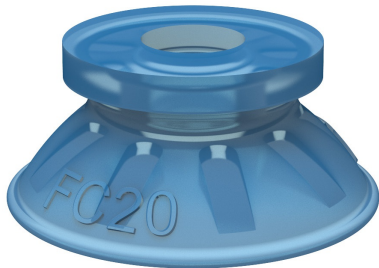


Suction cup FC20P Polyurethane 50, 0106016

- 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	25 mm
Movement, vertical max.	1.9 mm
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU50)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	1 cm ³
Weight	1.3 g

Fitting

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

Dimension

Height	9.4 mm
Outer diameter	21.8 mm

Performance — lifting forces

		
20 -kPa	4.5 N	4.5 N
60 -kPa	12 N	9 N
90 -kPa	16 N	12 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