



SERIES ASM

NEOPRENE/EPMD FLANGED SINGLE SPHERE CONNECTOR

Pressures to 225 PSIG (15.51 barg)
Temperatures to 230°F (110°C)

APPLICATIONS

- Process Industry
- Oil & Gas
- Weak Acids
- Water & Waste
- Alkalies
- Pump suction & discharge
- Compressed Air
- Sea water
- Pulp & Paper
- Chemical lines

MODELS

- ASM - Flanged Connection

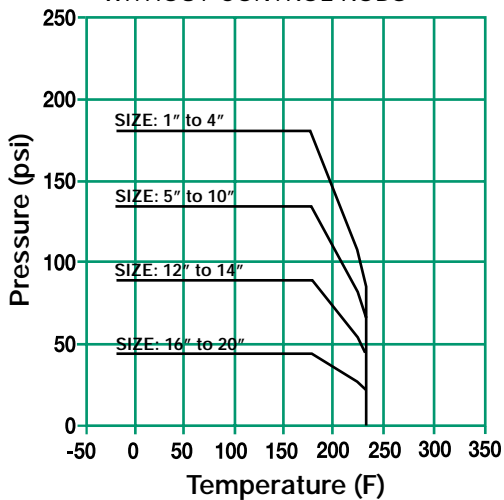
OPTIONS

- Control Rods

- For connection pipes and equipment where flanged ends are preferred
- Flat faced flanged single sphere connectors
- Easy to install floating flanges allow variable pressure, temperature and movement
- Increased acoustic resistance, dampens hydraulic surge and shock
- Accommodates thermal movement and misalignment
- Four way greater movement provides high level of installation flexibility
- Precision molded synthetic rubber reinforced with nylon cord
- Horizontal or vertical mounting

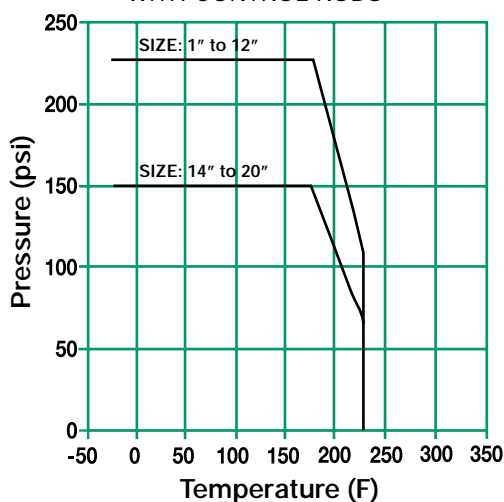
PRESSURE/TEMPERATURE RATINGS

WITHOUT CONTROL RODS

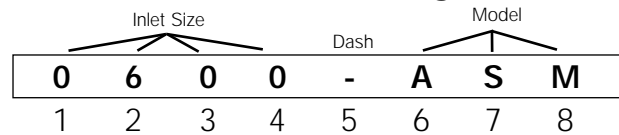


PRESSURE/TEMPERATURE RATINGS

WITH CONTROL RODS



Series ASM Ordering Code



Inlet Size* - Position 1 - 4

| | |
|------------|------------|
| 0100 - 1" | 0600 - 6" |
| 0125 - 1¼" | 0800 - 8" |
| 0150 - 1½" | 1000 - 10" |
| 0200 - 2" | 1200 - 12" |
| 0250 - 2½" | 1400 - 14" |
| 0300 - 3" | 1600 - 16" |
| 0400 - 4" | 1800 - 18" |
| 0500 - 5" | 2000 - 20" |

Dash - Position 5

Model - Position 6 - 8
ASM - Single Sphere,
FLG, CI, Neoprene

Part Numbers for Ordering Single Sphere Connector Control Rods

| ASM | |
|------|-------------|
| Size | Part Number |
| 1 | 0100-ASMROD |
| 1¼ | 0125-ASMROD |
| 1½ | 0150-ASMROD |
| 2 | 0200-ASMROD |
| 2½ | 0250-ASMROD |
| 3 | 0300-ASMROD |
| 4 | 0400-ASMROD |
| 5 | 0500-ASMROD |
| 6 | 0600-ASMROD |
| 8 | 0800-ASMROD |
| 10 | 1000-ASMROD |
| 12 | 1200-ASMROD |
| 14 | 1400-ASMROD |
| 16 | 1600-ASMROD |
| 18 | 1800-ASMROD |
| 20 | 2000-ASMROD |

Other sizes available. Consult factory.

