

## B110

### Suction cup with short bellows



- 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.

#### Lifting forces & Technical data

Outer Dia.	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume	Min. curve radius	Max. vertical movement	Weight rubber part
	6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg				
in							in <sup>3</sup>	in	in	oz
4.53	30.8	77.1	104	—	—	—	19.0	2.40	1.40	4.23

#### Material specifications

Material	Color	Hardness °Shore A	Temperature range °F
Nitrile-PVC, NPV	Black	50	32–194
Silicone, SIL	Red	50	-40–392
HNBR	Grey-blue	75	-22–284*

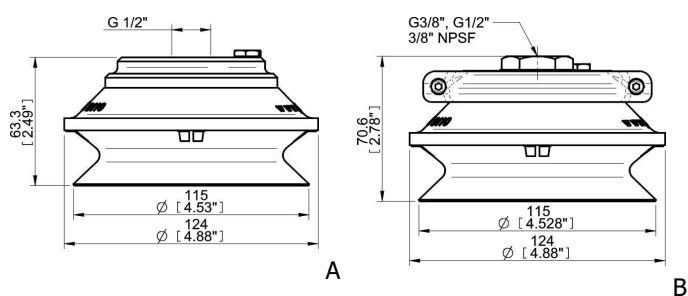
\* For a shorter period of time up to 320°F

#### Material resistance

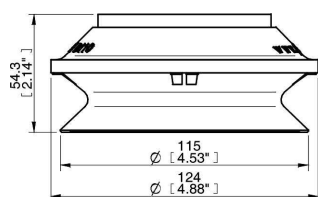
Material	Wear resistance	Oil	Weather & ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent
HNBR	Excellent	Excellent	Excellent	Good	Excellent	Fair	Good	Excellent

## Ordering information

Suction cups with fitting		Weight (oz)	Part No.
A	Suction cup B110 Nitrile-PVC, G1/2" female AI, with mesh filter	9.04	B110.30.11UA
B	Suction cup B110 Nitrile-PVC, G3/8" female, clamp ring with mesh filter	12.7	B110.30.11NA
B	Suction cup B110 Nitrile-PVC, 3/8" NPSF female, clamp ring with mesh filter	12.7	B110.30.11NB
B	Suction cup B110 Nitrile-PVC, G1/2" female, clamp ring with mesh filter	12.7	B110.30.11NC
A	Suction cup B110 Silicone, G1/2" female AI, with mesh filter	9.04	B110.20.11UA
B	Suction cup B110 Silicone, G3/8" female, clamp ring with mesh filter	12.7	B110.20.11NA
B	Suction cup B110 Silicone, 3/8" NPSF female, clamp ring with mesh filter	12.7	B110.20.11NB
B	Suction cup B110 Silicone, G1/2" female, clamp ring with mesh filter	12.7	B110.20.11NC
B	Suction cup B110 HNBR, G3/8" female, clamp ring with mesh filter	12.7	B110.37.11NA
B	Suction cup B110 HNBR, 3/8" NPSF female, clamp ring with mesh filter	12.7	B110.37.11NB
B	Suction cup B110 HNBR, G1/2" female, clamp ring with mesh filter	12.7	B110.37.11NC



Rubber parts	Part No.
Suction cup B110 Nitrile-PVC	B110.30
Suction cup B110 Nitrile-PVC with washer	B110.30.W
Suction cup B110 Silicone	B110.20
Suction cup B110 Silicone with washer	B110.20.W
Suction cup B110 Therban®	B110.37
Suction cup B110 Therban® with washer	B110.37.W



Fittings	Part No.
Fitting G1/2" female AI, with mesh filter	11UA
Fitting G3/8" female, clamp ring with mesh filter	11NA
Fitting 3/8" NPSF female, clamp ring with mesh filter	11NB
Fitting G1/2" female, clamp ring with mesh filter	11NC