

Suction cup FC100P Polyurethane 40

Item number: FC100P.4C



- Suitable for lifting small objects and narrow parts, also slightly domed, flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- The suction cups have 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.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat Concave
Suction cup design	-	Round
Characteristics	-	Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	2.26
Suction cup model	-	FC
Volume	in³	4.88
Height	in	1.063
Outer diameter, min.	in	3.94
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Fitting material	-	None
Suction cup model	-	FC100P PU40
Movement, vertical max.	in	0.4
Curve radius, min.	in	4.33

Performance - Lifting forces

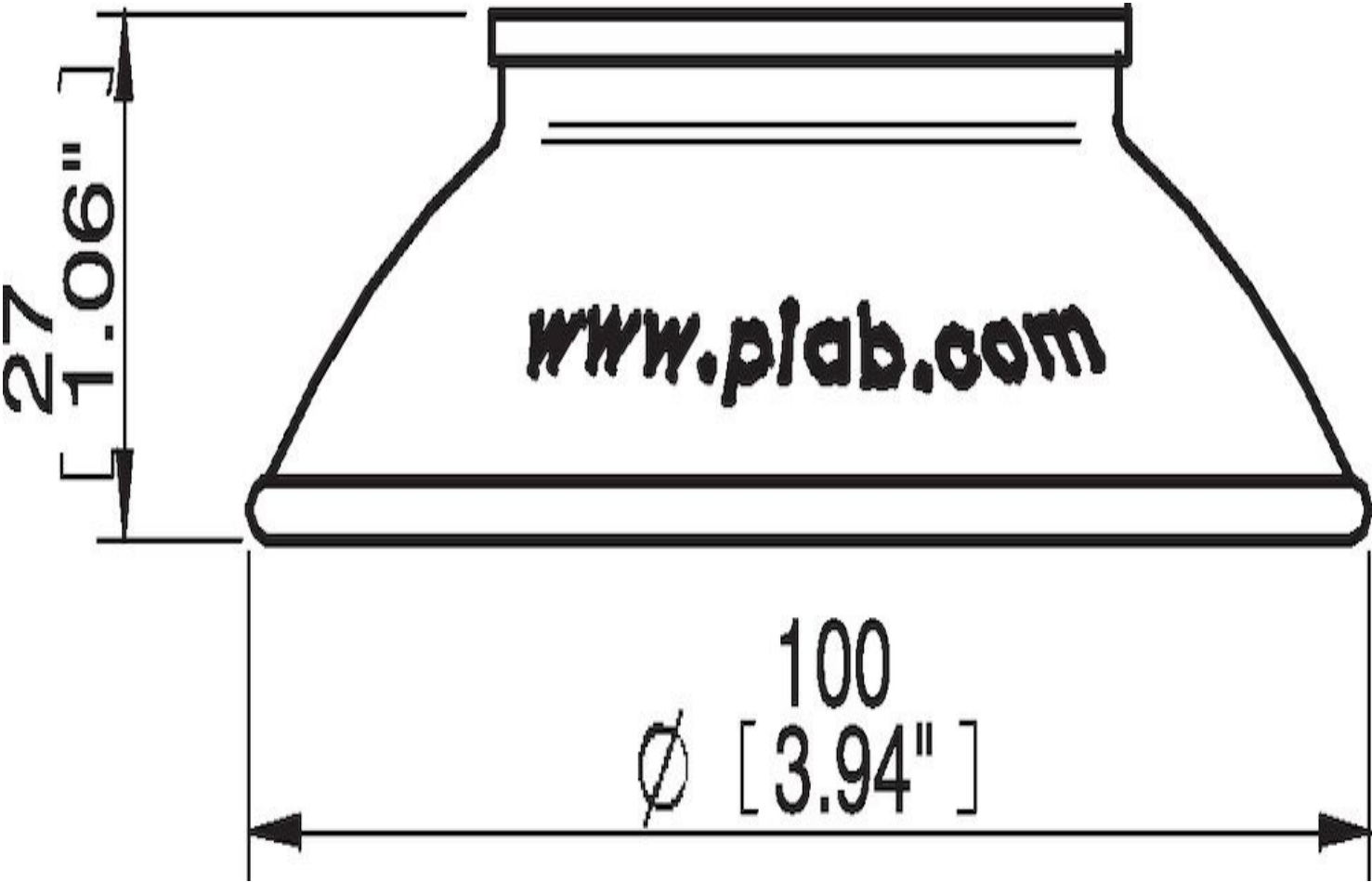
FC100P PU40	Vertical (lb)	Parallel (lb)
5.91 -inHg	30.8	39.57
17.72 -inHg	63.85	71.49
26.58 -inHg	84.75	94.42

Material	
Name	Polyurethane (PU40)
Color	Red transparent
Temperature, min. °F	50
Temperature max. °F	122
Hardness °Shore A	40

Material resistance

Alcohol	Not applicable
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	Fair
Wear resistance	Excellent
Weather and ozone	Excellent

Dimensional drawings



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.

Accessories

- 07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter
- 07ND | Fitting 75, G3/8" female, clamp ring with mesh filter
- 07NE | Fitting 75, 3/8" NPSF female, with mesh filter
- 07NF | Fitting 75, G1/2" female, clamp ring with mesh filter