

## piGRIP® G.BGI48S50.B6.S1.G18M.00



- ▶ Configurable suction cup with recyclable parts. The different hardness makes the suction cup stable and at the same time soft and flexible.
- ▶ Durable and long lasting material with higher lifting capacity compared to similar conventional cups.
- ▶ Extraordinary good grip on bags, suitable for both plastic bags and stand-up pouches filled with dry or wet food/substances as well as liquids. For best performance and durability use operating vacuum level at approx. -40kPa. Possible to replace the lip.
- ▶ Suitable for level adjustment where an extra long stroke is needed, such as gripping parts placed in a narrow and deep space or simplifying pick up movements in z-direction. 6-folded bellows are not recommended with energy saving systems.

### Lifting force

Description	Vertical		Parallel	
	40 -kPa	60 -kPa	40 -kPa	60 -kPa
Lifting forces	22.2 N	32.4 N	11.1 N	16.2 N

### Technical data

Description	Unit	Value
Max. vertical movement	mm	34.2
Internal volume	cm <sup>3</sup>	33.2
Weight	g	23.5
Min. Curve radius -60 kPa	mm	26

### Material specification

Description	Material	Colour	Hardness °Shore A	Temperature range (°C)
Lip / Retainer	SIL/POM	Blue/white	50/-	-40-200/-40-106
Bellow	TPE	Lime	87	-20-60/100*
Support	TPE	Lime	80	-20-60/100*
Fitting	Al, NBR	-	-	-20-90

\*Max. Temperature short term contact, <10 seconds and 50% intermittence, ambient temperature 15-30°C, mechanical properties will start to degrade.

### Material resistance

Description	FDA Approved	PWIS Free	Wear Resistance	Oil	Weather & Ozone

Lip / Retainer	Yes / Yes	No / No	Good / Good	Poor / Fair	Excellent / Poor
Bellow	No	Yes	Excellent	Excellent	Excellent
Support	No	Yes	Excellent	Excellent	Excellent

Description	Hydrolysis	Petrol	Concentrated Acids	Alcohol	Oxidation
Lip / Retainer	Fair / Excellent	Poor / Good	Poor / Poor	Good / Good	Excellent / Poor
Bellow	Fair	Poor	Poor	Good	Good
Support	Fair	Poor	Poor	Good	Good

Values specified in data sheet are tested at:

- 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.

Dimensional drawing



Description	Unit	Value
Building height	mm	77.8
Building height (no fitting)	mm	72.8
Diameter (lip)	mm	48
Wrench key (fitting)	mm	SW 17

Ordering information

Description	Product code
piGRIP®, Ø 48 mm Bag lip with retainer, Silicone 50° Shore A, Blue, Bellows 6 folds, Support S1, G-Thread, 1/8", Male, No Option, None	G.BGI48S50.B6.S1.G18M.00

Ordering information, spare parts

Description	Art. No.
Ø 48 mm Bag lip, Silicone 50° Shore A	0201633