

# Vacuum suction cup

## ESS-10-SS

Part number: 189286

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                     | Value   |
|---|---|
| Min. workpiece radius                       | 30 mm   |
| Nominal width                               | 2 mm  |
| Suction cup diameter                        | 10 mm   |
| Suction cup volume                          | 0.05 cm <sup>3</sup>                            |
| Connection position                         | Top   |
| Mounting position                           | Any   |
| Symbol                                      | 00991485  |
| Classification of suction cup holder        | Size 3  |
| 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 zone III                              |
| For use in the food industry                | See supplementary material information          |
| Ambient temperature                         | -30 °C ... 180 °C                               |
| Holding force at nominal operating pressure | 3.9 N   |
| Lateral force at nominal operating pressure | 4 N   |
| Product weight                              | 1.5 g   |
| Type of mounting                            | Via vacuum connection                           |
| Vacuum connection                           | M4  |
| Color                                       | Transparent                                     |
| Shore hardness                              | 50 +/- 5  |
| Material of screwed plug                    | Brass, nickel-plated                            |
| Note on materials                           | RoHS-compliant                                  |
| Suction cup material                        | VMQ (silicone)                                  |