

Datasheet

Suction cup F40-2 Silicone, 1/8" NPSF female, with mesh filter

Item number: F40-2.20.04AG



- 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.	oz	0.19
Suction cup model	-	F
Volume	in ³	0.29
Height	in	0.83
Outer diameter, min.	in	1.65
Outer diameter, actuated	in	1.72
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	F40-2
Movement, vertical max.	in	0.071
Curve radius, min.	in	2.047

Performance - Lifting forces

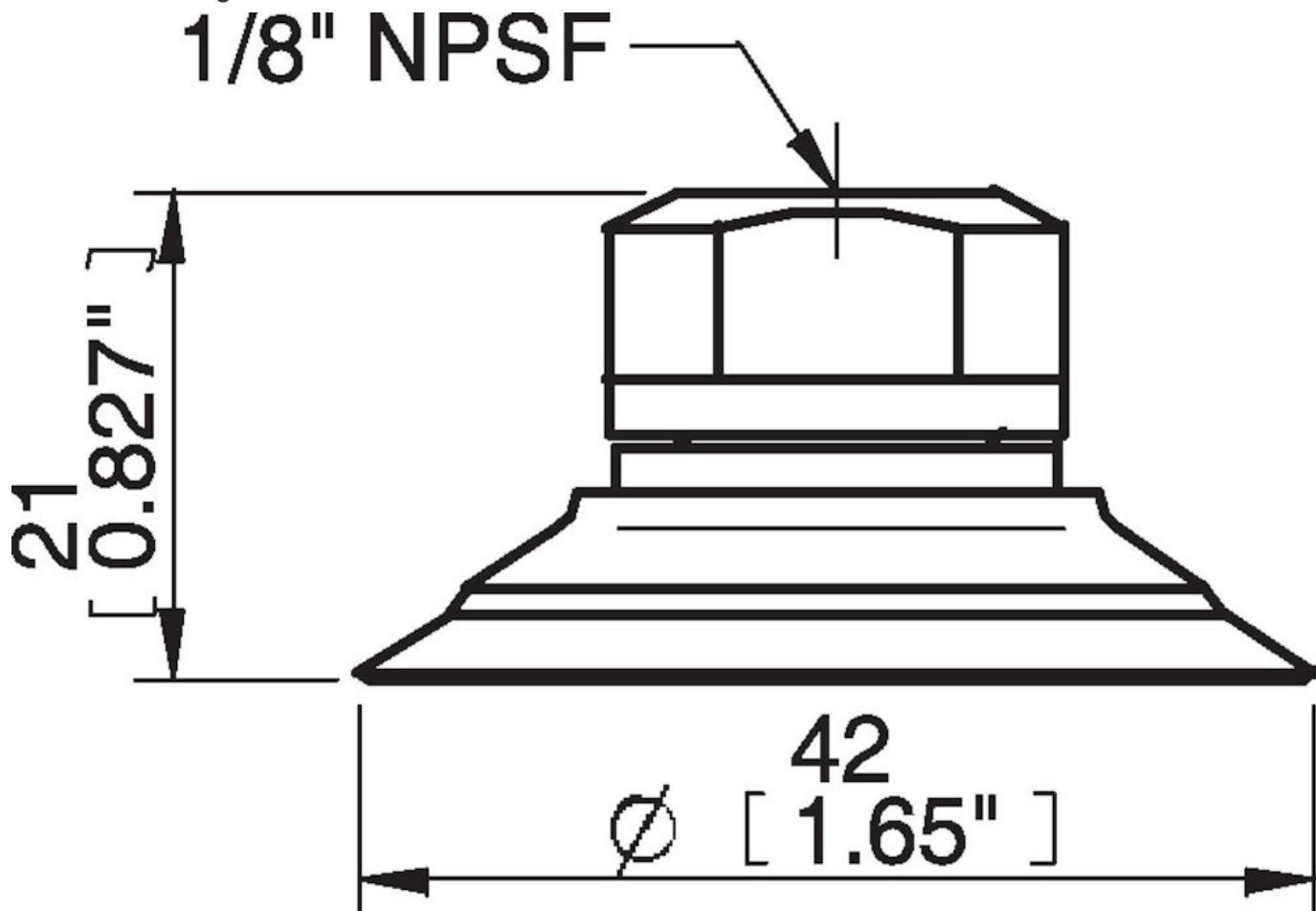
F40-2	Vertical (lb)	Parallel (lb)
5.91 -inHg	4.50	3.37
17.72 -inHg	8.99	5.62
26.58 -inHg	11.24	6.74

Material	
Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min. °F	-40.0
Temperature max. °F	392.0
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Gasoline	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

F40-2.30 | Suction cup F40-2 Nitrile-PVC
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter
04UV | Fitting 1/8" NPSF female, 30–40, with cone valve
04CA | Fitting 1/8" NPSF female, 30–40, PA
04AA | Fitting 1/8" NPSF female, 30–40
04AD | Fitting G3/8" male, 30–40, with mesh filter
04AE | Fitting 3/8" NPT male, with mesh filter
04AB | Fitting G1/4" male, 30–40, with mesh filter
04AC | Fitting 1/4" NPT male, with mesh filter
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve
04DB | Fitting G1/4" male, 30–40, with dual flow control valve
04DC | Fitting 1/4" NPT male, with dual flow control valve
04DD | Fitting G3/8" male, 30–40, with dual flow control valve
04DE | Fitting 3/8" NPT male, with dual flow control valve
04DF | Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve

Spare parts

F40-2.20 | Suction cup F40-2 Silicone
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter