

PFYN 35 SI-55 G1/8-IG

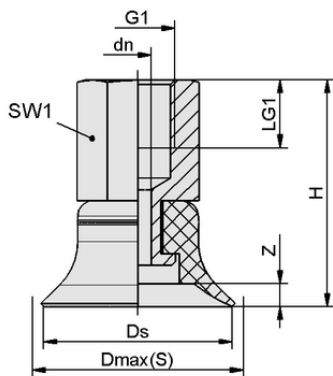
Suction cup PFYN (elastomer part + connection nipple) is delivered unassembled (diameters of 120 mm and more are assembled). The delivery consists of:

- 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        | Silicone SI  |
| Material hardness [Shore A] | 55.0 Shore A |
| Size                        | 35.00        |
| Vacuum connection           | G1/8"-F      |
| Nipple material             | Aluminum     |



Design data PFYN 35 SI-55 G1/8-IG

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 30.00 mm |
| Nominal diameter dn | 3.50 mm  |
| Thread G1           | G1/8"-F  |
| Thread length LG1   | 9.0 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 3.0 mm   |
| Diameter Ds         | 35.0 mm  |
| Diameter Dmax(S)    | 38.0 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           | Silicone SI           |
| Material hardness [Shore A]    | 55.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Workpiece radius min. (convex) | 50.0 mm               |
| Suction force (-600mbar)       | 44.00 N               |
| Weight                         | 11.90 g               |
| Volume                         | 2.700 cm <sup>3</sup> |
| Size                           | 35.00                 |
| 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/10.01.01.00103](http://www.schmalz.com/10.01.01.00103)

**Ordering Data Accessories 10.01.01.00103**

| Typ               | Item number          |
|-------------------|----------------------|
| Suction cup cover | SU 30 10.01.01.12889 |

**Ordering Data Spare Parts 10.01.01.00103**

| Typ                            | Item number                              |
|--------------------------------|------------------------------------------|
| Suction Cup Connection Nipples | SA-NIP N007 G1/8-IG DN350 10.01.01.03523 |

**Ordering Data Wear Parts 10.01.01.00103**

| Typ                      | Item number                      |
|--------------------------|----------------------------------|
| Flat suction cup (round) | PFG 35 SI-55 N007 10.01.01.00035 |

