

piGRIP® G.FLI70S.F.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.
- ▶ Soft foam/cellular rubber material makes it possible to grip almost any type of irregular surface with vacuum. Suitable when traditional lips are not working.
- ▶ Suitable for flat or slightly curved objects. Cleats prevent thin, sensitive objects from being deformed.

Lifting force

| Description | Vertical | | Parallel | |
|----------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 40 -kPa | 60 -kPa | 40 -kPa | 60 -kPa |
| Lifting forces | Dependent on application | Dependent on application | Dependent on application | Dependent on application |

Technical data

| Description | Unit | Value |
|---------------------------|-----------------|--------------------------|
| Max. vertical movement | mm | 16.5 |
| Internal volume | cm ³ | 20.5 |
| Weight | g | 51.4 |
| Min. Curve radius -60 kPa | mm | Dependent on application |

Material specification

| Description | Material | Colour | Hardness °Shore A | Temperature range (°C) |
|-------------|---------------|-------------|-------------------|------------------------|
| Lip | EPDM, PP, PUR | Black/green | - | 0-80 |
| Support | TPE | Lime | 87 | -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 | No | No | Fair | Poor | Excellent |
| Support | No | Yes | Excellent | Excellent | Excellent |

| Description | Hydrolysis | Petrol | Concentrated Acids | Alcohol | Oxidation |
|-------------|------------|--------|--------------------|-----------|-----------|
| Lip | Good | Poor | Poor | Excellent | 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 | 36.1 |
| Building height (no fitting) | mm | 31.1 |
| Diameter (lip) | mm | 71 |
| Wrench key (fitting) | mm | SW 17 |

Ordering information

| Description | Product code |
|---|-----------------------|
| piGRIP®, Ø 70 mm Foam lip, EPDM Soft, No bellows, Support S1, G-Thread, 1/8", Male, No Option, None | G.FLI70S.F.S1.G18M.00 |

Ordering information, spare parts

| Description | Art. No. |
|-----------------------------|----------|
| Ø 70 mm Foam lip, Foam soft | 0124658 |