

Datasheet

Suction cup B110-2 Silicone, 3/8" NPSF female, clamp ring with mesh filter

Item number: B110-2.20.11NB



- 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.
- Lifting movement 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.
- Filter disk made of PE.

Technical data

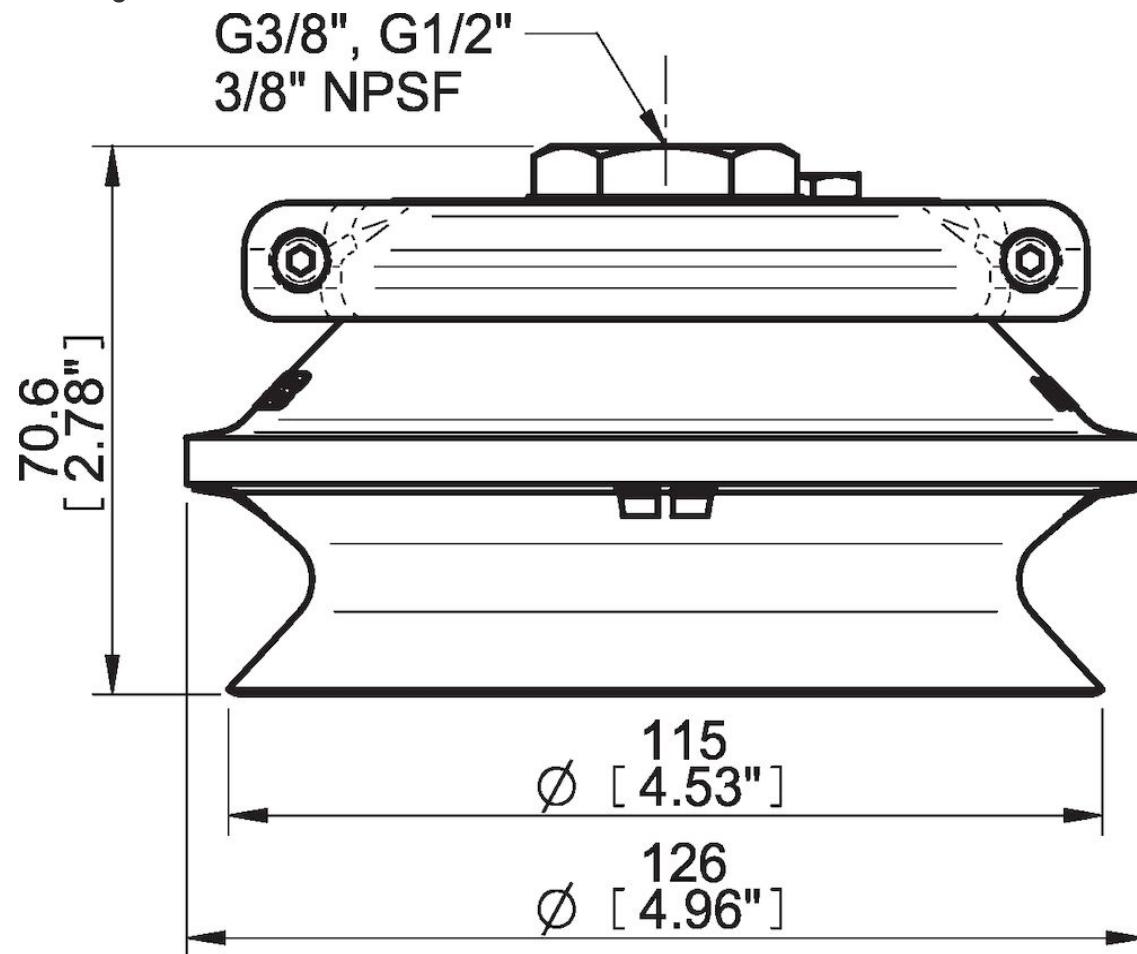
Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Dry sheet metal, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Plastic injection molded parts
Material	-	Silicone (SIL)
Weight, min.	oz	4.23
Suction cup model	-	B
Volume	in ³	18.92
Height	in	2.78
Outer diameter, min.	in	4.41
Outer diameter, actuated	in	5.14
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	B110
Movement, vertical max.	in	1.36
Curve radius, min.	in	2.36

Performance - Lifting forces

B110	Vertical (lb)	Parallel (lb)
5.91 -inHg	30.80	
17.72 -inHg	77.11	
26.58 -inHg	103.64	

Material	
Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min. °F	-40.0
Temperature max. °F	392.0
Hardness °Shore A	50
Material resistance	
Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Gasoline	Poor
Wear resistance	Good
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

11NA | Fitting 110 G3/8" female, clamp ring with mesh filter
11NC | Fitting 110, G1/2" female, clamp ring with mesh filter
B110-2.30 | Suction cup B110-2 Nitrile-PVC with filter
02.01.150 | Filter D=118, 10 pcs, for B110-2
11UA | Fitting G1/2" female Al, with mesh filter
3250097S | Suction cup B110-2 Silicone
32.50.097P | Suction cup B110-2 Nitrile-PVC

Spare parts

11NB | Fitting 110, 3/8" NPSF female, with mesh filter
B110-2.20 | Suction cup B110-2 Silicone with filter