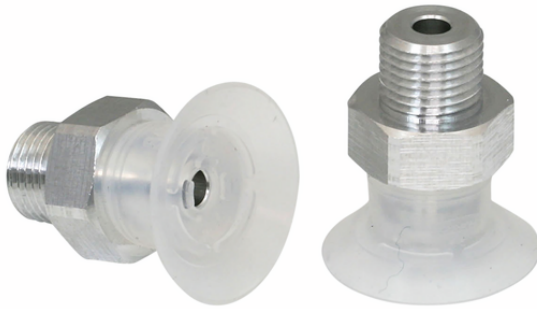




SGPN 20 SI-50 G1/8-AG

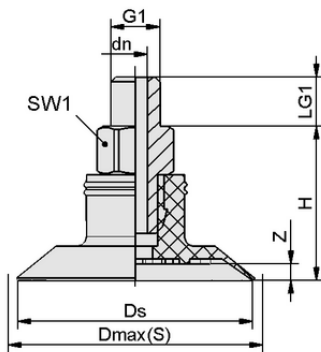
## Technical data

| Attribute                   | Value        |
|-----------------------------|--------------|
| Suction cup material        | Silicone SI  |
| Material hardness [Shore A] | 50.0 Shore A |
| Size                        | 20.00        |
| Material characteristics    | FDA          |
| Vacuum connection           | G1/8"-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 20 SI-50 G1/8-AG

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 16.40 mm |
| Nominal diameter dn | 3.50 mm  |
| Thread G1           | G1/8"-M  |
| Thread length LG1   | 7.5 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 1.5 mm   |
| Diameter Ds         | 20.0 mm  |
| Diameter Dmax(S)    | 22.0 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]    | 50.0 Shore A          |
| Hose inner diameter (recom.) d | 2.0 mm                |
| Suction force (-600mbar)       | 8.50 N                |
| Weight                         | 5.6 g                 |
| Volume                         | 0.600 cm <sup>3</sup> |
| Size                           | 20.00                 |
| 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/10.01.01.11984](http://www.schmalz.com/10.01.01.11984)

**Ordering Data Spare Parts 10.01.01.11984**

| Typ                           | Item number                                 |
|-------------------------------|---------------------------------------------|
| Suction cup connection nipple | SA-NIP N016 G1/8-AG DN350<br>10.01.06.05735 |

**Ordering Data Wear Parts 10.01.01.11984**

| Typ                      | Item number                         |
|--------------------------|-------------------------------------|
| Flat suction cup (round) | SGP 20 SI-50 N016<br>10.01.01.11571 |

