

# Vacuum suction cup

## ESS-100-GT-G1/4

Part number: 525988

FESTO



### Data sheet

| Feature                                     | Value   |
|---|---|
| Suction cup holder height compensator       | 9 mm  |
| Min. workpiece radius                       | 135 mm  |
| Nominal width                               | 5.5 mm  |
| Suction cup diameter                        | 100 mm  |
| Suction cup volume                          | 53.9 cm <sup>3</sup>                            |
| Mounting position                           | Any   |
| Structural design                           | Round, bell-shaped                              |
| Suction cup shape                           | Round, deep                                     |
| Operating pressure                          | -0.95 bar...0 bar                               |
| Nominal operating pressure                  | -0.7 bar  |
| Operating medium                            | Atmospheric air based on ISO 8573-1:2010 [7:::] |
| Corrosion resistance class (CRC)            | 2 - Moderate corrosion stress                   |
| LABS (PWIS) conformity                      | VDMA24364-A1-L                                  |
| Ambient temperature                         | -10 °C...80 °C                                  |
| Breakaway force at 70% vacuum               | 297 N   |
| Holding force at nominal operating pressure | 375 N   |
| Max. tightening torque for mounting thread  | 11 Nm   |
| Lateral force at nominal operating pressure | 183 N   |
| Product weight                              | 87.5 g  |
| Type of mounting                            | Via vacuum connection                           |
| Vacuum connection                           | G1/4  |
| Color                                       | Reddish brown                                   |
| Shore hardness                              | 72 +/- 5  |
| Material of screwed plug                    | Wrought aluminum alloy                          |
| Note on materials                           | RoHS-compliant                                  |
| Suction cup material                        | Vulkollan®                                      |