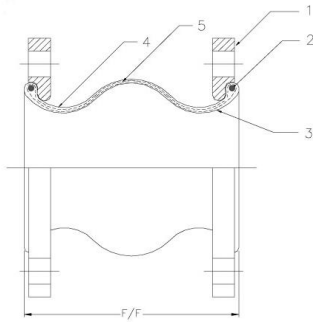


## AMS Series Single Sphere Expansion Joint



### 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 systems and equipment from breakdowns by absorbing elongations and contractions caused by temperature variances.
- Absorbs water pulsation and minimizes water hammering.

| Part No. | Nom. Size | Face to Face Dim. | Allowable Motion Ratings* |            |         |         | Installation Tolerances |            |         |         |
|----------|-----------|-------------------|---------------------------|------------|---------|---------|-------------------------|------------|---------|---------|
|          |           |                   | Compression               | Elongation | Lateral | Angular | Compression             | Elongation | Lateral | Angular |
| EJSS-015 | 1-1/2"    | 6"                | 1/2"                      | 3/8"       | 1/2"    | 15      | 3/16"                   | 1/8"       | 1/4"    | 5       |
| EJSS-020 | 2"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-025 | 2-1/2"    |                   |                           |            |         |         |                         |            |         |         |
| EJSS-030 | 3"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-040 | 4"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-050 | 5"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-060 | 6"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-080 | 8"        |                   |                           |            |         |         |                         |            |         |         |
| EJSS-100 | 10"       | 8"                | 3/4"                      | 1/2"       | 3/4"    | 15      | 3/16"                   | 1/8"       | 1/4"    | 5       |
| EJSS-120 | 12"       |                   |                           |            |         |         |                         |            |         |         |
| EJSS-140 | 14"       |                   |                           |            |         |         |                         |            |         |         |
| EJSS-160 | 16"       |                   |                           |            |         |         |                         |            |         |         |
| EJSS-180 | 18"       |                   |                           |            |         |         |                         |            |         |         |
| EJSS-200 | 20"       |                   |                           |            |         |         |                         |            |         |         |
| EJSS-240 | 24"       |                   |                           |            |         |         |                         |            |         |         |

**Warning:** Do not elongate rubber expansion joints when installing for suction service. \*Non Concurrent Ratings

| OPERATING CONDITIONS |                            |           | PART   | PART DESCRIPTION   | MATERIAL            |
|----------------------|----------------------------|-----------|--|--------------------|---------------------|
| Size Range           | 1-1/2" - 12"               | 14" - 24" | 1  | Flanges            | Mild Steel - Plated |
| Operating Pressure   | 214 PSI                    | 114 PSI   | 2  | Reinforcing Wire   | Mild Steel Strands  |
| Operating Temp       | 14° - 170°F (Neoprene)     |           | 3  | Tube               | Synthetic Rubber    |
| Range*               | 14° - 210°F (EPDM)         |           | 4  | Cover              | Synthetic Rubber    |
| Vacuum Rating        | Contact Morrill Industries |           | 5  | Reinforcing Fabric | Synthetic Fiber     |
| Burst Pressure       | 853 PSI                    | 340 PSI   | Flanges are available in other drillings and materials upon request. |                    |                     |

### Warning:

- Pressure ratings listed in above table are for up to 110°F for Neoprene and 125°F for EPDM.
- For elevated temperature service, please Morrill Industries for actual working pressure ratings.
- Limit rods are required in systems that are unanchored and recommended in all other applications.

### APPLICATIONS;

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

