

PNEUSPRING

21½" x 2

General information

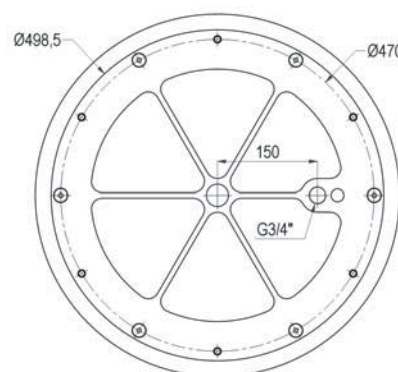
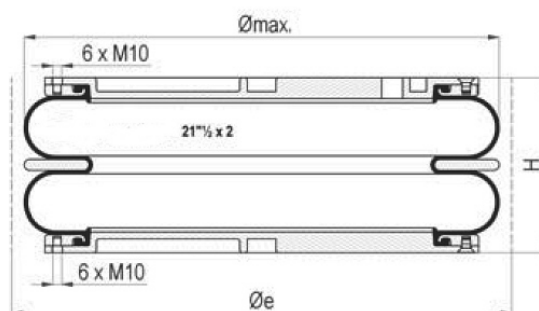
Bellows are entirely dismountable. Bellows are single acting air actuators and can be used as actuator or isolator. Indicative value of force to reach the minimum height: 7 daN. When tracking air springs, special care must be taken to ensure the air springs are guided and fixed. For other kinds of rubber compounds, contact our technical sales department.

Conditions of use

Maximum pressure	8 bar
Burst pressure	20 bar
Maximum angular capability	
Maximum misalignment	20 mm

Precaution in use

Air springs must not be pressurised unless they are restricted by an outside frame or by a suitable load. Respect the minimum and maximum height specifications (the high position of your application must be lower than the air bellows maximum height and the low position of your application must be higher than the direct use of bump stops or external stops. Do not combine an angular motion and a misalignment. Avoid using below atmospheric pressure.



Specifications data

Static diameter	546 mm
Maximum diameter	580 mm
Minimum space envelope	630 mm
Static height	200 mm
Minimum height	90 mm
Recommended maximum height	350 mm
Maximum height	390 mm
Total stroke	300 mm
Effective area	1930 cm ²
Stiffness at 4 bar	168 daN/mm
Natural frequency at 4 bar	1.26 Hz
Weight of the bellows	20.6 kg

References table

PB2124	21½" x 2 aluminium
PB2124/B	21½" x 2 chlorobutyl aluminium
PB2124/E	21½" x 2 epichlore aluminium

For information only. For complete range, contact our technical sales department.

Temperature

Standard	-40°C (-50°C static)	+70°C (+90°C static)
Chlorobutyl	-25°C (-35°C static)	+90°C (+100°C static)
Epichlore	-20°C (-30°C static)	+115°C (+120°C static)

Distributor:

Interflex Hose & Bellows Ltd. • www.interflex.co.uk
 Ludlow Eco Park • Ludlow • Shropshire • SY8 1FF • United Kingdom
 Tel: +44 (0)1584 878500 • Email: airsprings@interflex.co.uk

