

# Piab Bellows suction cup

S.B110-2S50.XXX.02



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

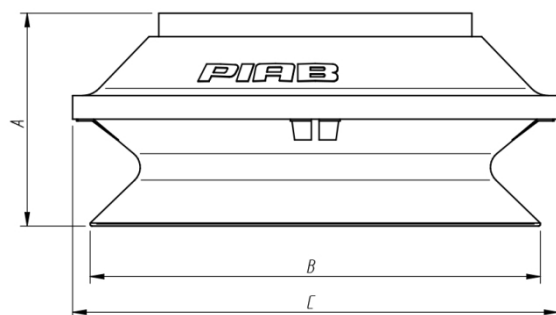
## Technical data

Description	Unit	Value
Internal volume	cm <sup>3</sup>	310.0
Weight	g	135
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	130

## Material resistance , Silicone, SIL

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

## 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]	126.0 [4.96"]

## Ordering information

Description	Product code
<b>Bellows suction cup</b> , Ø 110mm model 2, Silicone, SIL, 50 °Shore A, None, None, None, Filter disc	S.B110-2S50.XXX.02

## Ordering information, spare parts

Description	Art. No.
Suction cup B110-2 Silicone with filter	0101945
Filter D=118, 10 pcs, for B110-2	0201150

## Ordering information, accessories

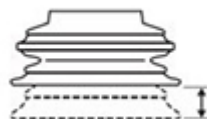
Description	Art. No.
Fitting 110, G1/2" female, with mesh filter	0100561
Fitting 110, 3/8" NPSF female, with mesh filter	0100559
Fitting 110 G3/8" female, with mesh filter	0100557
Suction cup B110-2 Nitrile-PVC with filter	0101944
Suction cup B110-2 Silicone FCM with filter	0200486

## Values specified in data sheet are tested at:

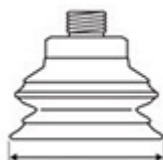
- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Internal volume



Max. vertical movement



Diameter lip



Min. curve radius -60 kPa

Storage guidelines (scan QR code)

