piab Evolving automation




Item no: 0106604

# Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female

Suitable for uneven and porous surfaces such as cardboard, etc. DURAFLEX® suction cups are manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material of the DURAFLEX® is mark-free.

- Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- In the two-coloured suction cup the bellows and the sealing lip are of different hardnesses, which makes the suction cup strong and stable and, at the same time, soft and flexible.
- DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane.
- The material DURAFLEX® is mark free.

General

| | |
|---|---|
| Application | CorrugatedCardboard, MarkFree, PlasticInjectionMoldedParts, DrySheetMetal |
| Suction cup shape | Multibellows |
| Material | PU30, PU60 |
| Suction cup model | BX-P |
| Weight | 8 g |
| Volume | 10 cm³ |
| Suction cup model | BX35P PU30 PU60 |
| Movement, vertical max. | 14 mm |
| Curve radius, min. | 10 mm |

Fitting

| | |
|---|---|
| Fitting option | Filter disc |
| Fitting size | 1/8" |
| Fitting style | Female |
| Fitting type | NPSF-thread |

Dimension

| | |
|---|---|
| Height | 34.8 mm |
| Outer diameter | 37 mm |

Performance - lifting forces

| BX35P PU30 PU60 | | |
|---|---|---|
| 20 -kPa | 12 N | 11 N |
| 60 -kPa | 20 N | 19 N |
| 90 -kPa | 28 N | 26 N |

Material

| | | |
|---|---|---|
| Name | PU30 | PU60 |
| Colour | Yellow | GreenTransparent |
| Temperature | 10 - 50 °C | 10 - 50 °C |
| Hardness | 30 °Shore A | 60 °Shore A |

| | PU30 | PU60 |
|---|---|---|
| Alcohol | n/a | n/a |
| Concentrated acids | + | + |
| Ethanol | + | + |
| Hydrolysis | + | + |
| Methanol | - | - |
| Oil | +++ | +++ |
| Oxidation | - | - |
| Petrol | + | + |
| Wear resistance | +++ | +++ |
| Weather and ozone | +++ | +++ |

Dimensional drawings

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Values specified in the 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: 0-100%
- Compressed air quality: DIN ISO 8573-1 class 4

Accessories

| | |
|---|---|
| 3251008 | Fitting 1/4" NPT male, with dual flow control valve |
| 3250093 | Fitting 1/4" NPT male, with mesh filter |
| 3251006 | Fitting 1/8" NPSF female, 30–40, with dual flow control valve |
| 0101153 | Fitting 1/8" NPSF female, 30–40, with mesh filter |
| 3251010 | Fitting 3/8" NPT male, with dual flow control valve |
| 3250089 | Fitting 3/8" NPT male, with mesh filter |
| 3250091 | Fitting G1/4" male, 30–40, with mesh filter |
| 3251007 | Fitting G1/4" male, 30–40, with mesh filter and dual flow control valve |
| 0200714 | Fitting G1/8" male, 40, with mesh filter |
| 3251009 | Fitting G3/8" male, 30–40, with mesh and dual flow control valve |
| 3250086 | Fitting G3/8" male, 30–40, with mesh filter |
| 0107376 | Suction cup BX35P Polyurethane 60, with filter |
| 0106292 | Suction cup BX35P, Polyurethane 30/60 |
| 0107477 | Suction cup BX35P, Polyurethane 60 |

Spare parts

| | |
|---|---|
| 3250005 | Fitting 1/8" NPSF female, 30–40 |
| 0106619 | Suction cup BX35P Polyurethane 30/60, with filter |
| 0201001 | Suction cup filter BX35P, 10 pcs |