PNEUSPRING

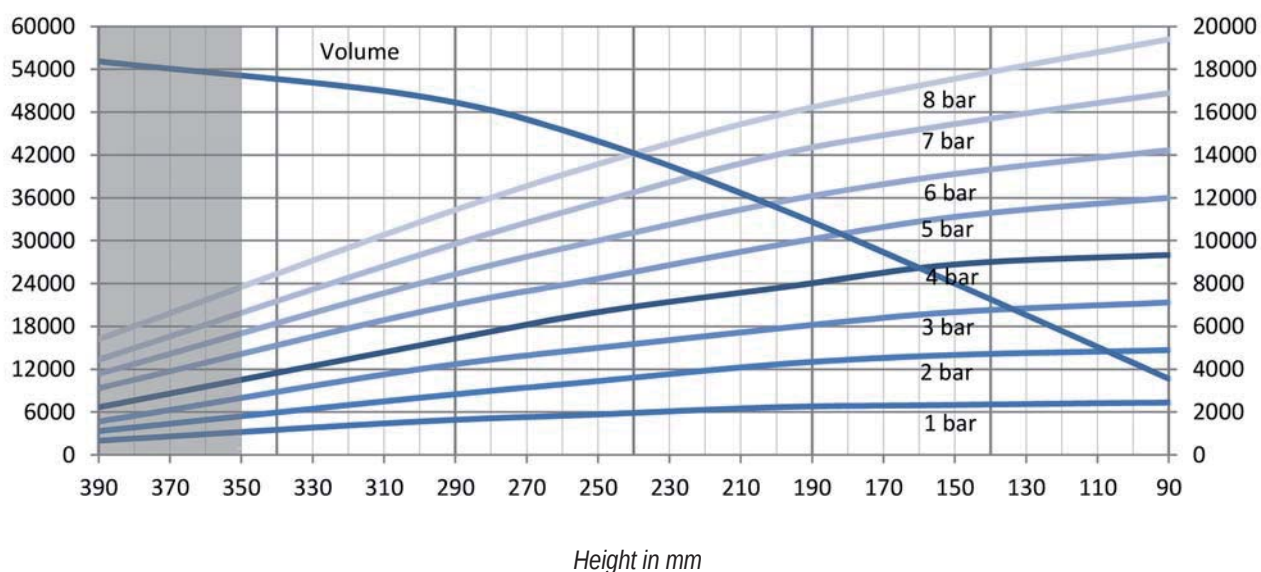
21½" x 2

Specifications

Graphic

Volume in cm³

Load in daN



Characteristics in static condition (daN)

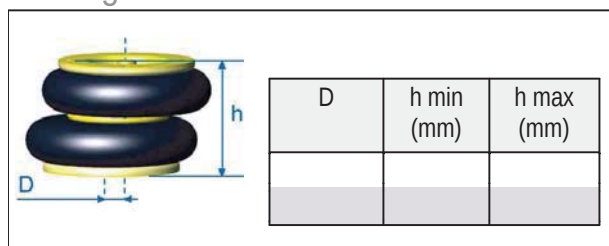
Height	2 bar	4 bar	6 bar	8 bar
90	4 889	9 333	14 222	19 397
150	4 667	8 889	13 111	17 555
200	4 222	7 778	11 778	15 840
250	3 444	6 667	10 000	13 572
300	2 667	5 111	8 000	10 857
390	1 111	2 222	3 778	5 396

Dynamic characteristics at H = 300mm*

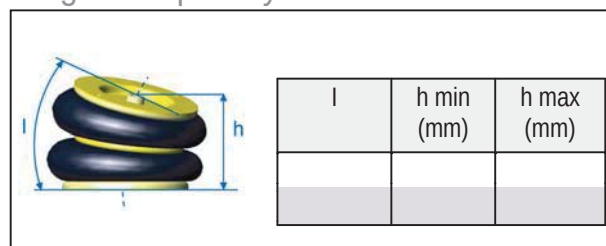
Charateristics	2 bar	4 bar	6 bar
Load (daN)	2625	5480	8335
Volume (dm ³)	47,5	49,1	50,8
Stiffness (daN/cm)	310	538	756
Natural frequency (Hz)	1,71	1,56	1,50
Isolation rate at 10 Hz	97,0%	97,5%	97,7%

* Recommended height for better isolation

Misalignment



Angular capability



Distributor:

Interflex Hose & Bellows Ltd. • www.interflex.co.uk
 Ludlow Eco Park • Ludlow • Shropshire • SY8 1FF • United Kingdom
 Tel: +44 (0)1584 878500 • Email: airsprings@interflex.co.uk