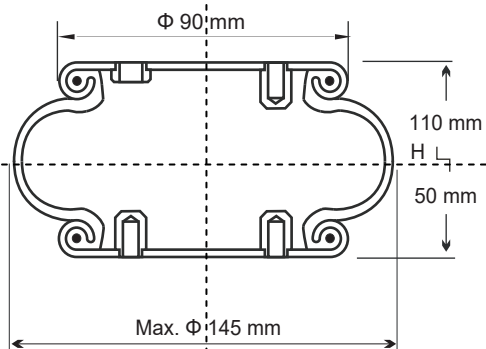


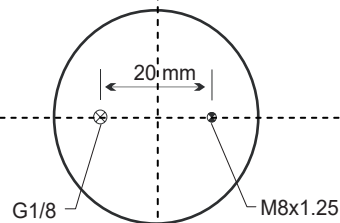
1B145-60 A69

Single Convoluted Air Spring

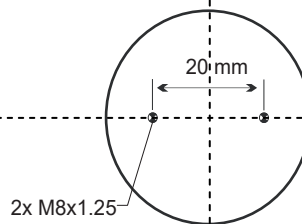
Cross Section View



Bead Plate Top View



Bead Plate Bottom View

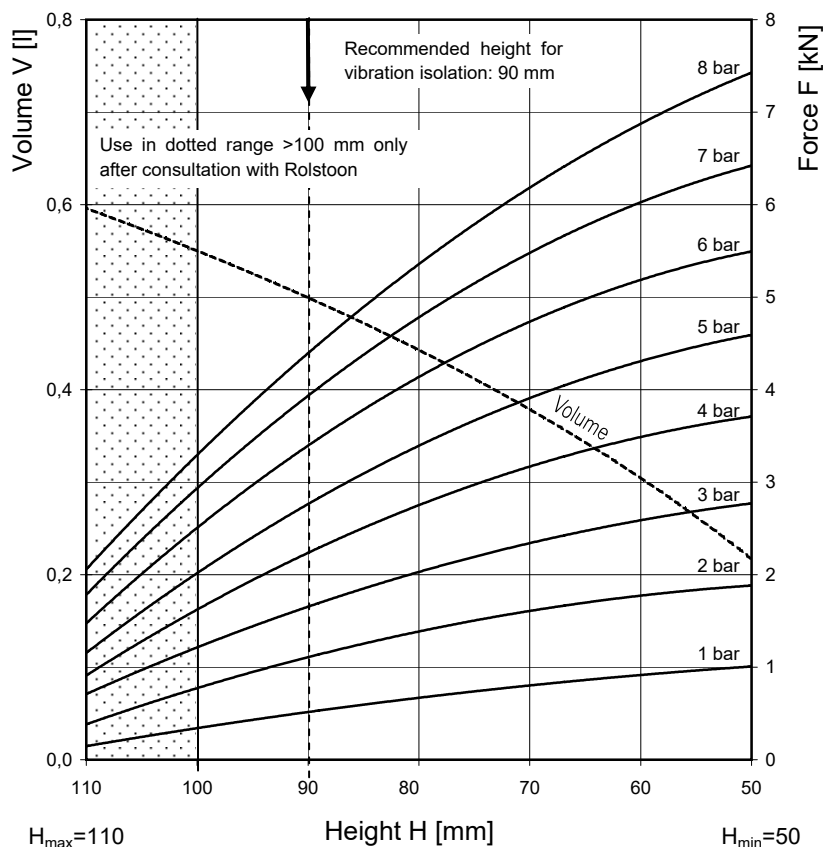


Cross references

ContiTech	FS 40-6 CI G1/8
Firestone No.	-
Firestone Style	-
Goodyear	1B5-800
Goodyear Flex No.	579-913-500

Original parts

Volvo	AH-0188
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Force-height diagram

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 120N
Overall weight with clamped plates	1.0 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 90mm, minimum 70mm

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]
Force (Load) [kN]	1.7	2.3	2.8	3.4	3.8	4.4	0.5
Spring rate [N/cm]	760	990	1220	1770	1480	1820	0.5
Natural frequency [Hz]	3.5	3.3	3.3	3.3	3.2	3.2	0.5

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]	
Height H [mm]	100	1.2	1.6	2.0	2.5	3.0	3.4	0.6
	90	1.7	2.2	2.8	3.4	3.9	4.4	0.5
	80	2.1	2.8	3.5	4.2	4.9	5.3	0.5
	70	2.3	3.2	3.9	4.7	5.4	6.2	0.4
	60	2.6	3.5	4.3	5.2	6.1	6.9	0.3