

## Bellows suction cups (round)

FSGA 16 NBR-55 G1/8-AG

Part no...:10.01.06.00077

<https://www.schmalz.ru/10.01.06.00077>

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



Size: 16

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 1.5

Vacuum connection: G1/8"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 8.40 mm  |
| Dmax(S)    | 18.50 mm |
| dn         | 3.50 mm  |
| Ds         | 15.60 mm |
| G1         | G1/8"-M  |
| H          | 25.20 mm |
| LG1        | 7.50 mm  |
| SW1        | 14 mm    |
| Z (Stroke) | 7 mm     |

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Nitrile rubber NBR   |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 16                   |
| Number of folds             | 1.50                 |
| Connection                  | G1/8-AG              |
| Curve radius (min) (convex) | 20 mm                |
| Volume                      | 0.75 cm <sup>3</sup> |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 2.30 N |
| Pull-off force           | 6.70 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 5 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 14 PEEK

Part no.:10.01.06.03282

Size: 14

Material: Polyetheretherketon

### Spare parts



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

Part no.:10.01.06.05735

Nipple family: N 016

Thread G1: G1/8"-M

Length L1: 20 mm

Fitting length: 6 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum

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### FGA 16 NBR-55 N016

Part no...:10.01.06.00096

Size: 16

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Number of folds: 1.5