

## Suction cup FC100 Nitrile-PVC 60, 3/8" NPSF female, with mesh filter

Article number: 0101882



- 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	136
Suction cup model	-	FC
Volume	cm <sup>3</sup>	80
Height	mm	40
Outer diameter, min.	mm	100
Outer diameter, actuated	mm	105
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Material	-	Nitrile-PVC (NPV)
Suction cup model	-	FC100P NPVC60
Movement, vertical max.	mm	10.2
Curve radius, min.	mm	110

### Performance - Lifting forces

FC100P NPVC60	Vertical (N)	Parallel (N)
20 -kPa	152	112
60 -kPa	328	264
90 -kPa	446	382

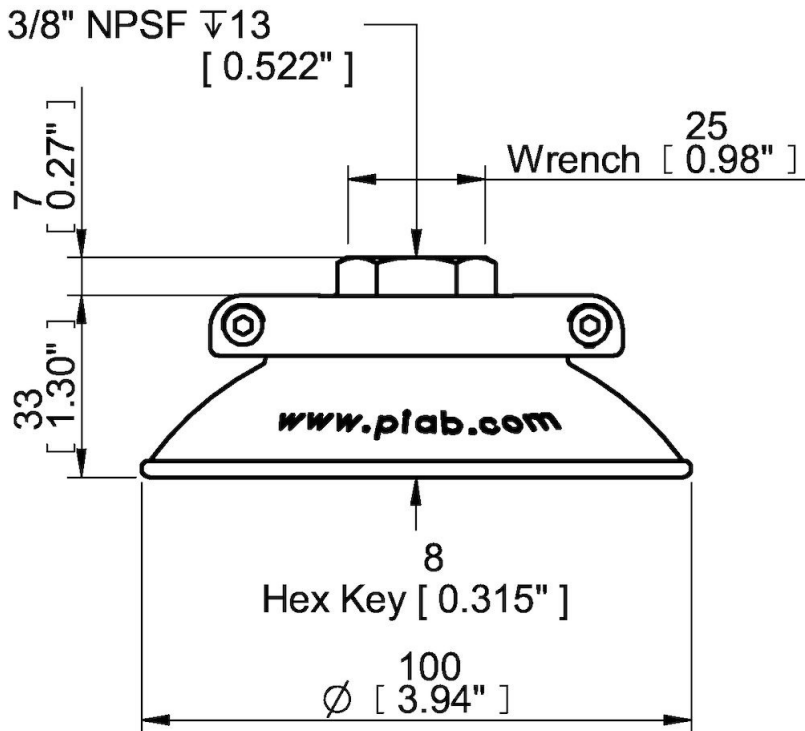
## Material

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.