Datasheet

Suction cup F20 Chloroprene, G1/8" male, with mesh filter

Article number: 0101260

- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal
Suction cup design	-	Round
Characteristics	-	Dry sheet metal
Material	-	Chloroprene (CR)
Weight, max.	g	4.2
Weight, min.	g	1.2
Suction cup model	-	F
Volume	cm^3	1
Height	mm	20
Outer diameter, min.	mm	22
Outer diameter, actuated	mm	23.2
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	F20
Movement, vertical max.	mm	1.2
Curve radius, min.	mm	18

Performance - Lifting forces

F20	Vertical (N)	Parallel (N)
20 -kPa	6	5
60 -kPa	14.5	8
90 -kPa	19	8.5

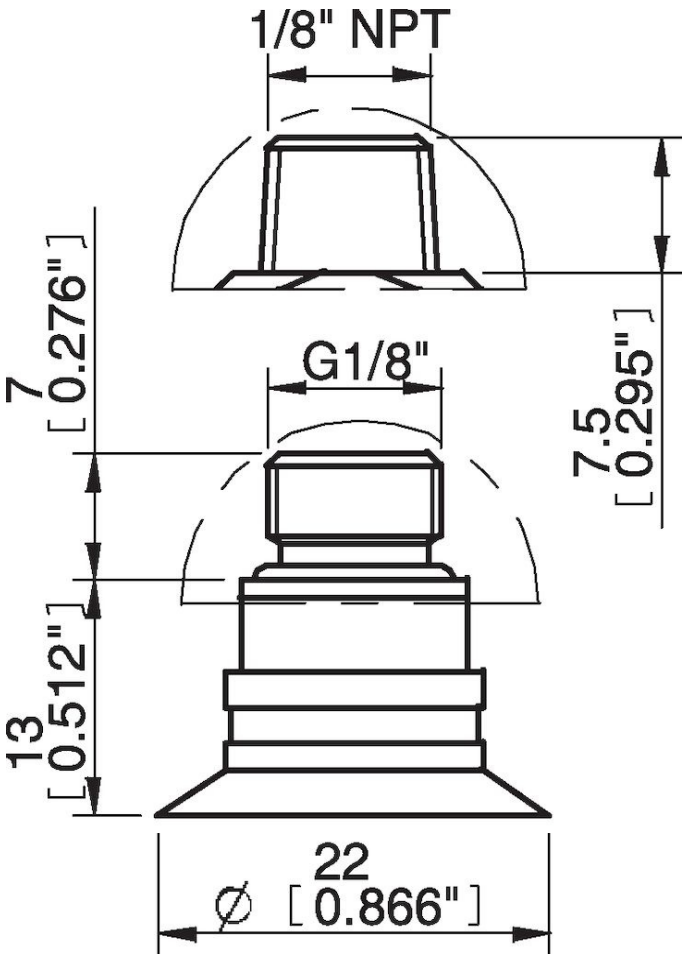
Material

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
Weather and ozone	Good

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
0100260 | Fitting 5xM5 female
0101130 | Suction cup F20 Silicone
0101152 | Fitting G1/8" male/M5 female, with mesh filter
3150196 | Fitting G1/8" male/M5 female, PA
3250003 | Fitting M5 female
3250004 | Fitting G1/8" male/M5 female
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
0101129 | Suction cup F20 Chloroprene
3250085 | Fitting G1/8" male, with mesh filter