



Item no: OCF20x80P.5R.N47W

Suction cup OCF20x80P Polyurethane 55/60, 3/8" NPT female

- 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.

General

Suction cup shape	Concave
Application	Oily sheet metal
Suction cup design	Oval
Characteristics (for filtering)	Oily sheet metal
Material	Polyurethane (PU)
Suction cup model	OCF-P
Weight	0.85 oz
Volume	0.92 in³
Suction cup model	OCF20x80P Dry metal sheet
Specification	Dry metal sheet
Movement, vertical max.	0.13 in
Curve radius, min.	0.79 in
Suction cup model	OCF20x80P Oily steel plate
Specification	Oily steel plate

Fitting option	None
Fitting size	3/8"
Fitting style	Female
Fitting type	NPT-thread

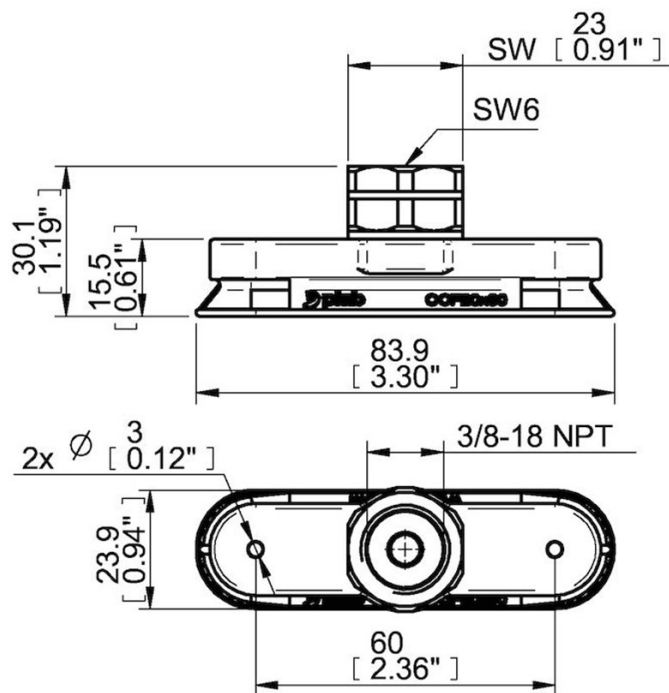
Height	1.19 in
Length	3.31 in
Width (1)	0.94 in

Performance - lifting forces

OCF20x80P Dry metal sheet		
17.72 -inHg	16.86 lbf	17.54 lbf
26.58 -inHg	24.95 lbf	25.18 lbf
OCF20x80P Oily steel plate		
17.72 -inHg	18.43 lbf	7.87 lbf
26.58 -inHg	20.23 lbf	10.79 lbf

Material		
Name		
Color	Orange	
Temperature	50 - 122 °F	50 - 122 °F
Hardness	55 °Shore A	60 °Shore A

Alcohol	n/a	n/a
Concentrated acids	+	+
Ethanol	+	+
Hydrolysis	+	+
Methanol	-	-
Oil	+++	+++
Oxidation	-	-
Gasoline	+	+
Wear resistance	+++	+++
Weather and ozone	+++	+++



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