

Datasheet

Suction cup BX75P Polyurethane 60 with filter, thread insert G3/8" male for Vacuum Gripper System (VGS)

Item number: BX75P.5E.G40W.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

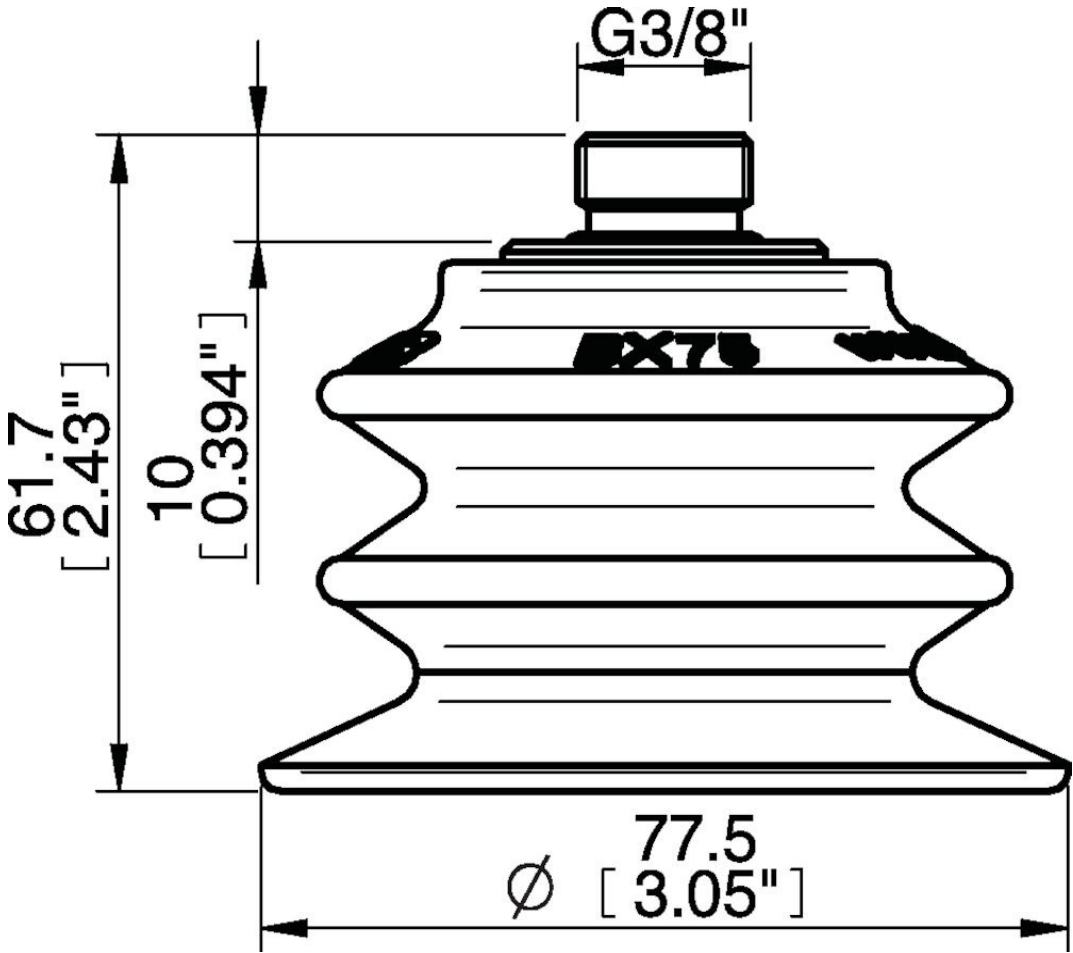
Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Dry sheet metal, Corrugated cardboard/Paperboard, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	2.50
Suction cup model	-	BX-P
Volume	in ³	4.88
Height	in	2.43
Outer diameter, min.	in	3.051
Fitting size	-	3/8"
Fitting option	-	Filter
Fitting style	-	Male
Fitting type	-	G-thread
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

BX75P.5K.F | Suction cup BX75P Polyurethane 30/60 with filter, for thread insert 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

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

BX75P.5E.F | Suction cup BX75P Polyurethane 60 with filter, for thread insert for Vacuum Gripper System (VGS)

02.01.003 | Suction cup filter BX75P, 10 pcs