

Bellows suction cups (round)

# FSG 32 NK-45 G1/4-IG



Art.-Nr.: 10.01.06.00444



## Technical data

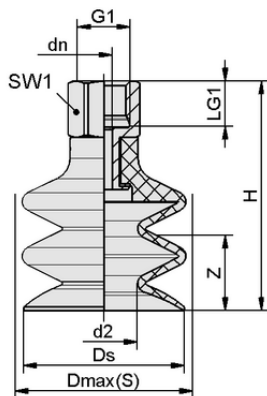
| Attribute                   | Value             |
|-----------------------------|-------------------|
| Suction cup material        | Natural rubber NK |
| Material hardness [Shore A] | 45.0 Shore A      |
| Size                        | 32.00             |
| Number of folds             | 2.5               |
| Connection                  | G1/4"-F           |
| Vacuum connection           | G1/4"-F           |
| Nipple material             | Aluminum          |

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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            | 52.50 mm |
| Nominal diameter dn | 4.40 mm  |
| d2                  | 16.0 mm  |
| Thread G1           | G1/4"-F  |
| Thread length LG1   | 12.0 mm  |
| Key width SW1       | 17.0 mm  |
| Spring stroke Z     | 15.0 mm  |
| Diameter Ds         | 32.0 mm  |
| Diameter Dmax(S)    | 33.5 mm  |

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

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[WWW.SCHMALZ.COM/10.01.06.00444](http://WWW.SCHMALZ.COM/10.01.06.00444)

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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) | 35.0 mm                |
| Pull-off force                 | 36.90 N                |
| Suction force (-600mbar)       | 12.06 N                |
| Weight                         | 18.0 g                 |
| Volume                         | 10.000 cm <sup>3</sup> |
| Size                           | 32.00                  |
| Number of folds                | 2.5                    |
| Product family                 | FSG                    |
| Connection                     | G1/4-IG                |

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/10.01.06.00444](http://www.schmalz.com/10.01.06.00444)



## Ordering Data Accessories 10.01.06.00444

| Typ                     |                      | Item number    |
|-------------------------|----------------------|----------------|
| Sealing ring            | DR 32/19x2 MOS SI-15 | 10.01.06.02615 |
| Filter disc             | FD 27 120            | 10.01.06.02571 |
| Schmalz Pad Insert PEEK | SPI 32 PEEK          | 10.01.06.03287 |
| Suction cup cover       | SU 30                | 10.01.01.12889 |



## Ordering Data Spare Parts 10.01.06.00444

| Typ                           |                           | Item number    |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N018 G1/4-IG DN440 | 10.01.06.01066 |



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**Ordering Data Wear Parts 10.01.06.00444**

| Typ                         |                  | Item number    |
|-----------------------------|------------------|----------------|
| Bellows suction cup (round) | FG 32 NK-45 N018 | 10.01.06.00457 |



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