

# Suction cup FC100P Polyurethane 40, G1/2" female, with mesh filter, 0103740



- 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.

## General

Curve radius	110 mm
Movement, vertical max.	10.2 mm
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU40)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	80 cm <sup>3</sup>
Weight	64 g

## Fitting

Fitting size	1/2"
Fitting style	Female
Fitting type	G-thread
Fitting option	Filter mesh

## Dimension

Height	40 mm
Outer diameter	100 mm

## Performance — lifting forces

		
20 -kPa	137 N	176 N
60 -kPa	284 N	318 N
90 -kPa	377 N	420 N

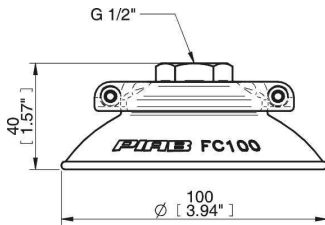
## Material

	Polyurethane (PU40)
Colour	Red transparent
Hardness	40 °Shore A
Temperature	10 – 50 °C

## Material resistance

	Polyurethane (PU40)
Alcohol	N/A
Concentrated acids	+
Ethanol	+
Hydrolysis	+
Methanol	-
Oil	+++
Oxidation	-
Petrol	+
Wear resistance	+++
Weather and ozone	+++

## Dimensional drawings



## Values specified in the data sheet are tested at:

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	0-100%
Compressed air quality	DIN ISO 8573-1 class 4

## Spare parts

	Item no.
Suction cup FC100P Polyurethane 40	0103297
Fitting 75, G1/2" female, with mesh filter	0100555

## Accessories

	Item no.
Suction cup FC100P Polyurethane 60	0103299
Suction cup FC100P Polyurethane 40, for tread insert	0106835
Suction cup FC100P Polyurethane 60, for tread insert	0107304
Fitting 75, 1/8" NPSF female, with mesh filter	0100548
Fitting 75, G3/8" female, with mesh filter	0100551
Fitting 75, 3/8" NPSF female, with mesh filter	0100553
Thread insert G3/8" male, with O-ring and mesh filter	0107148