SERIES ASM

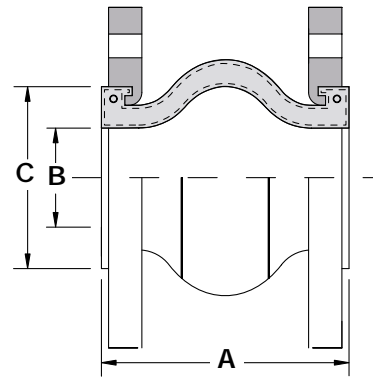
NEOPRENE/EPMD FLANGED SINGLE SPHERE CONNECTOR

SPECIFICATION

Single Sphere Connector body material shall be neoprene cover and tube elastomer with nylon cord fabric reinforcement. The single sphere connector will have Carbon Steel, Zinc Plated flanges and a hard steel wire frame. The twin sphere connector shall be SSI ASM Series.

MATERIALS OF CONSTRUCTION

BodyNeoprene
Reinforcing FabricNylon Cord Fabric
WireHard Steel Wire
Floating FlangesCarbon Steel Zinc Plated RST 37-2



Connections: 1" to 20" Flanged

Burst Pressure 850 PSIG

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

| Size | A | Allowable Movement | | | | B | C | Weight | |
|---------------------------------------|--|--------------------|-----------------|--------------------|--------------------|---|---|----------------|---------------|
| | | Axial Compression | Axial Extension | Lateral Deflection | Angular Deflection | | | Connector Only | With Rods |
| 1 (25) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 1 ¹¹ / ₃₂ (39) | 2 ⁵ / ₁₆ (75) | 5 (2.3) | 10 (4.7) |
| 1 ¹ / ₄ (32) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 1 ¹¹ / ₃₂ (39) | 2 ⁵ / ₁₆ (75) | 7 (3.2) | 10 (4.7) |
| 1 ¹ / ₂ (38) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 1 ¹¹ / ₃₂ (39) | 2 ⁵ / ₁₆ (75) | 8 (3.6) | 12 (5.4) |
| 2 (51) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 1 ²⁹ / ₃₂ (48) | 3 ⁵ / ₁₆ (86) | 11 (5.0) | 15 (7.0) |
| 2 ¹ / ₂ (64) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 2 ¹⁵ / ₃₂ (63) | 4 ⁵ / ₁₆ (105) | 11 (5.0) | 19 (8.7) |
| 3 (76) | 6 (152) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 2 ⁷ / ₁₆ (73) | 4 ²¹ / ₃₂ (118) | 13 (5.9) | 23 (10.4) |
| 4 (102) | 6 ¹ / ₈ (156) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 3 ¹⁵ / ₁₆ (100) | 5 ²⁷ / ₃₂ (148) | 17 (7.7) | 25 (11.4) |
| 5 (127) | 6 ¹ / ₈ (156) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 5 (127) | 7 ¹ / ₁₆ (178) | 21 (9.5) | 30 (13.6) |
| 6 (152) | 6 ¹ / ₈ (156) | 3/4 (19) | 15/32 (12) | 9/16 (14) | 19/32 (15) | 5 ²⁵ / ₃₂ (147) | 8 ³ / ₁₆ (210) | 25 (11.3) | 37 (16.8) |
| 8 (203) | 6 ¹ / ₈ (156) | 1 (25) | 15/32 (12) | 7/8 (22) | 19/32 (15) | 7 ²⁷ / ₃₂ (199) | 10 ¹ / ₄ (260) | 37 (16.8) | 53 (24.0) |
| 10 (254) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 9 ³ / ₄ (248) | 12 ¹¹ / ₁₆ (322) | 58 (26.3) | 82 (37.2) |
| 12 (305) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 11 ²⁷ / ₃₂ (296) | 14 ⁵ / ₁₆ (370) | 80 (36.3) | 109 (49.4) |
| 14 (356) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 13 ⁷ / ₃₂ (336) | 16 ¹ / ₄ (413) | 101 (45.8) | 138 (62.6) |
| 16 (406) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 15 ⁵ / ₃₂ (385) | 18 ³ / ₃₂ (464) | 127 (57.6) | 176 (79.8) |
| 18 (457) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 17 ⁷ / ₁₆ (440) | 20 ⁵ / ₁₆ (524) | 136 (61.7) | 183 (83.0) |
| 20 (508) | 8 (203) | 1 (25) | 5/8 (16) | 7/8 (22) | 19/32 (15) | 19 ⁹ / ₃₂ (490) | 22 ⁵ / ₁₆ (573) | 158 (71.7) | 212 (96.1) |

Other sizes available. Consult factory.

Dimensions are subject to change. Consult factory for certified drawings when required.

Installation Note:

For correct Installation & Maintenance instructions see page 244