

# Datasheet

## Suction cup BX25P Polyurethane 60 with filter, G1/8" male / M5 female

Item number: BX25P.4E.02AD.F



- 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.
- Filter disk made of polyester PES4/14 and TPE.

### 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	0.11
Suction cup model	-	BX-P
Volume	in <sup>3</sup>	0.18
Height	in	1.043
Outer diameter, min.	in	1.024
Fitting size	-	1/8", M5
Fitting option	-	Filter disc
Fitting style	-	Female/Male
Fitting type	-	G-thread, M-thread
Suction cup model	-	BX25P PU60
Movement, vertical max.	in	0.33
Curve radius, min.	in	0.31

### Performance - Lifting forces

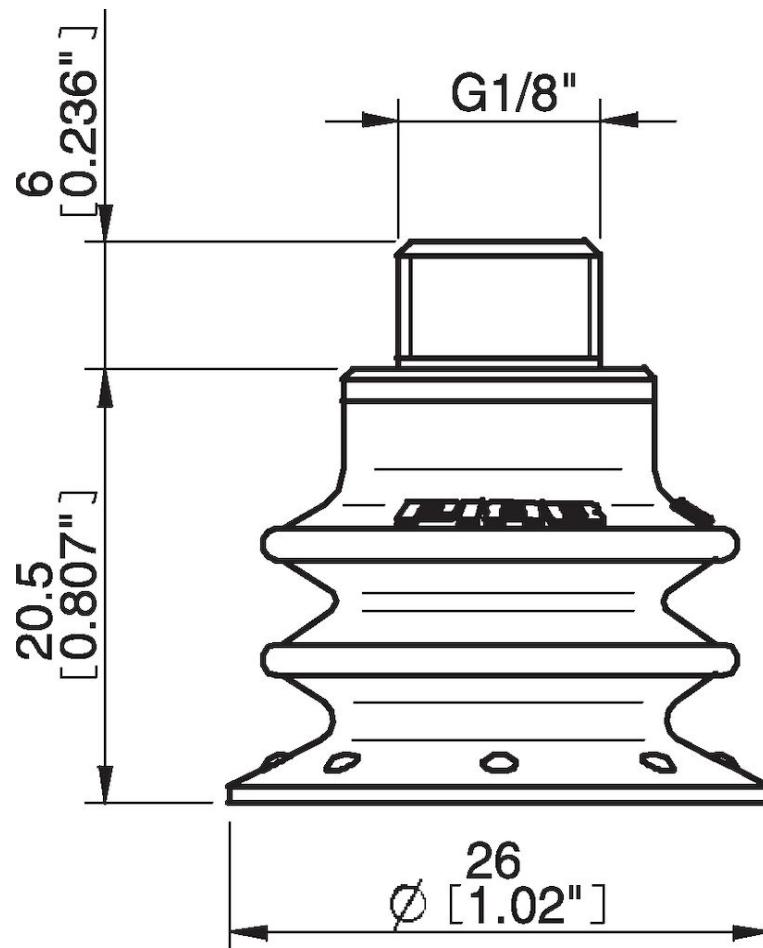
BX25P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	2.023	1.57
17.72 -inHg	3.15	2.47
26.58 -inHg	4.047	3.15

<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**

02AE | Fitting 5xM5 female  
02AF | Fitting G1/8" male/M5 female, with mesh filter  
BX25P.4E | Suction cup BX25P Polyurethane 60  
BX25P.4K | Suction cup BX25P Polyurethane 30/60  
BX25P.4K.F | Suction cup BX25P Polyurethane 30/60, with filter  
02AA | Fitting M5 female  
02AB | Fitting G1/8" male, with mesh filter  
02AC | Fitting 1/8" NPT male, with mesh filter  
02DA | Fitting M5 female, with dual flow control valve  
02DC | Fitting 1/8" NPT male, with dual flow control valve  
02DD | Fitting G1/8" male/M5 female, with dual flow control valve  
02DE | Fitting 5xM5 female, with dual flow control valve

## **Spare parts**

BX25P.4E.F | Suction cup BX25P Polyurethane 60, with filter  
02AD | Fitting G1/8" male/M5 female  
02.01.000 | Suction cup filter BX25P, 10 pcs