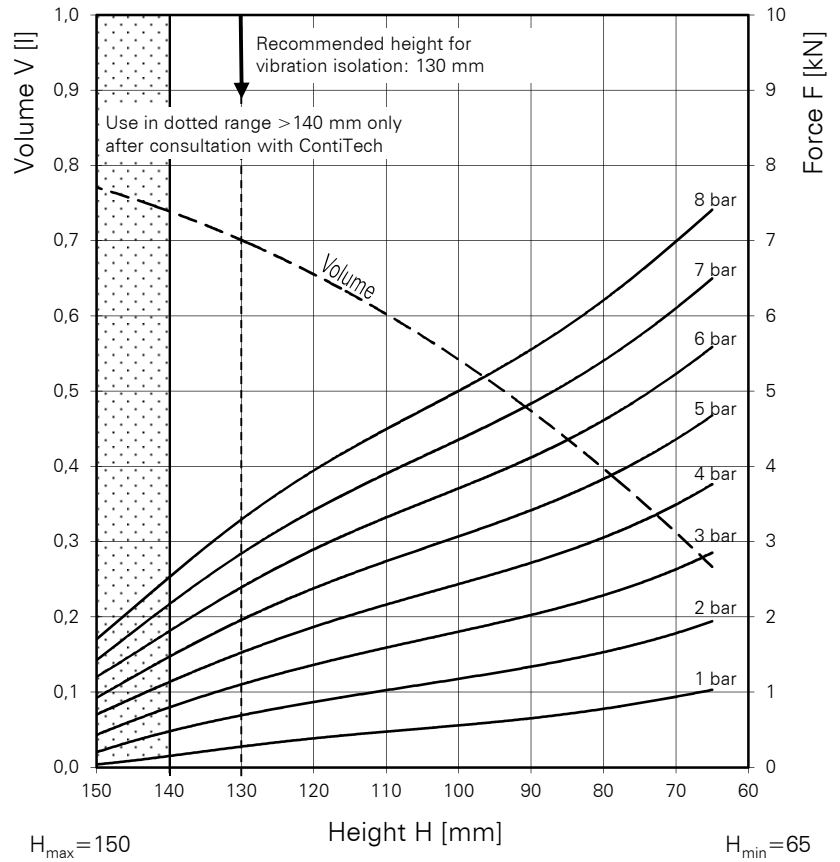
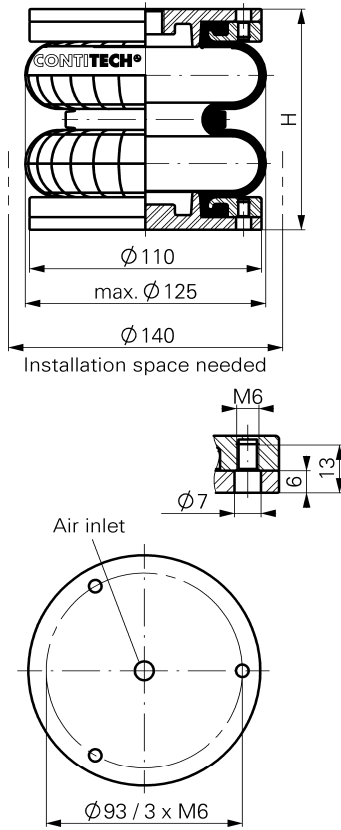


FD 44-10 DI CR

Double Convolution Air Spring



Purchase order data

Type	Order No.
CR-Rubber bellows only	70201
CR-Rubber bellows, with aluminium plates and G 3/8 air inlet	70206

Additional types on request

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 100 N
Overall weight with plates	1.0 kg

Vibration isolation - dynamic characteristic values

Design height H : recommended 130mm, minimum 110mm

Pressure p [bar]	3	4	5	6	7	8	Vol. V [l]	
Force (Load) [kN]	1.1	1.5	2.0	2.4	2.8	3.2		0.7
Spring rate [N/cm]	440	560	680	805	925	1040		
Natural frequency [Hz]	3.2	3.0	3.0	2.9	2.9	2.8		

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol. [l]	
Height H [mm]	140	0.8	1.1	1.5	1.8	2.2		0.74
	120	1.4	1.9	2.4	2.9	3.4		0.66
	100	1.8	2.5	3.1	3.7	4.4		0.54
	80	2.3	3.1	3.8	4.6	5.4	0.40	



Service instructions
 M6 = 5 Nm
 G 3/8 = 15 Nm

Measuring procedure: Room temperature / Force- height- data quasistatic / Dynamic data at 1 Hz