

Art.-Nr.: 10.01.06.04193

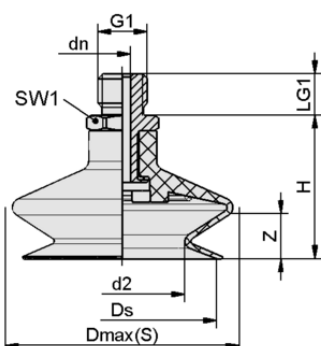


FSGA 11 SI-MD-55 M5-AG

Suction cup FSGA (elastomer part + connection nipple) is delivered unassembled (diameters of 33 mm and more are assembled). The delivery consists of:

- Suction cup of type FGA – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FGA, connection nipple SA-NIP



Design data FSGA 11 SI-MD-55 M5-AG

## Technical data

| Attribute                   | Value                        |
|-----------------------------|------------------------------|
| Suction cup material        | Silicone SI metal detectable |
| Material hardness [Shore A] | 55.0 Shore A                 |
| Size                        | 11.00                        |
| Number of folds             | 1.5                          |
| Connection                  | M5-M                         |
| Vacuum connection           | M5-M                         |
| Nipple material             | Aluminum                     |
| Material characteristics    | FDA-compatible               |

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 21.00 mm |
| Nominal diameter dn | 2.50 mm  |
| d2                  | 5.1 mm   |
| Thread G1           | M5-M     |
| Thread length LG1   | 5.0 mm   |
| Key width SW1       | 7.0 mm   |
| Spring stroke Z     | 4.0 mm   |
| Diameter Ds         | 10.4 mm  |
| Diameter Dmax(S)    | 13.0 mm  |

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3



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**Technical data**

| Attribute                      | Value                        |
|--------------------------------|------------------------------|
| Suction cup material           | Silicone SI metal detectable |
| Material hardness [Shore A]    | 55.0 Shore A                 |
| Hose inner diameter (recom.) d | 2.0 mm                       |
| Workpiece radius min. (convex) | 10.0 mm                      |
| Pull-off force                 | 3.80 N                       |
| Suction force (-600mbar)       | 0.95 N                       |
| Weight                         | 2.0 g                        |
| Volume                         | 0.225 cm <sup>3</sup>        |
| Size                           | 11.00                        |
| Number of folds                | 1.5                          |
| Product family                 | FSGA                         |
| Connection                     | M5-AG                        |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even workpiece surface - they do not include a safety factor Pull-off force: The pull-off force of the versions made of natural rubber is reduced by about 40% Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.04193](http://www.schmalz.com/10.01.06.04193)

**Ordering Data Accessories 10.01.06.04193**

| Typ                     | Item number    |
|-------------------------|----------------|
| Schmalz Pad Insert PEEK | 10.01.06.03281 |
| SPI 11 PEEK             |                |

**Ordering Data Spare Parts 10.01.06.04193**

| Typ                               | Item number    |
|-----------------------------------|----------------|
| Suction cup connection nipple     | 10.01.06.00123 |
| Bellows suction cup SI-MD (round) | 10.01.06.04151 |
| SA-NIP N016 M5-AG DN250           |                |
| FGA 11 SI-MD-55 N016              |                |

