

## Bellows suction cups SI-HD (round)

FSG 14 SI-HD-65 G1/8-IG

Part no.:10.01.06.04165

<https://www.schmalz.ru/10.01.06.04165>

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



Size: 14

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

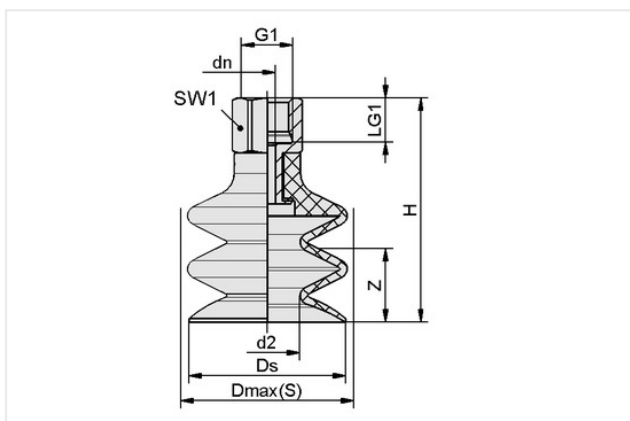
Nipple material: Aluminum

Connection: G1/8"-F

Number of folds: 2.5

Vacuum connection: G1/8"-F

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 5.40 mm  |
| dn         | 3.50 mm  |
| Dmax(S)    | 15.50 mm |
| Ds         | 14.50 mm |
| G1         | G1/8"-F  |
| H          | 34.80 mm |
| LG1        | 8.50 mm  |
| SW1        | 14 mm    |
| Z (Stroke) | 9 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                        | 14                   |
| Number of folds             | 2.50                 |
| Connection                  | G1/8-IG              |
| Curve radius (min) (convex) | 15 mm                |
| Volume                      | 0.80 cm <sup>3</sup> |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 1.37 N |
| Pull-off force           | 5.70 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 5.70 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 14 SI-HD-65 N016

Part no.:10.01.06.04055

Size: 14

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A