

# Datasheet

## Suction cup B25XP Polyurethane 60, 5xM5 female

Item number: B25XP.4E.02AE



- Suitable for limited level adjustment with good stability.
- Excellent gripping performance on corrugated and porous or surface leaking objects such as cardboard, textured plastic parts and composite material (raw surface)
- In the two-colored suction cup the bellows and the sealing lip are of different hardnesses, which makes the suction cup strong and stable for accelerations and speed, 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.

### Technical data

| Description             | Unit            | Value                           |
|-------------------------|-----------------|---------------------------------|
| Suction cup shape       | -               | Bellows                         |
| Application             | -               | Dry sheet metal, Glass handling |
| Suction cup design      | -               | Round                           |
| Characteristics         | -               | Dry sheet metal, Glass handling |
| Material                | -               | Polyurethane (PU)               |
| Weight, min.            | oz              | 0.063                           |
| Suction cup model       | -               | B-XP                            |
| Volume                  | in <sup>3</sup> | 0.099                           |
| Height                  | in              | 0.89                            |
| Outer diameter, min.    | in              | 1.024                           |
| Fitting size            | -               | 5xM5                            |
| Fitting option          | -               | None                            |
| Fitting style           | -               | Female                          |
| Fitting type            | -               | M-thread                        |
| Suction cup model       | -               | B25XP PU60                      |
| Movement, vertical max. | in              | 0.22                            |
| Curve radius, min.      | in              | 0.43                            |

### Performance - Lifting forces

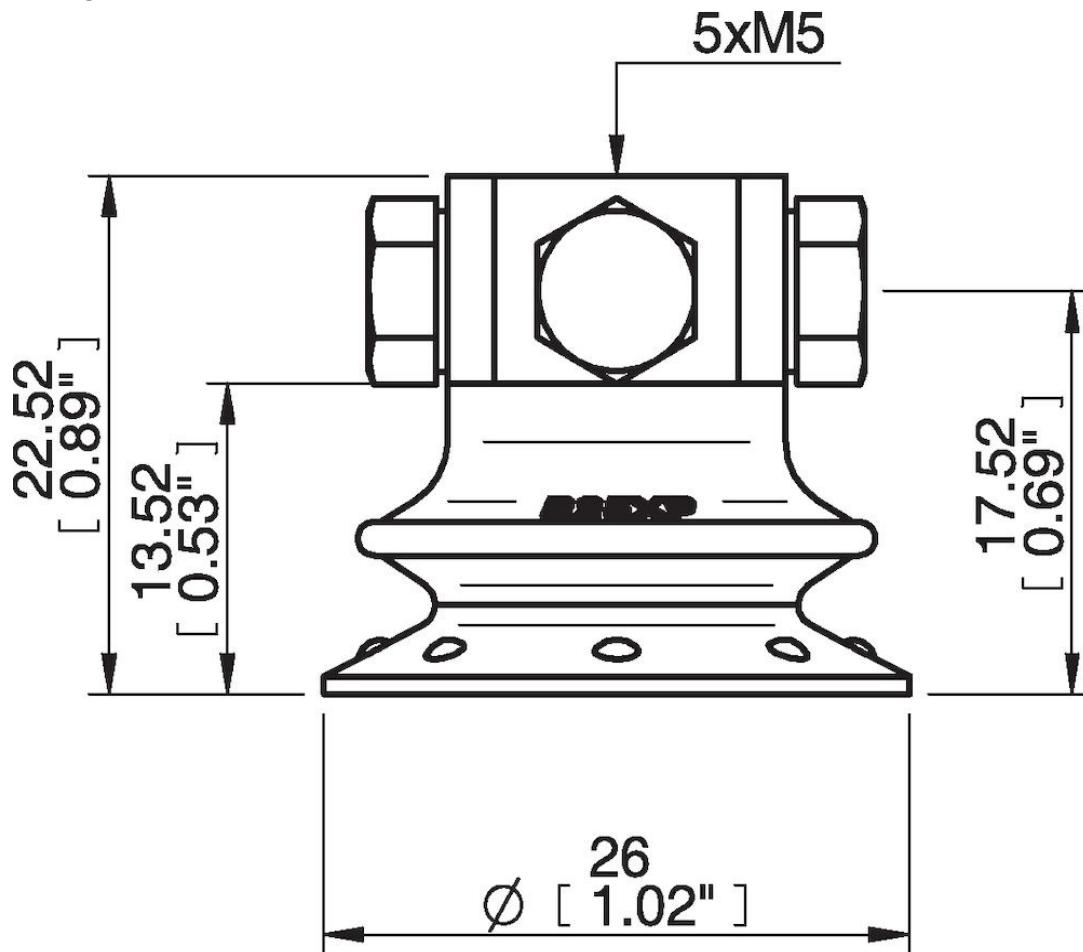
|             | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| B25XP PU60  |               |               |
| 5.91 -inHg  | 2.70          | 2.25          |
| 17.72 -inHg | 6.070         | 2.92          |
| 26.58 -inHg | 6.74          | 4.047         |

| <b>Material</b>        |                     |
|------------------------|---------------------|
| Name                   | Polyurethane (PU60) |
| Color                  | Green transparent   |
| Temperature, min.   °F | 50.0                |
| Temperature max.   °F  | 122.0               |
| Hardness   °Shore A    | 60                  |

#### **Material resistance**

|                    |           |
|--------------------|-----------|
| Alcohol            | n/a       |
| Concentrated acids | Fair      |
| Ethanol            | Fair      |
| Hydrolysis         | Fair      |
| Methanol           | Poor      |
| Oil                | Excellent |
| Oxidation          | Poor      |
| Gasoline           | Fair      |
| Wear resistance    | Excellent |
| Weather and ozone  | Excellent |

#### **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**

02AF | Fitting G1/8" male/M5 female, with mesh filter

02AA | Fitting M5 female

02AB | Fitting G1/8" male, with mesh filter

02AC | Fitting 1/8" NPT male, with mesh filter

## **Spare parts**

02AE | Fitting 5xM5 female

B25XP.4E | Suction cup B25XP Polyurethane 60