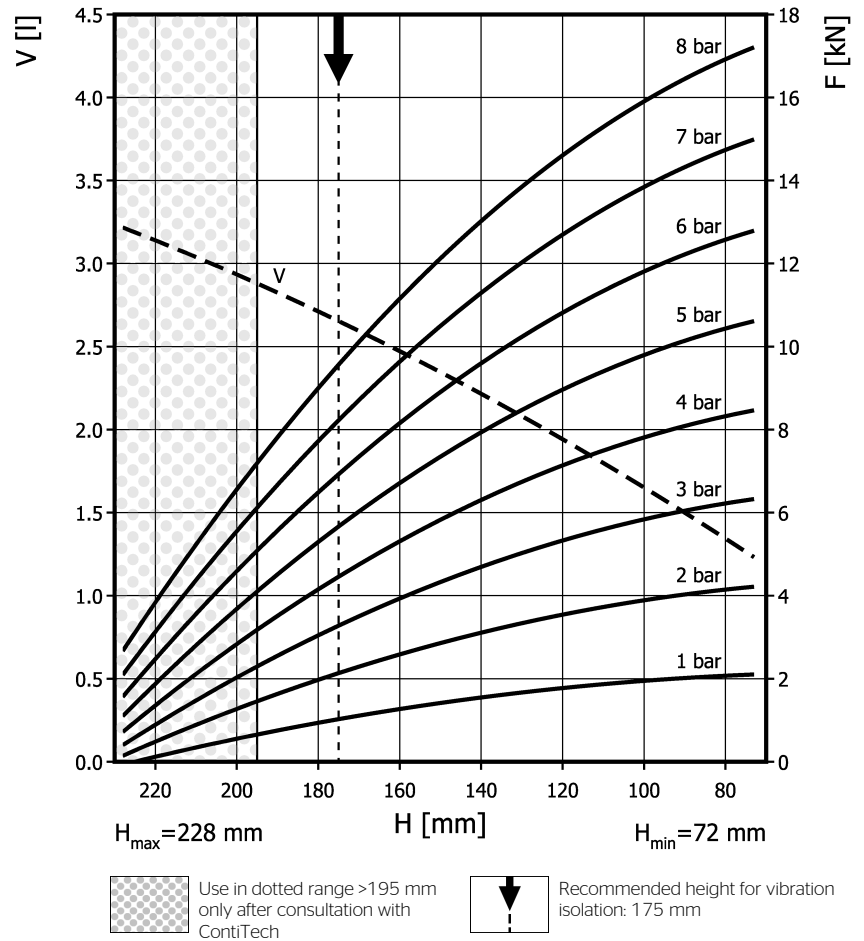
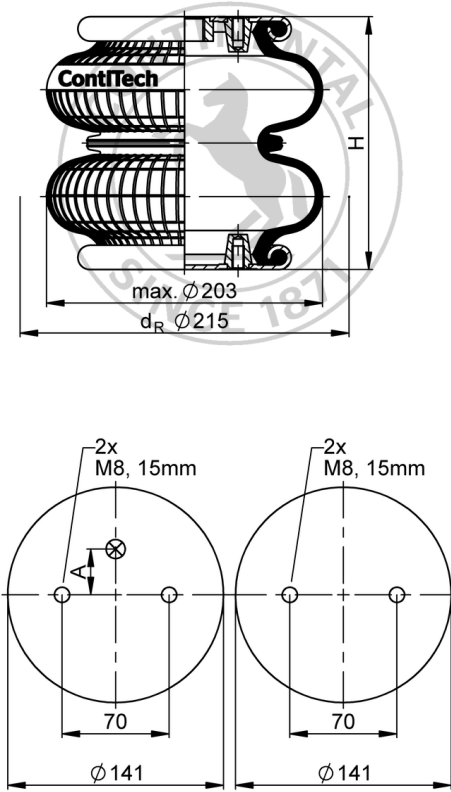


FD 110-15 CI

Double Convolution Air Actuator


Purchase order data
Technical data

| | |
|---|-----------|
| Type | Order No. |
| rubber bellows only | 61193 |
| with crimped plates, G1/4 air inlet A = 0 mm excentrical | 61381 |
| with crimped plates, G3/4 air inlet A = 0 mm excentrical | 61382 |

Additional types on request

| | |
|----------------------------|---------|
| Min. pressure | 0 bar |
| Return force to min height | ≤ 200 N |
| Overall weight | 2.1 kg |

Vibration isolation - dynamic characteristic values

Design height H: recommended 175mm, minimum 155mm

| | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|------------|
| Pressure p [bar] | 3 | 4 | 5 | 6 | 7 | 8 | Vol. V [l] |
| Force (Load) [kN] | 3.4 | 4.7 | 5.9 | 7.1 | 8.3 | 9.6 | |
| Spring rate [N/mm] | 71 | 92 | 113 | 133 | 154 | 174 | |
| Natural frequency [Hz] | 2.3 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | |

Pneumatic application - static characteristic values

Force F [kN]

| | | | | | | | | |
|------------------|-----|------|------|------|------|------|------------|-----|
| Pressure p [bar] | 3 | 4 | 5 | 6 | 7 | 8 | Vol. V [l] | |
| Height H [mm] | 185 | 2.92 | 3.99 | 5.08 | 6.23 | 7.42 | | 2.8 |
| | 165 | 3.75 | 5.08 | 6.43 | 7.82 | 9.25 | | 2.5 |
| | 145 | 4.48 | 6.04 | 7.6 | 9.21 | 10.8 | | 2.3 |
| | 125 | 5.07 | 6.8 | 8.55 | 10.3 | 12.1 | | 2 |
| | 105 | 5.63 | 7.55 | 9.49 | 11.5 | 13.5 | | 1.7 |
| | 85 | 6.17 | 8.26 | 10.3 | 12.5 | 14.6 | | 1.4 |


 Service instructions
 M8: max. 25 Nm
 G1/4: max. 25 Nm
 G3/4: max. 50 Nm

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