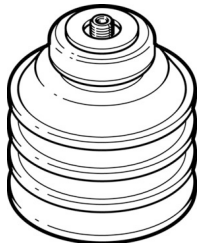


# Suction cup complete ESS-50-CS

Part number: 189407

FESTO



## Data sheet

| 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                                                                                            |
| Correlation to suction-cup holder           | Size 4                                                                                              |
| Suction cup shape                           | Round bellows 3.5 convolutions                                                                      |
| Operating pressure                          | -95 kPa...0 kPa<br>-0.95 bar...0 bar<br>-13.775 psi...0 psi                                         |
| Nominal operating pressure                  | -70 kPa<br>-0.7 bar<br>-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                                                                                            |
| Material screwed plug                       | Nickel-plated wrought aluminium alloy<br>Nickel-plated brass<br>Steel, galvanised and chrome-plated |
| Note on materials                           | RoHS-compliant                                                                                      |

| Feature              | Value          |
|----------------------|----------------|
| Material suction cup | VMQ (silicone) |