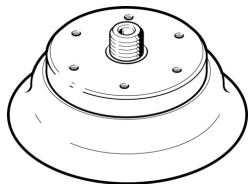


# Suction cup complete ESS-80-EN

Part number: 189358

**FESTO**



## Data sheet

| Feature                                     | Value                                                             |
|---------------------------------------------|-------------------------------------------------------------------|
| Min. workpiece radius                       | 160 mm                                                            |
| Nominal size                                | 6 mm                                                              |
| Suction cup diameter                        | 80 mm                                                             |
| Suction cup volume                          | 51.61 cm <sup>3</sup>                                             |
| Position of connection                      | Top                                                               |
| Mounting position                           | optional                                                          |
| Correlation to suction-cup holder           | Size 5                                                            |
| Suction cup shape                           | Round extra deep                                                  |
| 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 | 275 N                                                             |
| Lateral force at nominal operating pressure | 216 N                                                             |
| Product weight                              | 141 g                                                             |
| Type of mounting                            | Via vacuum port                                                   |
| Vacuum connection                           | M10                                                               |
| Colour                                      | Black                                                             |
| Shore hardness                              | 60 +/- 5                                                          |
| Material screwed plug                       | POM<br>Nickel-plated steel<br>Steel, galvanised and chrome-plated |
| Note on materials                           | RoHS-compliant                                                    |
| Material suction cup                        | NBR                                                               |