

Suction cup F15 Silicone

Item number: F15.20



- 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	0.032
Suction cup model	-	F
Volume	in ³	0.023
Height	in	0.43
Outer diameter, min.	in	0.62
Outer diameter, actuated	in	0.63
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	F15
Movement, vertical max.	in	0.039
Curve radius, min.	in	0.51

Performance - Lifting forces

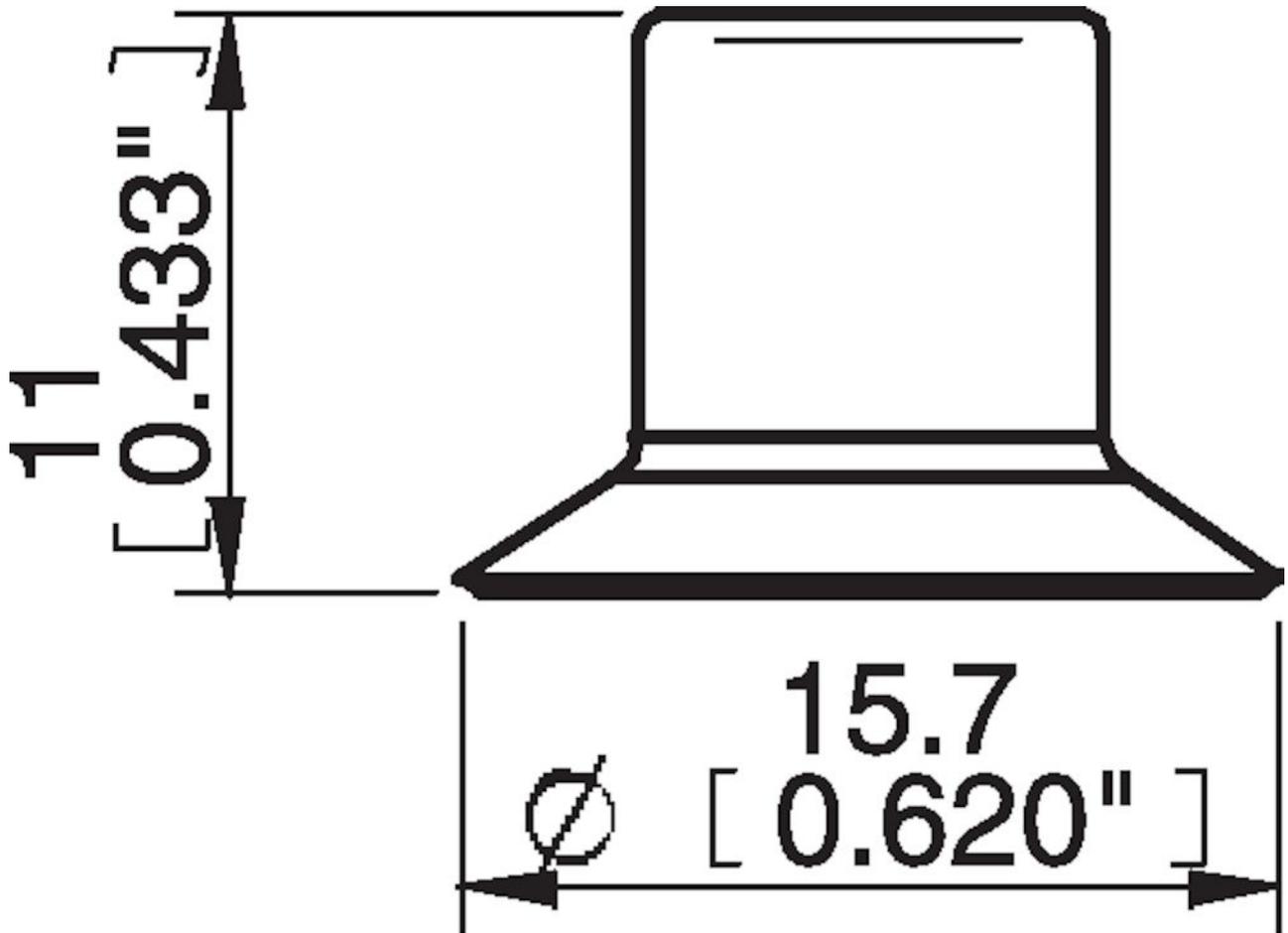
F15	Vertical (lb)	Parallel (lb)
5.91 -inHg	0.79	0.79
17.72 -inHg	1.91	1.46
26.58 -inHg	2.47	1.69

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

01AC | Fitting M5 male, 10–15