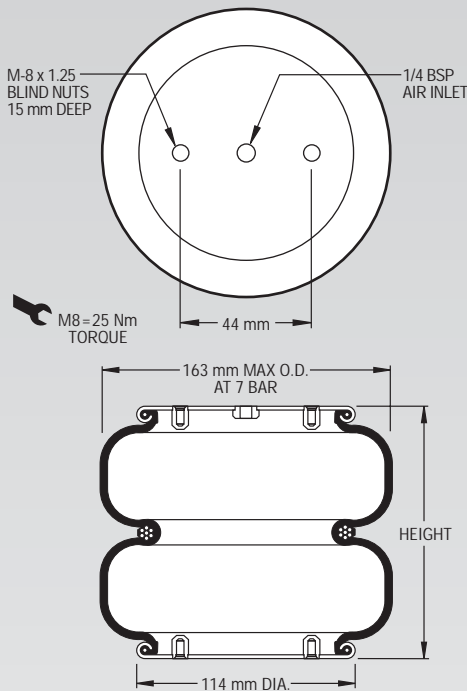


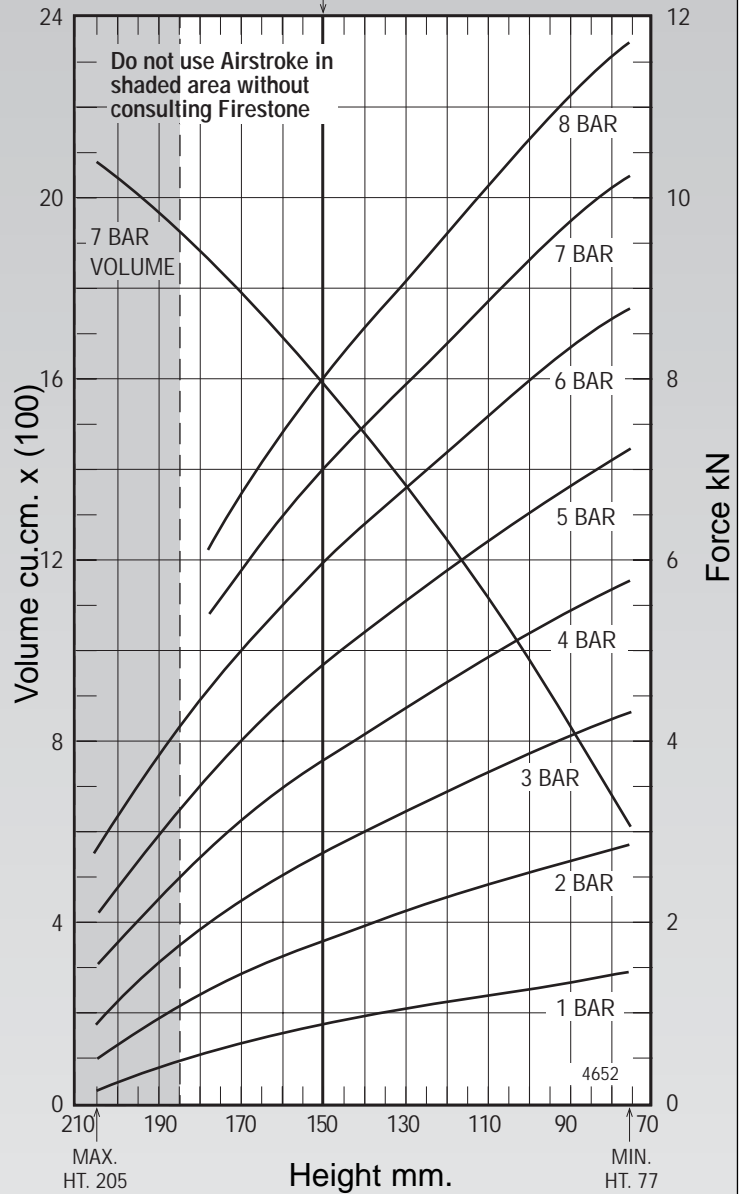
**NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.**

|   | Description   | Assembly Order No. |
|---|---|--------------------|
| Style   | Blind nuts, 1/4 BSP   | W01-M58-6105       |
| 255-1.5                                       | Socket head aluminum bead rings (bolts, nuts, washers not included, use cap screws) | SEE NOTE BELOW     |
| Two Ply Bellows                               |   |                    |
| Assembly weight .....                         |   | 1.7 kg.            |
| Force to collapse to minimum height (@ 0 BAR) |   | 190 N.             |



RECOMMENDED  
AIRMOUNT  
DESIGN HEIGHT  
150 mm.

**Static Data**  
4652



**NOTE: A bead plate part is shown. This part is also available with bead rings. Bolts are not included. See pages 8-10 for explanation.**

See page 12 for instructions on how to use chart.

| Dynamic Characteristics at 150 mm Design Height<br>(Required for Airmount isolator design only) |           |                    |                      |
|---|-----------|--------------------|----------------------|
| Gauge Pressure (BAR)  | Load (kN) | Spring Rate (kN/m) | Natural Frequency Hz |
| 3   | 2.71      | 59                 | 2.33                 |
| 4   | 3.75      | 73                 | 2.21                 |
| 5   | 4.83      | 90                 | 2.16                 |
| 6   | 5.98      | 106                | 2.11                 |
| 7   | 7.00      | 121                | 2.08                 |

| Force Table (Use for Airstroke™ actuator design) |                        |                          |          |         |         |         |         |
|--|------------------------|--------------------------|----------|---------|---------|---------|---------|
| Assembly Height (mm)                             | Volume @ 7 BAR (cu cm) | EFF Area @ 7 BAR (cm sq) | kN Force |         |         |         |         |
|  |                        |                          | @ 3 BAR  | @ 4 BAR | @ 5 BAR | @ 6 BAR | @ 7 BAR |
| 180  | 1896                   | 74                       | 1.91     | 2.71    | 3.49    | 4.40    | 5.19    |
| 160  | 1708                   | 92                       | 2.51     | 3.46    | 4.41    | 5.47    | 6.43    |
| 140  | 1491                   | 106                      | 3.01     | 4.09    | 5.18    | 6.37    | 7.43    |
| 120  | 1255                   | 119                      | 3.44     | 4.64    | 5.85    | 7.15    | 8.33    |
| 100  | 992                    | 132                      | 3.84     | 5.16    | 6.49    | 7.92    | 9.23    |
| 80   | 703                    | 144                      | 4.22     | 5.65    | 7.08    | 8.62    | 10.06   |