

Datasheet

Suction cup B150 Nitrile-PVC, G3/4" female, clamp ring with mesh filter

Item number: B150.30.15NB



- 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

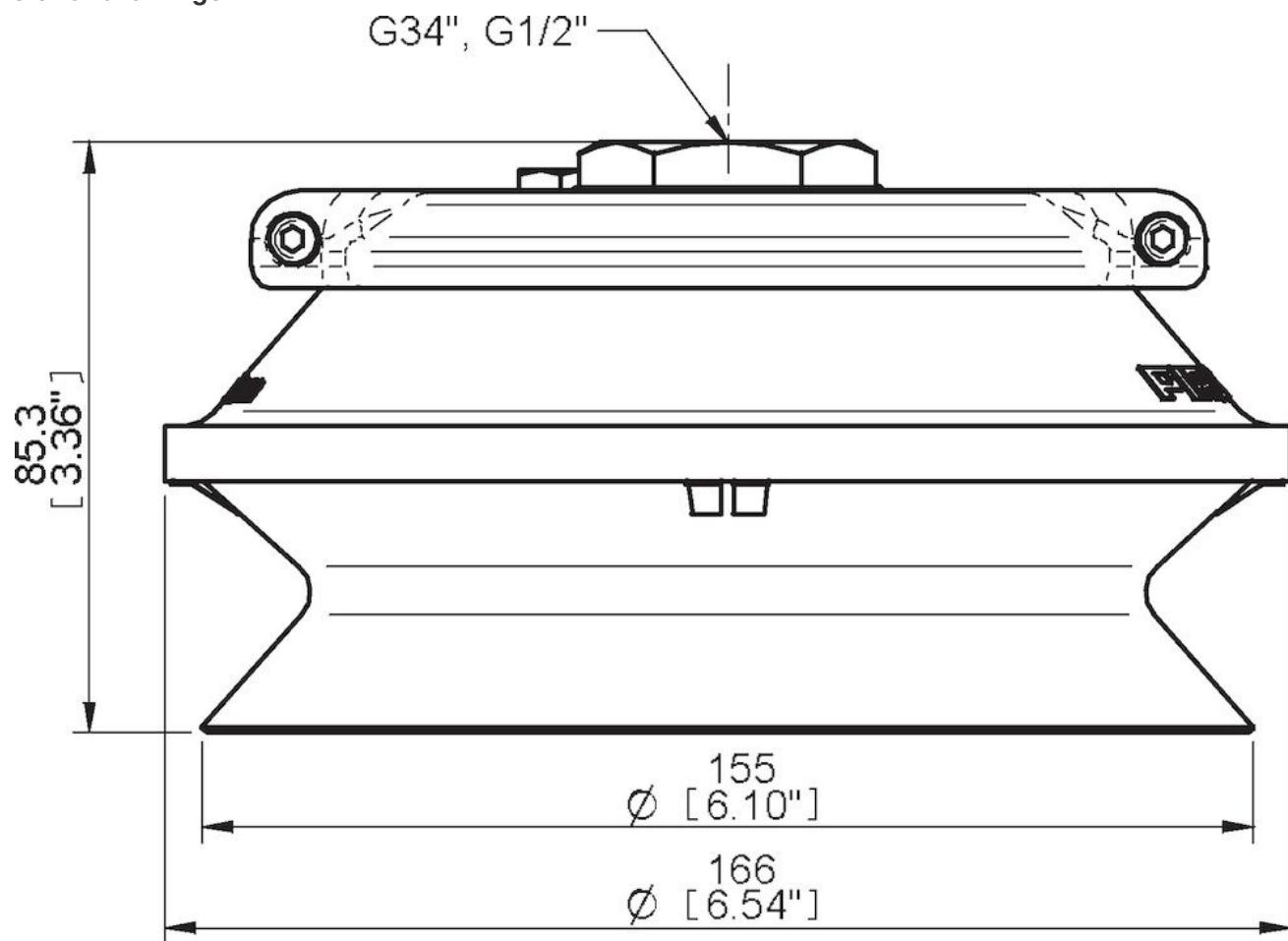
Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Dry sheet metal, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Plastic injection molded parts
Material	-	Nitrile-PVC (NPV)
Weight, min.	oz	9.35
Suction cup model	-	B
Volume	in ³	39.66
Height	in	3.36
Outer diameter, min.	in	6.30
Outer diameter, actuated	in	6.93
Fitting size	-	3/4"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	B150
Movement, vertical max.	in	1.83
Curve radius, min.	in	2.95

Performance - Lifting forces

B150	Vertical (lb)	Parallel (lb)
5.91 -inHg	66.094	
17.72 -inHg	154.22	
26.58 -inHg	198.51	

Material	
Name	Nitrile-PVC (NPV)
Color	Black
Temperature, min. °F	32.0
Temperature max. °F	194.0
Hardness °Shore A	50
Material resistance	
Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Good
Gasoline	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

15NA | Fitting 150, G1/2" female, with mesh filter

15UA | Fitting G1/2" female AI, with mesh filter

B150.20 | Suction cup B150 Silicone

B150.30 | Suction cup B150 Nitrile-PVC

Spare parts

15NB | Fitting 150, G3/4" female, with mesh filter

B150.30 | Suction cup B150 Nitrile-PVC