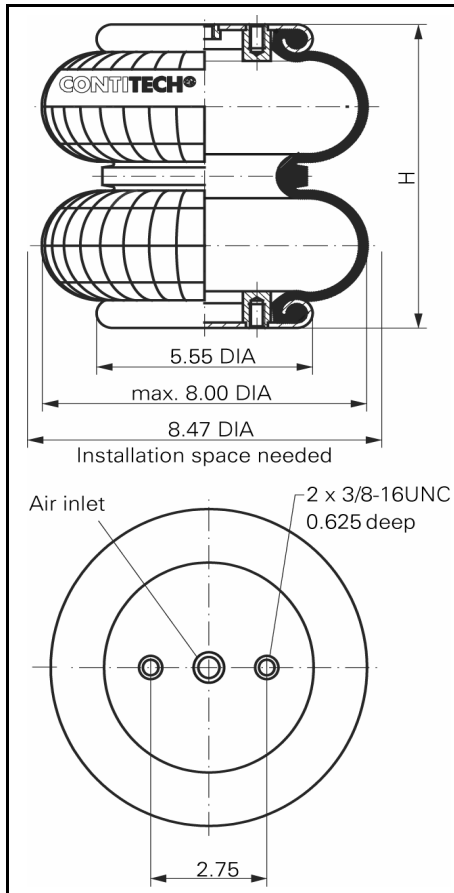
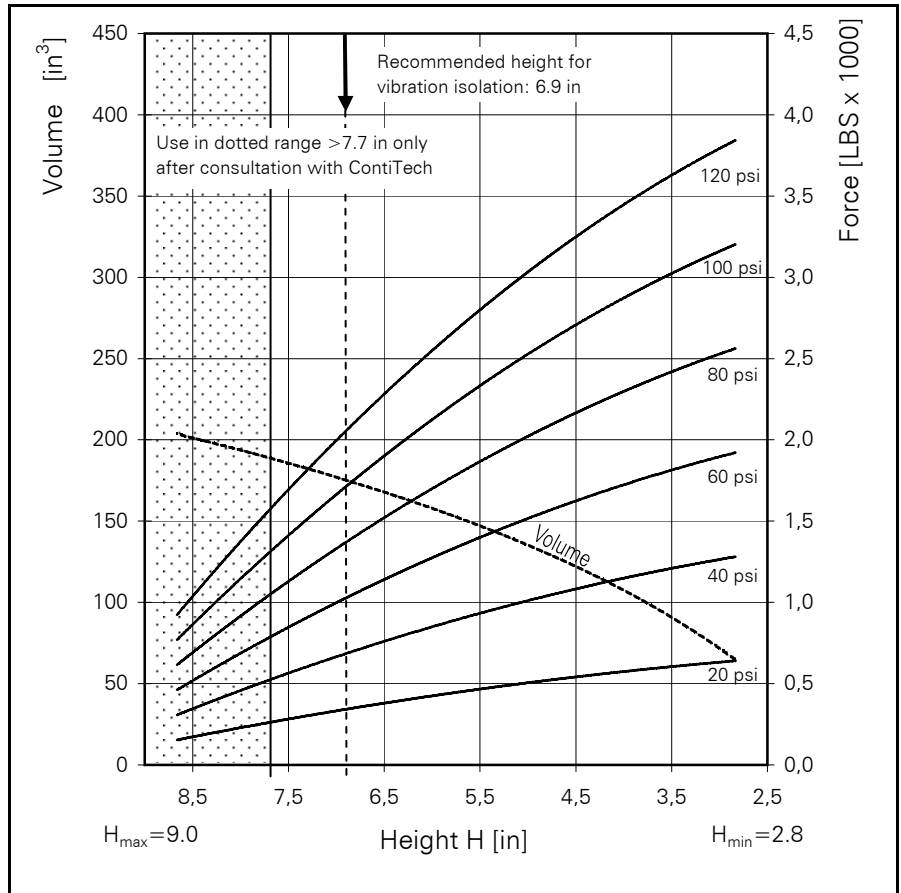


FD 110-15

CONTI® Double Convolution Air Spring



FD 110-15



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	61193
With clamped plates 3/4 NPT air inlet	65562
With clamped plates 1/4 NPT air inlet	62971

Additional types on request

Technical data

Min. pressure	0 psi
Return force to min. height	≤ 45 lbs
Overall weight with clamped plates	4.8 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 6.9 inch, minimum 6.1 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in³]
Force (Load) [lbs]	700	1040	1390	1740	2090		173
Spring rate [lbs/in]	354	526	699	827	989		
Natural frequency [Hz]	2.3	2.2	2.2	2.2	2.1		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in³]
Height H [in]	7.0	340	670	1010	1340	1680	176
	6.0	430	850	1280	1710	2130	158
	5.0	500	1000	1510	2010	2510	133
	4.0	570	1150	1720	2300	2870	107
	3.0	630	1270	1900	2530	3160	73



Service instructions

3/8-16 UNC = 15-20 LBxFT

1/4 NPT = 12-15 LBxFT

3/4 NPT = 40-50 LBxFT