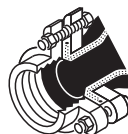
| Nominal Rating at: |                     |                   |                   |                   | Max. Vacuum<br>(in Hg)<br>(Minus Bar) |
|--------------------|---------------------|-------------------|-------------------|-------------------|---------------------------------------|
| 170°F<br>77°C      | 190°F<br>88°C       | 210°F<br>99°C     | 230°F<br>110°C    | 250°F<br>121°C    |                                       |
| 250 psi<br>17 Bar  | 245 psi<br>16.5 Bar | 235 psi<br>16 Bar | 225 psi<br>15 Bar | 215 psi<br>14 Bar | 18"<br>0.6                            |

Burst pressures are a minimum of three times Operating Pressures.

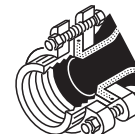
If not Ductile Iron, Ends are:



SFU-CT  
Sweat End  
for Copper  
Tubing



SFU-SS  
Stainless  
Steel  
Threaded  
End



SFU-BT  
Brass  
Threaded  
End

## CERTIFICATION DATA

[illegible]