

# Datasheet

## Suction cup BL30-2 Chloroprene, 1/8" NPSF female, with dual flow control valve

Item number: BL30-2.10.04DA



- 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	-	Chloroprene (CR)
Weight, min.	oz	0.25
Suction cup model	-	BL-2
Volume	in <sup>3</sup>	0.61
Leakage flow, max.	scfm	0.28
Height	in	1.59
Outer diameter, min.	in	1.18
Fitting size	-	1/8"
Fitting option	-	Dual flow control valve
Fitting style	-	Female
Fitting type	-	NPSF-thread
Valve restriction	in	0.035
Suction cup model	-	BL30-2 reinforcement ring
Movement, vertical max.	in	0.71
Curve radius, min.	in	0.31
Suction cup model	-	BL30-2
Movement, vertical max.	in	0.71
Curve radius, min.	in	0.31

### Performance - Lifting forces

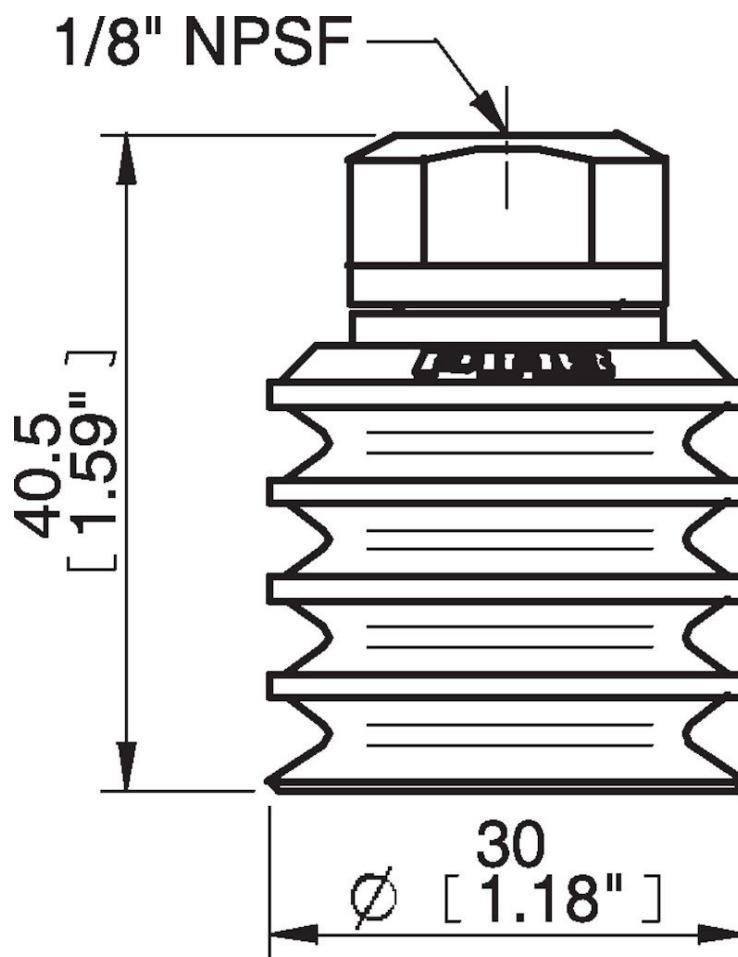
	Vertical (lb)	Parallel (lb)
BL30-2 reinforcement ring		
5.91 -inHg	1.44	
17.72 -inHg	3.60	
BL30-2		
5.91 -inHg	1.57	
17.72 -inHg	4.047	

<b>Material</b>	
Name	Chloroprene (CR) 65° Shore A
Color	Black
Temperature, min.   °F	-40.0
Temperature max.   °F	230.0
Hardness   °Shore A	65

#### Material resistance

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

#### 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

04AF | Fitting 5x1/8" NPSF female, 30–40  
BL30-2.20 | Suction cup BL30-2 Silicone  
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter  
04AI | Fitting G1/8" male, 40, with mesh filter  
04CA | Fitting 1/8" NPSF female, 30–40, PA  
04AA | Fitting 1/8" NPSF female, 30–40  
04AD | Fitting G3/8" male, 30–40, with mesh filter  
04AE | Fitting 3/8" NPT male, with mesh filter  
04AB | Fitting G1/4" male, 30–40, with mesh filter  
04AC | Fitting 1/4" NPT male, with mesh filter  
04DB | Fitting G1/4" male, 30–40, with dual flow control valve  
04DC | Fitting 1/4" NPT male, with dual flow control valve  
04DD | Fitting G3/8" male, 30–40, with dual flow control valve  
04DE | Fitting 3/8" NPT male, with dual flow control valve  
04DF | Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve  
31.50.072 | Strengthening ring set BL30, Set of 4

## Spare parts

BL30-2.10 | Suction cup BL30-2 Chloroprene  
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve