

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.01238>



## FSG 12 HT1-60 G1/8-AG

Part no.: 10.01.06.01238

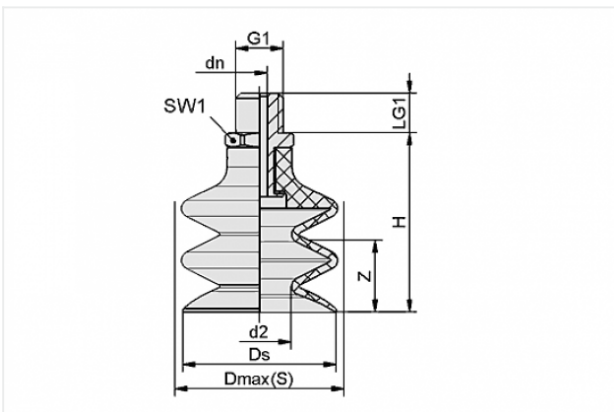
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 12 HT1-60 G1/8-AG

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



Size: 12  
Suction cup material:  
High temp material HT1  
Material hardness: 60 °Sh  
Material property: imprint-free  
Nipple material: Aluminium  
Vacuum connection: G1/8-M  
Number of folds: 2.5

### Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

|         |         |
|---------|---------|
| d2      | 5 mm    |
| dn      | 3.5 mm  |
| Dmax(S) | 13 mm   |
| Ds      | 12 mm   |
| G1      | G1/8"-M |
| H       | 27 mm   |
| LG1     | 7.5 mm  |
| SW1     | 14 mm   |
| Z       | 7 mm    |

### Contact to Schmalz

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

## Technical Data

| Attribute                       | Value                  |
|---------------------------------|------------------------|
| Suction force                   | 1.18 N                 |
| Pull-off force                  | 3.5 N                  |
| Volume                          | 0.747 cm <sup>3</sup>  |
| Curve radius (min) (convex)     | 12.5 mm                |
| Internal hose diameter (recom.) | 4 mm                   |
| Size                            | 12                     |
| Number of folds                 | 2.5                    |
| Suction cup material            | High temp material HT1 |
| Material hardness               | 60 °Sh                 |
| Weight                          | 4.9 g                  |
| Product family                  | FSG                    |

### Note:

- Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry 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

### Contact to Schmalz



**SA-NIP N016 G1/8-AG DN350**

Part no. 10.01.06.05735

Suction cup connection nipple

Nipple: N 016

Thread G1: G1/8-M

Overall length: 20 mm

Fitting length: 6 mm

Nominal size: 3,50 mm

Material: Aluminium



**FG 12 HT1-60 N016**

Part no. 10.01.06.01252

Bellows suction cup (round) for very uneven workpieces

Size: 12

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 2.5

Material property: imprint-free

## Accessories



**SPI 14 PEEK**

Part no. 10.01.06.03282

Insert disc for preventing film from being drawn in

Size: 14

Material: Polyetheretherketon

Application: FG12/FG14/FGA14