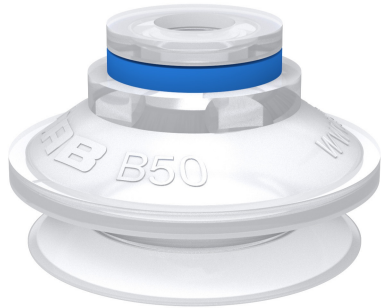# Datasheet

Suction cup B50 Silicone FCM

Article number: 0200409

- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- 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.
- 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.

Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Food contact materials (FDA & EU), non-detectable
Suction cup design	-	Round
Characteristics	-	Food contact materials (FDA & EU), non-detectable
Material	-	Silicone (SIL)
Weight, min.	g	20
Suction cup model	-	B
Volume	cm³	32
Height	mm	35.3
Outer diameter, min.	mm	53.7
Outer diameter, actuated	mm	60
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	B50
Movement, vertical max.	mm	18.2
Curve radius, min.	mm	30

Performance - Lifting forces

B50	Vertical (N)	Parallel (N)
20 -kPa	33	24.2
60 -kPa	65	51.2
90 -kPa	82	60.8

Material

Name	Silicone (SIL FDA) 50° Shore
Colour	Transparent
Temperature, min. | °C	-40
Temperature max. | °C	200
Hardness | °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Petrol	Poor
Wear resistance	Good
Weather and ozone	Excellent

Dimensional drawings
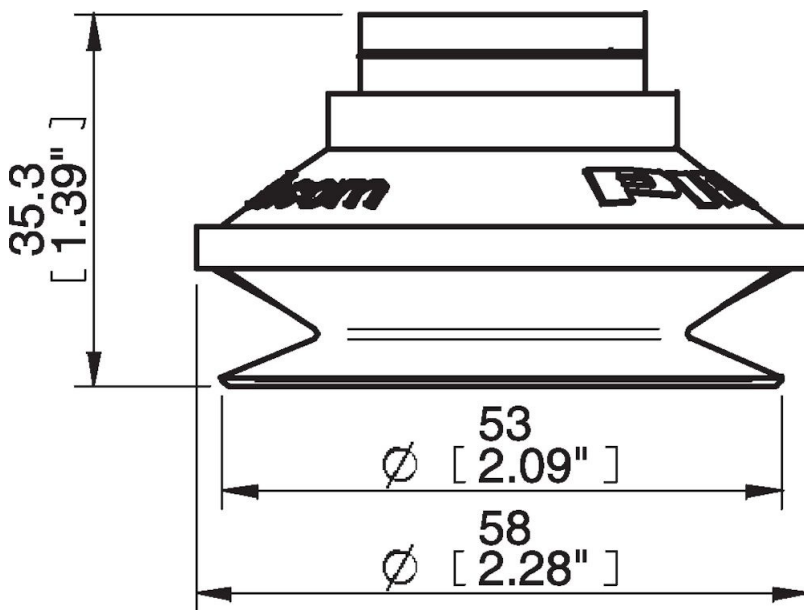
Values specified in this data sheet are tested at (unless otherwise stated):

- 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.

Accessories
0101154 | Fitting 1/8" NPSF female, 50, with mesh filter
3250092 | Fitting G1/4" male, 50, with mesh filter
3250094 | Fitting 1/4" NPT male, with mesh filter