

Datasheet

Suction cup DCF100P Polyurethane 60, G3/8" female 17mm with mesh filter

Item number: DCF100P.5Y.G78MR



Technical data

| Description | Unit | Value |
|--------------------------|-----------------|-------------------------|
| Suction cup shape | - | Deep Concave |
| Application | - | Oily sheet metal |
| Suction cup design | - | Round |
| Characteristics | - | Oily sheet metal |
| Material | - | Polyurethane (PU) |
| Weight, min. | oz | 3.90 |
| Suction cup model | - | DCF |
| Volume | in ³ | 3.60 |
| Height | in | 2.087 |
| Height 2 (Actuated) | in | 1.61 |
| Outer diameter, min. | in | 3.95 |
| Outer diameter, actuated | in | 4.13 |
| Fitting size | - | 3/8" |
| Fitting option | - | Filter mesh |
| Fitting style | - | Female |
| Fitting type | - | G-thread |
| Fitting material | - | Al |
| Suction cup model | - | DCF100 Dry metal sheet |
| Movement, vertical max. | in | 0.47 |
| Curve radius, min. | in | 2.76 |
| Suction cup model | - | DCF100 Oily metal sheet |
| Movement, vertical max. | in | 0.47 |
| Curve radius, min. | in | 2.76 |

Performance - Lifting forces

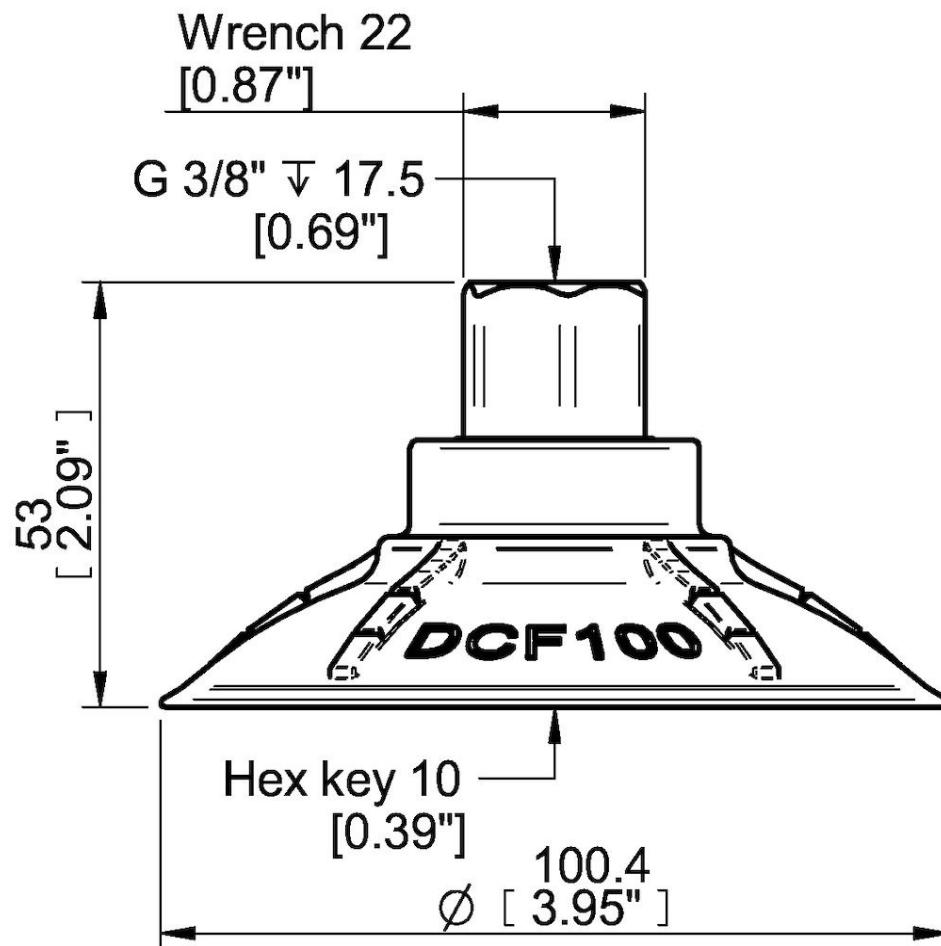
| | Vertical (lb) | Parallel (lb) |
|-------------------------|---------------|---------------|
| DCF100 Dry metal sheet | | |
| 17.72 -inHg | 55.98 | 60.47 |
| 26.58 -inHg | 75.31 | 92.85 |
| DCF100 Oily metal sheet | | |
| 17.72 -inHg | 53.50 | 42.26 |
| 26.58 -inHg | 72.84 | 58.45 |

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

Material resistance

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