

# Datasheet

## Suction cup BF80P Polyurethane 30/50, G3/8" male

Item number: BF80P.4H.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, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, 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 PU30 PU50
Movement, vertical max.	in	0.61
Curve radius, min.	in	1.97

### Performance - Lifting forces

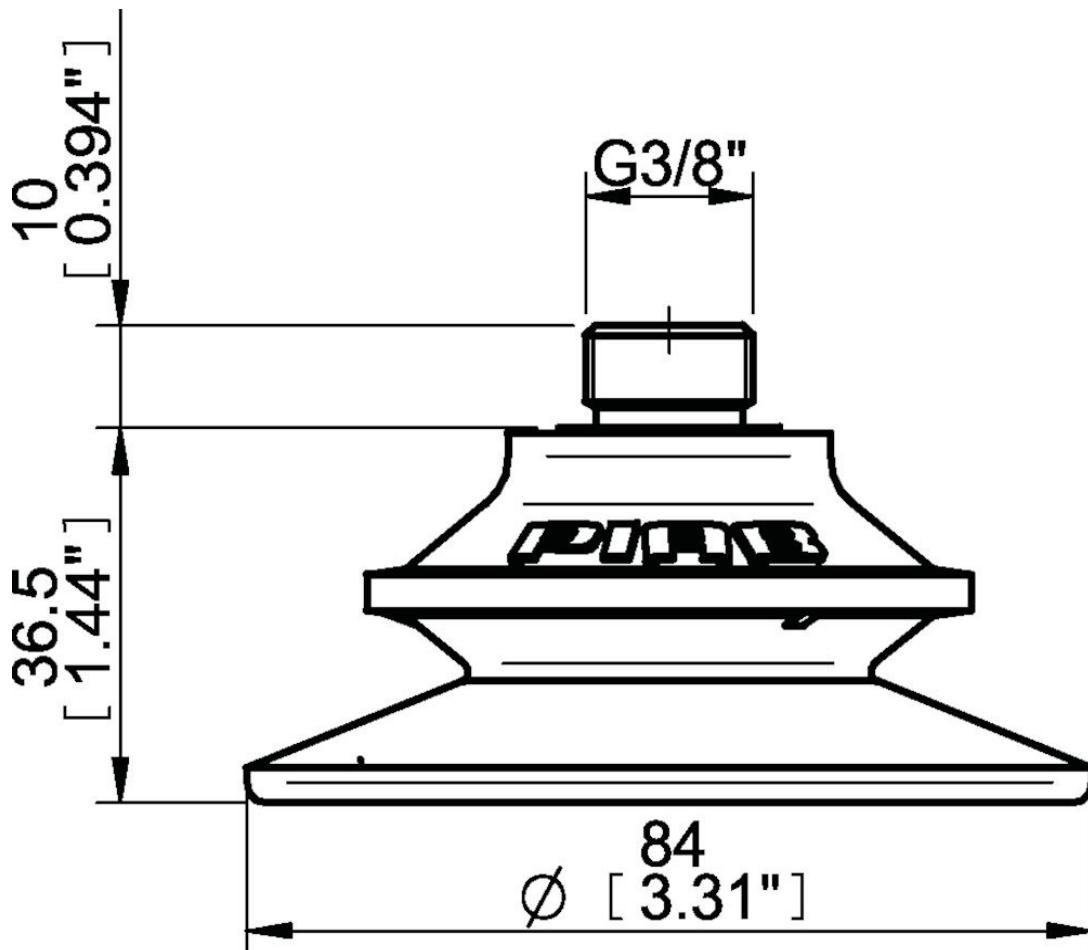
BF80P PU30 PU50	Vertical (lb)	Parallel (lb)
5.91 -inHg	16.41	12.14
17.72 -inHg	35.30	19.78
26.58 -inHg	44.063	26.30

<b>Material</b>		
Name	Polyurethane (PU30)	Polyurethane (PU50)
Color	Yellow	Blue transparent
Temperature, min.   °F	50.0	50.0
Temperature max.   °F	122.0	122.0
Hardness   °Shore A	30	50

#### Material resistance

Alcohol	n/a	n/a
Concentrated acids	Fair	Fair
Ethanol	Fair	Fair
Hydrolysis	Fair	Fair
Methanol	Poor	Poor
Oil	Excellent	Excellent
Oxidation	Poor	Poor
Gasoline	Fair	Fair
Wear resistance	Excellent	Excellent
Weather and ozone	Excellent	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.