



Item no: 0107302

Suction cup FC75P Polyurethane 60, for tread insert

DURAFLEX® suction cups have been developed to meet the strict demands of the automotive industry. A typical application is the feeding of sheet metal into a press tool. The slightly curved shape and internal cleats provide a good grip and the strengthened lip extends the life of the cup considerably. Also available in oval shape for oblong objects.

- 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

Application	MarkFree, DrySheetMetal
Suction cup shape	Flat Concave
Material	Polyurethane (PU60)
Suction cup model	FC
Weight	45 g
Volume	30 cm ³
Suction cup model	FC75P PU60
Movement, vertical max.	8.2 mm
Curve radius, min.	78 mm

Fitting

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

Dimension

Height	24 mm
Outer diameter	75 mm


Performance - lifting forces

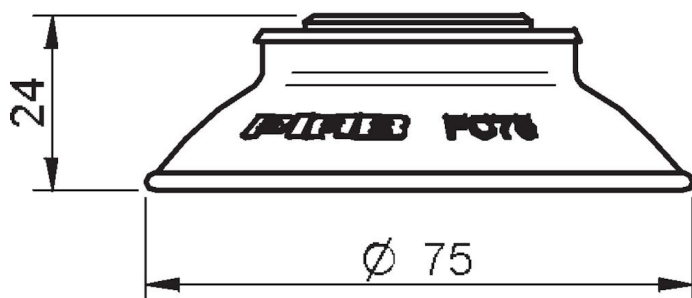
	FC75P PU60	↑	↗
20 -kPa		73 N	93 N
60 -kPa		168 N	225 N
90 -kPa		225 N	255 N

Material

Name	PU60
Colour	GreenTransparent
Temperature	10 - 50 °C
Hardness	60 °Shore A

	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
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Accessories

0107148 | Thread insert G3/8" male, with O-ring and mesh filter