

Datasheet

Suction cup OB35x90P Polyurethane 60 with collar for Vacuum Gripper System (VGS)

Item number: OB35x90P.5E



- Suitable for level adjustment. Can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- Lifting movement to separate small and thin objects.
- 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	-	Bellows
Application	-	Mark Free
Suction cup design	-	Oval
Characteristics	-	Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	1.94
Suction cup model	-	OB
Volume	in ³	2.32
Height	in	1.071
Length	in	3.76
Outer diameter, min.	in	3.76
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Width	in	1.67
Suction cup model	-	OB35x90P PU60
Movement, vertical max.	in	0.41
Curve radius, min.	in	1.18

Performance - Lifting forces

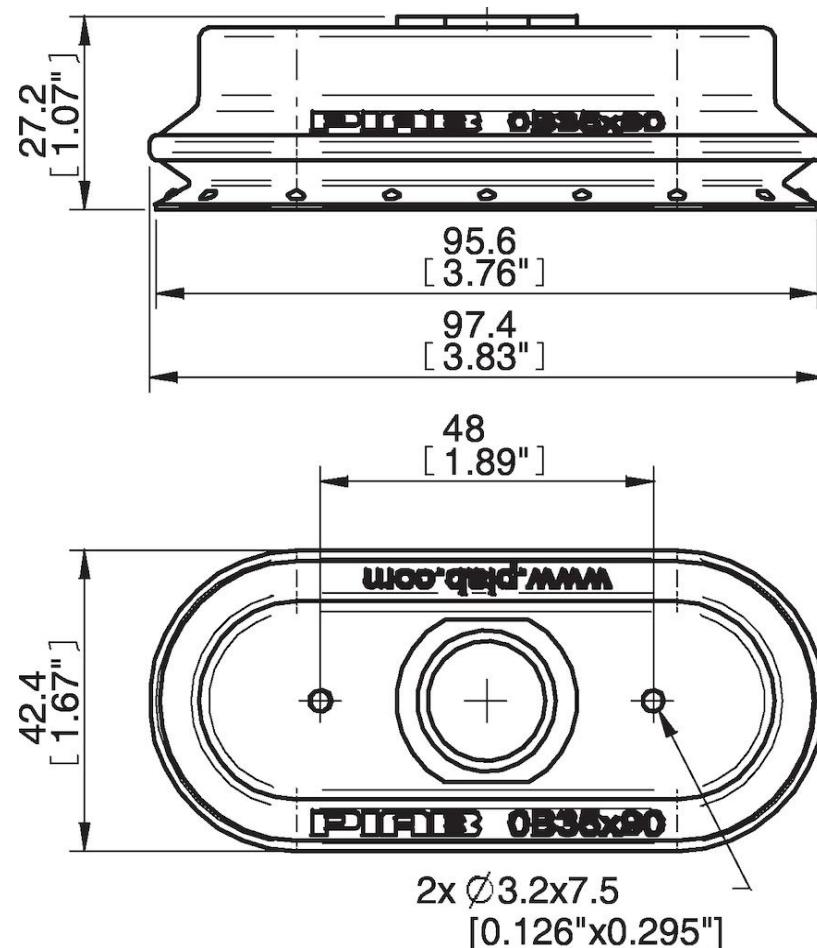
OB35x90P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	9.44	7.19
17.72 -inHg	26.30	19.11
26.58 -inHg	41.59	24.95

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.