

Suction cup FC75P Polyurethane 60, G3/8" male - 1/8" NPSF female

Article number: 0103296



- 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.

Technical data

| Description | Unit | Value |
|-------------------------|-----------------|----------------------------|
| Suction cup shape | - | Flat Concave |
| Application | - | Dry sheet metal, Mark Free |
| Suction cup design | - | Round |
| Characteristics | - | Dry sheet metal, Mark free |
| Material | - | Polyurethane (PU) |
| Weight, min. | g | 45 |
| Suction cup model | - | FC |
| Volume | cm ³ | 30 |
| Height | mm | 33.5 |
| Outer diameter, min. | mm | 75 |
| Fitting size | - | 3/8" |
| Fitting option | - | None |
| Fitting style | - | Female |
| Fitting type | - | G-thread |
| Suction cup model | - | FC75P PU60 |
| Movement, vertical max. | mm | 8.2 |
| Curve radius, min. | mm | 78 |

Performance - Lifting forces

| FC75P PU60 | Vertical (N) | Parallel (N) |
|------------|--------------|--------------|
| 20 -kPa | 73 | 93 |
| 60 -kPa | 168 | 225 |
| 90 -kPa | 225 | 255 |

Material

| | |
|------------------------|---------------------|
| Name | Polyurethane (PU60) |
| Colour | Green transparent |
| Temperature, min. °C | 10 |
| Temperature max. °C | 50 |
| Hardness °Shore A | 60 |

Material resistance

| | |
|--------------------|-----------|
| Alcohol | n/a |
| Concentrated acids | Fair |
| Ethanol | Fair |
| Hydrolysis | Fair |
| Methanol | Poor |
| Oil | Excellent |
| Oxidation | Poor |
| Petrol | Fair |
| Wear resistance | Excellent |
| Weather and ozone | Excellent |

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.

Spare parts

0107148 | Thread insert G3/8" male, with O-ring and mesh filter

0107302 | Suction cup FC75P Polyurethane 60, for tread insert