

Suction cup B75-2 Nitrile-PVC, with filter & washer

Item number: B75-2.30.W



- 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

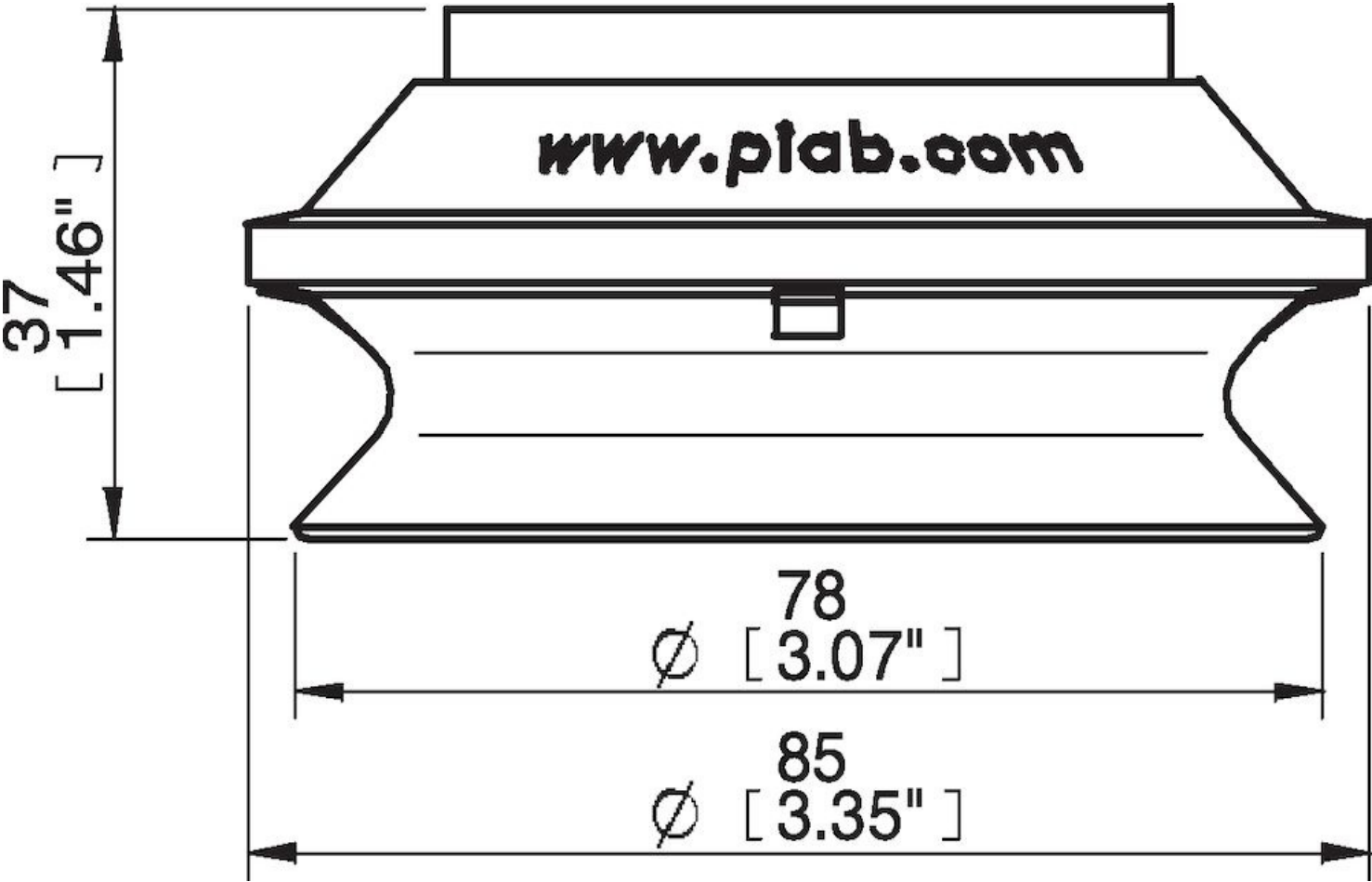
| Description | Unit | Value |
|-------------------------|-----------------|---|
| Suction cup shape | - | Bellows |
| Application | - | Dry sheet metal, Plastic injection molded parts |
| Suction cup design | - | Round |
| Characteristics | - | Dry sheet metal, Plastic injection molded parts |
| Material | - | Nitrile-PVC (NPV) |
| Weight, min. | oz | 1.23 |
| Suction cup model | - | B |
| Volume | in ³ | 6.71 |
| Height | in | 1.46 |
| Outer diameter, min. | in | 3.071 |
| Fitting size | - | None |
| Fitting option | - | Filter, Washer |
| Fitting style | - | None |
| Fitting type | - | None |
| Suction cup model | - | B75 |
| Movement, vertical max. | in | 0.94 |
| Curve radius, min. | in | 1.57 |

Performance - Lifting forces

| B75 | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg | 16.64 | 14.028 |
| 17.72 -inHg | 37.54 | 27.52 |
| 26.58 -inHg | 50.81 | 34.64 |

| | |
|----------------------------|-------------------|
| 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

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter

07ND | Fitting 75, G3/8" female, clamp ring with mesh filter

07NE | Fitting 75, 3/8" NPSF female, with mesh filter

07NF | Fitting 75, G1/2" female, clamp ring with mesh filter

07UA | Fitting 1/8" NPSF female AI, with mesh filter

07UD | Fitting G1/2" female AI, with mesh filter

07UH | Fitting 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.

Spare parts

02.01.149 | Filter D=80, 10 pcs, for B75-2