

## Bellows suction cups (round)

FSG 14 HT1-60 G1/8-IG

Part no.: 10.01.06.00982

<https://www.schmalz.co.jp/10.01.06.00982>

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



Size: 14

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

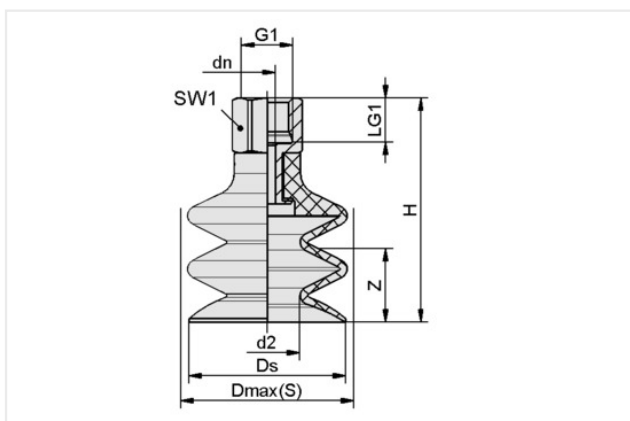
Nipple material: Aluminum

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        | High temperature material HT1 |
| Material hardness [Shore A] | 60 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

### Accessories



**SPI 14 PEEK**

Part no.: 10.01.06.03282

Size: 14

Material: Polyetheretherketon

### 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

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FG 14 HT1-60 N016

Part no.: 10.01.06.00880

Size: 14

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

Number of folds: 2.5

### Contact Schmalz

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