

## Bellows suction cups (round)

FSGA 22 NK-45 G1/8-AG

Part no.:10.01.06.00414

<https://www.schmalz.ru/10.01.06.00414>

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



Size: 22

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 1.5

Vacuum connection: G1/8"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 11.70 mm |
| Dmax(S)    | 25 mm    |
| dn         | 3.50 mm  |
| Ds         | 21.50 mm |
| G1         | G1/8"-M  |
| H          | 25 mm    |
| LG1        | 7.50 mm  |
| SW1        | 14 mm    |
| Z (Stroke) | 6 mm     |

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

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Natural Rubber NK    |
| Material hardness [Shore A] | 45 Shore A           |
| Size                        | 22                   |
| Number of folds             | 1.50                 |
| Connection                  | G1/8-AG              |
| Curve radius (min) (convex) | 25 mm                |
| Volume                      | 1.40 cm <sup>3</sup> |

### Contact Schmalz

OOO Schmalz | Mozhayskoe highway 165, bldg1, 121596 Moscow, Russia | +7 495 9671248 | [post@ruschmalz.ru](mailto:post@ruschmalz.ru)

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|                          |         |
|--------------------------|---------|
| Suction force (-600mbar) | 5.70 N  |
| Pull-off force           | 15.20 N |
| Hose diameter (rec.) d   | 4 mm    |
| Weight                   | 5.80 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

### 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



#### FGA 22 NK-45 N016

Part no.:10.01.06.00425

Size: 22

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Number of folds: 1.5