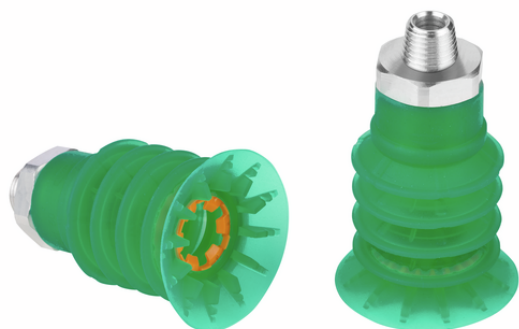


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SPB4f 50 SI-55 NPT1/4-AG

## Technical data

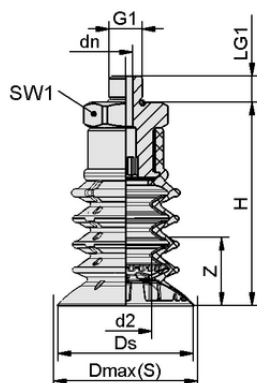
| Attribute                   | Value        |
|-----------------------------|--------------|
| Suction cup material        | Silicone SI  |
| Material hardness [Shore A] | 55.0 Shore A |
| Size                        | 50.00        |
| Number of folds             | 4.5          |
| Thread G1                   | NPT1/4"-M    |

Suction cup SPB4f (elastomer part + connection element) with integrated bag stabilizer is delivered assembled. The assembly consists of:

- Suction cup of type SPB4f – elastomer part, available in various diameters
- Connection element of type SC – available with various threads

Available spare parts: suction cup SPB4f, Schmalz-Connector

Available accessories: filter screen (sieve, round), hose clamp



Design data SPB4f 50 SI-55 NPT1/4-AG

## Design data

| Attribute           | Value     |
|---------------------|-----------|
| Height H            | 75.00 mm  |
| Nominal diameter dn | 8.00 mm   |
| d2                  | 21.0 mm   |
| Thread G1           | NPT1/4"-M |
| Thread length LG1   | 10.2 mm   |
| Key width SW1       | 27.0 mm   |
| Spring stroke Z     | 26.0 mm   |
| Diameter Ds         | 49.7 mm   |
| Diameter Dmax(S)    | 52.0 mm   |

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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 | 12.0 mm                |
| Pull-off force                 | 35.00 N                |
| Suction force (-600mbar)       | 41.00 N                |
| Weight                         | 43.90 g                |
| Volume                         | 33.110 cm <sup>3</sup> |
| Number of folds                | 4.5                    |
| Suction force at -400 mbar     | 27.30 N                |
| Suction force at -200 mbar     | 13.70 N                |
| Product family                 | SPB4f                  |

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/10.01.06.05089](http://www.schmalz.com/10.01.06.05089)

**Ordering Data Spare Parts 10.01.06.05089**

| Typ                         |                     | Item number    |
|-----------------------------|---------------------|----------------|
| Schmalz-Connector           | SC 090 NPT1/4-AG    | 10.01.06.03666 |
| Bellows suction cup (round) | SPB4 50 SI-55 SC090 | 10.01.06.02613 |

