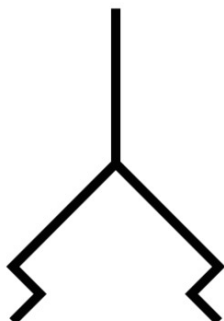


# Suction cup complete ESS-80-SF

Part number: 189321

FESTO



## Data sheet

 General operating condition

| Feature                                     | Value                                                             |
|---------------------------------------------|-------------------------------------------------------------------|
| Min. workpiece radius                       | 400 mm                                                            |
| Nominal size                                | 6 mm                                                              |
| Suction cup diameter                        | 80 mm                                                             |
| Suction cup volume                          | 19.312 cm <sup>3</sup>                                            |
| Position of connection                      | Top                                                               |
| Mounting position                           | optional                                                          |
| Symbol                                      | 00991485                                                          |
| Correlation to suction-cup holder           | Size 5                                                            |
| Suction cup shape                           | Round, flat                                                       |
| Operating pressure                          | -0.095 MPa ... 0 MPa                                              |
| Operating pressure                          | -0.95 bar ... 0 bar                                               |
| Operating pressure                          | -13.775 psi ... 0 psi                                             |
| Nominal operating pressure                  | -0.07 MPa                                                         |
| Nominal operating pressure                  | -0.7 bar                                                          |
| Nominal operating pressure                  | -10.15 psi                                                        |
| Operating medium                            | Atmospheric air based on ISO 8573-1:2010 [7:-:-]                  |
| Corrosion resistance class CRC              | 1 - Low corrosion stress                                          |
| LABS (PWIS) conformity                      | VDMA24364-A1-L                                                    |
| Suitable for use with food                  | See supplementary material information                            |
| Ambient temperature                         | -10 °C ... 200 °C                                                 |
| Holding force at nominal operating pressure | 309.7 N                                                           |
| Lateral force at nominal operating pressure | 139.5 N                                                           |
| Product weight                              | 133 g                                                             |
| Type of mounting                            | Via vacuum port                                                   |
| Vacuum connection                           | M10                                                               |
| Colour                                      | grey                                                              |
| Shore hardness                              | 60 +/- 5                                                          |
| Material screwed plug                       | POM<br>Nickel-plated steel<br>Steel, galvanised and chrome-plated |

| Feature              | Value          |
|----------------------|----------------|
| Note on materials    | RoHS-compliant |
| Material suction cup | FPM            |