Datasheet

Suction cup F40-2 Silicone, NPTG1/4" male, with dual flow control valve

Article number: 0101556

- 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	-	Silicone (SIL)
Weight, min.	g	5.5
Suction cup model	-	F
Volume	cm^3	4.8
Leakage flow, max.	Nl/s	0.13
Height	mm	28
Outer diameter, min.	mm	42
Fitting size	-	1/4"
Fitting option	-	Dual flow control valve, Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Valve restriction	mm	0.9
Suction cup model	-	F40-2
Movement, vertical max.	mm	1.8
Curve radius, min.	mm	52

Performance - Lifting forces

F40-2	Vertical (N)	Parallel (N)
20 -kPa	20	15
60 -kPa	40	25
90 -kPa	50	30

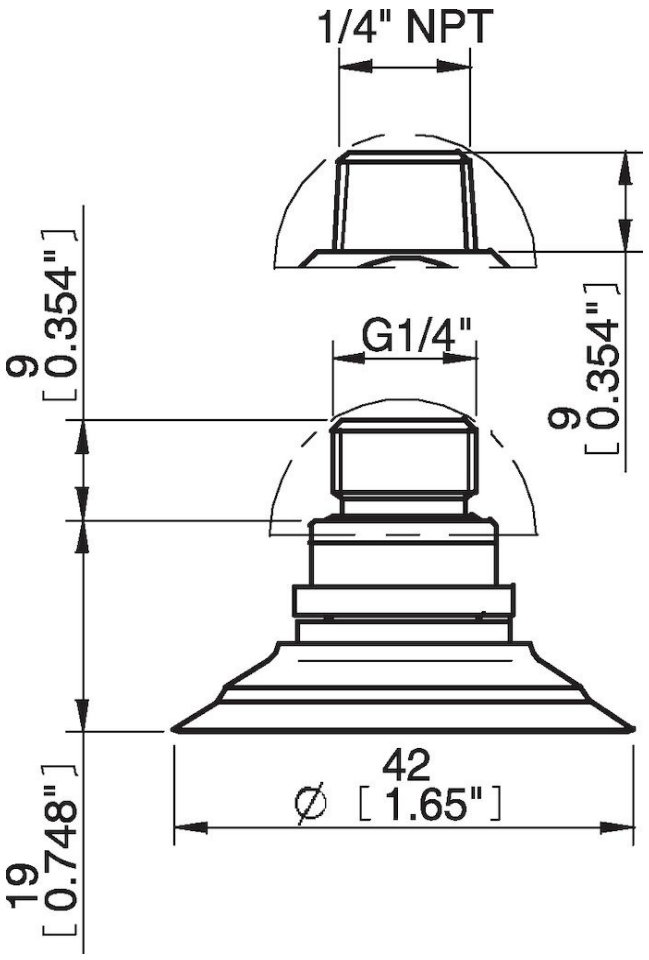
Material

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

0100261 | Fitting 5x1/8" NPSF female, 30–40
0101135 | Suction cup F40-2 Nitrile-PVC
0101153 | Fitting 1/8" NPSF female, 30–40, with mesh filter
0101156 | Fitting 1/8" NPSF female, 30–40, with cone valve
3150197 | Fitting 1/8" NPSF female, 30–40, PA
3250005 | Fitting 1/8" NPSF female, 30–40
3250086 | Fitting G3/8" male, 30–40, with mesh filter
3250089 | Fitting 3/8" NPT male, with mesh filter
3250091 | Fitting G1/4" male, 30–40, with mesh filter
3250093 | Fitting 1/4" NPT male, with mesh filter
3251006 | Fitting 1/8" NPSF female, 30–40, with dual flow control valve
3251008 | Fitting 1/4" NPT male, with dual flow control valve
3251009 | Fitting G3/8" male, 30–40, with mesh and dual flow control valve
3251010 | Fitting 3/8" NPT male, with dual flow control valve
3251011 | Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve

Spare parts

0101136 | Suction cup F40-2 Silicone
3251007 | Fitting G1/4" male, 30–40, with mesh filter and dual flow control valve