

## Bellows suction cups (round)

FSG 3 HT1-60 M3-AG

Part no.:10.01.06.03711

<https://www.schmalz.com/10.01.06.03711>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 3 HT1-60 M3-AG

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



Size: 3

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

Nipple material: Aluminum

Connection: M3-M

Number of folds: 2.5

Vacuum connection: M3-M

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 1.80 mm |
| dn         | 1 mm    |
| Dmax(S)    | 4 mm    |
| Ds         | 3 mm    |
| G1         | M3-M    |
| H          | 8.70 mm |
| LG1        | 3 mm    |
| SW1        | 5 mm    |
| Z (Stroke) | 1.10 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                        | 3                             |
| Number of folds             | 2.50                          |
| Connection                  | M3-AG                         |
| Curve radius (min) (convex) | 4 mm                          |
| Volume                      | 0.02 cm <sup>3</sup>          |

### Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Bellows suction cups (round)

FSG 3 HT1-60 M3-AG

Part no.:10.01.06.03711

<https://www.schmalz.com/10.01.06.03711>

|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.15 N |
| Pull-off force           | 0.40 N |
| Hose diameter (rec.) d   | 2 mm   |
| Weight                   | 0.30 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 N055 M3-AG DN100

Part no.:10.01.01.00313

Thread G1: M3-M

Fitting length: 2 mm

Material: Aluminum



#### FG 3 HT1-60 N055

Part no.:10.01.06.03639

Size: 3

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

Number of folds: 2.5

### Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)