

# Suction cup OCF20×50 Polyurethane 60, G1/4" male

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- 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 "OCF" design is suitable for oblong objects with slightly curved or flat surfaces.
- 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.

## Technical data

Description	Unit	Value
Suction cup shape	-	Concave
Application	-	Oily sheet metal
Suction cup design	-	Oval
Characteristics	-	Oily sheet metal
Material	-	Polyurethane (PU)
Weight, min.	g	41
Suction cup model	-	OCF-P
Volume	cm <sup>3</sup>	3.8
Height	mm	29.1
Length	mm	53.9
Fitting size	-	1/4"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	G-thread
Width	mm	23.9
Length, actuated	mm	56
Width, actuated	mm	26.5
Material	-	Brass
Suction cup model	-	OCF20x50P Oily metal sheet
Movement, vertical max.	mm	3
Curve radius, min.	mm	20
Suction cup model	-	OCF20x50P Dry metal sheet
Movement, vertical max.	mm	3
Curve radius, min.	mm	20

## Performance - Lifting forces

	Vertical (N)	Parallel (N)
OCF20x50P Oily metal sheet		
60 -kPa	45	28
90 -kPa	65	35
OCF20x50P Dry metal sheet		
60 -kPa	51	57
90 -kPa	72	72

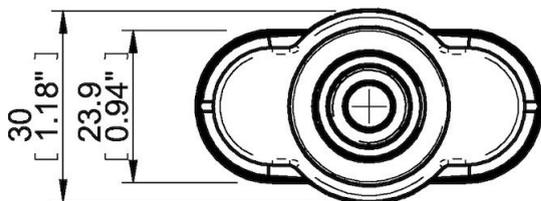
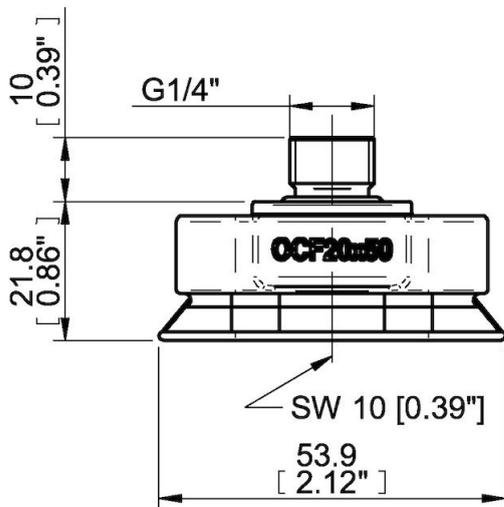
## Material

Name	Polyurethane (PU60)
Colour	Orange
Temperature, min.   °C	10
Temperature max.   °C	50
Hardness   °Shore A	60

## Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Petrol	Fair
Wear resistance	Excellent
Weather and ozone	Excellent

## Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- 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 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.