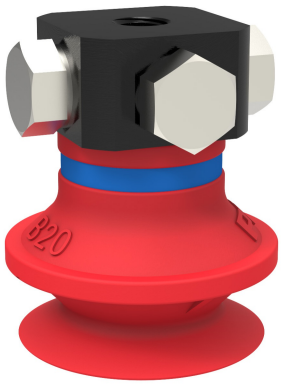
Datasheet

Suction cup B20 Silicone, 5xM5 female

Article number: 0101175



- 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	-	Dry sheet metal, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Plastic injection molded parts
Material	-	Silicone (SIL)
Weight, min.	g	3.2
Suction cup model	-	B
Volume	cm^3	2.7
Height	mm	28
Outer diameter, min.	mm	22
Fitting size	-	5×M5
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	M-thread
Suction cup model	-	B20
Movement, vertical max.	mm	10
Curve radius, min.	mm	10

Performance - Lifting forces

B20	Vertical (N)	Parallel (N)
20 -kPa	5.9	2.9
60 -kPa	9.8	5.4
90 -kPa	14	8.22

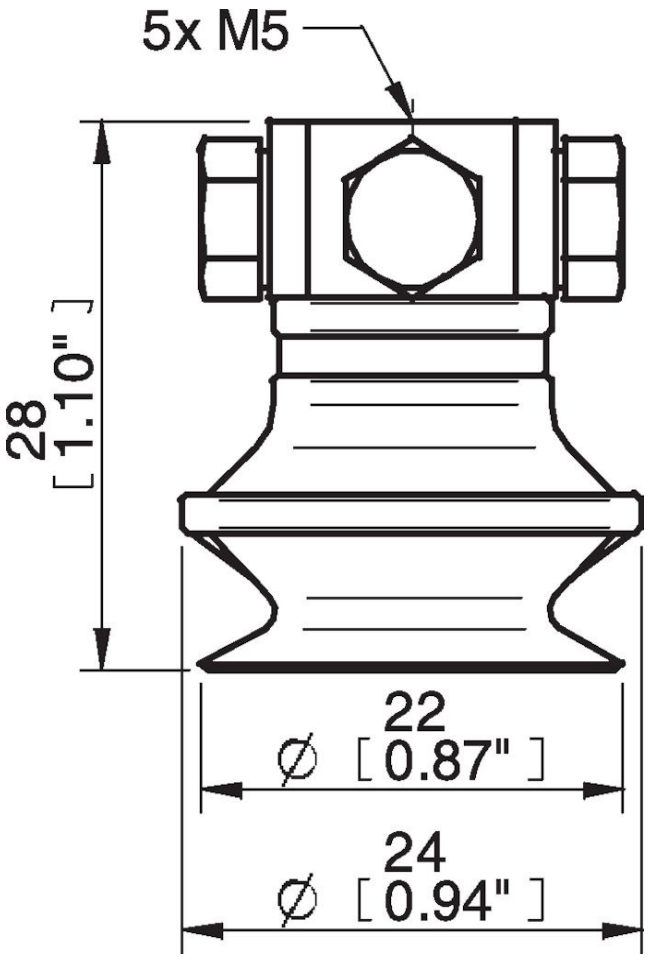
Material

Name	Silicone, SIL 50° Shore A
Colour	Red
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
0101152 | Fitting G1/8" male/M5 female, with mesh filter
0128712 | Suction cup B20 HNBR
3150196 | Fitting G1/8" male/M5 female, PA
3250003 | Fitting M5 female
3250004 | Fitting G1/8" male/M5 female
3250085 | Fitting G1/8" male, with mesh filter
3250088 | Fitting 1/8" NPT male, with mesh filter
3251001 | Fitting M5 female, with dual flow control valve
3251003 | Fitting 1/8" NPT male, with dual flow control valve
3251004 | Fitting G1/8" male/M5 female, with dual flow control valve
3251005 | Fitting 5xM5 female, with dual flow control valve

Spare parts
0100260 | Fitting 5xM5 female
0101102 | Suction cup B20 Silicone