

Single Sphere Rubber Expansion Joints



Flange X Flange

Product Features:

- Applicable for suction and 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 minimize water hammering.

Parts

- Flanges
- Reinforcing Wire
- Tube
- Reinforcing cord

Standard Material

- Carbon Steel
- Mild Steel
- Synthetic Rubber
- Synthetic Fiber



Applications:

- Pump & 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
- Mud system drilling industry

Dimension and Allowable Movements

Part #	Size	Face to face Dimension	Allowable Motion Rating*				Installation Tolerance			
			Compression	Elongation	Lateral	Angular	Compression	Elongation	Lateral	Angular
EJ-AMSBN 202	2"	6"	1/2"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 203	3"	6"	5/8"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 204	4"	6"	5/8"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 205	5"	6"	5/8"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 206	6"	6"	5/8"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 208	8"	6"	3/4"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 210	10"	8"	3/4"	1/2"	3/4"	15°	3/16"	1/8"	1/4"	5°
EJ-AMSBN 212	12"	8"	3/4"	1/2"	3/4"	15°	3/16"	1/8"	1/4"	5°

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

** Non Concurrent Ratings

Operating Conditions

Size Range	1 1/2' - 12'	14' - 24'
Operating Pressure	214 PSI	114 PSI
Operating Temperature Range*	14° - 180° F (NBR) 14° - 240° F (EPDM)	14° - 180° F (NBR) 14° - 240° F (EPDM)
Vacuum Rating	26" Hg	26" Hg
Burst Pressure	850 PSI	340 PSI

* Warning: Operating pressure listed in the above table are for up to 110 deg.F. (for NBR), and 125 deg. F. (for EPDM). For elevated temperature service, please contact sales for actual working pressure ratings.