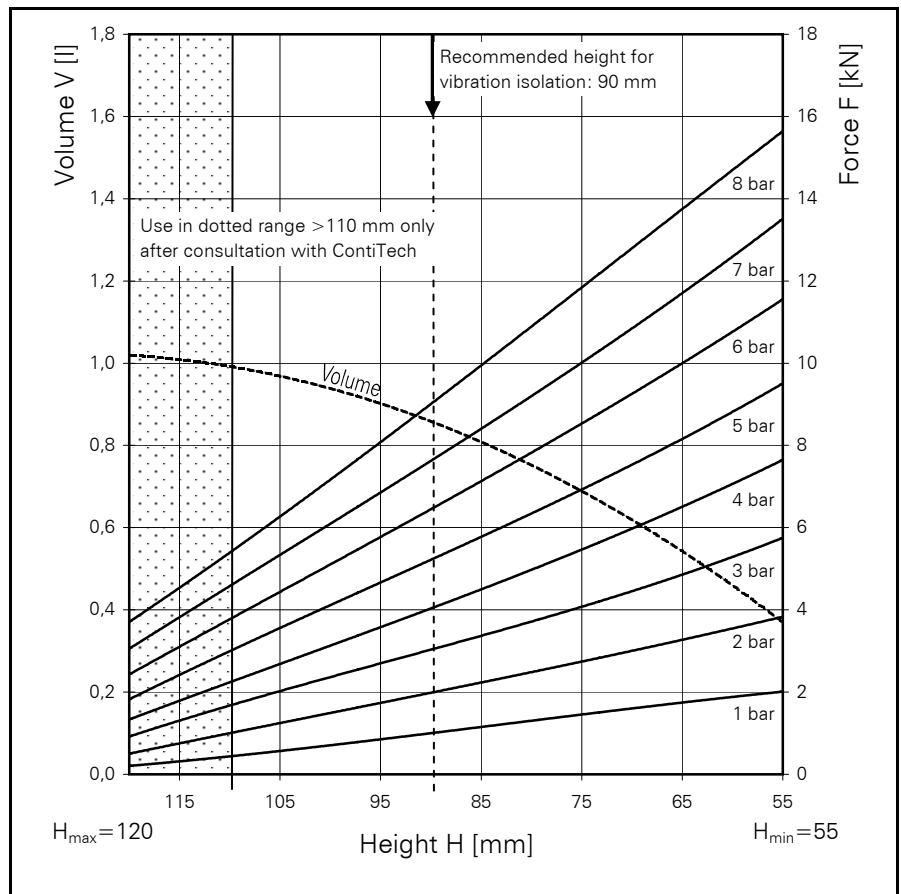
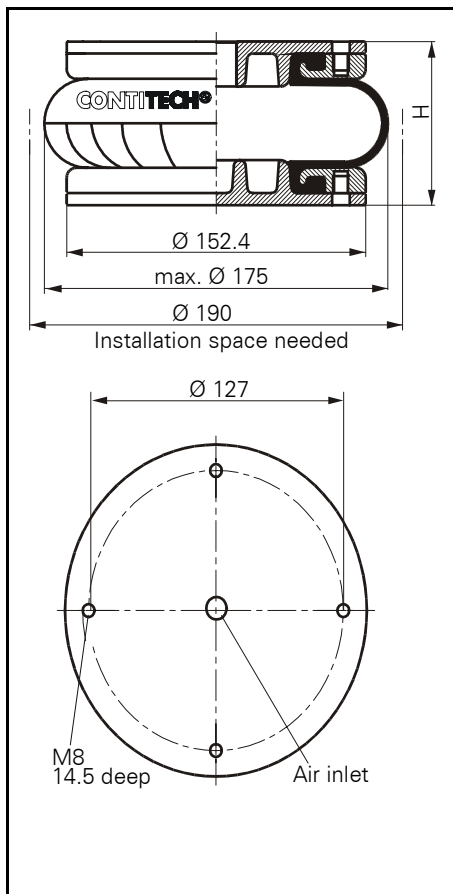


FS 76-7

CONTI® Single Convolution Air Spring



FS 76-7

Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	on request
With aluminium plates G 1/2 air inlet	50587

Additional types on request

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 140 N
Overall weight plates	1.65 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 90mm, minimum 75mm

Pressure p [bar]	3	4	5	6	7	8	Vol V[l]
Force (Load) [kN]	2.9	4.0	5.0	6.1	7.2	8.3	
Spring rate [N/cm]	1250	1655	1995	2375	2740	3115	
Natural frequency [Hz]	3.3	3.2	3.1	3.1	3.1	3.1	

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]	
Height H [mm]	100	2.4	3.2	4.1	5.2	6.1		7.2
	90	3.0	4.0	5.2	6.4	7.5		8.9
	80	3.7	4.9	6.3	7.8	9.2		10.9
	70	4.5	6.0	7.6	9.3	10.9		12.8
	60	5.4	7.2	8.8	10.9	12.7		14.9



Service instructions  
M8 = 20 Nm  
G 1/2 = 25 Nm