



SGPN 35 SI-50 G1/4-AG

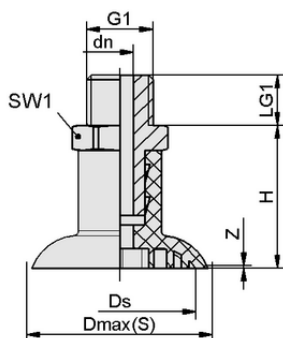
## Technical data

| Attribute                   | Value        |
|-----------------------------|--------------|
| Suction cup material        | Silicone SI  |
| Material hardness [Shore A] | 50.0 Shore A |
| Size                        | 35.00        |
| Material characteristics    | FDA          |
| Vacuum connection           | G1/4"-M      |
| Nipple material             | Aluminum     |

Flat suction cup SGPN (elastomer part + connection nipple) is delivered unassembled. The delivery consists of:

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

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



Design data SGPN 35 SI-50 G1/4-AG

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 28.50 mm |
| Nominal diameter dn | 5.50 mm  |
| Thread G1           | G1/4"-M  |
| Thread length LG1   | 10.0 mm  |
| Key width SW1       | 17.0 mm  |
| Spring stroke Z     | 0.5 mm   |
| Diameter Ds         | 34.0 mm  |
| Diameter Dmax(S)    | 35.0 mm  |

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

Art.-Nr.: 10.01.01.12785

**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Silicone SI           |
| Material hardness [Shore A]    | 50.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Suction force (-600mbar)       | 31.00 N               |
| Weight                         | 14.4 g                |
| Volume                         | 2.800 cm <sup>3</sup> |
| Size                           | 35.00                 |
| Number of folds                | 0.0                   |
| Product family                 | SGPN                  |

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/10.01.01.12785](http://www.schmalz.com/10.01.01.12785)

**Ordering Data Spare Parts 10.01.01.12785**

| Typ                           | Item number                                 |
|-------------------------------|---------------------------------------------|
| Suction cup connection nipple | SA-NIP N034 G1/4-AG DN550<br>10.01.01.00820 |

**Ordering Data Wear Parts 10.01.01.12785**

| Typ                      | Item number                         |
|--------------------------|-------------------------------------|
| Flat suction cup (round) | SGP 35 SI-50 N034<br>10.01.01.12784 |

