



PFYN 2 HT1-60 M3-AG

## Technical data

| Attribute                   | Value                         |
|-----------------------------|-------------------------------|
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60.0 Shore A                  |
| Size                        | 2.00                          |
| Vacuum connection           | M3-M                          |
| Nipple material             | Aluminum                      |
| Material property           | non-marking                   |

Suction cup PFYN (elastomer part + connection nipple) is delivered unassembled (diameters of 120 mm and more are assembled). The delivery consists of:

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

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



Design data PFYN 2 HT1-60 M3-AG

## Design data

| Attribute           | Value   |
|---------------------|---------|
| Height H            | 6.00 mm |
| Nominal diameter dn | 1.00 mm |
| Thread G1           | M3-M    |
| Thread length LG1   | 3.0 mm  |
| Key width SW1       | 5.0 mm  |
| Spring stroke Z     | 0.5 mm  |
| Diameter Ds         | 2.0 mm  |
| Diameter Dmax(S)    | 2.5 mm  |

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

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**Technical data**

| Attribute                      | Value                         |
|--------------------------------|-------------------------------|
| Suction cup material           | High temperature material HT1 |
| Material hardness [Shore A]    | 60.0 Shore A                  |
| Hose inner diameter (recom.) d | 2.0 mm                        |
| Workpiece radius min. (convex) | 2.0 mm                        |
| Suction force (-600mbar)       | 0.12 N                        |
| Weight                         | 1.0 g                         |
| Volume                         | 0.001 cm <sup>3</sup>         |
| Size                           | 2.00                          |
| Number of folds                | 0.0                           |
| Product family                 | PFYN                          |

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/10.01.01.13000](http://www.schmalz.com/10.01.01.13000)

**Ordering Data Spare Parts 10.01.01.13000**

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

**Ordering Data Wear Parts 10.01.01.13000**

| Typ                      | Item number                         |
|--------------------------|-------------------------------------|
| Flat suction cup (round) | PFG 2 HT1-60 N003<br>10.01.01.12967 |

