

# Suction cup complete ESS-30-BN

Part number: 189382

FESTO



## Data sheet

| Feature                                     | Value                                                       |
|---------------------------------------------|-------------------------------------------------------------|
| Height compensator for suction cup          | 8 mm                                                        |
| Min. workpiece radius                       | 80 mm                                                       |
| Nominal size                                | 3 mm                                                        |
| Suction cup diameter                        | 30 mm                                                       |
| Suction cup volume                          | 4.07 cm <sup>3</sup>                                        |
| Position of connection                      | Top                                                         |
| Mounting position                           | optional                                                    |
| Correlation to suction-cup holder           | Size 4                                                      |
| Suction cup shape                           | Round bellows 1.5 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-A1-L                                              |
| Suitable for use with food                  | See supplementary material information                      |
| Ambient temperature                         | -10 °C...70 °C                                              |
| Holding force at nominal operating pressure | 26.2 N                                                      |
| Lateral force at nominal operating pressure | 24.5 N                                                      |
| Product weight                              | 9.9 g                                                       |
| Type of mounting                            | Via vacuum port                                             |
| Vacuum connection                           | M6                                                          |
| Colour                                      | Black                                                       |
| Shore hardness                              | 50 +/- 5                                                    |
| Material screwed plug                       | Nickel-plated brass<br>Steel, galvanised and chrome-plated  |

| Feature              | Value          |
|----------------------|----------------|
| Note on materials    | RoHS-compliant |
| Material suction cup | NBR            |