

# Datasheet

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

Item number: FC50P.4E.05UB



- 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® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

### Technical data

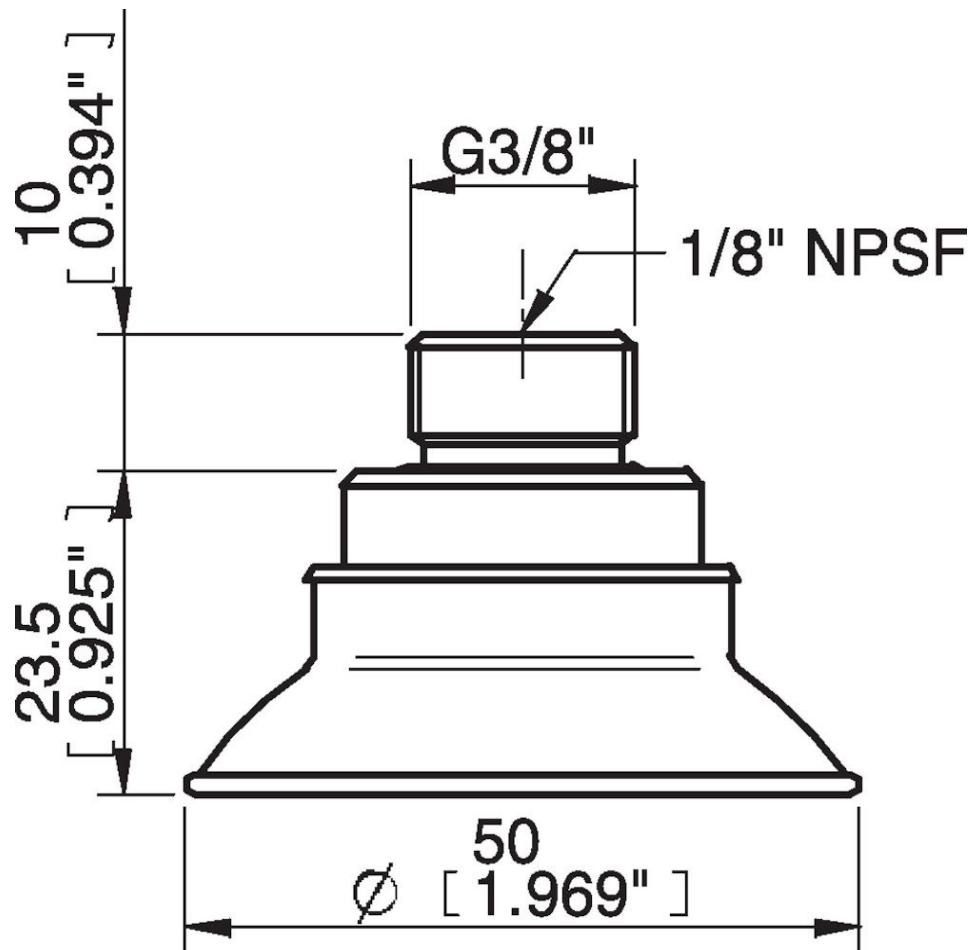
Description	Unit	Value
Suction cup shape	-	Flat Concave
Application	-	Dry sheet metal, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	0.99
Suction cup model	-	FC
Volume	in <sup>3</sup>	0.61
Height	in	1.32
Outer diameter, min.	in	1.97
Outer diameter, actuated	in	2.094
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.	in	0.20
Curve radius, min.	in	2.087

### Performance - Lifting forces

FC50P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	6.29	11.69
17.72 -inHg	17.31	20.91
26.58 -inHg	23.38	24.95

<b>Material</b>	
Name	Polyurethane (PU60)
Color	Green transparent
Temperature, min.   °F	50.0
Temperature max.   °F	122.0
Hardness   °Shore A	60
<b>Material resistance</b>	
Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	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.