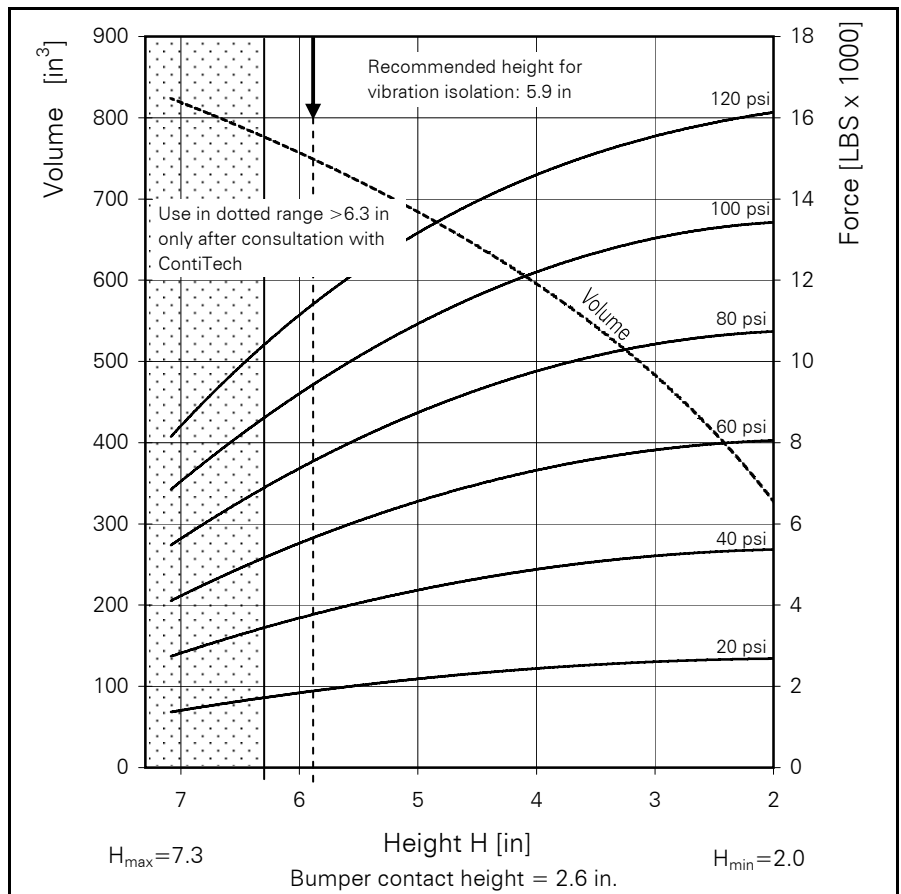
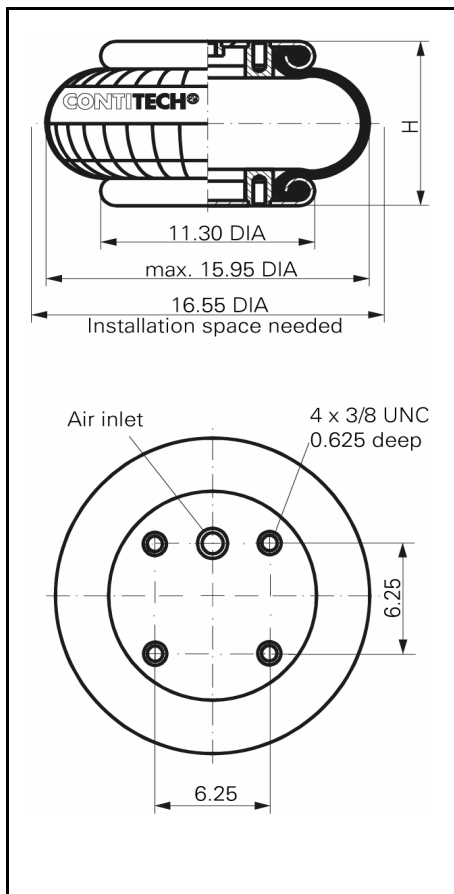


FS 530-14

CONTI® Single Convolution Air Spring



FS 530-14

Force-height diagram

Purchase order data

| Type | Order No. |
|---|------------|
| Rubber bellows only | 60510 |
| With clamped plates 1/4 NPT air inlet | on request |
| With clamped plates 3/4 NPT air inlet | on request |
| With bumper, clamped plates 3/4 NPT air inlet | on request |

Additional types on request

Technical data

| | |
|------------------------------------|----------|
| Min. pressure | 0 psi |
| Return force to min. height | ≤ 67 lbs |
| Overall weight with clamped plates | 13.5 lbs |

Vibration isolation - dynamic characteristic values


Design height H: recommended 5.9 inch, minimum 4.3 inch

| | | | | | | | |
|------------------------|------|------|------|------|-------|--|---------------------------|
| Pressure p [psi] | 40 | 60 | 80 | 100 | 120 | | Vol. V [in ³] |
| Force (Load) [lbs] | 3920 | 5880 | 7840 | 9800 | 11760 | | 750 |
| Spring rate [lbs/in] | 1916 | 2604 | 3364 | 4061 | 4677 | | |
| Natural frequency [Hz] | 2.2 | 2.1 | 2.1 | 2.0 | 2.0 | | |

Pneumatic application - static characteristic values

Force F [lbs]

| | | | | | | | | |
|------------------|----|------|------|------|-------|-------|------------------------|-----|
| Pressure p [psi] | 20 | 40 | 60 | 80 | 100 | 120 | Vol [in ³] | |
| Height H [in] | 6 | 1920 | 3850 | 5770 | 7690 | 9620 | 11540 | 758 |
| | 5 | 2240 | 4490 | 6730 | 8980 | 11220 | 13460 | 674 |
| | 4 | 2470 | 4940 | 7410 | 9880 | 12350 | 14820 | 586 |
| | 3 | 2610 | 5220 | 7830 | 10440 | 13050 | 15660 | 483 |

 Service instructions
 3/8-16 UNC = 15-20 LBxFT
 3/4 NPT = 40-50 LBxFT