

Bellows suction cup S.B10-2HN50.XXX.00



- ▶ 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.
- ▶ Suitable for level adjustment.

Lifting force

| Description | Vertical | | | Parallel | | |
|----------------|----------|---------|---------|----------|---------|---------|
| | 20 -kPa | 60 -kPa | 90 -kPa | 20 -kPa | 60 -kPa | 90 -kPa |
| Lifting forces | 1.5 N | 3.4 N | 4.9 N | 1.8 N | 2.4 N | 2.8 N |

Technical data

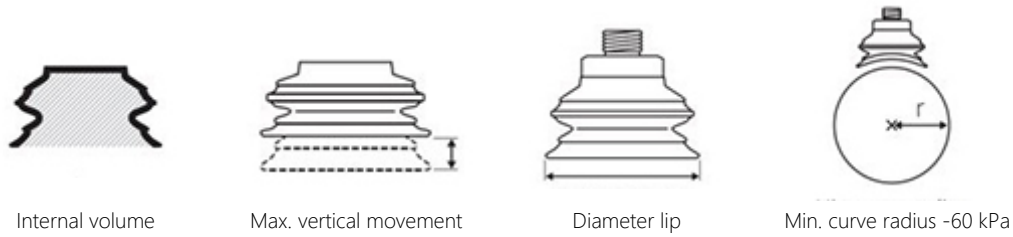
| Description | Unit | Value |
|------------------------------|-----------------|---|
| Internal volume | cm ³ | 0.48 |
| Weight | g | 1 |
| Min. curve radius -60 kPa | mm | 4.0 |
| Max. vertical movement | mm | 4.5 |
| Application | - | Dry sheet metal, Glass handling, High/low temp cup (plastic), Plastic injection molded parts, |
| Material | - | Hydrogenated Nitrile (HNBR) |
| Colour | - | Blue |
| Suction cup model | - | B |
| Suction cup shape | - | Bellows |
| Hardness °Shore A | - | 50 °Shore A |
| Temperature range (°C) | °C | -30 – 140 |
| Actuated outer diameter, Max | mm | 12.5 |

Material resistance , Hydrogenated Nitrile, HNBR

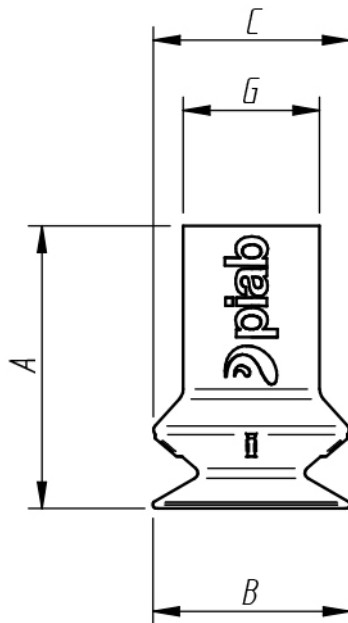
| Description | Value |
|--------------------|-----------|
| Alcohol | Good |
| Concentrated Acids | Fair |
| Ethanol | N/A |
| Hydrolysis | Good |
| Methanol | N/A |
| Oil | Excellent |
| Oxidation | Excellent |
| Petrol | Excellent |
| Wear Resistance | Excellent |
| Weather & Ozone | Excellent |

Values specified in data sheet are tested at:

- 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.



Dimensional drawing



| Product code | Description | Unit | Value |
|--------------|---------------------------|-----------|--------------|
| A | Building height | mm [inch] | 16.4 [0.65"] |
| B | Diameter lip | mm [inch] | 11.0 [0.43"] |
| C | Diameter (bellow) | mm [inch] | 12.0 [0.47"] |
| G | Diameter (upper part cup) | mm [inch] | 9.0 [0.35"] |

Ordering information

| Description | Product code |
|--|--------------------|
| Bellows suction cup , Ø 10mm model 2, Hydrogenated Nitrile, HNBR, 50 °Shore A, None, None, None, None | S.B10-2HN50.XXX.00 |

Ordering information, spare parts

| Description | Art. No. |
|------------------------|----------|
| Suction cup B10-2 HNBR | 0128692 |

Ordering information, accessories

| Description | Art. No. |
|--------------------------------|----------|
| Fitting M5 male, 10–15 | 3107030 |
| Fitting G1/8" male | 0213734 |
| Suction cup B10-2 Chloroprene | 3150101 |
| Suction cup B10-2 Silicone | 3150101S |
| Suction cup B10-2 Silicone FCM | 0200241 |