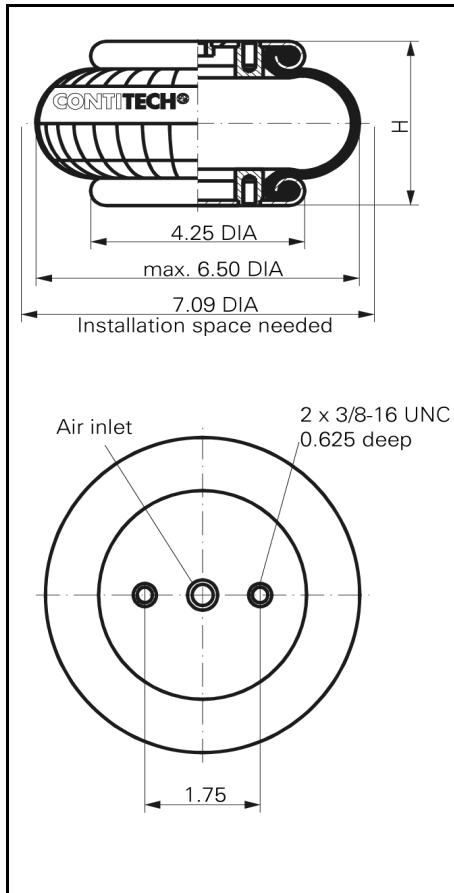
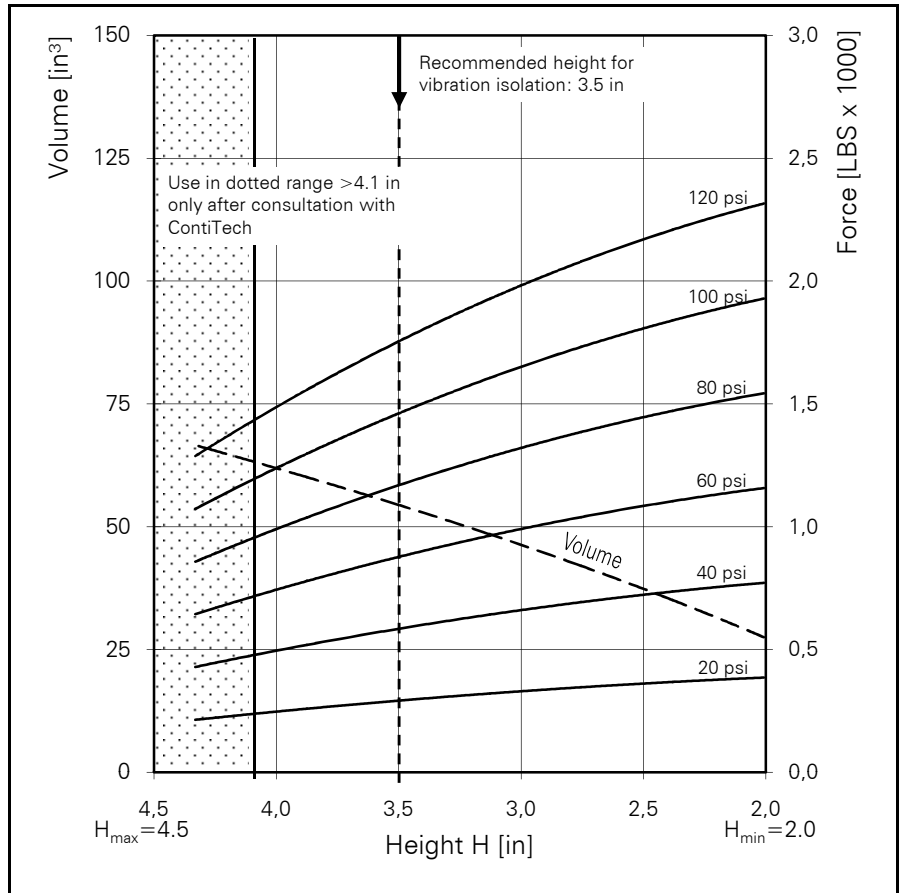


FS 70-7

CONTI® Single Convolution Air Spring



FS 70-7



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	60512
With clamped plates 1/4 NPT air inlet	62085
With clamped plates 3/4 NPT air inlet	on request

Additional types on request

Technical data

Min. pressure	0 psi
Return force to min. height	≤45 lbs
Overall weight with clamped plates	2.7 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 3.5 inch, minimum 2.7 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in <sup>3</sup> ]
Force (Load) [lbs]	580	880	1170	1460	1750		54
Spring rate [lbs/in]	546	750	964	1159	1373		
Natural frequency [Hz]	3.1	2.9	2.9	2.8	2.8		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in <sup>3</sup> ]
Height H [in]	4.0	250	490	740	990	1230	62
	3.5	290	580	880	1170	1460	54
	3.0	330	660	990	1320	1650	46
	2.5	360	720	1090	1450	1810	37



Service instructions

3/8-16 UNC = 15-20 LBxFT

1/4 NPT = 12-15 LBxFT