

Suction cup OCF40x110P Polyurethane 55/60, G3/8" female

Item number: OCF40X110P.5R.G46W



- 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, such as those encountered with body parts in the automotive industry.
- Fitting option, male G3/8", with a swivel function prior to the locking operation, for easy positioning of the oval cup.
- 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.	oz	1.94
Suction cup model	-	OCF-P
Volume	in ³	2.075
Height	in	1.40
Length	in	4.45
Fitting size	-	3/8"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	G-thread
Width (1)	in	1.69
Suction cup model	-	OCF40X110P Dry metal sheet
Movement, vertical max.	in	0.21
Curve radius, min.	in	1.65
Suction cup model	-	OCF40X110P Oily steel plate
Movement, vertical max.	in	0.21
Curve radius, min.	in	1.65

OCF40X110P Dry metal sheet

Name	Polyurethane (PU55)	Polyurethane (PU60)
Color	Orange	Green transparent
Temperature, min. °F	50.0	50.0
Temperature max. °F	122.0	122.0
Hardness °Shore A	55	60

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

Technical drawing of the OCF40x110 connector, showing front and side views with dimensions in millimeters (mm) and inches (").

Front View Dimensions:

- Overall width: 113 mm [4.45"]
- Overall height: 21.5 mm [0.85"]
- Top flange height: 14 mm [0.55"]
- Mounting hole diameter: 2x Ø 4.5 mm [0.18"]
- Distance between mounting holes: 58 mm [2.28"]
- Thread specification: G3/8"

Side View Dimensions:

- Overall length: 43 mm [1.69"]
- Distance from mounting hole to center of thread: 8 mm [0.31"] (SW 8)
- Distance from center of thread to end of flange: 22 mm [0.87"] (SW 22)

The drawing also includes the **ptab** logo and the model number **OCF40x110** on both views.

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.