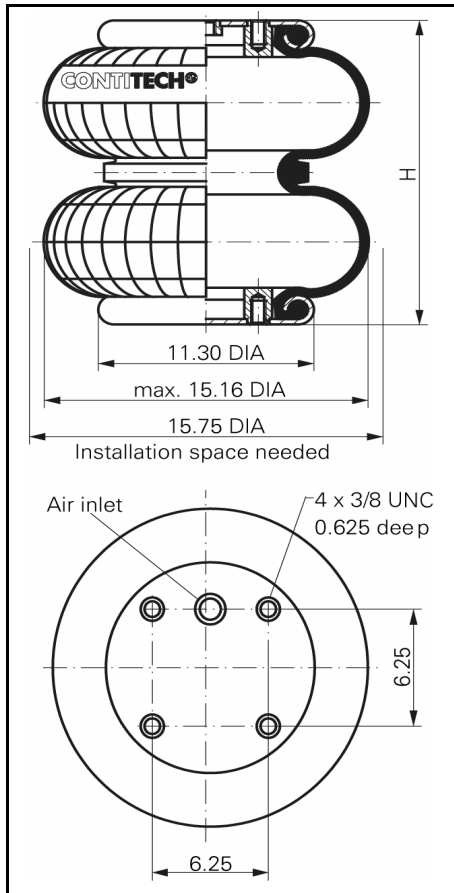
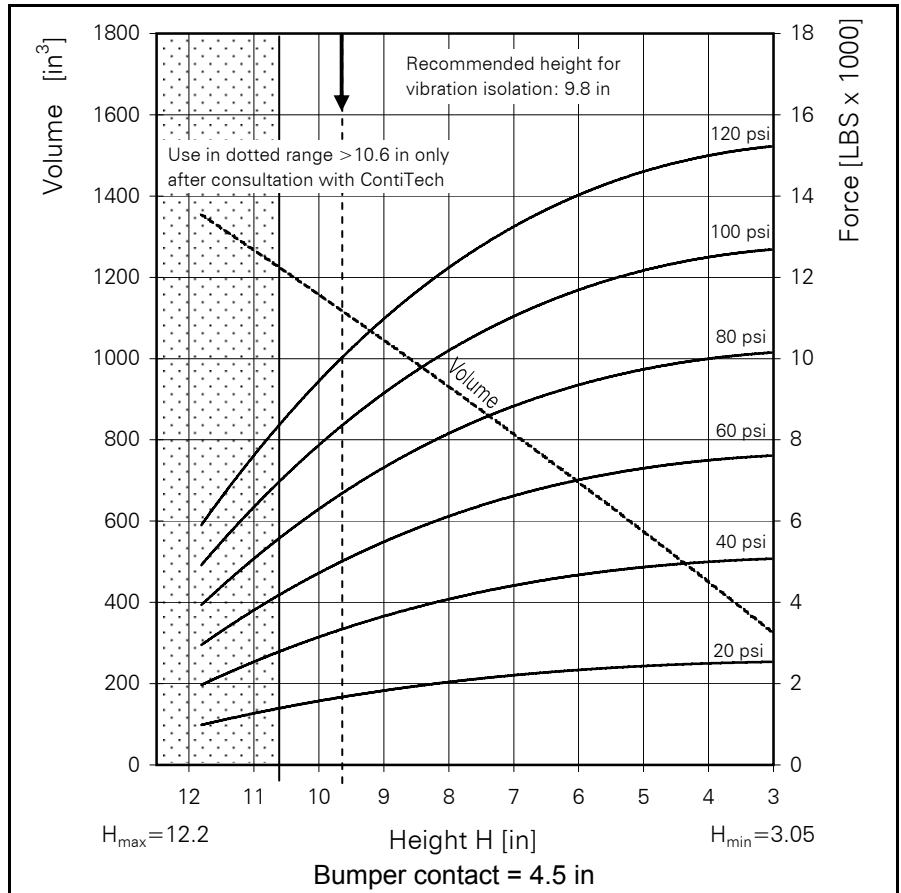


FD 530-22

CONTI® Double Convolution Air Spring



FD 530-22



Force-height diagram

Purchase order data

Type	Order No.
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	≤ 90 lbs
Overall weight with clamped plates	15.4 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 9.8 inch, minimum 8.9 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in ³]
Force (Load) [lbs]	3270	4900	6530	8170	9800		1132
Spring rate [lbs/in]	1168	1689	2201	2680	3189		
Natural frequency [Hz]	1.9	1.8	1.8	1.8	1.8		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in ³]
Height H [in]	10	1580	3160	4740	6320	7900	1159
	9	1830	3650	5480	7310	9140	1041
	8	2030	4050	6080	8100	10130	930
	7	2200	4410	6610	8820	11020	819
	6	2340	4680	7020	9370	11710	697
	5	2430	4870	7300	9730	12170	572
	4	2500	5000	7500	10000	12500	447



Service instructions

3/8-16UNC = 15-20 LBxFT

3/4 NPT = 40-50 LBxFT