

## Bellows suction cups (round)

FSG 14 HT1-60 M5-AG

Part no.:10.01.06.00967

<https://www.schmalz.com/10.01.06.00967>

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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: M5-M

Number of folds: 2,5

Vacuum connection: M5-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 5,40 mm  |
| dn         | 2,50 mm  |
| Dmax(S)    | 15,50 mm |
| Ds         | 14,50 mm |
| G1         | M5-M     |
| H          | 27,80 mm |
| LG1        | 5 mm     |
| SW1        | 7 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                  | M5-AG                         |
| 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   | 2 mm   |
| Weight                   | 2,60 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 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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### 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