

Bellows suction cup S.B110S50.XXX.00



- ▶ The lifting movement can be used to separate small and thin objects.
- ▶ Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.
- ▶ Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.

Lifting force

Description	Vertical		
	20 -kPa	60 -kPa	90 -kPa
Lifting forces	137.0 N	343.0 N	461.0 N

Technical data

Description	Unit	Value
Internal volume	cm ³	310.0
Weight	g	130
Min. curve radius -60 kPa	mm	60.0
Max. vertical movement	mm	34.6
Application	-	Dry sheet metal, Corrugated / cardboard,
Material	-	Silicone (SIL)
Colour	-	Red
Suction cup model	-	B
Suction cup shape	-	Bellows
Hardness °Shore A	-	50 °Shore A
Temperature range (°C)	°C	-40 – 200
Actuated outer diameter, Max	mm	129

Material resistance , Silicone, SIL

Description	Value
Alcohol	Good
Concentrated Acids	Poor
Ethanol	N/A
Hydrolysis	Good
Methanol	N/A
Oil	Fair
Oxidation	Good
Petrol	Fair
Wear Resistance	Excellent
Weather & Ozone	Good

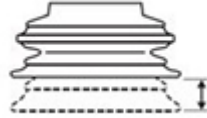
Values specified in data sheet are tested at:

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).

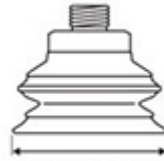
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Internal volume



Max. vertical movement

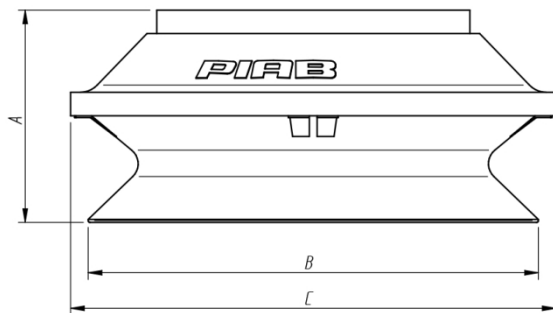


Diameter (lip)



Min. curve radius -60 kPa

Dimensional drawing



Product code	Description	Unit	Value
A	Building height	mm [inch]	54.3 [2.14"]
B	Diameter (lip)	mm [inch]	115.0 [4.53"]
C	Diameter (bellow)	mm [inch]	124.0 [4.88"]

Ordering information

Description	Product code
Bellows suction cup , Ø 110mm, Silicone, SIL, 50 °Shore A, None, None, None, None	S.B110S50.XXX.00

Ordering information, spare parts

Description	Art. No.
Suction cup B110 Silicone	3150108S

Ordering information, accessories

Description	Art. No.
Fitting 110, G1/2" female, with mesh filter	0100561
Fitting 110, 3/8" NPSF female, with mesh filter	0100559
Fitting 110 G3/8" female, with mesh filter	0100557
Suction cup B110 Nitrile-PVC	3150108P
Suction cup B110 HNBR	3150108T
Suction cup B110 Silicone FCM	0200246