

Suction cup B20 Chloroprene, 5xM5 female

Article number: 0101164



- 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	-	Chloroprene (CR)
Weight, min.	g	3.2
Suction cup model	-	B
Volume	cm ³	2.7
Height	mm	28
Outer diameter, min.	mm	22
Fitting size	-	5xM5
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	Chloroprene (CR) 50° Shore A
Colour	Black
Temperature, min. °C	-40
Temperature max. °C	110
Hardness °Shore A	50

Material resistance

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

Material and ozone	Good
Name	Chloroprene (CR) 50° Shore A
Dimensional drawings	Black
	-40
	110
	50
	Good
	Poor
	n/a
	Good
	n/a
	Fair
	Good
	Fair
	Excellent
	Good

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

- 0101102 | Suction cup B20 Silicone
- 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
- 0101101 | Suction cup B20 Chloroprene