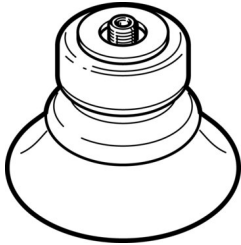


Vacuum suction cup

ESS-50-BN

Part number: 189390

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Suction cup height compensation | 11 mm |
| Min. workpiece radius | 150 mm |
| Nominal width | 3 mm |
| Suction cup diameter | 50 mm |
| Suction cup volume | 14.23 cm ³ |
| Connection position | Top |
| Mounting position | Any |
| Symbol | 00991485 |
| Classification of suction cup holder | Size 4 |
| Suction cup shape | Round bellows, 1.5 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-A1-L |
| For use in the food industry | See supplementary material information |
| Ambient temperature | -10 °C ... 70 °C |
| Holding force at nominal operating pressure | 72.6 N |
| Lateral force at nominal operating pressure | 55.5 N |
| Product weight | 24.7 g |
| Type of mounting | Via vacuum connection |
| Vacuum connection | M6 |
| Color | Black |
| Shore hardness | 50 +/- 5 |
| Material of screwed plug | Wrought aluminum alloy, nickel-plated Brass, nickel-plated Steel, galvanized and chrome-plated |

| Feature | Value |
|----------------------|----------------|
| Note on materials | RoHS-compliant |
| Suction cup material | NBR |