

## Bell suction cup (round) FSGA 25 SI-55 G1/8-AG

Part no.:10.01.06.00402

<https://www.schmalz.com/10.01.06.00402>



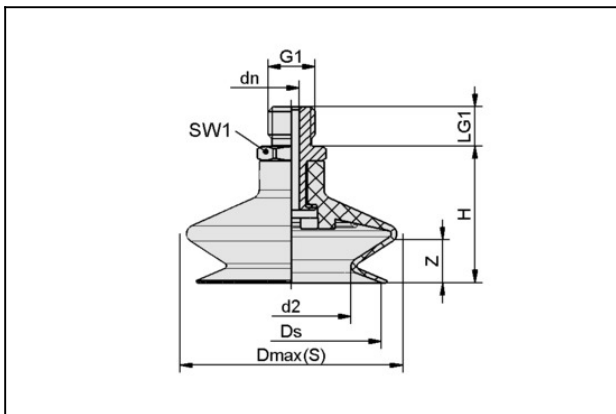
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 25 SI-55 G1/8-AG

### Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 25  
Number of folds: 1.5  
Suction cup material: Silicone SI  
Material hardness: 55 °Sh  
Material characteristics:  
FDA-compatible  
Nipple material: Aluminium  
Vacuum connection: G1/8"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 9.9 mm   |
| Dmax(S)    | 26.5 mm  |
| dn         | 3.5 mm   |
| Ds         | 22.5 mm  |
| G1         | G1/8"-AG |
| H          | 29 mm    |
| LG1        | 7.5 mm   |
| SW1        | 14 mm    |
| Z (Stroke) | 9 mm     |

### Technical Data

[Contact to Schmalz](#)

Schmalz Sp.z.o.o. | Kobaltowa 4, 62-002 Złotniki, Polen | +48 22 460 49 70 | [schmalz@schmalz.pl](mailto:schmalz@schmalz.pl)

Page 1 of 3

## Bell suction cup (round)

### FSGA 25 SI-55 G1/8-AG

Part no.:10.01.06.00402

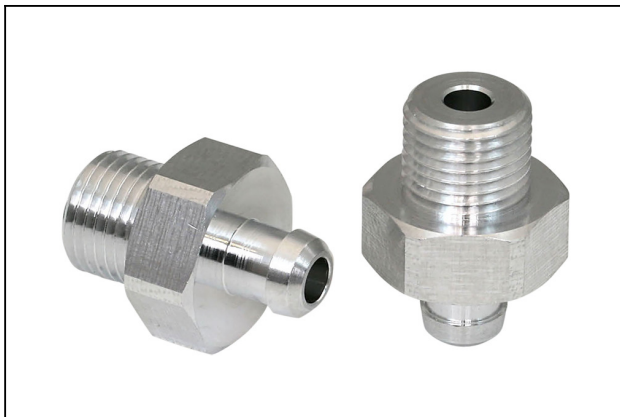
<https://www.schmalz.com/10.01.06.00402>



| Attribute                   | Value                 |
|-----------------------------|-----------------------|
| Suction cup material        | Silicone SI           |
| Material hardness [Shore A] | 55 Shore A            |
| Size                        | 25                    |
| Number of folds             | 1.5                   |
| Connection                  | G1/8-AG               |
| Curve radius (min) (convex) | 25 mm                 |
| Volume                      | 2.944 cm <sup>3</sup> |
| Suction force (-600mbar)    | 5.3 N                 |
| Pull-off force              | 17.3 N                |
| Hose diameter (empf.) d     | 4 mm                  |
| Weight                      | 6.4 g                 |
| Product family              | FSGA                  |

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



### 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

## Bell suction cup (round)

FSGA 25 SI-55 G1/8-AG

Part no.:10.01.06.00402

<https://www.schmalz.com/10.01.06.00402>



### FGA 25 SI-55 N016

Part no.10.01.06.00377

Bellows suction cup (round) with optimal adaptation to uneven surfaces

Size: 25

Suction cup material: Silicone SI

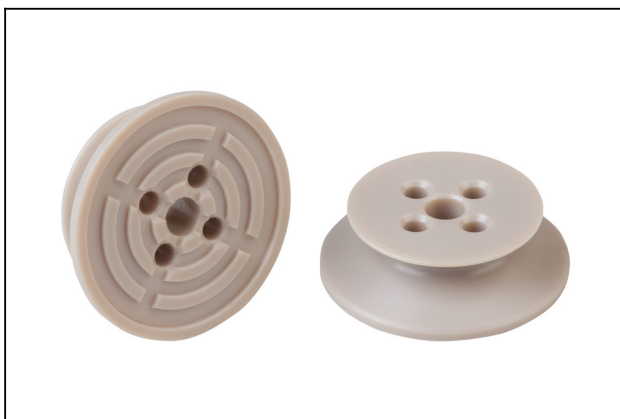
Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5

## Accessories



### SPI 25 PEEK

Part no.10.01.06.03286

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 25

Material: Polyetheretherketon