

Datasheet

Suction cup BFFT23P Polyurethane 60/60/30, G3/8" female plastic

Item number: BFFT23P.5V.G85WC



Technical data

| Description | Unit | Value |
|--------------------------|-----------------|-------------------------|
| Suction cup shape | - | Bellows |
| Application | - | Oily sheet metal |
| Suction cup design | - | Round |
| Characteristics | - | Oily sheet metal |
| Material | - | Polyurethane (PU) |
| Weight, min. | oz | 0.28 |
| Suction cup model | - | BFFT |
| Volume | in ³ | 0.061 |
| Height | in | 1.18 |
| Height 2 (Actuated) | in | 0.98 |
| Outer diameter, min. | in | 0.91 |
| Outer diameter, actuated | in | 0.94 |
| Fitting size | - | 3/8" |
| Fitting option | - | Filter mesh |
| Fitting style | - | Female |
| Fitting type | - | G-thread |
| Fitting material | - | PA |
| Suction cup model | - | BFFT23 Dry metal sheet |
| Movement, vertical max. | in | 0.20 |
| Curve radius, min. | in | 0.35 |
| Suction cup model | - | BFFT23 Oily metal sheet |
| Movement, vertical max. | in | 0.20 |
| Curve radius, min. | in | 0.35 |

Performance - Lifting forces

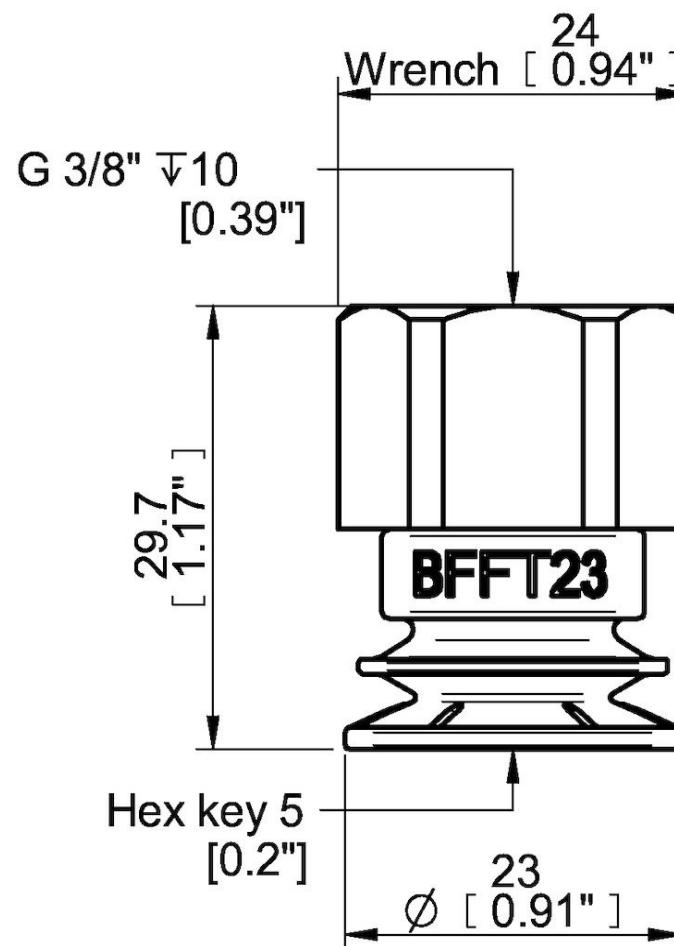
| | Vertical (lb) | Parallel (lb) |
|-------------------------|---------------|---------------|
| BFFT23 Dry metal sheet | | |
| 17.72 -inHg | 4.27 | 3.37 |
| 26.58 -inHg | 6.070 | 4.27 |
| BFFT23 Oily metal sheet | | |
| 17.72 -inHg | 3.82 | 2.023 |
| 26.58 -inHg | 5.17 | 2.70 |

| Material | Polyurethane (PU30) | Polyurethane (PU60) | Polyurethane (PU60) |
|------------------------|---------------------|---------------------|---------------------|
| Name | | | |
| Color | Yellow | Green transparent | Orange |
| Temperature, min. °F | 50.0 | 50.0 | 50.0 |
| Temperature max. °F | 122.0 | 122.0 | 122.0 |
| Hardness °Shore A | 30 | 60 | 60 |

Material resistance

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

Dimensional drawings



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.