

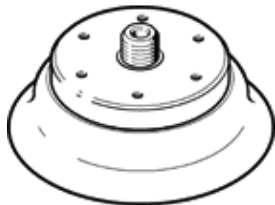
# Suction cup complete

## ESS-80-EF

Part number: 189361

FESTO

easily interchangeable,



## Data sheet

| Feature                                       | Value   |
|---|---|
| Min. workpiece radius                         | 160 mm  |
| Nominal size                                  | 6 mm  |
| suction cup diameter                          | 80 mm   |
| suction cup volume                            | 51.61 cm <sup>3</sup>   |
| Position of connection                        | on top  |
| Assembly position                             | Any   |
| Correlation to suction-cup holder             | Size 5  |
| Suction cup shape                             | Round, extra deep   |
| Operating pressure MPa                        | -95 ... 0 kPa   |
| Working pressure                              | -0.95 ... 0 bar   |
| Operating pressure                            | -13.775 ... 0 psi   |
| Nominal operating pressure                    | -70 kPa   |
| Nominal working pressure                      | -0.7 bar  |
| Nominal operating pressure (psi)              | -10.15 psi  |
| Operating medium                              | Atmospheric air based on ISO 8573-1:2010 [7:::]                   |
| Corrosion resistance classification CRC       | 1 - Low corrosion stress  |
| PWIS conformity                               | VDMA24364-A1-L  |
| Food-safe                                     | See Supplementary material information                            |
| Ambient temperature                           | -10 ... 200 °C  |
| Retention force at nominal operating pressure | 275 N   |
| Lateral force at nominal operating pressure   | 148.5 N   |
| Product weight                                | 141 g   |
| Mounting type                                 | Via vacuum port   |
| Vacuum connection                             | M10   |
| Color   | Grey  |
| Shore hardness                                | 60 +/- 5  |
| Material of threaded plug                     | Steel, nickel-plated<br>POM<br>Galvanised and chrome-plated steel |
| Materials note                                | Conforms to RoHS  |
| Material suction cup                          | FPM   |