

### APPLICATIONS:

- ▶ Exhaust Systems
  - ▶ Marine Propulsion
  - ▶ Diesel Engines
  - ▶ Generator Sets
  - ▶ Gas Turbines
- ▶ Piping System Growth



### MARKETS SERVED:

- ▶ Marine / Ship Building
- ▶ OEM Equipment
- ▶ Power Generation
- ▶ Railroad
- ▶ Wastewater Treatment



## 10MC Series FEATURES & BENEFITS

- ▶ Single-Ply construction
- ▶ Easier Movement
- ▶ Greater Vibration Absorption
- ▶ Shorter OAL
- ▶ Internal Stainless Steel Liner (Optional)
- ▶ Fixed by Floating Flange (Optional)
- ▶ Long Life - 10,000 plus cycles
- ▶ Less force to actuate
- ▶ Reduces system stress & noise
- ▶ Saves space, reduces weight & eases installation
- ▶ Temperature reduction on the bellows for longer product life
- ▶ Quick bolt hole alignment

### 10MC Series Standard Sizes

| Pipe I.D. *<br>(in.) | O.A.L. (in.) |              |                         |                  | Total Movement |               | Spring Rates   |                  |
|----------------------|--------------|--------------|-------------------------|------------------|----------------|---------------|----------------|------------------|
|                      | Part Number  | Fixed Flange | Fixed x Floating Flange | Sch Std Weld End | Axial (in.)    | Lateral (in.) | Axial (lbs/in) | Lateral (lbs/in) |
| 4"                   | F04010MCS    | 7-1/2"       | 6-1/2"                  | 10"              | 0.5            | 0.125         | 202            | 508              |
|                      | F04010MCL    | 11"          | 10"                     | 13-1/2"          | 1              | 0.5           | 107            | 76               |
| 5"                   | F05010MCS    | 8-1/4"       | 7-3/8"                  | 10-3/4"          | 1              | 0.187         | 285            | 683              |
|                      | F05010MCL    | 11-1/2"      | 10-5/8"                 | 14"              | 1.75           | 0.75          | 171            | 160              |
| 6"                   | F06010MCS    | 8-1/4"       | 7-3/8"                  | 10-3/4"          | 0.75           | 0.125         | 210            | 820              |
|                      | F06010MCL    | 9-5/8"       | 8-3/4"                  | 12-1/8"          | 1.5            | 0.5           | 163            | 382              |
| 8"                   | F08010MCS    | 8"           | 7-3/8"                  | 10-1/2"          | 1.06           | 0.187         | 358            | 2555             |
|                      | F08010MCL    | 11-5/8"      | 11"                     | 14-1/8"          | 1.75           | 0.375         | 199            | 438              |
| 10"                  | F10010MCS    | 8-7/16"      | 7-13/16"                | 10-15/16"        | 0.88           | 0.093         | 329            | 3060             |
|                      | F10010MCL    | 12-5/16"     | 11-11/16"               | 14-13/16"        | 1.5            | 0.375         | 183            | 525              |
| 12"                  | F12010MCS    | 8-7/16"      | 7-13/16"                | 12-15/16"        | 0.88           | 0.093         | 343            | 4335             |
|                      | F12010MCL    | 12-5/16"     | 11-11/16"               | 16-3/16"         | 1.25           | 0.375         | 190            | 743              |
| 14"                  | F14010MCS    | 8-1/16"      | 7-7/16"                 | 12-9/16"         | 0.88           | 0.093         | 660            | 9897             |
|                      | F14010MCL    | 11-13/16"    | 11-3/16"                | 16-5/16"         | 1.75           | 0.375         | 367            | 1679             |
| 16"                  | F16010MCS    | 8-1/16"      | 7-7/16"                 | 12-9/16"         | 0.88           | 0.062         | 643            | 13712            |
|                      | F16010MCL    | 11-13/16"    | 11-3/16"                | 16-5/16"         | 1.5            | 0.312         | 357            | 2371             |
| 18"                  | F18010MCS    | 8-1/16"      | 7-1/2"                  | 12-9/16"         | 0.94           | 0.062         | 743            | 19701            |
|                      | F18010MCL    | 11-13/16"    | 11-1/4"                 | 16-5/16"         | 1.56           | 0.312         | 413            | 3407             |
| 20"                  | F20010MCS    | 8-1/8"       | 7-5/8"                  | 12-5/8"          | 1              | 0.062         | 848            | 27349            |
|                      | F20010MCL    | 11-3/4"      | 11-1/4"                 | 16-1/4"          | 1.75           | 0.312         | 471            | 4690             |
| 22"                  | F22010MCS    | 8-1/8"       | 7-5/8"                  | 12-5/8"          | 1              | 0.062         | 903            | 34870            |
|                      | F22010MCL    | 11-3/4"      | 11-1/4"                 | 16-1/4"          | 1.56           | 0.312         | 502            | 5979             |
| 24"                  | F24010MCS    | 9"           | 8-5/8"                  | 13-1/2"          | 1.13           | 0.062         | 842            | 31901            |
|                      | F24010MCL    | 12-3/4"      | 12-3/8"                 | 17-1/4"          | 2              | 0.312         | 505            | 6000             |
| 30"                  | F30010MCS    | 9"           | 8-5/8"                  | 13-1/2"          | 1              | 0.062         | 843            | 22259            |
|                      | F30010MCL    | 12-3/4"      | 12-3/8"                 | 17-1/4"          | 1.5            | 0.125         | 468            | 3816             |
| 36"                  | F36010MCS    | 9"           | 8-5/8"                  | 13-1/2"          | 1              | 0.062         | 1072           | 34580            |
|                      | F36010MCL    | 12-3/4"      | 12-3/8"                 | 17-1/4"          | 1.5            | 0.125         | 596            | 5929             |

- ▶ Single-Ply Design
- ▶ Longer Life Than OEM - 10,000+ Cycles
- ▶ No Minimum Order
- ▶ Quick shipment of standard sizes
- ▶ Volume Discounts Available for Stocking / Fabricating Distributors
- ▶ Standard or custom lengths and end configurations available

**Pressure Rating: 36 PSI at 70°F or 18 PSI at 1000°F**

Please contact factory for other ratings

\*Contact factory for larger diameters (Up to 42")

**ABS Certification Number  
14-HS1275455-PDA**

