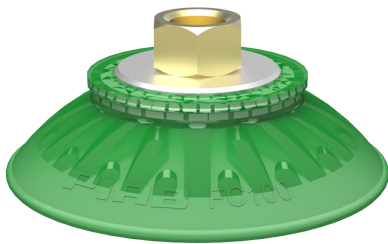


Suction cup FC100P Polyurethane 60, brass 3/8" NPSF female

Item number: FC100P.5E.N40W



- 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® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

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. | oz | 2.26 |
| Suction cup model | - | FC |
| Volume | in³ | 4.88 |
| Height | in | 1.63 |
| Outer diameter, min. | in | 3.94 |
| Fitting size | - | 3/8" |
| Fitting option | - | None |
| Fitting style | - | Female |
| Fitting type | - | NPSF-thread |
| Suction cup model | - | FC100P PU60 |
| Movement, vertical max. | in | 0.40 |
| Curve radius, min. | in | 4.33 |

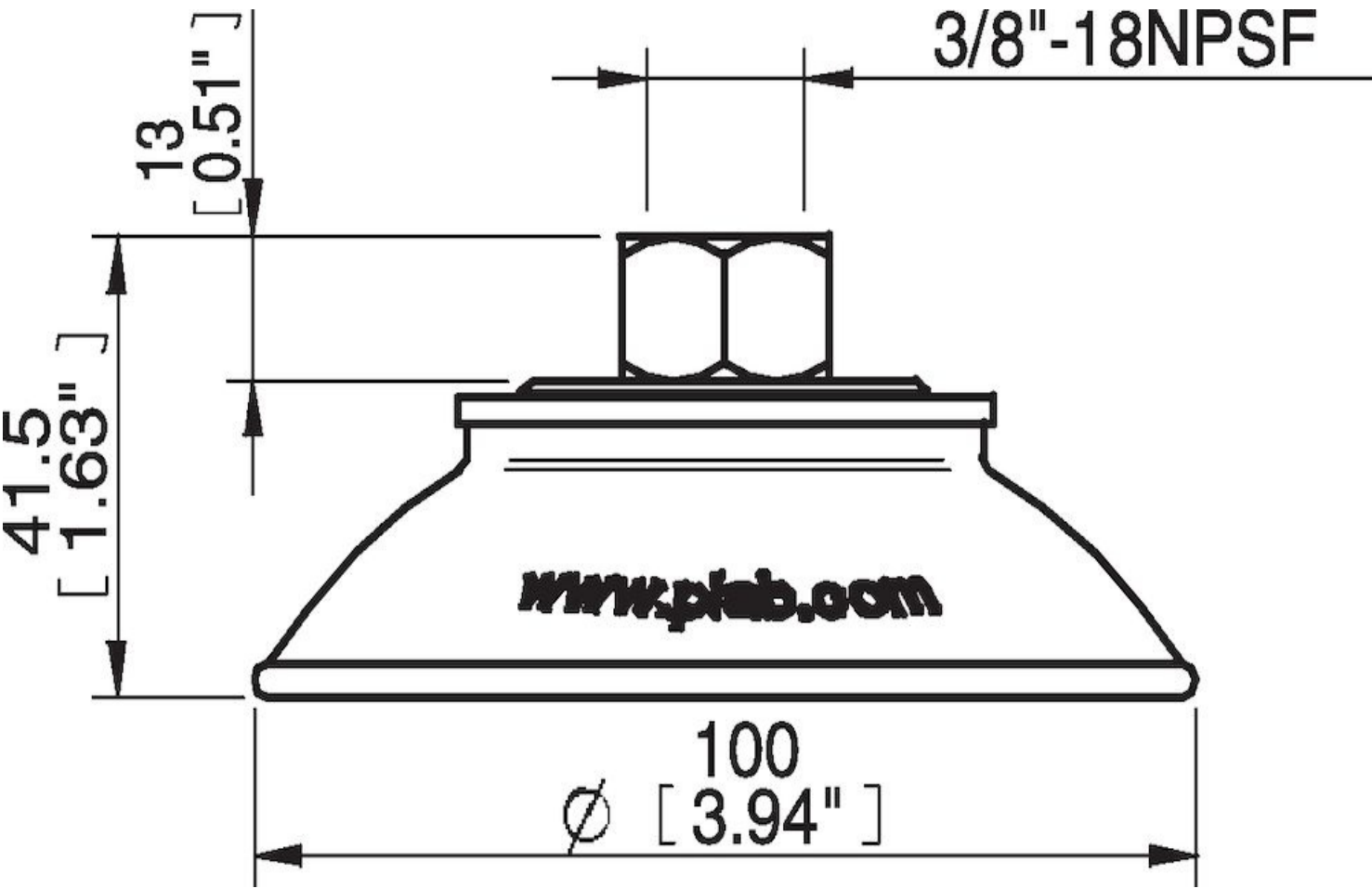
Performance - Lifting forces

| FC100P PU60 | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg | 34.17 | 25.18 |
| 17.72 -inHg | 73.74 | 59.35 |
| 26.58 -inHg | 100.27 | 85.88 |

| | |
|------------------------|---------------------|
| Material | |
| Name | Polyurethane (PU60) |
| Color | Green transparent |
| 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.

Accessories

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter

07ND | Fitting 75, G3/8" female, clamp ring with mesh filter

07NE | Fitting 75, 3/8" NPSF female, with mesh filter

07NF | Fitting 75, G1/2" female, clamp ring with mesh filter

FC100P.4C | Suction cup FC100P Polyurethane 40

FC100P.5C | Suction cup FC100P Polyurethane 40 with collar for Vacuum Gripper System (VGS)

01.07.148 | Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)

FC100P.5E | Suction cup FC100P Polyurethane 60 with collar for Vacuum Gripper System (VGS)

Spare parts

FC100P.4E | Suction cup FC100P Polyurethane 60