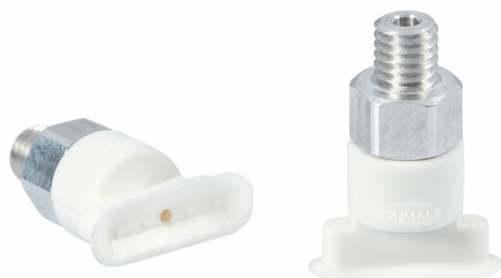


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**Technical data**

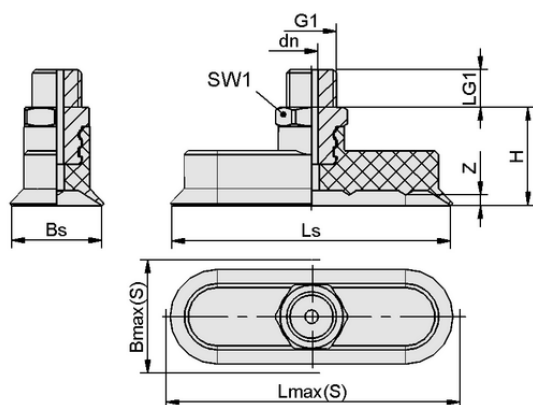
| Attribute                   | Value          |
|-----------------------------|----------------|
| Suction cup material        | Silicone SI-HD |
| Material hardness [Shore A] | 65.0 Shore A   |
| Connection                  | M5-M           |
| Dimension (LxW)             | 15x5           |
| Nipple material             | Aluminum       |

SGON 15x5 SI-HD-65 M5-AG

Suction cup SGON (elastomer part + connection nipple) is delivered unassembled. The delivery consists of:

- Suction cup of type SGO – elastomer part, available in various dimensions (LxW) and materials
- Connection nipple of type SA-NIP – available with various threads
- Cups of the size 24 x 8 mm and larger are delivered with a two-ear clamp

Available spare parts: suction cup SGO, connection nipple SA-NIP, two-ear clamp

**Design data**

| Attribute            | Value    |
|----------------------|----------|
| Height H             | 17.00 mm |
| Nominal diameter dn  | 1.20 mm  |
| Thread G1            | M5-M     |
| Thread length LG1    | 5.0 mm   |
| Key width SW1        | 8.0 mm   |
| Spring stroke Z      | 0.7 mm   |
| Suction cup width Bs | 5.00 mm  |
| Ls                   | 15.00 mm |
| Lmax.(S)             | 15.50 mm |
| Bmax(S)              | 5.50 mm  |

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

Design data SGON 15x5 SI-HD-65 M5-AG



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**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Silicone SI-HD        |
| Material hardness [Shore A]    | 65.0 Shore A          |
| Hose inner diameter (recom.) d | 2.0 mm                |
| Workpiece radius min. (convex) | 4.0 mm                |
| Suction force (-600mbar)       | 3.10 N                |
| Weight                         | 3.4 g                 |
| Volume                         | 0.175 cm <sup>3</sup> |
| Number of folds                | 0.0                   |
| Product family                 | SGON                  |

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/10.01.05.01048](http://www.schmalz.com/10.01.05.01048)

**Ordering Data Spare Parts 10.01.05.01048**

| Typ                           |                         | Item number    |
|-------------------------------|-------------------------|----------------|
| Suction cup connection nipple | SA-NIP N021 M5-AG DN200 | 10.01.05.00126 |
| Suction cup connection nipple | SA-NIP N021 M5-IG DN200 | 10.01.05.00125 |
| Flat suction cup (oval)       | SGO 15x5 SI-HD-65 N021  | 10.01.05.01028 |

