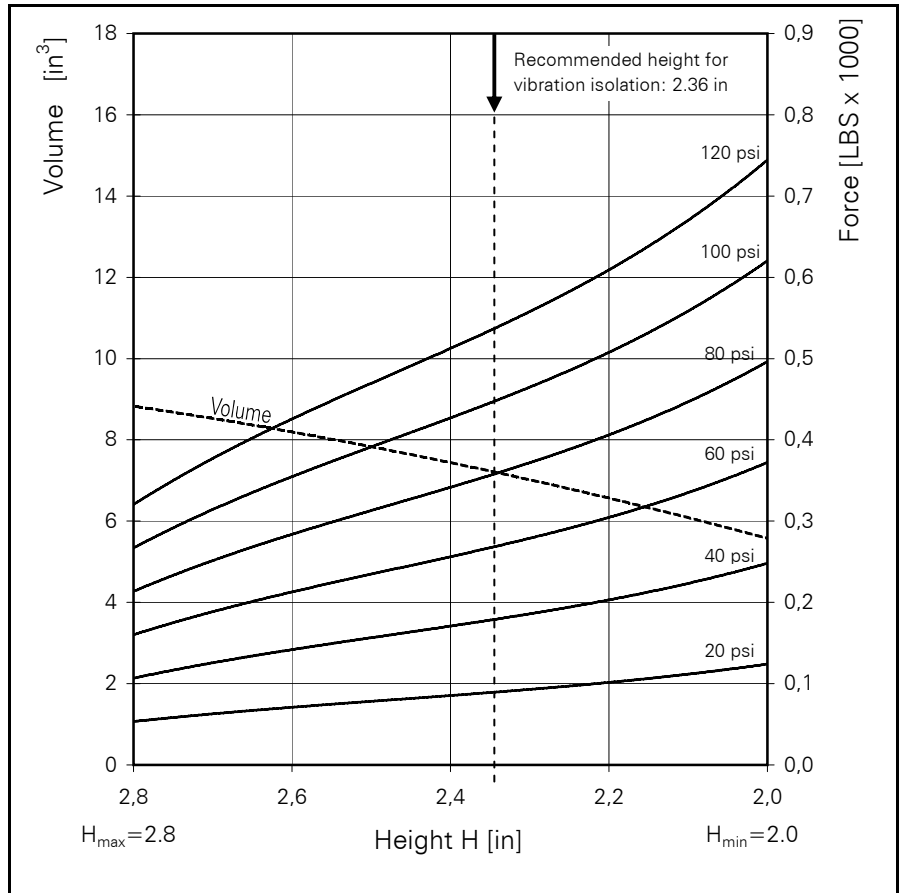
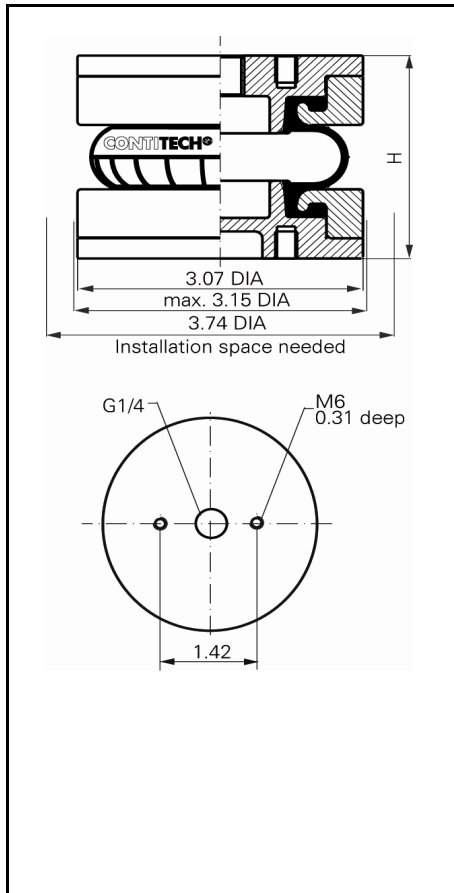


FS 22-3

CONTI® Single Convolution Air Spring



FS 22-3

Force-height diagram

Purchase order data

Technical data

| | |
|--|------------|
| Type | Order No. |
| Rubber bellows only | on request |
| With aluminium plates G 1/4 air inlet | 50604 |

| | |
|--------------------------------------|---------|
| Min. pressure | 0 psi |
| Return force to min. height | ≤ 0 lbs |
| Overall weight with aluminium plates | 1.1 lbs |

Additional types on request

Vibration isolation - dynamic characteristic values

Design height H: recommended 2.36 inch, minimum 2.17 inch

| | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|--|------------------------|
| Pressure p [psi] | 40 | 60 | 80 | 100 | 120 | | Vol [in ³] |
| Force (Load) [lbs] | 180 | 270 | 360 | 450 | 540 | | 7.1 |
| Spring rate [lbs/in] | 333 | 484 | 627 | 770 | 927 | | |
| Natural frequency [Hz] | 4.3 | 4.2 | 4.2 | 4.1 | 4.1 | | |

Pneumatic application - static characteristic values

Force F [lbs]

| | | | | | | | | |
|------------------|-----|-----|-----|-----|-----|-----|------------------------|---|
| Pressure p [psi] | 20 | 40 | 60 | 80 | 100 | 120 | Vol [in ³] | |
| Height H [in] | 2.8 | 50 | 110 | 160 | 210 | 260 | 320 | 9 |
| | 2.6 | 70 | 140 | 210 | 280 | 350 | 420 | 8 |
| | 2.4 | 90 | 170 | 260 | 340 | 430 | 510 | 7 |
| | 2.2 | 100 | 200 | 310 | 410 | 510 | 610 | 6 |



Service instructions
M6 = 11 LBxFT
G 1/4 = 16-18 LBxFT