



NPS	Size (DN)	Length mm/inch	Working Pressure barg/PSig	Working Temperature °C/°F	Movement				Life Cycle	Flange Standard
					Axial Extension mm/inch	Axial Compression mm/inch	Lateral mm/inch	Angular		
1	25	127/5	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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	20/290	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.

3	Ring	SS 304	1
2	Flange	IS 2062 Gr.B (Hot Dip Galvanized)	2
1	Bellow	EPDM	1
Sl.No.	Description	Material	Pcs.

Bill of Material

Title:-EPDM Twin Sphere Floating Flange Rubber Expansion Joint with IS 2062 Gr.B Flanges

DRAWN BY	
CHECKED BY	
APPROVED BY	
SCALE: NTS	
DATE	
REV:- 00	

OWNER :
Easyflex / VibraSystems