Datasheet

Suction cup FC50 Nitrile-PVC 60, G3/8" male - 1/8" NPSF female

Article number: 3150066P

- Suitable for slightly domed and flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- The suction cups have cleats that prevent thin objects from being disfigured.
- DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat Concave
Application	-	Dry sheet metal, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Mark free
Material	-	Nitrile-PVC (NPV)
Weight, min.	g	29
Suction cup model	-	FC
Volume	cm^3	10
Height	mm	33.5
Outer diameter, min.	mm	50
Outer diameter, actuated	mm	53.2
Fitting size	-	3/8", 1/8"
Fitting style	-	Female/Male
Fitting type	-	G-thread, NPSF-thread
Suction cup model	-	FC50P NPVC60
Movement, vertical max.	mm	5
Curve radius, min.	mm	53

Performance - Lifting forces

FC50P NPVC60	Vertical (N)	Parallel (N)
20 -kPa	28	52
60 -kPa	77	93
90 -kPa	104	111

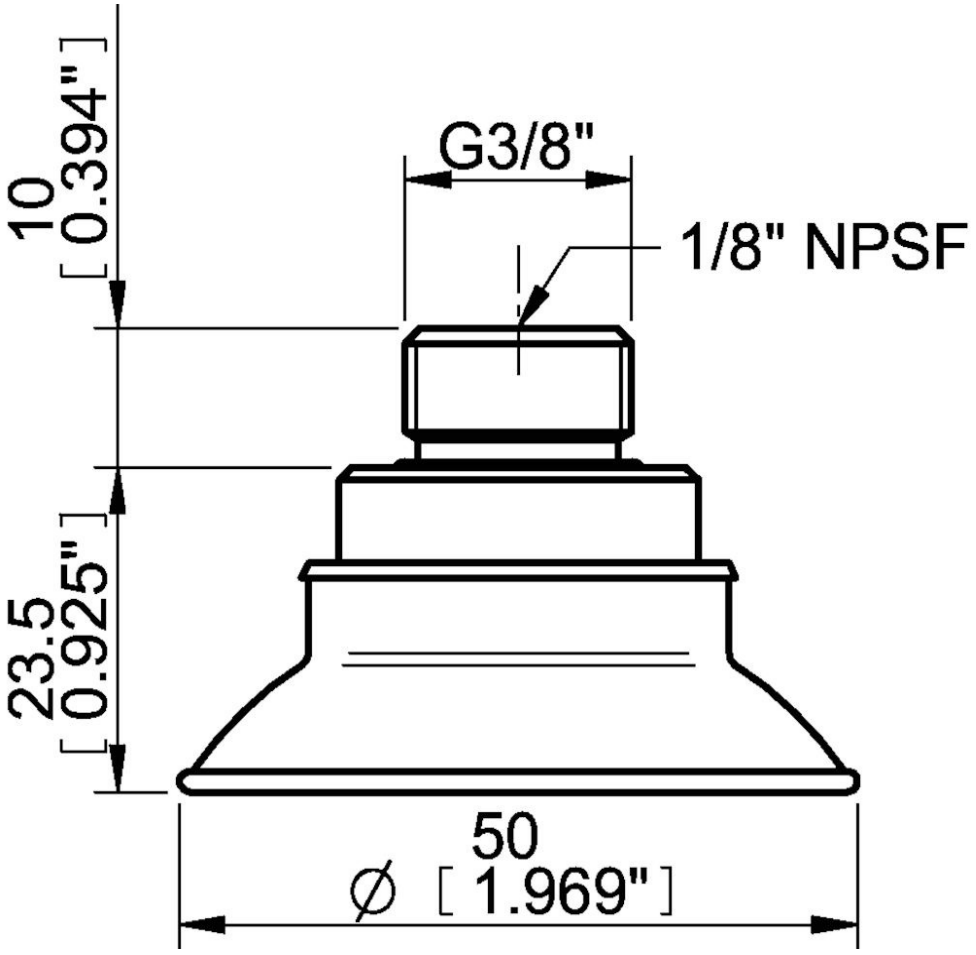
Material

Name	Nitrile-PVC (NPV)
Colour	Black
Temperature, min. | °C	0
Temperature max. | °C	90
Hardness | °Shore A	60

Material resistance

Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Good
Petrol	Excellent
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.