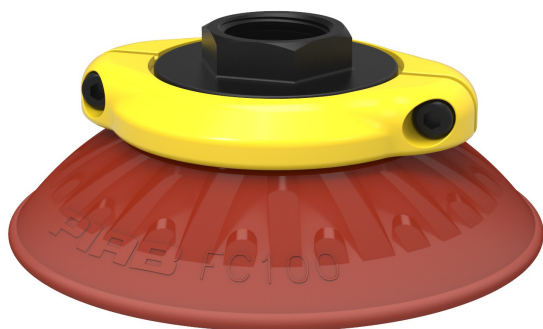


Suction cup FC100P Polyurethane 40, G1/2" female

, FC100P.4C.07NF



- 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® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

General

Curve radius	4.33 in
Movement, vertical max.	0.40 in
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU40)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	4.88 in ³
Weight	2.26 oz

Fitting

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

Dimension

Height	1.57 in
Outer diameter	3.94 in

Performance — lifting forces

		
6 -inHg	30.8 lbf	39.6 lbf
18 -inHg	63.8 lbf	71.5 lbf
27 -inHg	84.8 lbf	94.4 lbf

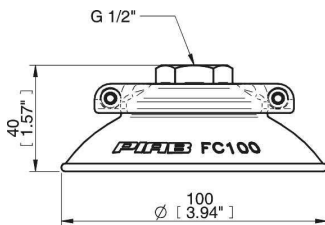
Material

	Polyurethane (PU40)
Color	Red transparent
Hardness	40 °Shore A
Temperature	50 – 122 °F

Material resistance

	Polyurethane (PU40)
Alcohol	N/A
Concentrated acids	+
Ethanol	+
Hydrolysis	+
Methanol	-
Oil	+++
Oxidation	-
Gasoline	+
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

	Part no.
Suction cup FC100P Polyurethane 40	FC100P.4C
Fitting 75, G1/2" female, clamp ring with mesh filter	07NF

Accessories

	Part no.
Suction cup FC100P Polyurethane 60	FC100P.4E
Suction cup FC100P Polyurethane 40 with collar for Vacuum Gripper System (VGS)	FC100P.5C
Suction cup FC100P Polyurethane 60 with collar for Vacuum Gripper System (VGS)	FC100P.5E
Fitting 75, 1/8" NPSF female, clamp ring with mesh filter	07NA
Fitting 75, G3/8" female, clamp ring with mesh filter	07ND
Fitting 75, 3/8" NPSF female, with mesh filter	07NE
Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)	01.07.148