

Art.-Nr.: 10.01.06.00443

**Technical data**

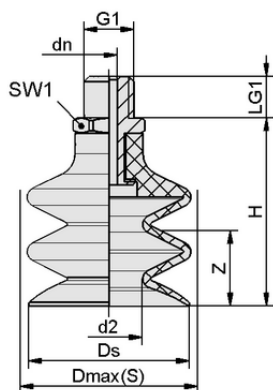
| Attribute                   | Value             |
|-----------------------------|-------------------|
| Suction cup material        | Natural rubber NK |
| Material hardness [Shore A] | 45.0 Shore A      |
| Size                        | 25.00             |
| Number of folds             | 2.5               |
| Connection                  | G1/8"-M           |
| Vacuum connection           | G1/8"-M           |
| Nipple material             | Aluminum          |

FSG 25 NK-45 G1/8-AG

Suction cup FSG (elastomer part + connection nipple) is delivered unassembled. The delivery consists of:

- Suction cup of type FG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FG, connection nipple SA-NIP

**Design data**

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 40.00 mm |
| Nominal diameter dn | 3.50 mm  |
| d2                  | 10.0 mm  |
| Thread G1           | G1/8"-M  |
| Thread length LG1   | 7.5 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 18.0 mm  |
| Diameter Ds         | 23.0 mm  |
| Diameter Dmax(S)    | 26.0 mm  |

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

Design data FSG 25 NK-45 G1/8-AG

Bellows suction cups (round)

## FSG 25 NK-45 G1/8-AG



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### Technical data

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Natural rubber NK     |
| Material hardness [Shore A]    | 45.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Workpiece radius min. (convex) | 30.0 mm               |
| Pull-off force                 | 19.00 N               |
| Suction force (-600mbar)       | 4.71 N                |
| Weight                         | 8.0 g                 |
| Volume                         | 5.222 cm <sup>3</sup> |
| Size                           | 25.00                 |
| Number of folds                | 2.5                   |
| Product family                 | FSG                   |
| Connection                     | G1/8-AG               |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even 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



### Further documentation

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.00443](http://www.schmalz.com/10.01.06.00443)



### Ordering Data Accessories 10.01.06.00443

| Typ                     |                        | Item number    |
|-------------------------|------------------------|----------------|
| Sealing ring            | DR 22.5/13x2 MOS SI-15 | 10.01.06.02614 |
| Filter disc             | FD 18 120              | 10.01.06.02567 |
| Schmalz Pad Insert PEEK | SPI 25 PEEK            | 10.01.06.03286 |



### Ordering Data Spare Parts 10.01.06.00443

| Typ                           |                           | Item number    |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N016 G1/8-AG DN350 | 10.01.06.05735 |



### Ordering Data Wear Parts 10.01.06.00443

| Typ                         |                  | Item number    |
|-----------------------------|------------------|----------------|
| Bellows suction cup (round) | FG 25 NK-45 N016 | 10.01.06.00456 |



[WWW.SCHMALZ.COM/10.01.06.00443](http://WWW.SCHMALZ.COM/10.01.06.00443)