

# Suction cup B110-2 Nitrile-PVC, G3/8" female, clamp ring with mesh filter

Item number: B110-2.30.11NA



- 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

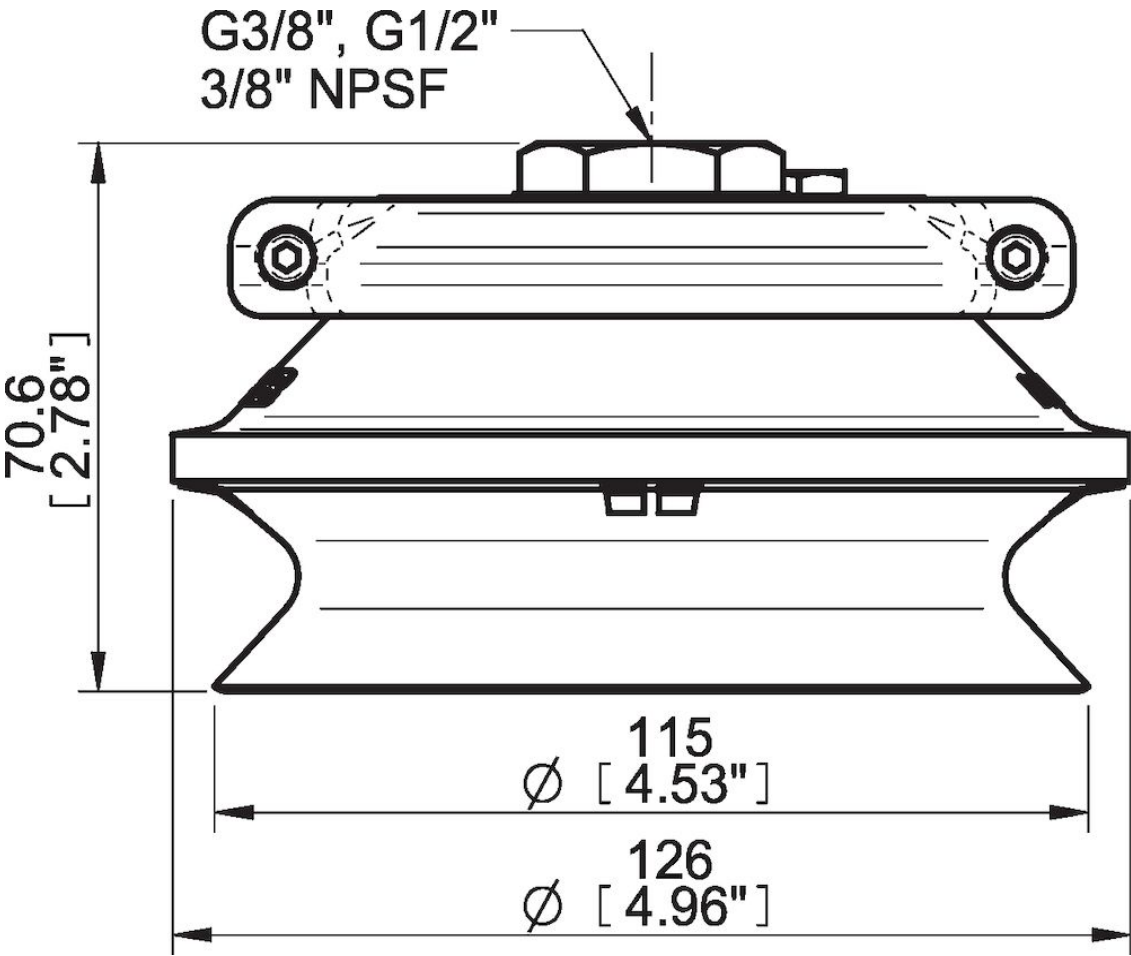
| Description              | Unit            | Value                                           |
|--------------------------|-----------------|-------------------------------------------------|
| Suction cup shape        | -               | Bellows                                         |
| Application              | -               | Dry sheet metal, Plastic injection molded parts |
| Suction cup design       | -               | Round                                           |
| Characteristics          | -               | Dry sheet metal, Plastic injection molded parts |
| Material                 | -               | Nitrile-PVC (NPV)                               |
| Weight, min.             | oz              | 4.23                                            |
| Suction cup model        | -               | B                                               |
| Volume                   | in <sup>3</sup> | 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             | -               | G-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        |               |

|                            |                   |
|----------------------------|-------------------|
| <b>Material</b>            |                   |
| Name                       | Nitrile-PVC (NPV) |
| Color                      | Black             |
| Temperature, min.   °F     | 32.0              |
| Temperature max.   °F      | 194.0             |
| Hardness   °Shore A        | 50                |
| <b>Material resistance</b> |                   |
| 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**

11NB | Fitting 110, 3/8" NPSF female, with mesh filter  
11NC | Fitting 110, G1/2" female, clamp ring with mesh filter  
B110-2.20 | Suction cup B110-2 Silicone 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**

11NA | Fitting 110 G3/8" female, clamp ring with mesh filter  
B110-2.30 | Suction cup B110-2 Nitrile-PVC with filter