

Suction cup FC35P Polyurethane 60, 0103291



- 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	32 mm
Movement, vertical max.	5.5 mm
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU60)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	5 cm ³
Weight	6 g

Fitting

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

Dimension

Height	15 mm
Outer diameter	35 mm

Performance — lifting forces

		
20 -kPa	11 N	27 N
60 -kPa	34 N	41 N
90 -kPa	49 N	51 N

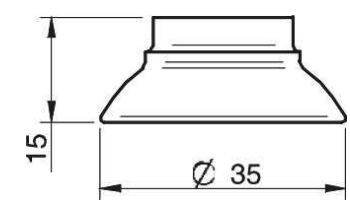
Material

	Polyurethane (PU60)
Colour	Green transparent
Hardness	60 °Shore A
Temperature	10 – 50 °C

Material resistance

	Polyurethane (PU60)
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 1/4" NPT male, with dual flow control valve	3251008
Fitting 1/4" NPT male, with mesh filter	3250093
Fitting 1/8" NPSF female, 30–40	3250005
Fitting 1/8" NPSF female, 30–40, with dual flow control valve	3251006
Fitting 1/8" NPSF female, 30–40, with mesh filter	0101153
Fitting 3/8" NPT male, with dual flow control valve	3251010
Fitting 3/8" NPT male, with mesh filter	3250089
Fitting 5x1/8" NPSF female, 30–40	0100261
Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve	3251011
Fitting G1/4" male, 30–40, with mesh filter	3250091
Fitting G1/4" male, 30–40, with mesh filter and dual flow control valve	3251007
Fitting G3/8" male, 30–40, with mesh and dual flow control valve	3251009
Fitting G3/8" male, 30–40, with mesh filter	3250086