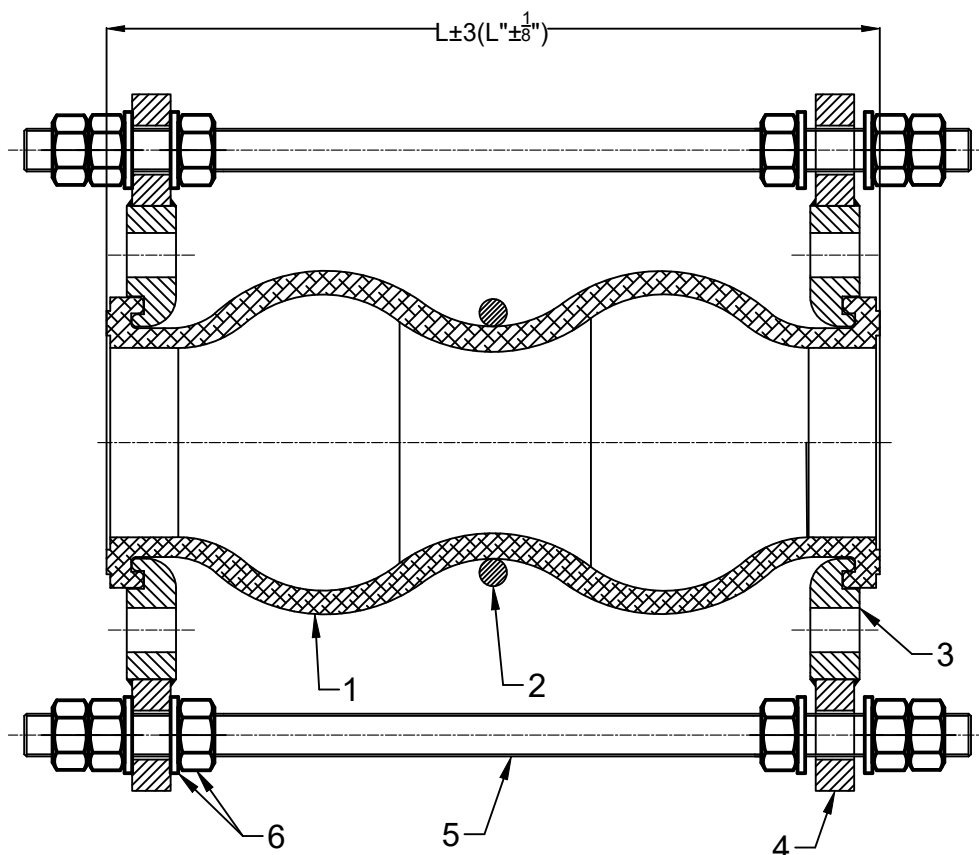




| NPS   | Size<br>(DN ) | Length<br>mm/inch | Working<br>Pressure<br>barg/PSig | Working<br>Temperature<br>°C/°F | Movement                   |                              |                    |         | Life Cycle | Flange Standard |
|-------|---------------|-------------------|----------------------------------|---------------------------------|----------------------------|------------------------------|--------------------|---------|------------|-----------------|
|       |               |                   |                                  |                                 | Axial Extension<br>mm/inch | Axial Compression<br>mm/inch | Lateral<br>mm/inch | Angular |            |                 |
| 1     | 25            | 127/5             | 16/232                           | 115/239                         | 25.4/1                     | 44.5/1.75                    | ±31.75/±1.25       | 25°     | Above 8000 | ANSI B 16.5#150 |
| 1 1/4 | 32            | 178/7             | 16/232                           | 115/239                         | 28.6/1.125                 | 50.8/2                       | ±44.2/±1.75        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 1 1/2 | 40            | 178/7             | 16/232                           | 115/239                         | 28.6/1.125                 | 50.8/2                       | ±44.2/±1.75        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 2     | 50            | 178/7             | 16/232                           | 115/239                         | 28.6/1.125                 | 50.8/2                       | ±44.2/±1.75        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 2 1/2 | 65            | 178/7             | 16/232                           | 115/239                         | 28.6/1.125                 | 50.8/2                       | ±44.2/±1.75        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 3     | 80            | 178/7             | 16/232                           | 115/239                         | 35/1.375                   | 50.8/2                       | ±44.2/±1.75        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 4     | 100           | 228.6/9           | 16/232                           | 115/239                         | 35/1.375                   | 50.8/2                       | ±39.7/±1.56        | 35°     | Above 8000 | ANSI B 16.5#150 |
| 5     | 125           | 228.6/9           | 16/232                           | 115/239                         | 35/1.375                   | 50.8/2                       | ±39.7/±1.56        | 30°     | Above 8000 | ANSI B 16.5#150 |
| 6     | 150           | 228.6/9           | 16/232                           | 115/239                         | 35/1.375                   | 50.8/2                       | ±39.7/±1.56        | 30°     | Above 8000 | ANSI B 16.5#150 |
