



Item no: 0118437

### Suction cup FCF125P Polyurethane 55/60, G3/8" female





The FCF-P design is suitable for oily surfaces, slightly domed and flat surfaces, e.g., such as those encountered when handling metal sheets in press lines. 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  $> 0.1\text{g/m}^2$  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 "FCF" design is suitable for slightly domed and flat surfaces, e.g., such as those encountered when handling metal sheets in press lines.
- 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.

General		
Application	Oily sheet metal	
Suction cup shape	Flat Concave	
Material	PU55, PU60	
Suction cup model	FCF	
Weight	151 - 280 g	
Volume	100 cm³	
Suction cup model	FCF125P Oily steel plate	
Specification	Oily steel plate	
Movement, vertical max.	9.4 mm	
Curve radius, min.	150 mm	
Suction cup model	FCF125P Dry metal sheet	
Specification	Dry metal sheet	


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

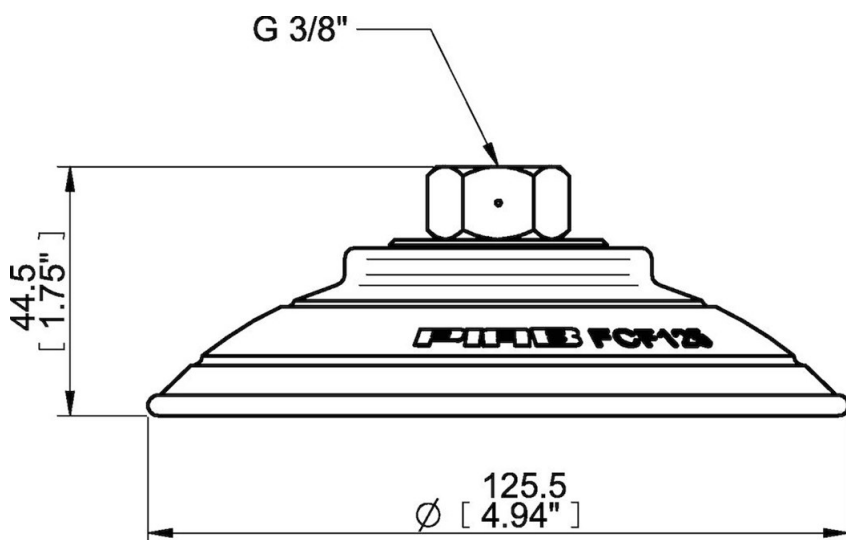
Dimension		
Height	44.5 mm	
Outer diameter, actuated	131 mm	
Outer diameter	126 mm	

Performance - lifting forces				
FCF125P Oily steel plate				
60 -kPa	405 N			194 N
90 -kPa	442 N			236 N
FCF125P Dry metal sheet				
60 -kPa	475 N			445 N
90 -kPa	650 N			602 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