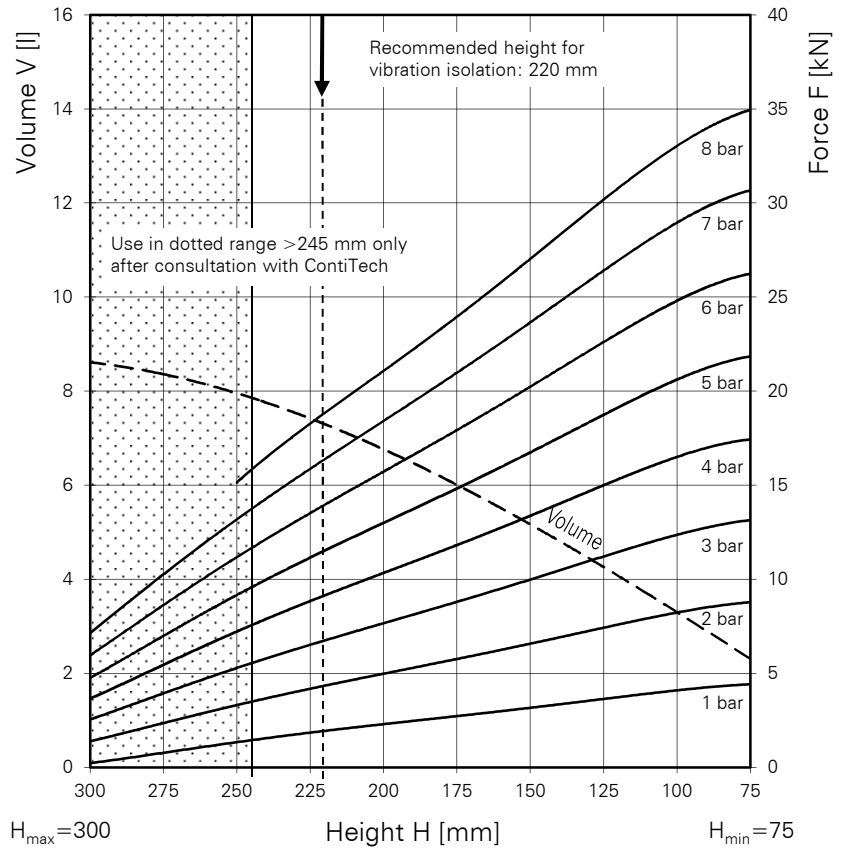
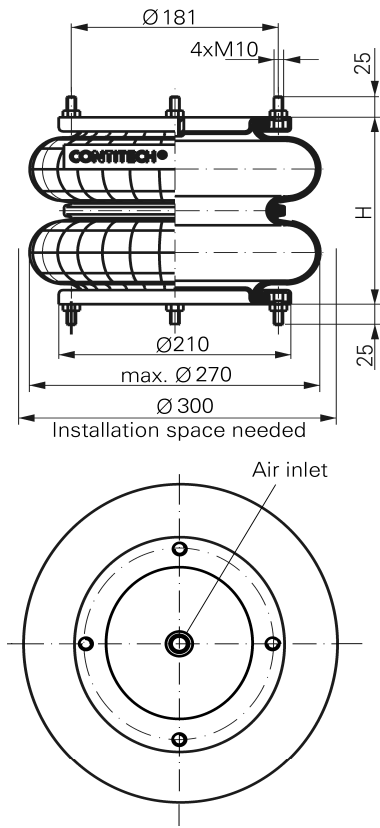


# FD 210-22 DS

# Double Convolution Air Spring



### Purchase order data

Type	Order No.
Rubber bellows only	66993
With removable plates and G 1/2 air inlet	67403

Additional types on request

### Technical data

Min. pressure	0 bar
Return force to min. height	≤220 N
Overall weight with metal plates	4.7 kg

### Vibration isolation - dynamic characteristic values

Design height H: recommended 220mm, minimum 200mm

Pressure p [bar]	3	4	5	6	7	8	Vol V[l]
Force (Load) [kN]	6.7	9.2	11.5	13.9	16.3	18.7	
Spring rate [N/cm]	1000	1235	1480	1710	1945	2185	
Natural frequency [Hz]	1.9	1.8	1.8	1.8	1.7	1.7	

### Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]	
Height H [mm]	250	5.3	7.2	9.2	11.2	13.2		15.1
	200	7.7	10.3	13.0	15.7	18.4		21.1
	150	10.0	13.4	16.7	20.2	23.7		27.0
	100	12.4	16.5	20.6	24.8	29.0	33.0	



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

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