

## Bellows suction cups (round)

FSGA 20 NK-45 M5-AG

Part no.:10.01.06.00394

<https://www.schmalz.com/10.01.06.00394>

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



Size: 20

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: M5-M

Number of folds: 1.5

Vacuum connection: M5-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 11 mm    |
| Dmax(S)    | 21 mm    |
| dn         | 2.50 mm  |
| Ds         | 18.10 mm |
| G1         | M5-M     |
| H          | 20.20 mm |
| LG1        | 5 mm     |
| SW1        | 7 mm     |
| Z (Stroke) | 5 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                        | 20                   |
| Number of folds             | 1.50                 |
| Connection                  | M5-AG                |
| Curve radius (min) (convex) | 20 mm                |
| Volume                      | 1.15 cm <sup>3</sup> |

### Contact Schmalz

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|                          |         |
|--------------------------|---------|
| Suction force (-600mbar) | 4.70 N  |
| Pull-off force           | 10.70 N |
| Hose diameter (rec.) d   | 2 mm    |
| Weight                   | 2.70 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 M5-AG DN250

Part no.:10.01.06.00123

Nipple family: N 016

Thread G1: M5-M

Length L1: 16 mm

Fitting length: 5 mm

Nominal diameter dn: 2.5 mm

Material: Aluminum



#### FGA 20 NK-45 N016

Part no.:10.01.06.00375

Size: 20

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Number of folds: 1.5