Datasheet

Suction cup OF70x175P Polyurethane 40, 3/8" NPSF female

Article number: 0109855

- 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® are suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled.

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.	g	193
Suction cup model	-	OF
Volume	cm^3	80
Height	mm	38
Length	mm	180
Outer diameter, min.	mm	180
Fitting size	-	3/8"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	NPSF-thread
Width	mm	75
Suction cup model	-	OF70x175P PU40
Movement, vertical max.	mm	5.7
Curve radius, min.	mm	130

Performance - Lifting forces

OF70x175P PU40	Vertical (N)	Parallel (N)
20 -kPa	190	170
60 -kPa	530	440
90 -kPa	785	630

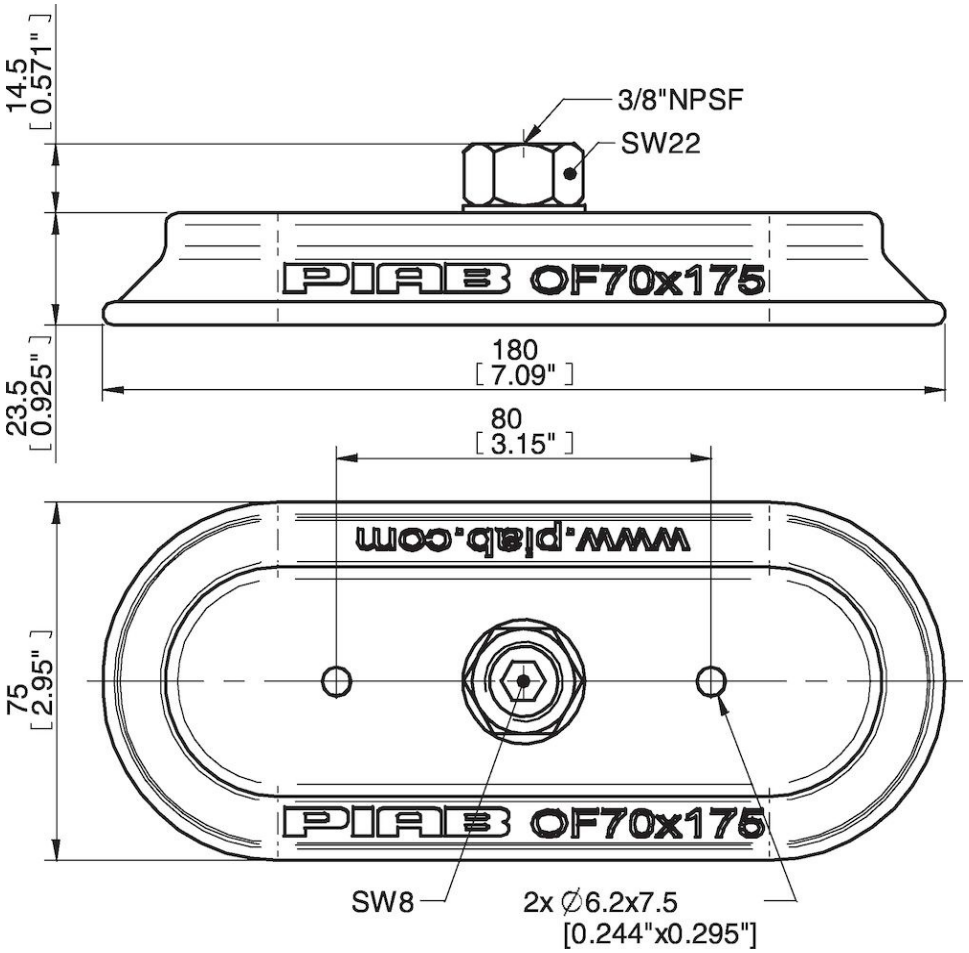
Material

Name	Polyurethane (PU40)
Colour	Red transparent
Temperature, min. | °C	10
Temperature max. | °C	50
Hardness | °Shore A	40

Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Petrol	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

0109910 | Suction cup OF70x175P Polyurethane 60