

Datasheet

Suction cup BL50-2 Silicone, 1/8" NPSF female, with mesh filter

Item number: BL50-2.20.05AG



- Suitable for level adjustment.
- Lifting movement to separate small and thin objects.
- Less suitable when the lifting force is parallel to the surface of the object.
- Optional reinforcement rings made of polyamide.

Technical data

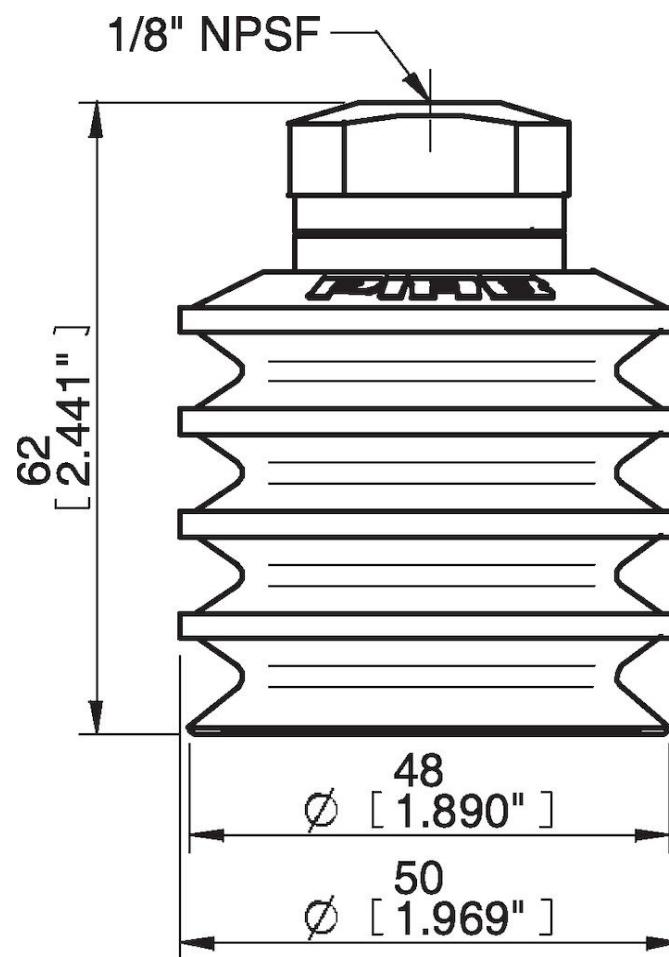
Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Bag handling
Suction cup design	-	Round
Characteristics	-	Bag handling
Material	-	Silicone (SIL)
Weight, min.	oz	0.71
Suction cup model	-	BL-2
Volume	in ³	3.23
Height	in	2.44
Outer diameter, min.	in	1.89
Outer diameter, actuated	in	1.97
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	BL50-2 reinforcement ring
Movement, vertical max.	in	1.18
Suction cup model	-	BL50-2
Movement, vertical max.	in	1.18
Curve radius, min.	in	0.51

Performance - Lifting forces

BL50-2 reinforcement ring	Vertical (lb)	Parallel (lb)
5.91 -inHg	3.82	
17.72 -inHg	9.67	
BL50-2		
5.91 -inHg	4.72	
17.72 -inHg	10.79	

Material	
Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min. °F	-40.0
Temperature max. °F	392.0
Hardness °Shore A	50
Material resistance	
Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Gasoline	Poor
Wear resistance	Good
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

05AF | Fitting 5x1/8" NPSF female, 50
BL50-2.10 | Suction cup BL50-2 Chloroprene
05AI | Fitting G1/8" male, 50, with mesh filter
05CA | Fitting 1/8" NPSF female, 50, PA
05AA | Fitting 1/8" NPSF female, 50
05AD | Fitting G3/8" male, 50, with mesh filter
05AE | Fitting 3/8" NPT male, with mesh filter
05AB | Fitting G1/4" male, 50, with mesh filter
05AC | Fitting 1/4" NPT male, with mesh filter
05DA | Fitting 1/8" NPSF female, 50, with dual flow control valve
05DB | Fitting G1/4" male, with dual flow control valve
05DC | Fitting 1/4" NPT male, with dual flow control valve
05DD | Fitting G3/8" male, 50, with mesh filter and dual flow control valve
05DE | Fitting 3/8" NPT male, with dual flow control valve
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve
31.50.074 | Strengthening ring set BL50, Set of 4

Spare parts

BL50-2.20 | Suction cup BL50-2 Silicone
05AG | Fitting 1/8" NPSF female, 50, with mesh filter