

Art.-Nr.: 10.01.06.00022



FSG 9 NBR-55 G1/8-AG

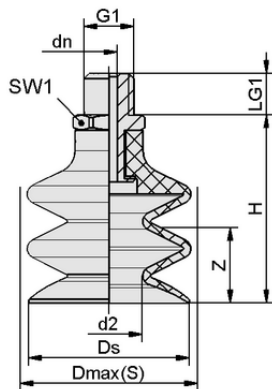
**Technical data**

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 55.0 Shore A       |
| Size                        | 9.00               |
| Number of folds             | 2.5                |
| Connection                  | G1/8"-M            |
| Vacuum connection           | G1/8"-M            |
| Nipple material             | Aluminum           |

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 FSG 9 NBR-55 G1/8-AG

**Design data**

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 21.00 mm |
| Nominal diameter dn | 3.50 mm  |
| d2                  | 4.1 mm   |
| Thread G1           | G1/8"-M  |
| Thread length LG1   | 7.5 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 3.0 mm   |
| Diameter Ds         | 9.0 mm   |
| Diameter Dmax(S)    | 9.5 mm   |

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



Bellows suction cups (round)  
**FSG 9 NBR-55 G1/8-AG**



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### Technical data

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Nitrile rubber NBR    |
| Material hardness [Shore A]    | 55.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Workpiece radius min. (convex) | 10.0 mm               |
| Pull-off force                 | 2.30 N                |
| Suction force (-600mbar)       | 0.79 N                |
| Weight                         | 4.5 g                 |
| Volume                         | 0.150 cm <sup>3</sup> |
| Size                           | 9.00                  |
| 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/10.01.06.00022](http://www.schmalz.com/10.01.06.00022)



### Ordering Data Accessories 10.01.06.00022

| Typ                     | Item number                  |
|-------------------------|------------------------------|
| Schmalz Pad Insert PEEK | SPI 9 PEEK<br>10.01.06.03280 |



### Ordering Data Spare Parts 10.01.06.00022

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



### Ordering Data Wear Parts 10.01.06.00022

| Typ                         | Item number                        |
|-----------------------------|------------------------------------|
| Bellows suction cup (round) | FG 9 NBR-55 N016<br>10.01.06.00051 |



[WWW.SCHMALZ.COM/10.01.06.00022](http://WWW.SCHMALZ.COM/10.01.06.00022)