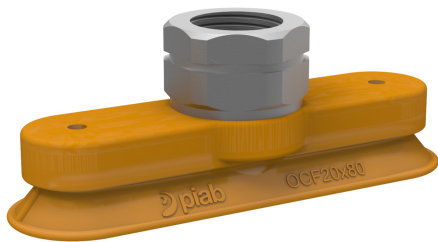


## Suction cup OCF20x80P Polyurethane 55/60, 3/8" NPT female

Item number: OCF20x80P.5R.N47W



- Special designed friction cups for oily surfaces, such as sheets in metal forming processes.
- Normal wear on friction cup will not affect the long term shear force performance.
- Best choice if > 0,1g/m2 press oil is used on the sheet.
- Thanks to the strong grip on oily surfaces, the suction cups can withstand high shear forces, typically 2–4 times more than corresponding conventional suction cups.
- The "OCF" design is suitable for oblong objects with slightly curved or flat surfaces, such as those encountered with body parts in the automotive industry.
- Fitting option, male G3/8", with a swivel function prior to the locking operation, for easy positioning of the oval cup.
- 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       | -               | Concave                    |
| Application             | -               | Oily sheet metal           |
| Suction cup design      | -               | Oval                       |
| Characteristics         | -               | Oily sheet metal           |
| Material                | -               | Polyurethane (PU)          |
| Weight, min.            | oz              | 0.85                       |
| Suction cup model       | -               | OCF-P                      |
| Volume                  | in <sup>3</sup> | 0.92                       |
| Height                  | in              | 1.19                       |
| Length                  | in              | 3.31                       |
| Fitting size            | -               | 3/8"                       |
| Fitting option          | -               | None                       |
| Fitting style           | -               | Female                     |
| Fitting type            | -               | NPT-thread                 |
| Width (1)               | in              | 0.94                       |
| Suction cup model       | -               | OCF20x80P Dry metal sheet  |
| Movement, vertical max. | in              | 0.13                       |
| Curve radius, min.      | in              | 0.79                       |
| Suction cup model       | -               | OCF20x80P Oily steel plate |
| Movement, vertical max. | in              | 0.13                       |
| Curve radius, min.      | in              | 0.79                       |

Performance - Lifting forces

| OCF20x80P Dry metal sheet  | Vertical (lb) | Parallel (lb) |
|----------------------------|---------------|---------------|
| 17.72 -inHg                | 16.86         | 17.54         |
| 26.58 -inHg                | 24.95         | 25.18         |
| OCF20x80P Oily steel plate |               |               |
| 17.72 -inHg                | 18.43         | 7.87          |
| 26.58 -inHg                | 20.23         | 10.79         |

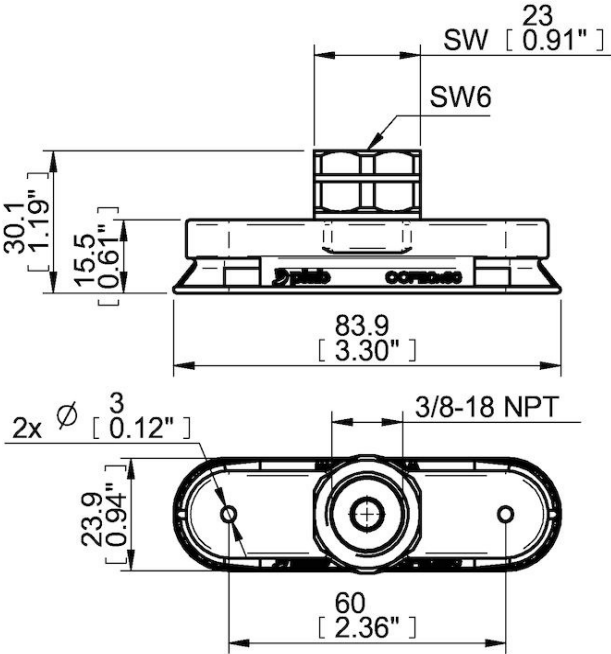
Material

|                        |                     |                     |
|------------------------|---------------------|---------------------|
| Name                   | Polyurethane (PU55) | Polyurethane (PU60) |
| Color                  | Orange              | Green transparent   |
| Temperature, min.   °F | 50.0                | 50.0                |
| Temperature max.   °F  | 122.0               | 122.0               |
| Hardness   °Shore A    | 55                  | 60                  |

Material resistance

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