



# Single-Sphere Molded Rubber Expansion Joints (Series EFSS)



## FEATURES

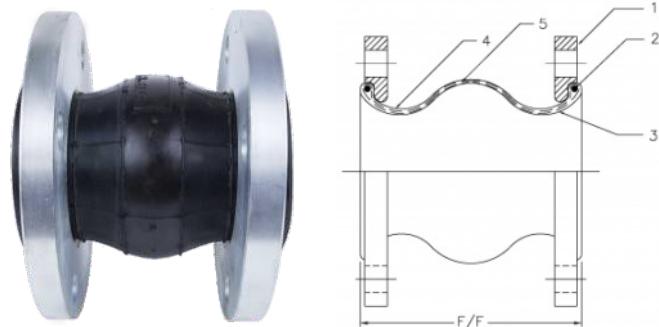
- Applicable for suction and delivery (discharge).
- Provides sound and vibration isolation.
- Gaskets and packing are not required.
- Floating flanges allow for easy installation.
- Prevents piping system and equipment breakdown by absorbing elongation and contraction caused by temperature variances.
- Absorbs water pulsation and minimizes water hammering.

## APPLICATIONS

- Pumps & air compressors in air conditioning system & sanitary equipment.
- Refrigeration systems and blowers in industrial plant equipment.
- Feed-water and drainage equipment in marine piping systems.
- Applicable for use in power generation and chemical plants.
- Marine applications

## OPERATING CONDITIONS

Size Range	1-1/2"-12"	14"-24"
Operating Pressure	up to 214 psi	up to 114 psi
Operating Temp. Range*	14°-170° F (Neoprene) 14°-170° F (Nitrile) 14°-210° F (EPDM)	14°-170° F (Neoprene) 14°-170° F (Nitrile) 14°-210° F (EPDM)
Burst Pressure	853 psi	340 psi
Vacuum Rating*	Contact Easyflex	Contact Easyflex



## MATERIALS

Part	Part Description	Material
1	Flanges	Carbon Steel Zinc Electroplated/Powder Coated
2	Reinforcing Wire	Mild Steel
3	Tube	Synthetic Rubber
4	Cover	Synthetic Rubber
5	Reinforcing Cord	Synthetic Fiber

## DIMENSION & ALLOWABLE MOVEMENTS

Size Inches	Size mm	Face To Face Dimensions		Face To Face Dimensions		B.H.C. Inches	B.H.C. mm	B.H.C. Inches	B.H.C. mm	Allowable Motion Ratings* Compression	Allowable Motion Ratings* Elongation	Allowable Motion Ratings* Lateral	Allowable Motion Ratings* Angular	Installation Tolerances Compression
		Face To Face Dimensions Inches	mm	Face To Face Dimensions mm	mm									
1-1/2	40	6	152.4	4.3	110					1/2"	3/8"	1/2"	15°	3/16"
2	50	6	152.4	1.9	125					1/2"	3/8"	1/2"	15°	3/16"
2-1/2	65	6	152.4	5.7	145					1/2"	3/8"	1/2"	15°	3/16"
3	80	6	152.4	6.3	160					1/2"	3/8"	1/2"	15°	3/16"
4	100	6	152.4	7.1	180					5/8"	3/8"	1/2"	15°	3/16"
5	125	6	152.4	8.3	210					5/8"	3/8"	1/2"	15°	3/16"
6	150	6	152.4	9.5	240					5/8"	3/8"	1/2"	15°	3/16"
8	200	6	152.4	11.6	295	12	295	5/8"	3/8"	1/2"	15°	3/16"		
10	250	8	203.2	13.8	350	14	355	5/8"	1/2"	3/4"	15°	3/16"		
12	300	8	203.2	15.8	400	16	410	3/4"	1/2"	3/4"	15°	3/16"		
14	350	8	203.2	18.1	460	19	470	3/4"	1/2"	3/4"	15°	3/16"		
16	400	8	203.2	20.3	515	21	525	3/4"	1/2"	3/4"	15°	3/16"		
18	450	8	203.2	22.2	565	23	585	3/4"	1/2"	3/4"	15°	3/16"		
20	500	8	203.2	24.4	620	26	650	3/4"	1/2"	3/4"	15°	3/16"		
24	600	10	254.0	28.5	725	30	770	3/4"	1/2"	3/4"	15°	3/16"		

Note: Customized for flanges ANSI-150, ANSI-300 and DIN

Warning: Do NOT elongate rubber expansion joints when installing for suction service.