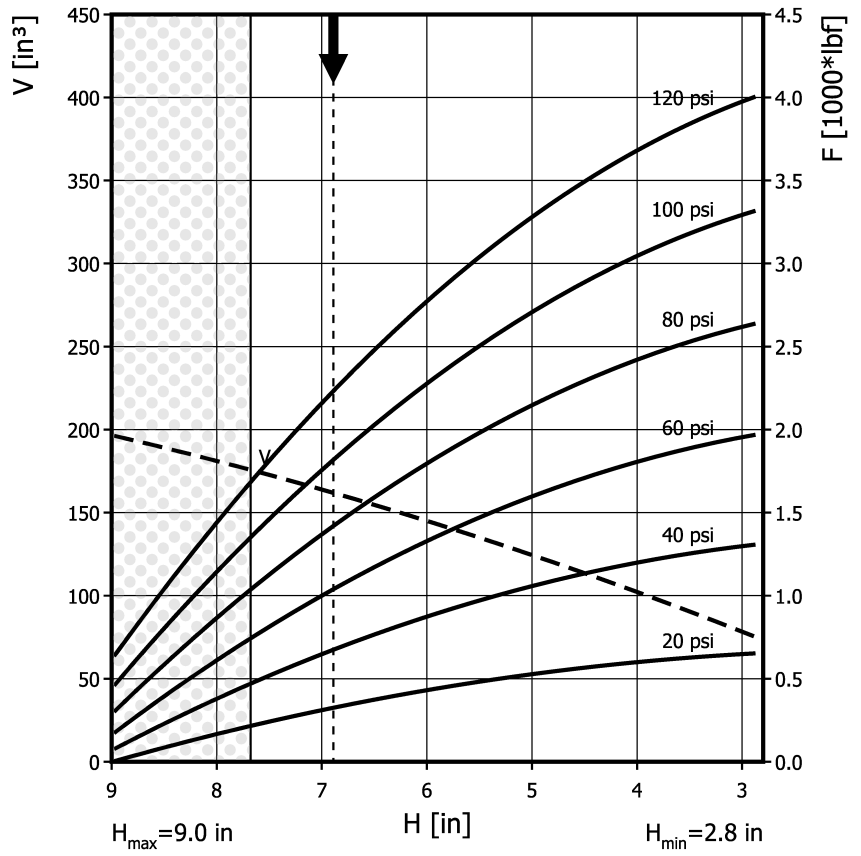
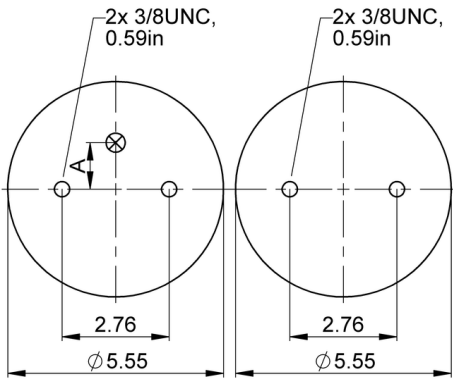
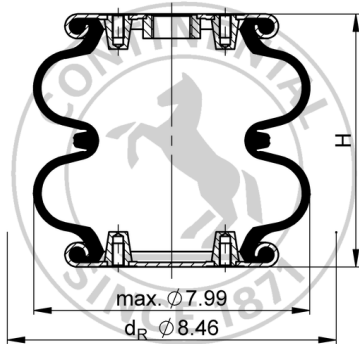


FD 110-15 CI

Double Convolution Air Actuator



Use in dotted range >7.68 in. only after consultation with ContiTech
 Recommended height for vibration isolation: 6.89 in.

Purchase order data

| Type | Order No. |
|--|-----------|
| rubber bellows only | 61193 |
| with crimped plates A = 0 in. excentrical | 74568 |
| with crimped plates, 3/4 NPT air inlet A = 0 in. excentrical | 74590 |

Additional types on request

Technical data

| | |
|----------------------------|----------|
| Min. pressure | 0 psi |
| Return force to min height | ≤ 45 lbf |
| Overall weight | 4.6 lb |

Vibration isolation - dynamic characteristic values

Design height H: recommended 6.89 inch, minimum 6.1 inch

| Pressure p [psi] | 40 | 60 | 80 | 100 | 120 | Vol. V [in.³] |
|------------------------|-----|------|------|------|------|---------------|
| Force (Load) [lbf] | 694 | 1090 | 1470 | 1840 | 2240 | |
| Spring rate [lbf/in.] | 376 | 542 | 704 | 867 | 1020 | |
| Natural frequency [Hz] | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | |

Pneumatic application - static characteristic values

Force F [lbf]

| Pressure p [psi] | 40 | 60 | 80 | 100 | 120 | Vol. V [in.³] | |
|------------------|-----|------|------|------|------|---------------|------|
| Height H [in.] | 7.0 | 666 | 1020 | 1400 | 1790 | | 2200 |
| | 7.5 | 547 | 849 | 1170 | 1510 | | 1870 |
| | 6.5 | 772 | 1180 | 1610 | 2040 | | 2500 |
| | 6.0 | 872 | 1330 | 1790 | 2270 | | 2770 |
| | 5.5 | 958 | 1460 | 1960 | 2480 | | 3010 |
| | 5.0 | 1030 | 1570 | 2110 | 2650 | | 3210 |
| | 4.5 | 1100 | 1670 | 2240 | 2830 | | 3430 |
| | 4.0 | 1180 | 1790 | 2400 | 3030 | | 3660 |
| | 3.5 | 1260 | 1890 | 2540 | 3190 | | 3850 |

Measuring procedure: Room temperature / Force-height-data quasistatic / Dynamic data at 1 Hz



Service instructions
 3/8-16 UNC: max. 20 lbf ft
 3/4 NPT: max. 40 lbf ft