

## Bellows suction cups (round)

FSG 7 SI-55 G1/8-IG

Part no.: 10.01.06.00010

<https://www.schmalz.co.jp/10.01.06.00010>

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### Bellows suction cup (round) for very uneven workpieces



Size: 7

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

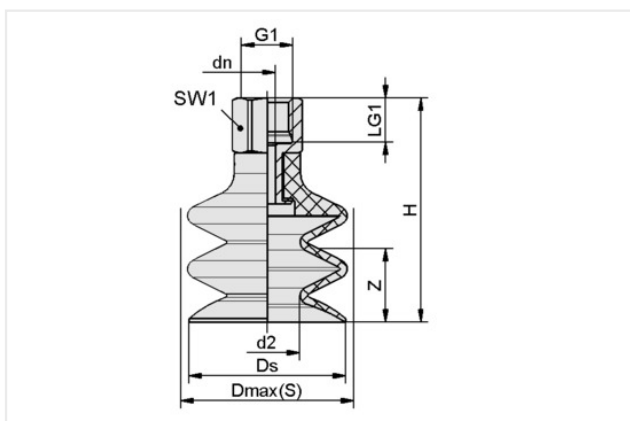
Nipple material: Aluminum

Connection: G1/8"-F

Number of folds: 2.5

Vacuum connection: G1/8"-F

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 1.80 mm |
| dn         | 3.50 mm |
| Dmax (S)   | 7 mm    |
| Ds         | 5.90 mm |
| G1         | G1/8"-F |
| H          | 26 mm   |
| LG1        | 8.50 mm |
| SW1        | 14 mm   |
| Z (Stroke) | 3 mm    |

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

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Silicone SI          |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 7                    |
| Number of folds             | 2.50                 |
| Connection                  | G1/8-IG              |
| Curve radius (min) (convex) | 7.50 mm              |
| Volume                      | 0.04 cm <sup>3</sup> |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.15 N |
| Pull-off force           | 0.90 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 4.70 g |
| Product family           | FSG    |

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

### Spare parts



#### SA-NIP N016 G1/8-IG DN350

Part no.: 10.01.06.05731

Nipple family: N 016

Thread G1: G1/8"-F

Length L1: 18.5 mm

Fitting length: 12 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum



#### FG 7 SI-55 N016

Part no.: 10.01.06.00055

Size: 7

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5