

Suction cup OBF15x35P H Polyurethane 60, G1/4" male , 0207581



- Special designed friction cups for oily surfaces, such as sheets in metal forming processes.
- Normal wear on friction cup will not affect the long term shear force performance.
- Best choice if > 0,1g/m² press oil is used on the sheet.
- Thanks to the strong grip on oily surfaces, the suction cups can withstand high shear forces, typically 2–4 times more than corresponding conventional suction cups.
- The small "OBF" cups are suitable for narrow objects with curved or flat surfaces and small gripping areas, such as those encountered with body parts in the automotive industry.
- Can handle objects with minor height differences.
- Available in a high (H) version, suitable for picking on narrow submerged surfaces, where a wider fitting otherwise will interfere with the object. Examples are frames and structural parts for the car.
- 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

Specification	Oily metal sheet
Curve radius	20 mm
Movement, vertical max.	2.9 mm
Application	Oily sheet metal
Material	Polyurethane (PU60), Brass
Suction cup model	OBF
Suction cup shape	Oval Bellows
Volume	1.8 cm ³
Weight	28 g

Fitting

Fitting size	1/4"
Fitting style	Male
Fitting type	G-thread
Fitting option	None
Material	Brass

Dimension

Height	42.4 mm
Length	36 mm
Length, actuated	36.5 mm
Width	15 mm
Width, actuated	15 mm

Performance — lifting forces, Oily metal sheet

		
60 -kPa	19 N	5 N
90 -kPa	24 N	6 N

Performance — lifting forces, Dry metal sheet

		
60 -kPa	25 N	21 N
90 -kPa	31 N	25 N

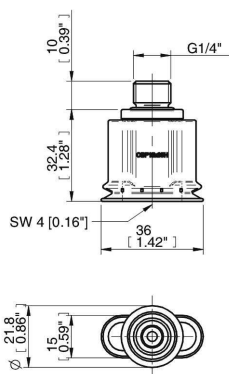
Material

	Polyurethane (PU60)
Colour	Orange
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