



Item no: 0122456

### Suction cup OCF30x90P Polyurethane 55/60, G3/8" male





Special designed friction cups for oily surfaces, such as sheets in metal forming processes. 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-P design is suitable for oblong objects with... slightly domed and flat surfaces, such as those encountered with body parts in the automotive industry. The suction cups have support 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.

- 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.
- 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		
Application	Oily sheet metal	
Suction cup shape	Oval Concave	
Material	PU55, PU60	
Suction cup model	OCF-P	
Weight	24 g	
Volume	17 cm³	
Suction cup model	OCF30X90P Dry metal sheet	
Specification	Dry metal sheet	
Movement, vertical max.	4.3 mm	
Curve radius, min.	25 mm	
Suction cup model	OCF30X90P Oily steel plate	
Specification	Oily steel plate	


Fitting		
Fitting option	None	
Fitting size	3/8"	
Fitting style	Male	
Fitting type	G-thread	

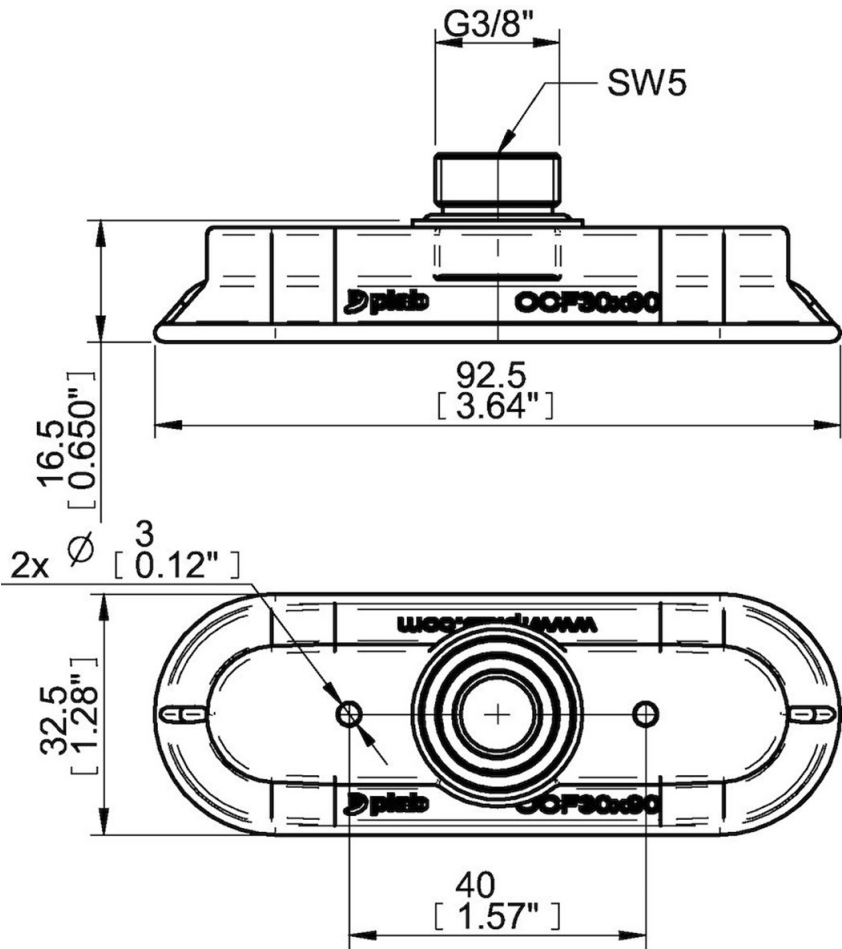
Dimension		
Height	26.5 mm	
Length	92.5 mm	
Width	32.5 mm	

Performance - lifting forces			
OCF30X90P Dry metal sheet			
60 -kPa	111 N		107 N
90 -kPa	157 N		160 N
OCF30X90P Oily steel plate			
60 -kPa	115 N		51 N
90 -kPa	159 N		74 N

Material			
Name	PU55	PU60	
Colour	Orange	GreenTransparent	
Temperature	10 - 50 °C	10 - 50 °C	
Hardness	55 °Shore A	60 °Shore A	

	PU55	PU60
Alcohol	n/a	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