

# Suction cup FCF100P Polyurethane 55/60, G3/8" female, 17 mm thread, 0200690



- 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  $> 0.1\text{g/m}^2$  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 "FCF" design is suitable for slightly domed and flat surfaces, e.g., such as those encountered when handling metal sheets in press lines.
- The suction cups have support 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.

## Общее

|                         |                                      |
|-------------------------|--------------------------------------|
| Curve radius            | 150 mm                               |
| Movement, vertical max. | 6 mm                                 |
| Применение              | Масляный лист                        |
| Материал                | Полиуретан (PU55), Полиуретан (PU60) |
| Модель присоски         | FCF                                  |
| Форма                   | Плоская вогнутая присоска            |
| Объем                   | 70 cm <sup>3</sup>                   |
| Weight                  | 92 – 171 g                           |

## Фитинга

|                     |                   |
|---------------------|-------------------|
| Размер креплений    | 3/8"              |
| Конструкция фитинга | Внутренняя резьба |
| Конструкция фитинга | G-резьба          |
| Варианты фитингов   | Нет               |

## Измерение

|                                  |          |
|----------------------------------|----------|
| Высота                           | 45 mm    |
| Внешний диаметр                  | 100 mm   |
| Внешний диаметр, с сервоприводом | 104,6 mm |

## Производительность — подъемная сила, Dry metal sheet

|         |  |  |
|---------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 60 -kPa | 347 N                                                                               | 337 N                                                                                 |
| 90 -kPa | 490 N                                                                               | 484 N                                                                                 |

Производительность — подъемная сила, Oily steel plate

|         |  |  |
|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 60 -kPa | 236 N                                                                             | 139 N                                                                               |
| 90 -kPa | 298 N                                                                             | 205 N                                                                               |

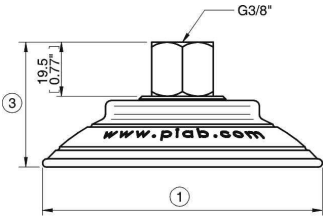
Материал

|             | Полиуретан (PU55) | Полиуретан (PU60)  |
|-------------|-------------------|--------------------|
| Цвет        | Оранжевый         | Зеленый прозрачный |
| Жесткость   | 55 °Shore A       | 60 °Shore A        |
| Temperature | 10 – 50 °C        | 10 – 50 °C         |

Соппротивление материала

|                            | Полиуретан (PU55) | Полиуретан (PU60) |
|----------------------------|-------------------|-------------------|
| Алкоголь                   | N/A               | N/A               |
| Концентрированные кислоты  | +                 | +                 |
| Этанол                     | +                 | +                 |
| Гидролиз                   | +                 | +                 |
| Метанол                    | -                 | -                 |
| Масло                      | +++               | +++               |
| Окисление                  | -                 | -                 |
| Бензин                     | +                 | +                 |
| Износостойкость            | +++               | +++               |
| Атмосферные условия и озон | +++               | +++               |

Масштабные чертежи



Values specified in the data sheet are tested at:

|                        |                                          |
|------------------------|------------------------------------------|
| 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      | 0-100%                                   |
| Compressed air quality | DIN ISO 8573-1 class 4                   |