

Suction cup DCF110P Polyurethane 60, G1/4" female, with mesh filter, 0206796



- Special designed friction cups for domed or flat oily surfaces, such as sheets in metal forming processes.
- Long lasting material, 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 but also a great choice for dry metal sheets.
- Refined internal friction pattern provides additional grip performance, the suction cups can withstand high shear forces, typically 3–5 times more than corresponding conventional suction cups.
- Thin design that easily will follow convex or concave surfaces. The thin and pliable design in combination with a special inner friction pattern will maximize grip performance.
- 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 and has a fantastic elastic memory, even after hundreds of thousands of cycles.

General

Specification	Oily metal sheet
Curve radius	153 mm
Movement, vertical max.	16 mm
Application	Oily sheet metal
Material	Polyurethane (PU60)
Suction cup model	DCF
Suction cup shape	Deep Concave
Volume	110.2 cm ³
Weight	112.1 g

Fitting

Fitting size	1/4"
Fitting style	Female
Fitting type	G-thread
Fitting option	Filter mesh

Dimension

Height	40.6 mm
Outer diameter	112.5 mm
Outer diameter, actuated	121.2 mm

Performance — lifting forces, Oily metal sheet

		
60 -kPa	313 N	286 N
90 -kPa	433 N	358 N

Performance — lifting forces, Dry metal sheet

		
60 -kPa	315 N	377 N
90 -kPa	436 N	573 N

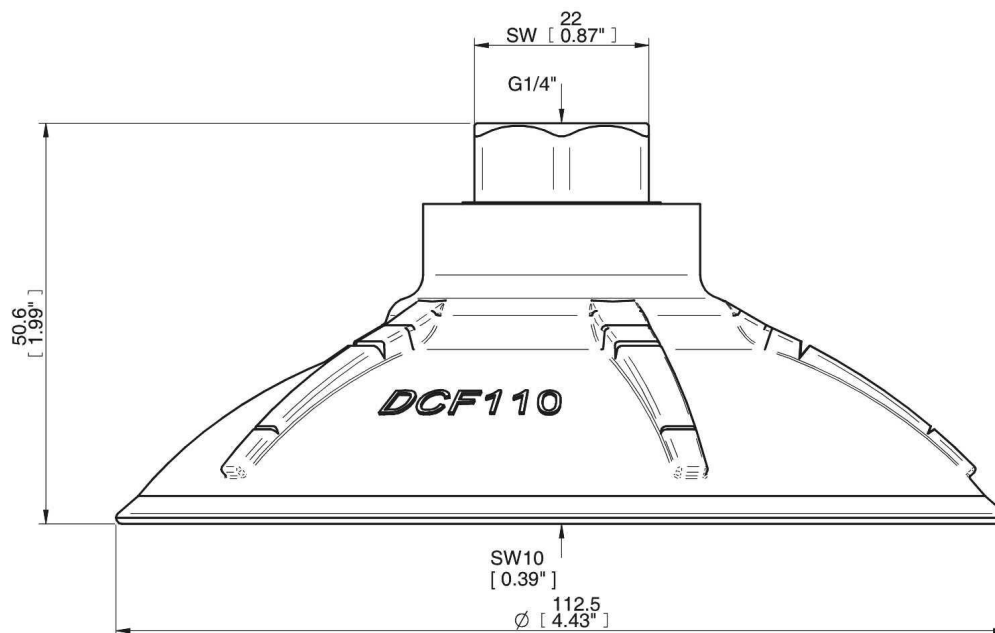
Material

	Polyurethane (PU60)
Colour	Orange
Hardness	60 °Shore A
Temperature	10 – 50 °C

Material resistance

	Polyurethane (PU60)
Alcohol	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

