

# Suction cup FC25P Polyurethane 50, 0104803

- Suitable for lifting small objects and narrow parts, also slightly domed, 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	45 mm
Movement, vertical max.	4 mm
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU50)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	3 cm <sup>3</sup>
Weight	3 g

## Fitting

Fitting size	None
Fitting style	None
Fitting type	None
Fitting option	None

## Dimension

Height	11 mm
Outer diameter	28.5 mm

## Performance — lifting forces

		
20 -kPa	8 N	9 N
60 -kPa	20 N	12 N
90 -kPa	27 N	18 N

## Material

	Polyurethane (PU50)
Colour	Blue transparent
Hardness	50 °Shore A
Temperature	10 – 50 °C

## Material resistance

	Polyurethane (PU50)
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

## Accessories

	Item no.
Fitting M5 female, with dual flow control valve	3251001
Fitting M5 female	3250003
Fitting G1/8" male/M5 female, with mesh filter	0101152
Fitting G1/8" male/M5 female, with dual flow control valve	3251004
Fitting G1/8" male/M5 female	3250004
Fitting G1/8" male, with mesh filter	3250085
Fitting 5xM5 female, with dual flow control valve	3251005
Fitting 5xM5 female	0100260
Fitting 1/8" NPT male, with mesh filter	3250088
Fitting 1/8" NPT male, with dual flow control valve	3251003