

Item no: 0101110

## Suction cup B50-2 Silicone with filter

Several short bellows cups in one lifting device can handle objects with height differences and varying shapes. The bellows also provide a slight lifting movement to separate thin items. Materials used are silicone, conductive silicone, chloroprene, HNBR and nitrile-PVC.

- 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 movement 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.
- With mesh filter.

### General

Item number, alternative	E12025020
Application	PlasticInjectionMoldedParts, DrySheetMetal
Suction cup shape	Bellows
Material	Silicone (SIL)
Suction cup model	B
Weight	20 g
Volume	32 cm <sup>3</sup>
Suction cup model	B50-2
Movement, vertical max.	12.4 mm
Curve radius, min.	30 mm

### Fitting

Fitting option	Filter disc
Fitting size	None
Fitting style	None
Fitting type	None

Dimension

Height	35.4 mm
Outer diameter, actuated	59 mm
Outer diameter	51.8 mm

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Performance - lifting forces

	B50-2		
20 -kPa		33 N	24.2 N
60 -kPa		65 N	51.2 N
90 -kPa		82 N	60.8 N

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Material

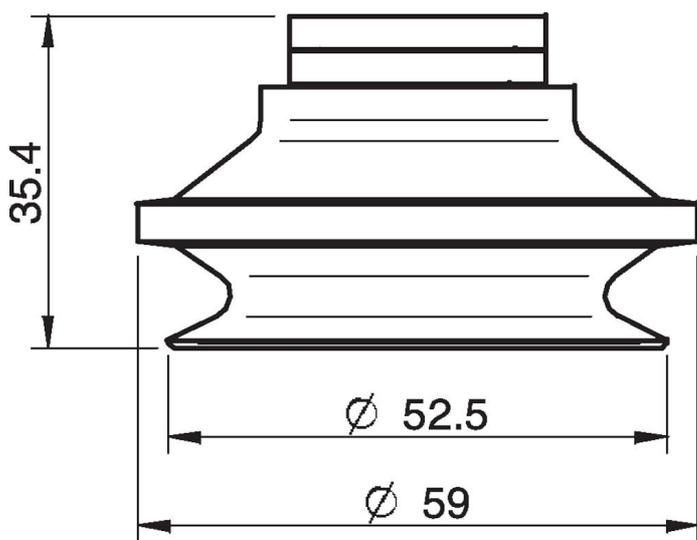
Name	SIL
Colour	Red
Temperature	-40 - 200 °C
Hardness	50 °Shore A

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	SIL
Alcohol	++
Concentrated acids	-
Ethanol	n/a
Hydrolysis	+
Methanol	n/a
Oil	-
Oxidation	+++
Petrol	-
Wear resistance	++
Weather and ozone	+++

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Dimensional drawings 



Values specified in the 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: 0-100%
  - Compressed air quality: DIN ISO 8573-1 class 4
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#### Accessories

3251014		Fitting 1/4" NPT male, with dual flow control valve
3250094		Fitting 1/4" NPT male, with mesh filter
3250017		Fitting 1/8" NPSF female, 50
3150198		Fitting 1/8" NPSF female, 50, PA
3251012		Fitting 1/8" NPSF female, 50, with dual flow control valve
0101154		Fitting 1/8" NPSF female, 50, with mesh filter
3251016		Fitting 3/8" NPT male, with dual flow control valve
3250090		Fitting 3/8" NPT male, with mesh filter
0100262		Fitting 5x1/8" NPSF female, 50
3251017		Fitting 5x1/8" NPSF female, 50, with dual flow control valve
3250092		Fitting G1/4" male, 50, with mesh filter
3251013		Fitting G1/4" male, with mesh filter and dual flow control valve
0200715		Fitting G1/8" male, 50, with mesh filter
3250087		Fitting G3/8" male, 50, with mesh filter
3251015		Fitting G3/8" male, 50, with mesh filter and dual flow control valve

#### Spare parts

0104655		Filter D=54, 20 pcs, for B50-2
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