

# Suction cup complete

## ESS-20-EN

Part number: 189338

FESTO

easily interchangeable,



## Data sheet

| Feature                                       | Value   |
|---|---|
| Min. workpiece radius                         | 30 mm   |
| Nominal size                                  | 3 mm  |
| suction cup diameter                          | 20 mm   |
| suction cup volume                            | 0.84 cm <sup>3</sup>                                      |
| Position of connection                        | on top  |
| Assembly position                             | Any   |
| Correlation to suction-cup holder             | Size 4  |
| Suction cup shape                             | Round, extra deep   |
| Operating pressure MPa                        | -95 ... 0 kPa   |
| Working pressure                              | -0.95 ... 0 bar   |
| Operating pressure                            | -13.775 ... 0 psi   |
| Nominal operating pressure                    | -70 kPa   |
| Nominal working pressure                      | -0.7 bar  |
| Nominal operating pressure (psi)              | -10.15 psi  |
| Operating medium                              | Atmospheric air based on ISO 8573-1:2010 [7::-]           |
| Corrosion resistance classification CRC       | 1 - Low corrosion stress                                  |
| PWIS conformity                               | VDMA24364-A1-L  |
| Food-safe                                     | See Supplementary material information                    |
| Ambient temperature                           | -10 ... 70 °C   |
| Retention force at nominal operating pressure | 17 N  |
| Lateral force at nominal operating pressure   | 14 N  |
| Product weight                                | 6.4 g   |
| Mounting type                                 | Via vacuum port   |
| Vacuum connection                             | M6  |
| Color   | Black   |
| Shore hardness                                | 60 +/- 5  |
| Material of threaded plug                     | Nickel-plated brass<br>Galvanised and chrome-plated steel |
| Materials note                                | Conforms to RoHS  |
| Material suction cup                          | NBR   |