

## Bellows suction cups (round)

FSGA 33 SI-55 G1/4-IG

Part no.:10.01.06.00071

<https://www.schmalz.com/10.01.06.00071>

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



Size: 33

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Nipple material: Aluminum

Connection: G1/4"-F

Number of folds: 1.5

Vacuum connection: G1/4"-F

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 17 mm   |
| Dmax(S)    | 38 mm   |
| dn         | 4.40 mm |
| Ds         | 30 mm   |
| G1         | G1/4"-F |
| H          | 42 mm   |
| LG1        | 12 mm   |
| SW1        | 17 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        | Silicone SI          |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 33                   |
| Number of folds             | 1.50                 |
| Connection                  | G1/4-IG              |
| Curve radius (min) (convex) | 40 mm                |
| Volume                      | 4.75 cm <sup>3</sup> |

### Contact Schmalz

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|                          |         |
|--------------------------|---------|
| Suction force (-600mbar) | 13.60 N |
| Pull-off force           | 39.60 N |
| Hose diameter (rec.) d   | 6 mm    |
| Weight                   | 16 g    |
| Product family           | FSGA    |

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 32 PEEK

Part no.:10.01.06.03287

Size: 32

Material: Polyetheretherketon

### Spare parts



#### SA-NIP N018 G1/4-IG DN440

Part no.:10.01.06.01066

Nipple family: N 018

Thread G1: G1/4"-F

Length L1: 28.8 mm

Fitting length: 15 mm

Nominal diameter dn: 4.4 mm

Spanner size SW2: 5 mm

Material: Aluminum

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### FGA 33 SI-55 N018

Part no...:10.01.06.00126

Size: 33

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 1.5

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