

## Bellows suction cups SI-MD (round)

FSGA 11 SI-MD-55 G1/8-AG

Part no.: 10.01.06.04194

<https://www.schmalz.co.jp/10.01.06.04194>

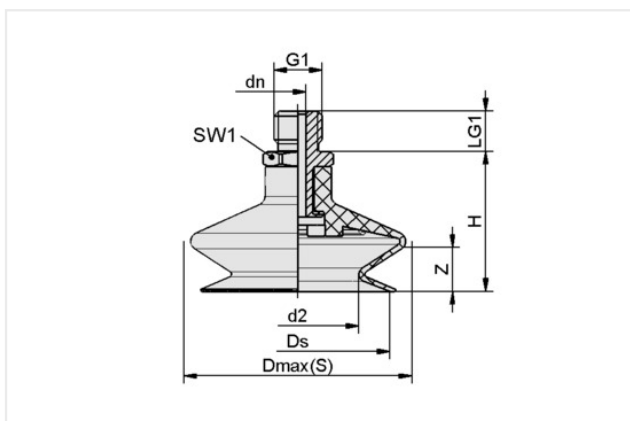
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### Bellows suction cup (round) with optimal adaptation to uneven surfaces



|                                                    |
|----------------------------------------------------|
| Size: 11                                           |
| Suction cup material: Silicone SI metal detectable |
| Material hardness [Shore A]: 55 Shore A            |
| Material characteristics: FDA-compatible           |
| Nipple material: Aluminum                          |
| Connection: G1/8"-M                                |
| Number of folds: 1.5                               |
| Vacuum connection: G1/8"-M                         |

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 5.10 mm  |
| Dmax (S)   | 13 mm    |
| dn         | 3.50 mm  |
| Ds         | 10.40 mm |
| G1         | G1/8"-M  |
| H          | 22 mm    |
| LG1        | 7.50 mm  |
| SW1        | 14 mm    |
| Z (Stroke) | 4 mm     |

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

### Technical Data

| Attribute                   | Value                        |
|-----------------------------|------------------------------|
| Suction cup material        | Silicone SI metal detectable |
| Material hardness [Shore A] | 55 Shore A                   |
| Size                        | 11                           |
| Number of folds             | 1.50                         |
| Connection                  | G1/8-AG                      |
| Curve radius (min) (convex) | 10 mm                        |
| Volume                      | 0.23 cm <sup>3</sup>         |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.95 N |
| Pull-off force           | 3.80 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 4.70 g |
| Product family           | FSGA   |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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

### Accessories



SPI 11 PEEK

Part no.: 10.01.06.03281

Size: 11

Material: Polyetheretherketon

### Spare parts



SA-NIP N016 G1/8-AG DN350

Part no.: 10.01.06.05735

Nipple family: N 016

Thread G1: G1/8"-M

Length L1: 20 mm

Fitting length: 6 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum

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FGA 11 SI-MD-55 N016

Part no.: 10.01.06.04151

Size: 11

Suction cup material: Silicone SI metal detectable

Material hardness [Shore A]: 55 Shore A

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