

# Suction cup complete ESS-100-ES

Part number: 189364

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                     | Value   |
|---|---|
| Min. workpiece radius                       | 200 mm  |
| Nominal size                                | 6 mm  |
| Suction cup diameter                        | 100 mm  |
| Suction cup volume                          | 84.66 cm <sup>3</sup>   |
| Position of connection                      | Top   |
| Mounting position                           | optional  |
| Symbol                                      | 00991485  |
| Correlation to suction-cup holder           | Size 5  |
| Suction cup shape                           | Round extra deep  |
| 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 zone III  |
| Suitable for use with food                  | See supplementary material information                            |
| Ambient temperature                         | -30 °C ... 180 °C   |
| Holding force at nominal operating pressure | 440.8 N   |
| Lateral force at nominal operating pressure | 150 N   |
| Product weight                              | 228 g   |
| Type of mounting                            | Via vacuum port   |
| Vacuum connection                           | M10   |
| Colour                                      | Transparent   |
| Shore hardness                              | 50 +/- 5  |
| Material screwed plug                       | POM<br>Nickel-plated steel<br>Steel, galvanised and chrome-plated |
| Note on materials                           | RoHS-compliant  |
| Material suction cup                        | VMQ (silicone)  |