

Flat suction cup (round)

# PFG 3.5 SI-55 N003

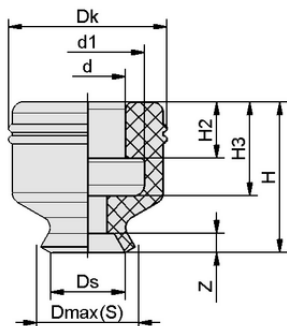
Art.-Nr.: 10.01.01.00024



PFG 3.5 SI-55 N003

## Technical data

| Attribute                   | Value          |
|-----------------------------|----------------|
| Suction cup material        | Silicone SI    |
| Material hardness [Shore A] | 55.0 Shore A   |
| Size                        | 3.50           |
| Material characteristics    | FDA-compatible |



Design data PFG 3.5 SI-55 N003

## Design data

| Attribute            | Value   |
|----------------------|---------|
| Height H2            | 1.50 mm |
| Height H             | 4.00 mm |
| Head diameter Dk     | 4.2 mm  |
| Internal diameter d1 | 3.0 mm  |
| Internal diameter d  | 2.00 mm |
| Spring stroke Z      | 0.5 mm  |
| Diameter Ds          | 3.5 mm  |
| Height H3            | 2.50 mm |
| Diameter Dmax(S)     | 4.0 mm  |

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



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### Technical data

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Nipple family                  | N 003                 |
| Suction cup material           | Silicone SI           |
| Material hardness [Shore A]    | 55.0 Shore A          |
| Workpiece radius min. (convex) | 7.5 mm                |
| Suction force (-600mbar)       | 0.42 N                |
| Volume                         | 0.015 cm <sup>3</sup> |
| Size                           | 3.50                  |
| Product family                 | PFG                   |

Note: Suction force: The suction force values are theoretical values at -0.6 bar vacuum and a dry, smooth and even workpiece surface – they are specified without safety factors. Hose inner 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/10.01.01.00024](http://www.schmalz.com/10.01.01.00024)



### Ordering Data Accessories 10.01.01.00024

| Typ                           | Item number                               |
|-------------------------------|-------------------------------------------|
| Suction cup connection nipple | SA-NIP N003 M3-AG DN100<br>10.01.01.00316 |



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