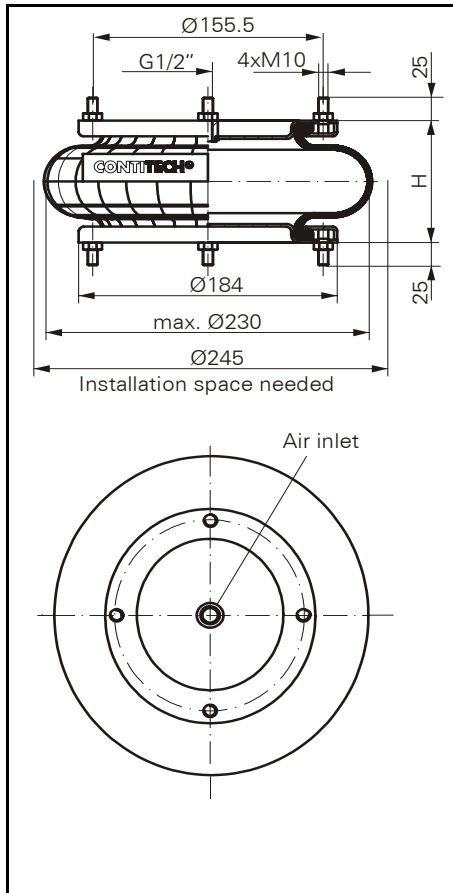
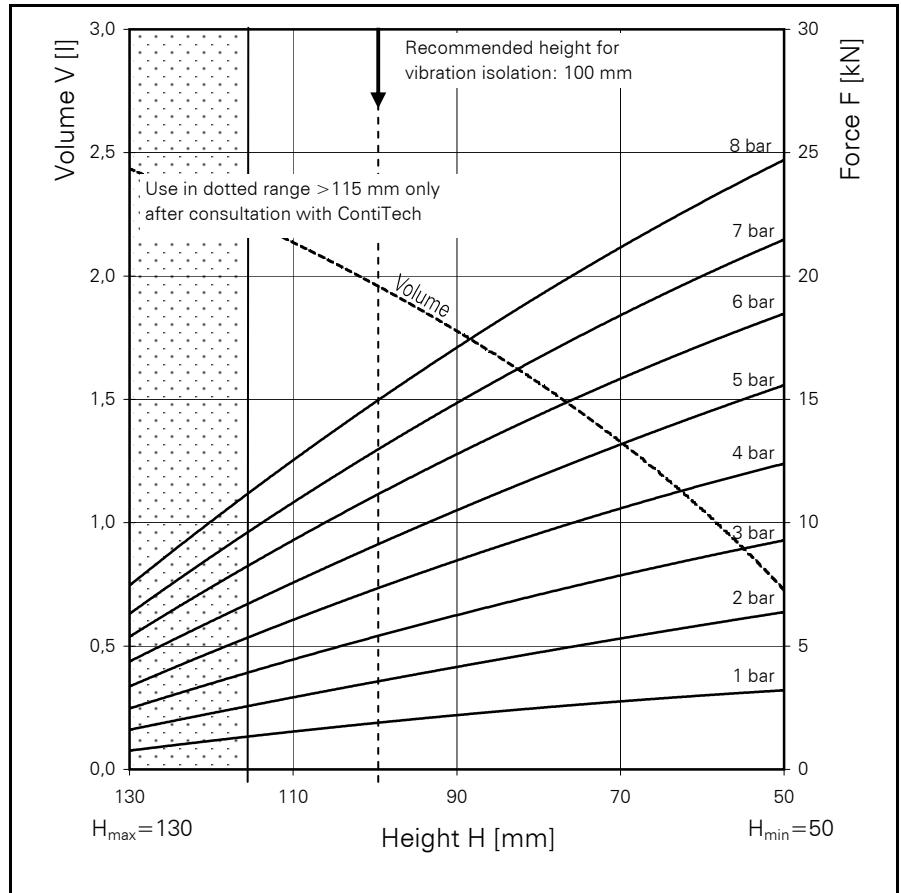


FS 138-8

CONTI® Single Convolution Air Spring



FS 138-8



Force-height diagram

Purchase order data

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

Additional types on request

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 200 N
Overall weight with metal plates	3.1 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 100mm, minimum 75mm

Pressure p [bar]	3	4	5	6	7	8	Vol. V [l] 2.0
Force (Load) [kN]	5.5	7.3	9.1	11.0	13.0	14.9	
Spring rate [N/cm]	1870	2380	2870	3420	3970	4480	
Natural frequency [Hz]	3.0	2.9	2.8	2.8	2.8	2.8	

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]	
Height H [mm]	120	3.4	4.7	6.0	7.4	8.5		10.0
	100	5.5	7.3	9.0	11.0	12.9		14.9
	80	7.0	9.6	11.9	14.4	16.7		19.2
	60	8.6	11.5	14.5	17.3	20.1		23.0



Service instructions
M10 = 25 Nm
G 1/2 = 25 Nm