

# Datasheet

## Suction cup BX75P Polyurethane 60 with filter, for thread insert for Vacuum Gripper System (VGS)

Item number: BX75P.5E.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, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	2.50
Suction cup model	-	BX-P
Volume	in <sup>3</sup>	4.88
Height	in	2.035
Outer diameter, min.	in	3.051
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	BX75P PU60
Movement, vertical max.	in	1.024
Curve radius, min.	in	0.91

### Performance - Lifting forces

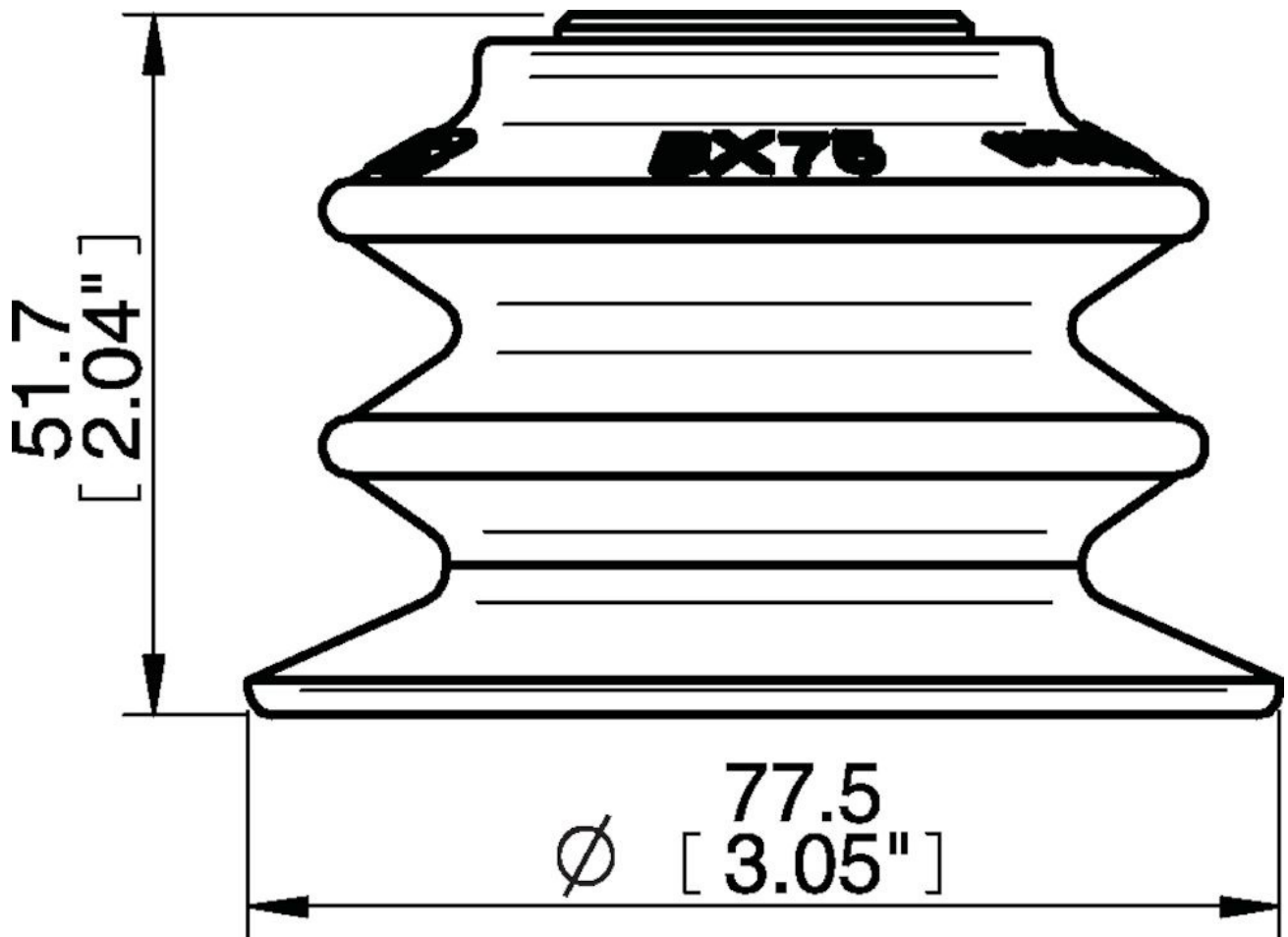
BX75P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	15.74	11.24
17.72 -inHg	26.98	25.63
26.58 -inHg	37.32	33.72

Material	
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**

01.06.797 | Thread insert G3/8" male, with O-ring for Vacuum Gripper System (VGS)

02.00.716 | Thread insert G1/8" male, with O-ring and mesh filter

02.01.077 | Thread insert G1/4" male, with O-ring and mesh filter

**Spare parts**

02.01.003 | Suction cup filter BX75P, 10 pcs