

Suction cup FC50P Polyurethane 40, G3/8" male - 1/8" NPSF female, 0103289



- Suitable for slightly domed and flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- The suction cups have cleats that prevent thin objects from being disfigured.
- DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled.

General

| | |
|-------------------------|----------------------------|
| Curve radius | 53 mm |
| Movement, vertical max. | 5 mm |
| Application | Mark Free, Dry sheet metal |
| Material | Polyurethane (PU40) |
| Suction cup model | FC |
| Suction cup shape | Flat Concave |
| Volume | 10 cm ³ |
| Weight | 28 g |

Fitting

| | |
|----------------|-----------------------|
| Fitting size | 1/8", 3/8" |
| Fitting style | Female/Male |
| Fitting type | G-thread, NPSF-thread |
| Fitting option | None |

Dimension

| | |
|----------------|---------|
| Height | 33.5 mm |
| Outer diameter | 50 mm |

Performance — lifting forces

| |  |  |
|---------|---|---|
| 20 -kPa | 28 N | 49 N |
| 60 -kPa | 77 N | 82 N |
| 90 -kPa | 103 N | 100 N |

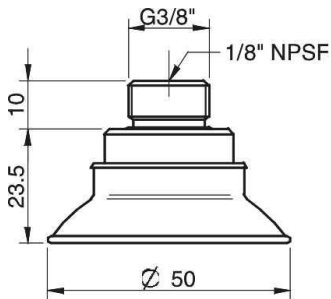
Material

| | |
|-------------|---------------------|
| | Polyurethane (PU40) |
| Colour | Red transparent |
| Hardness | 40 °Shore A |
| Temperature | 10 – 50 °C |

Material resistance

| | Polyurethane (PU40) |
|--------------------|---------------------|
| Alcohol | N/A |
| Concentrated acids | + |
| Ethanol | + |
| Hydrolysis | + |
| Methanol | - |
| Oil | +++ |
| Oxidation | - |
| Petrol | + |
| Wear resistance | +++ |
| Weather and ozone | +++ |

Dimensional drawings



Values specified in the 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 | 0-100% |
| Compressed air quality | DIN ISO 8573-1 class 4 |