

Suction cup FC75P Polyurethane 40, thread insert G3/8" with mesh filter for Vacuum Gripper System (VGS), FC75P.5C.G40M



- 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	3.07 in
Movement, vertical max.	0.26 in
Application	Mark Free, Dry sheet metal
Material	Polyurethane (PU40)
Suction cup model	FC
Suction cup shape	Flat Concave
Volume	1.83 in ³
Weight	1.59 oz

Fitting

Fitting size	3/8"
Fitting style	Male
Fitting type	G-thread
Fitting option	Filter mesh

Dimension

Height	1.34 in
Outer diameter	2.95 in

Performance — lifting forces

		
6 -inHg	16.4 lbf	24.1 lbf
18 -inHg	35.3 lbf	45 lbf
27 -inHg	48.3 lbf	51.7 lbf

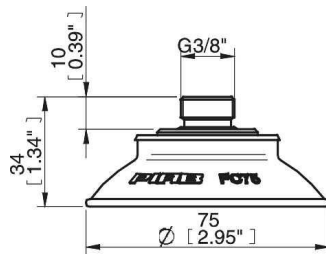
Material

	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.
Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)	01.07.148
Suction cup FC75P Polyurethane 40, for tread insert	01.06.948