



PFYN 50 NBR-55 G1/8-AG

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

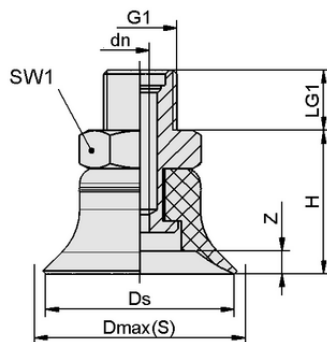
- Suction cup of type PFG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

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

## Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 55.0 Shore A       |
| Size                        | 50.00              |
| Vacuum connection           | G1/8"-M            |
| Nipple material             | Aluminum           |

## Design data



| Attribute           | Value    |
|---------------------|----------|
| Height H            | 20.00 mm |
| Nominal diameter dn | 2.40 mm  |
| Thread G1           | G1/8"-M  |
| Thread length LG1   | 8.0 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 4.0 mm   |
| Diameter Ds         | 50.0 mm  |
| Diameter Dmax(S)    | 53.5 mm  |

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

Design data PFYN 50 NBR-55 G1/8-AG

Art.-Nr.: 10.01.01.00147

**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) | 75.0 mm               |
| Suction force (-600mbar)       | 91.00 N               |
| Weight                         | 15.30 g               |
| Volume                         | 7.000 cm <sup>3</sup> |
| Size                           | 50.00                 |
| 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/10.01.01.00147](http://www.schmalz.com/10.01.01.00147)

**Ordering Data Accessories 10.01.01.00147**

| Typ               | Item number          |
|-------------------|----------------------|
| Suction cup cover | SU 50 10.01.01.12837 |

**Ordering Data Spare Parts 10.01.01.00147**

| Typ                            | Item number                              |
|--------------------------------|------------------------------------------|
| Suction Cup Connection Nipples | SA-NIP N008 G1/8-AG DN350 10.01.01.03532 |

**Ordering Data Wear Parts 10.01.01.00147**

| Typ                      | Item number                       |
|--------------------------|-----------------------------------|
| Flat suction cup (round) | PFG 50 NBR-55 N008 10.01.01.00017 |

