

Suction cup B150 Nitrile-PVC

Article number: 3150109P



- Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- The lifting movement can be used to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.

Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Dry sheet metal, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Plastic injection molded parts
Material	-	Nitrile-PVC (NPV)
Weight, min.	g	265
Suction cup model	-	B
Volume	cm ³	650
Height	mm	71.3
Outer diameter, min.	mm	160
Outer diameter, actuated	mm	176
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	B150
Movement, vertical max.	mm	46.6
Curve radius, min.	mm	75

Performance - Lifting forces

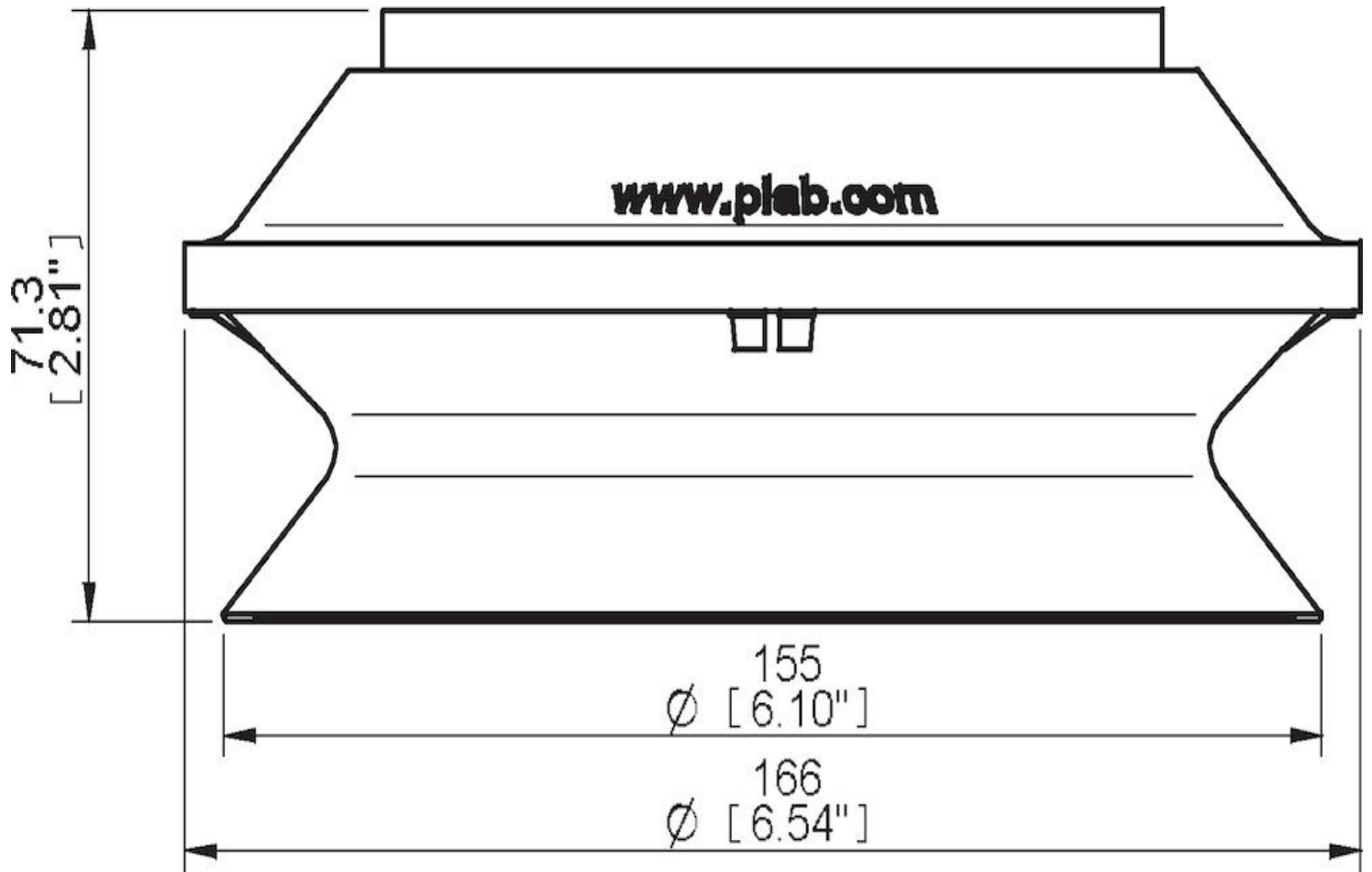
B150	Vertical (N)	Parallel (N)
20 -kPa	294	
60 -kPa	686	
90 -kPa	883	

Material	
Name	Nitrile-PVC (NPV)
Colour	Black
Temperature, min. °C	0
Temperature max. °C	90
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Good
Petrol	Excellent
Wear resistance	Excellent
Weather and ozone	Good

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

0100564 | Fitting 150, G1/2" female, with mesh filter

0100567 | Fitting 150, G3/4" female, with mesh filter

3250008 | Fitting G1/2" female AI, with mesh filter