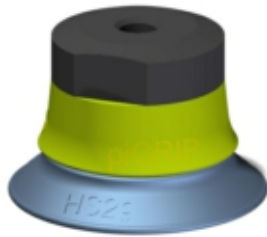


piGRIP® G.HS29HN50.F.S1.MM5F.19



- ▶ 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.
- ▶ Flexible lip made of mark and silicone free material with high durability and temperature resistance. Suitable for handling hot, curved and slightly textured surfaces, such as plastic parts being removed from injection molding equipment.
- ▶ Suitable for flat or slightly curved objects. Cleats prevent thin, sensitive objects from being deformed.
- ▶ Suitable for handling a different number of leaking objects such as corrugated cardboard and MDF board, etc. The vacuum level will be held in the system even if a few cups miss the object.

Lifting force

Description	Vertical		Parallel	
	40 -kPa	60 -kPa	40 -kPa	60 -kPa
Lifting forces	15.9 N	23.3 N	13.5 N	19.8 N

Technical data

Description	Unit	Value
Max. vertical movement	mm	2.3
Internal volume	cm ³	1.8
Weight	g	8.3
Min. Curve radius -60 kPa	mm	18
Pump flow/cup to close valve	l/s	0.21 (@ 3 -kPa)
Pump flow/cup minimum	l/s	0.001 (@ 45 -kPa)

Material specification

Description	Material	Colour	Hardness °Shore A	Temperature range (°C)
Lip	HNBR	Blue	50	-30-120/150*
Support	TPE	Lime	87	-20-60/100*
Fitting	Al	-	-	-20-120
Sense	TPE, HNBR	Yellow	-	-20-80

*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	No	Yes	Excellent	Excellent	Excellent
Support	No	Yes	Excellent	Excellent	Excellent

Description	Hydrolysis	Petrol	Concentrated Acids	Alcohol	Oxidation
Lip	Good	Excellent	Fair	Good	Excellent
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	19.4
Building height (no fitting)	mm	13.4
Diameter (lip)	mm	29
Wrench key (fitting)	mm	SW 17

Ordering information

Description	Product code
piGRIP®, Ø 29 mm Hot surface lip, HNBR 50° Shore A, Blue, No bellows, Support S1, M-Thread, M5, Female, piSAVE sense 02/60, C. flow 0,21 NI/s, None	G.HS29HN50.F.S1.MM5F.19