

relax and allow us to take control

Air Spring RB 220 SH



An elastomere belt with vulcanized wire braid reinforcement is fixed between a steel piston and the top plate from steel. The elastomere belt shows excellent dynamic properties and good resistance to chemicals. The air inlet is integrated into the top plate.

Furthermore the air spring is equipped with a support cap from steel and the according bottom plate. This construction realizes horizontal stability as well as a defined limit stop.

Technical data

Construction:	with protecting sleeve
Weight:	28 kg
Largest diameter (without air adapter):	265 mm
Stroke:	30 mm
Operating Height :	330 mm
Minimum Height :	300 mm

Dynamic spring data for vibration isolation at 330 mm operating height and $f_{err} = 1$ Hz.

Pressure [bar]	Loading Capacity [kN]	Stiffness [kN/m]	Natural Frequency [Hz]
2	6,8	74	1,6
4	14	123	1,5
6	22	192	1,5

Force-way table for rolling lobe air springs
force in [kN]

Height [mm]	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar
320	3,5	7	10,5	14	18	22	26
370	3,6	6,7	10	13	16	19	23
420	3,4	5,8	8	10,5	13	15	18