| 8     | 200           | 330.2/13          | 16/232                           | 115/239                         | 35/1.375                   | 60.3/2.375                   | ±35/±1.375         | 20°     | Above 8000 | ANSI B 16.5#150 |
| 10    | 250           | 330.2/13          | 16/232                           | 115/239                         | 35/1.375                   | 60.3/2.375                   | ±35/±1.375         | 20°     | Above 8000 | ANSI B 16.5#150 |
| 12    | 300           | 330.2/13          | 16/232                           | 115/239                         | 35/1.375                   | 60.3/2.375                   | ±35/±1.375         | 20°     | Above 8000 | ANSI B 16.5#150 |
| 14    | 350           | 349.25/13.75      | 16/232                           | 115/239                         | 28.6/1.125                 | 39.7/1.56                    | ±28.6/±1.125       | 20°     | Above 8000 | ANSI B 16.5#150 |
| 16    | 400           | 349.25/13.75      | 16/232                           | 115/239                         | 28.6/1.125                 | 39.7/1.56                    | ±28.6/±1.125       | 20°     | Above 8000 | ANSI B 16.5#150 |
| 18    | 450           | 349.25/13.75      | 16/232                           | 115/239                         | 28.6/1.125                 | 39.7/1.56                    | ±28.6/±1.125       | 20°     | Above 8000 | ANSI B 16.5#150 |
| 20    | 500           | 349.25/13.75      | 16/232                           | 115/239                         | 28.6/1.125                 | 39.7/1.56                    | ±28.6/±1.125       | 20°     | Above 8000 | ANSI B 16.5#150 |
| 24    | 600           | 349.25/13.75      | 16/232                           | 115/239                         | 28.6/1.125                 | 39.7/1.56                    | ±28.6/±1.125       | 20°     | Above 8000 | ANSI B 16.5#150 |

## Notes :

1. Bellow Tolerance will be as per FSA USA Standard.
2. Flange drill dimension will be as per ANSI B16.5#150.
3. Matching flange should be of flat face .

## Testing :

1. Raw material check test for chemical composition and mechanical properties.
2. Dimension and visual check.

|        |              |          |      |
|--------|--------------|----------|------|
| 6      | Nut , Washer | SS 304   | AR   |
| 5      | Limit Rod    | SS 304   | AR   |
| 4      | Lugs         | SS 304   | AR   |
| 3      | Ring         | SS 304   | 1    |
| 2      | Flange       | SS 304   | 2    |
| 1      | Bellow       | EPDM     | 1    |
| Sl.No. | Description  | Material | Pcs. |

## Bill of Material

Title:-EPDM Twin Sphere Floating Flange Rubber Expansion Joint with SS304 Flanges

DRAWN BY  
CHECKED BY  
APPROVED BY  
SCALE: NTS

DATE

REV:- 00

OWNER :  
Easyflex / VibraSystems