

Datasheet

Suction cup B75XP Polyurethane 60 for thread insert for Vacuum Gripper System (VGS)

Item number: B75XP.5E



- 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	1.53
Suction cup model	-	B-XP
Volume	in ³	2.61
Height	in	1.35
Outer diameter, min.	in	3.051
Outer diameter, actuated	in	3.051
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	B75XP PU60
Movement, vertical max.	in	0.63
Curve radius, min.	in	2.36

Performance - Lifting forces

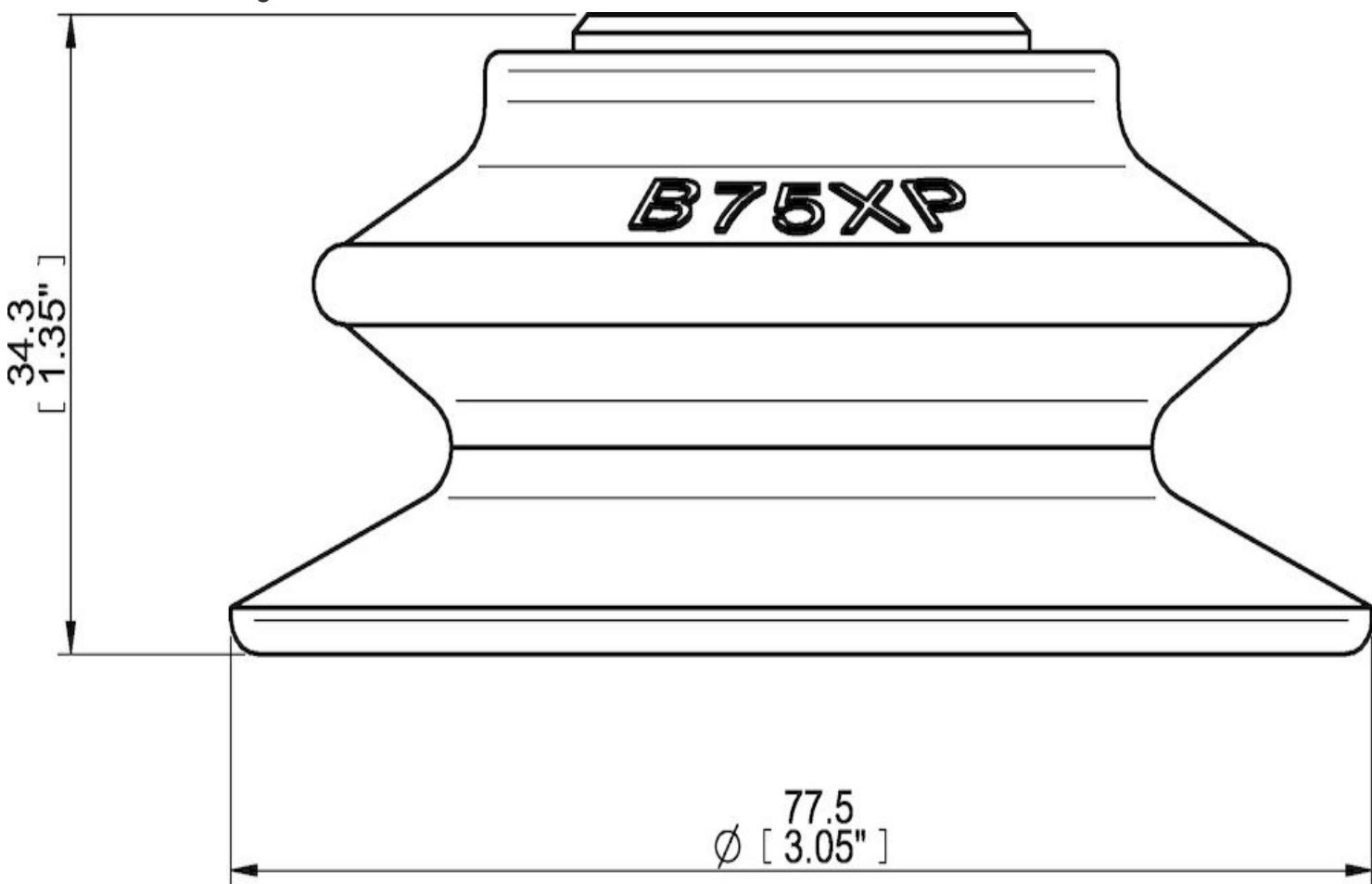
B75XP PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	19.33	17.98
17.72 -inHg	49.91	44.96
26.58 -inHg	69.017	51.71

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