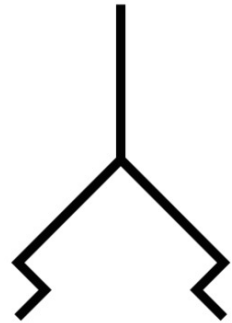
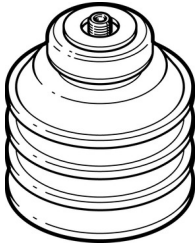


# Suction cup complete ESS-50-CS

Part number: 189407

FESTO



## Data sheet

 General operating condition

| Feature                                     | Value                                            |
|---------------------------------------------|--------------------------------------------------|
| Height compensator for suction cup          | 17.5 mm                                          |
| Min. workpiece radius                       | 180 mm                                           |
| Nominal size                                | 3 mm                                             |
| Suction cup diameter                        | 50 mm                                            |
| Suction cup volume                          | 38.92 cm <sup>3</sup>                            |
| Position of connection                      | Top                                              |
| Mounting position                           | optional                                         |
| Symbol                                      | 00991485                                         |
| Correlation to suction-cup holder           | Size 4                                           |
| Suction cup shape                           | Round bellows 3.5 convolutions                   |
| 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 | 63.4 N                                           |
| Lateral force at nominal operating pressure | 45.5 N                                           |
| Product weight                              | 32.1 g                                           |
| Type of mounting                            | Via vacuum port                                  |
| Vacuum connection                           | M6                                               |
| Colour                                      | Transparent                                      |
| Shore hardness                              | 50 +/- 5                                         |

| Feature               | Value                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Material screwed plug | Nickel-plated wrought aluminium alloy<br>Nickel-plated brass<br>Steel, galvanised and chrome-plated |
| Note on materials     | RoHS-compliant                                                                                      |
| Material suction cup  | VMQ (silicone)                                                                                      |