

# Suction cup FC50P Polyurethane 60, G3/8" male - 1/8" NPSF female

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- 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	-	Polyurethane (PU)
Weight, min.	g	28
Suction cup model	-	FC
Volume	cm <sup>3</sup>	10
Height	mm	33.5
Outer diameter, min.	mm	50
Outer diameter, actuated	mm	53.2
Fitting size	-	3/8", 1/8"
Fitting option	-	None
Fitting style	-	Female/Male
Fitting type	-	G-thread, NPSF-thread
Suction cup model	-	FC50P PU60
Movement, vertical max.	mm	5
Curve radius, min.	mm	53

## Performance - Lifting forces

FC50P PU60	Vertical (N)	Parallel (N)
20 -kPa	28	52
60 -kPa	77	93
90 -kPa	104	111

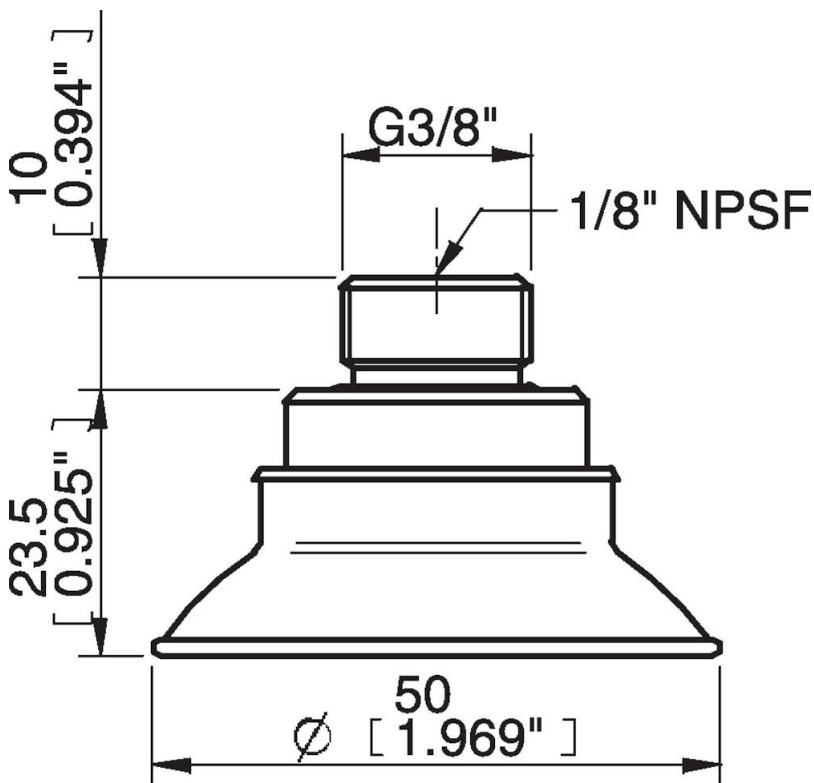
## Material

Name	Polyurethane (PU60)
Colour	Green transparent
Temperature, min.   °C	10
Temperature max.   °C	50
Hardness   °Shore A	60

## Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Petrol	Fair
Wear resistance	Excellent
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.