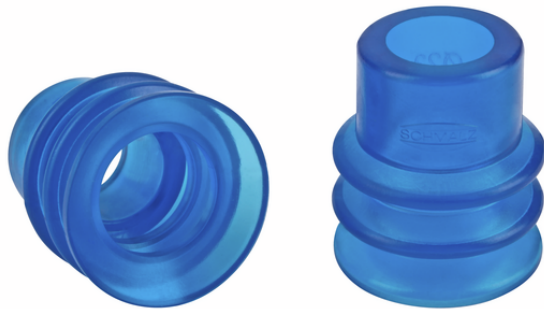




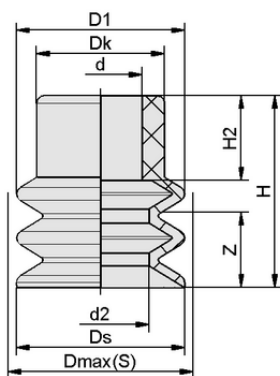
## Technical data

| Attribute                   | Value                  |
|-----------------------------|------------------------|
| Suction cup material        | Polyvinyl chloride PVC |
| Material hardness [Shore A] | 50.0 Shore A           |
| Size                        | 23.00                  |
| Number of folds             | 2.5                    |

FG 23 PVC-50 N057

Suction cup FG PVC (elastomer part + connection element) is delivered assembled. The assembly consists of:

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



## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H2           | 11.30 mm |
| Height H            | 25.50 mm |
| Outside diameter D1 | 22.3 mm  |
| Head diameter Dk    | 17.0 mm  |
| d2                  | 12.9 mm  |
| Internal diameter d | 11.00 mm |
| Spring stroke Z     | 9.5 mm   |
| Diameter Ds         | 22.3 mm  |
| Diameter Dmax(S)    | 25.0 mm  |

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

Design data FG 23 PVC-50 N057

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**Technical data**

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| Nipple family                  | N 057                  |
| Suction cup material           | Polyvinyl chloride PVC |
| Material hardness [Shore A]    | 50.0 Shore A           |
| Hose inner diameter (recom.) d | 4.0 mm                 |
| Workpiece radius min. (convex) | 20.0 mm                |
| Pull-off force                 | 15.00 N                |
| Suction force (-600mbar)       | 6.60 N                 |
| Weight                         | 3.5 g                  |
| Volume                         | 3.864 cm <sup>3</sup>  |
| Size                           | 23.00                  |
| Number of folds                | 2.5                    |
| Product family                 | FG                     |

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/10.01.06.01942](http://www.schmalz.com/10.01.06.01942)

**Ordering Data Accessories 10.01.06.01942**

| Typ                           |                           | Item number    |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N057 G1/8-AG DN510 | 10.01.06.03573 |
| Suction cup connection nipple | SA-NIP N057 G1/8-IG DN510 | 10.01.06.03574 |

