

Datasheet

Suction cup OF70x175P Polyurethane 40, thread insert G3/8" with mesh filter for Vacuum Gripper System (VGS)

Item number: OF70X175P.5C.G40M



- Suitable for flat and rough surfaces.
- Fair stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and give extra friction when the lifting force is parallel to the surface of the object.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

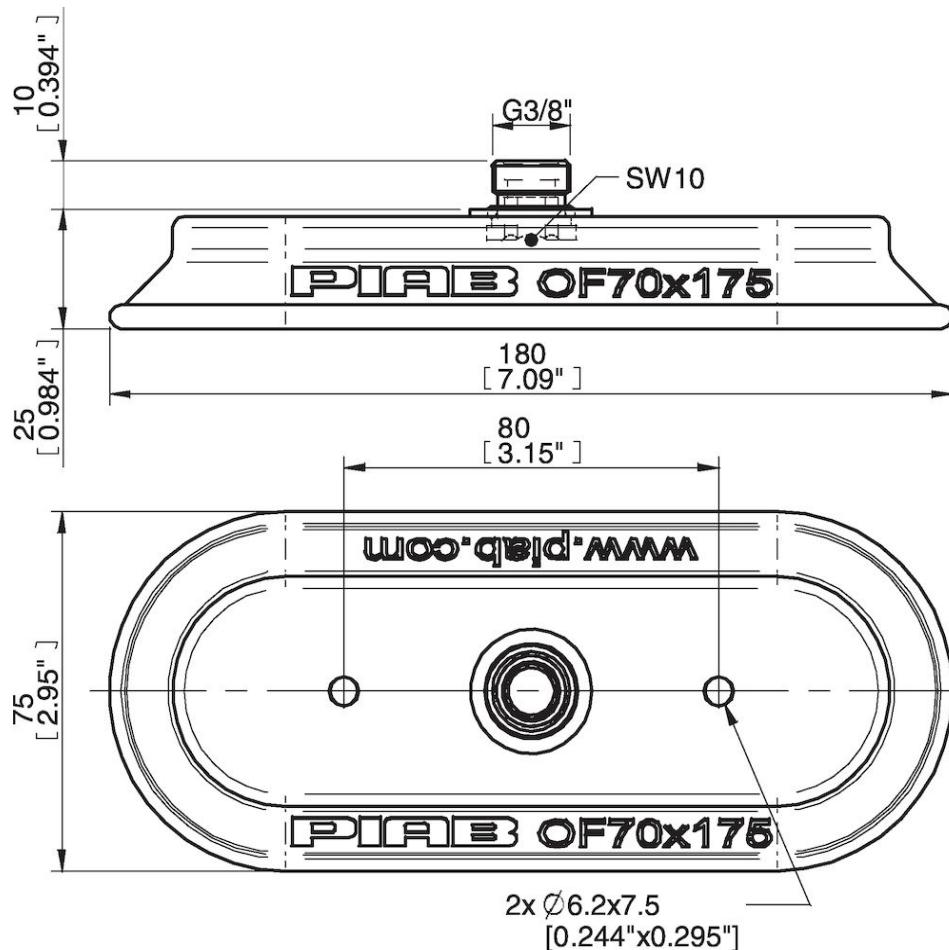
Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal, Corrugated cardboard/Paperboard, Plastic injection molded parts
Suction cup design	-	Oval
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts
Material	-	Polyurethane (PU)
Weight, min.	oz	6.81
Suction cup model	-	OF
Volume	in ³	4.88
Height	in	1.38
Length	in	7.087
Outer diameter, min.	in	7.087
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Width	in	2.95
Suction cup model	-	OF70x175P PU40
Movement, vertical max.	in	0.22
Curve radius, min.	in	5.12

Performance - Lifting forces

OF70x175P PU40	Vertical (lb)	Parallel (lb)
5.91 -inHg	42.71	38.22
17.72 -inHg	119.15	98.92
26.58 -inHg	176.48	141.63

Material	
Name	Polyurethane (PU40)
Color	Red transparent
Temperature, min. °F	50.0
Temperature max. °F	122.0
Hardness °Shore A	40
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

OF70X175P.5E | Suction cup OF70x175P Polyurethane 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)
OF70X175P.5C | Suction cup OF70x175P Polyurethane 40 with collar for Vacuum Gripper System (VGS)