

## Bell suction cup (round)

### FSGA 43 SI-55 G1/4-AG

Part no.:10.01.06.00092

<https://www.schmalz.com/10.01.06.00092>



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Suction Cups FSGA (1.5 Folds) > FSGA 43 SI-55 G1/4-AG

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



Size: 43

Number of folds: 1.5

Suction cup material: Silicone SI

Material hardness: 55 °Sh

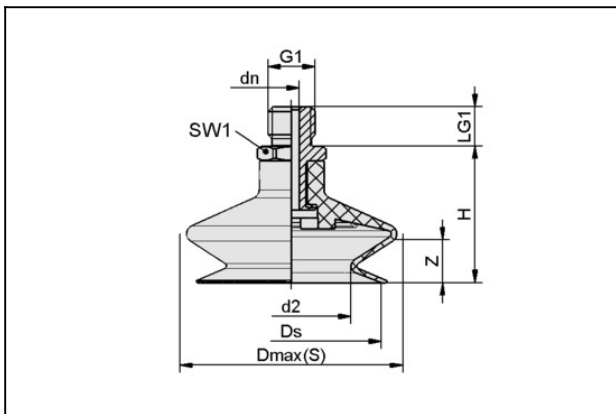
Material characteristics:

FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/4"-M

## Design Data



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

|    |         |
|----|---------|
| d2 | 21.9 mm |
|----|---------|

|         |         |
|---------|---------|
| Dmax(S) | 47.5 mm |
|---------|---------|

|    |        |
|----|--------|
| dn | 4.4 mm |
|----|--------|

|    |       |
|----|-------|
| Ds | 38 mm |
|----|-------|

|    |          |
|----|----------|
| G1 | G1/4"-AG |
|----|----------|

|   |         |
|---|---------|
| H | 31.6 mm |
|---|---------|

|     |       |
|-----|-------|
| LG1 | 11 mm |
|-----|-------|

|     |       |
|-----|-------|
| SW1 | 17 mm |
|-----|-------|

|            |       |
|------------|-------|
| Z (Stroke) | 10 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)

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| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Silicone SI          |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 43                   |
| Number of folds             | 1.5                  |
| Connection                  | G1/4-AG              |
| Curve radius (min) (convex) | 60 mm                |
| Volume                      | 9.25 cm <sup>3</sup> |
| Suction force (-600mbar)    | 22.8 N               |
| Pull-off force              | 64.5 N               |
| Hose diameter (empf.) d     | 6 mm                 |
| Weight                      | 19 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 N018 G1/4-AG DN440

Part no.10.01.06.01065

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4"-M

Overall length: 28.8 mm

Fitting length: 4 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm

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### **FSA 43 SI-55 N018**

Part no.10.01.06.00127

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Size: 43

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5