

Datasheet

Suction cup OB50x140P Polyurethane 60, thread insert G3/8" with mesh filter for Vacuum Gripper System (VGS)

Item number: OB50X140P.5E.G40M



- 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	4.55
Suction cup model	-	OB
Volume	in ³	5.80
Height	in	1.75
Length	in	5.75
Outer diameter, min.	in	5.75
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Width	in	2.32
Suction cup model	-	OB50x140P PU60
Movement, vertical max.	in	0.44
Curve radius, min.	in	1.024

Performance - Lifting forces

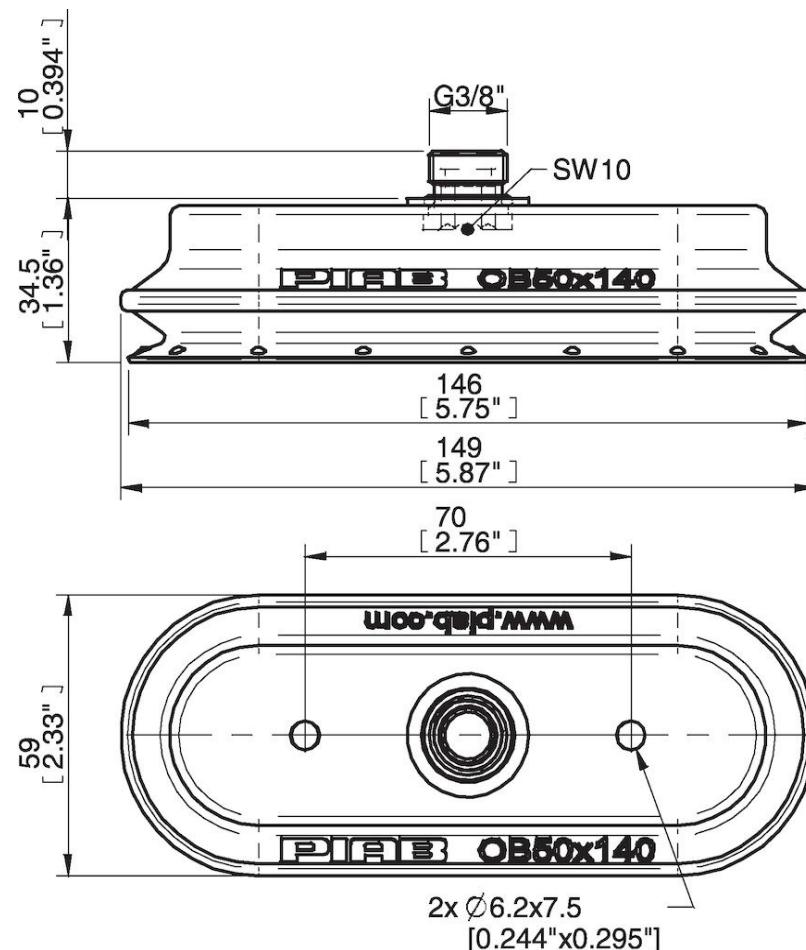
OB50x140P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	17.31	27.43
17.72 -inHg	51.93	65.64
26.58 -inHg	82.73	89.025

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

OB50X140P.5K | Suction cup OB50x140P Polyurethane 30/60 with collar for Vacuum Gripper System (VGS)

Spare parts

01.07.148 | Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)
OB50X140P.5E | Suction cup OB50x140P Polyurethane 60 with collar for Vacuum Gripper System (VGS)