

## Bellows suction cups SI-HD (round)

FSGA 11 SI-HD-65 M5-AG

Part no.:10.01.06.04176

<https://www.schmalz.com/10.01.06.04176>

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



Size: 11

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

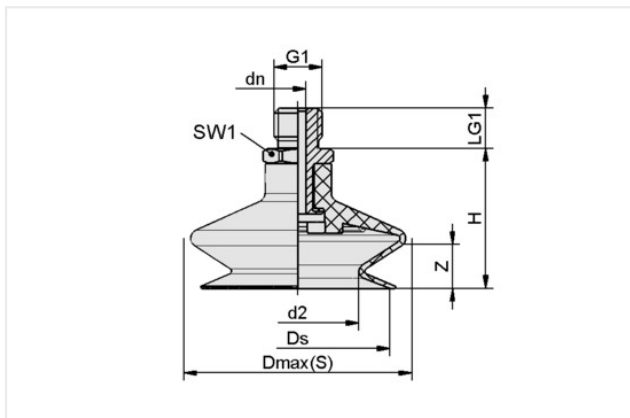
Nipple material: Aluminum

Connection: M5-M

Number of folds: 1.5

Vacuum connection: M5-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 5.10 mm  |
| Dmax(S)    | 13 mm    |
| dn         | 2.50 mm  |
| Ds         | 10.40 mm |
| G1         | M5-M     |
| H          | 21 mm    |
| LG1        | 5 mm     |
| SW1        | 7 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-HD       |
| Material hardness [Shore A] | 65 Shore A           |
| Size                        | 11                   |
| Number of folds             | 1.50                 |
| Connection                  | M5-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   | 2 mm   |
| Weight                   | 2 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 M5-AG DN250

Part no.:10.01.06.00123

Nipple family: N 016

Thread G1: M5-M

Length L1: 16 mm

Fitting length: 5 mm

Nominal diameter dn: 2.5 mm

Material: Aluminum

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### FGA 11 SI-HD-65 N016

Part no.:10.01.06.03986

Size: 11

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

Number of folds: 1.5

### Contact Schmalz

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