

# Suction cup BX20P Polyurethane 30/60, G1/8" male / M5 female

Item number: BX20P.4K.02AF



- Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

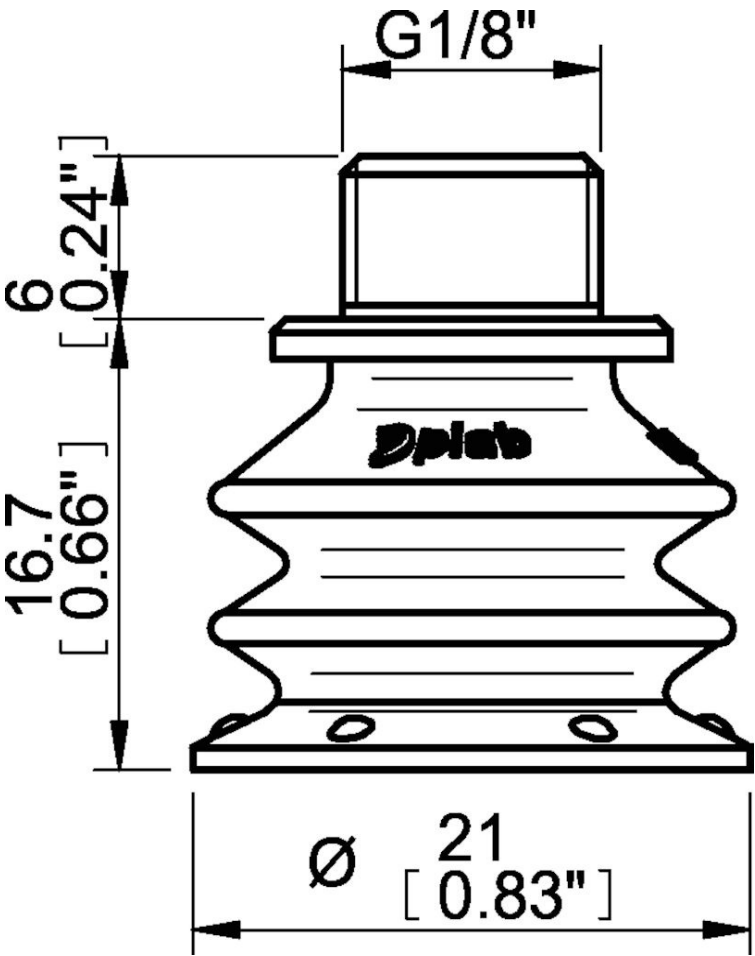
| Description             | Unit | Value                                                                                       |
|-------------------------|------|---------------------------------------------------------------------------------------------|
| Suction cup shape       | -    | Multibellows                                                                                |
| Application             | -    | Dry sheet metal, Corrugated cardboard/Paperboard, Mark Free, Plastic injection molded parts |
| Suction cup design      | -    | Round                                                                                       |
| Characteristics         | -    | Dry sheet metal, Corrugated / cardboard, Mark free, Plastic injection molded parts          |
| Material                | -    | Polyurethane (PU)                                                                           |
| Weight, min.            | oz   | 0.050                                                                                       |
| Suction cup model       | -    | BX-P                                                                                        |
| Volume                  | in³  | 0.071                                                                                       |
| Height                  | in   | 0.89                                                                                        |
| Outer diameter, min.    | in   | 0.83                                                                                        |
| Fitting size            | -    | 1/8", M5                                                                                    |
| Fitting option          | -    | Filter mesh                                                                                 |
| Fitting style           | -    | Female/Male                                                                                 |
| Fitting type            | -    | G-thread, M-thread                                                                          |
| Suction cup model       | -    | BX20P PU30 PU60                                                                             |
| Movement, vertical max. | in   | 0.30                                                                                        |
| Curve radius, min.      | in   | 0.39                                                                                        |

Performance - Lifting forces

| BX20P PU30 PU60 | Vertical (lb) | Parallel (lb) |
|-----------------|---------------|---------------|
| 5.91 -inHg      | 1.012         | 0.90          |
| 17.72 -inHg     | 1.57          | 1.26          |
| 26.58 -inHg     | 2.14          | 1.46          |

| Material               |                     |                     |
|------------------------|---------------------|---------------------|
| Name                   | Polyurethane (PU30) | Polyurethane (PU60) |
| Color                  | Yellow              | Green transparent   |
| Temperature, min.   °F | 50.0                | 50.0                |
| Temperature max.   °F  | 122.0               | 122.0               |
| Hardness   °Shore A    | 30                  | 60                  |
| Material resistance    |                     |                     |
| Alcohol                | n/a                 | n/a                 |
| Concentrated acids     | Fair                | Fair                |
| Ethanol                | Fair                | Fair                |
| Hydrolysis             | Fair                | Fair                |
| Methanol               | Poor                | Poor                |
| Oil                    | Excellent           | Excellent           |
| Oxidation              | Poor                | Poor                |
| Gasoline               | Fair                | Fair                |
| Wear resistance        | Excellent           | Excellent           |
| Weather and ozone      | Excellent           | 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**

02AE | Fitting 5xM5 female

BX20P.4E | Suction cup BX20P Polyurethane 60

02AA | Fitting M5 female

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

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

02DD | Fitting G1/8" male/M5 female, with dual flow control valve

### **Spare parts**

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

BX20P.4K | Suction cup BX20P Polyurethane 30/60