



SERIES ATM

NEOPRENE FLANGED TWIN 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

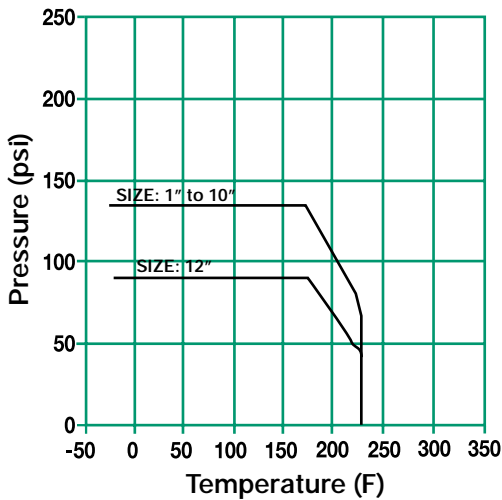
MODELS

- ATM - Flanged Connection

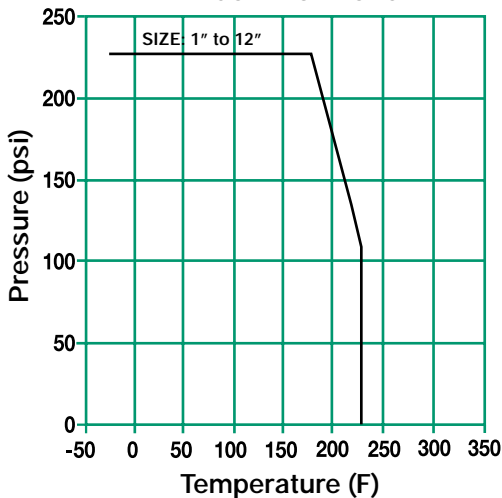
OPTIONS

- Control Rods

PRESSURE/TEMPERATURE RATINGS WITHOUT CONTROL RODS



PRESSURE/TEMPERATURE RATINGS WITH CONTROL RODS



- For connection pipes and equipment where flanged ends are preferred
- Flat faced flanged double 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

Series ATM Ordering Code

| Inlet Size | | | | Dash | Model | | |
|------------|---|---|---|------|-------|---|---|
| 0 | 6 | 0 | 0 | - | A | T | M |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| Inlet Size* - Position 1 - 4 | |
|------------------------------|------------|
| 0100 - 1" | 0400 - 4" |
| 0125 - 1¼" | 0500 - 5" |
| 0150 - 1½" | 0600 - 6" |
| 0200 - 2" | 0800 - 8" |
| 0250 - 2½" | 1000 - 10" |
| 0300 - 3" | 1200 - 12" |

| Dash - Position 5 |
|---|
| Model - Position 6 - 8 |
| ATM - Twin Sphere, FLG, CI, Neoprene |

Part Numbers for Twin Sphere Connector Control Rods

| ATM | |
|------|-------------|
| Size | Part Number |
| 1 | 0100-ATMROD |
| 1¼ | 0125-ATMROD |
| 1½ | 0150-ATMROD |
| 2 | 0200-ATMROD |
| 2½ | 0250-ATMROD |
| 3 | 0300-ATMROD |
| 4 | 0400-ATMROD |
| 5 | 0500-ATMROD |
| 6 | 0600-ATMROD |
| 8 | 0800-ATMROD |
| 10 | 1000-ATMROD |
| 12 | 1200-ATMROD |

Other sizes available. Consult factory.

SERIES ATM

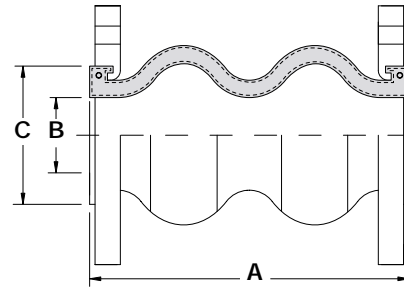
NEOPRENE FLANGED TWIN SPHERE CONNECTOR

SPECIFICATION

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

MATERIALS OF CONSTRUCTION

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



Connections: 1" to 12"

Burst Pressure 854 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) | 4 $\frac{1}{4}$ (121) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 1 $\frac{17}{32}$ (39) | 2 $\frac{61}{64}$ (75) | 5 (2.3) | 10.6 (4.8) |
| 1 $\frac{1}{4}$ (32) | 7 (178) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 1 $\frac{17}{32}$ (39) | 2 $\frac{61}{64}$ (75) | 5 (2.3) | 10.6 (4.8) |
| 1 $\frac{1}{2}$ (38) | 7 (178) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 1 $\frac{17}{32}$ (39) | 2 $\frac{61}{64}$ (75) | 5 (2.3) | 12.1 (5.5) |
| 2 (51) | 7 (178) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 1 $\frac{29}{32}$ (48) | 3 $\frac{11}{32}$ (85) | 8 (3.6) | 15.9 (7.2) |
| 2 $\frac{1}{2}$ (64) | 7 (178) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 2 $\frac{15}{32}$ (63) | 4 $\frac{1}{8}$ (105) | 10 (4.5) | 19.6 (8.9) |
| 3 (76) | 7 (178) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{16}$ (27) | 1 $\frac{25}{32}$ (45) | 1 $\frac{19}{32}$ (40) | 2 $\frac{1}{8}$ (73) | 4 $\frac{21}{32}$ (118) | 13 (5.9) | 23.1 (10.5) |
| 4 (102) | 9 (229) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{32}$ (31) | 1 $\frac{19}{32}$ (40) | 1 $\frac{3}{8}$ (35) | 3 $\frac{15}{16}$ (100) | 5 $\frac{27}{32}$ (148) | 19 (8.6) | 26.7 (12.1) |
| 5 (127) | 9 (229) | 2 $\frac{3}{32}$ (53) | 1 $\frac{1}{32}$ (31) | 1 $\frac{19}{32}$ (40) | 1 $\frac{3}{8}$ (35) | 5 (127) | 7 (178) | 22 (10.0) | 31.5 (14.3) |
| 6 (152) | 9 (229) | 2 $\frac{1}{16}$ (65) | 1 $\frac{1}{32}$ (31) | 1 $\frac{19}{32}$ (40) | 1 $\frac{3}{8}$ (35) | 5 $\frac{25}{32}$ (147) | 8 $\frac{5}{32}$ (210) | 27 (12.2) | 39.2 (17.8) |
| 8 (203) | 13 (330) | 2 $\frac{1}{16}$ (65) | 1 $\frac{3}{16}$ (30) | 1 $\frac{3}{8}$ (35) | 1 $\frac{3}{8}$ (30) | 7 $\frac{27}{32}$ (199) | 10 $\frac{1}{4}$ (260) | 42 (19.0) | 59.5 (27.0) |
| 10 (254) | 13 (330) | 2 $\frac{1}{16}$ (65) | 1 $\frac{3}{16}$ (30) | 1 $\frac{3}{8}$ (35) | 1 $\frac{3}{8}$ (30) | 9 $\frac{3}{4}$ (248) | 12 $\frac{11}{16}$ (322) | 58 (26.3) | 88 (39.9) |
| 12 (305) | 13 (330) | 2 $\frac{1}{16}$ (65) | 1 $\frac{3}{16}$ (30) | 1 $\frac{3}{8}$ (35) | 1 $\frac{3}{8}$ (30) | 11 $\frac{21}{32}$ (296) | 14 $\frac{1}{16}$ (370) | 84 (38.1) | 117.9 (53.5) |

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