

# Datasheet

## Suction cup BF80P Polyurethane 60, G3/8" male

Item number: BF80P.4E.08UD



- Suitable for uneven surfaces.
- 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	-	Dry sheet metal, Glass handling, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Glass handling, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	1.87
Suction cup model	-	BF-P
Volume	in <sup>3</sup>	2.44
Height	in	1.83
Outer diameter, min.	in	3.27
Outer diameter, actuated	in	2.41
Fitting size	-	3/8"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	BF80P PU60
Movement, vertical max.	in	0.61
Curve radius, min.	in	1.97

### Performance - Lifting forces

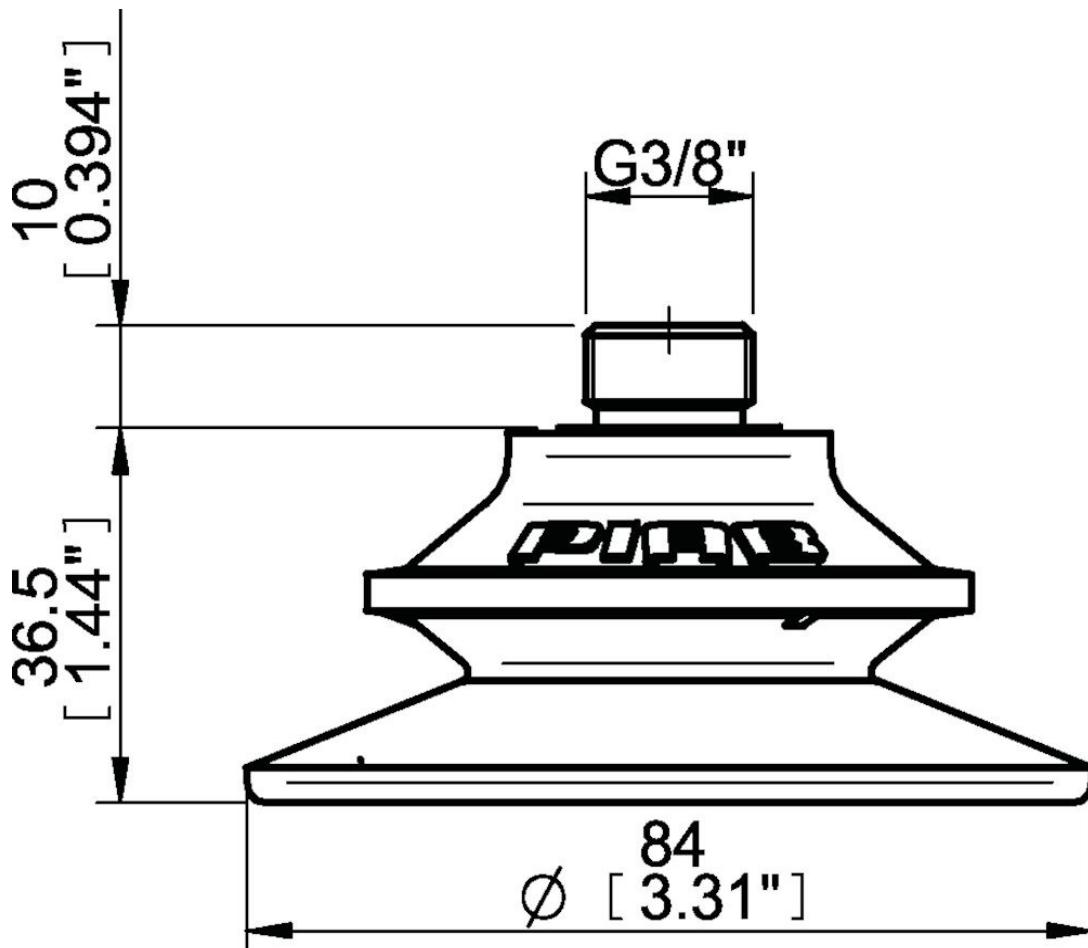
	Vertical (lb)	Parallel (lb)
BF80P PU60		
5.91 -inHg	22.031	15.29
17.72 -inHg	50.58	28.55
26.58 -inHg	66.094	37.32

<b>Material</b>	
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.