

Art.-Nr.: 10.01.05.01058

**Technical data**

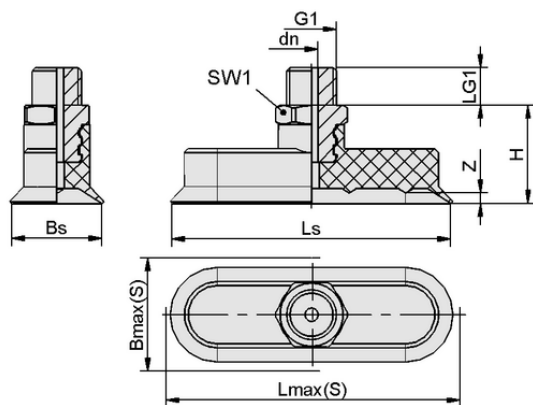
| Attribute                   | Value          |
|-----------------------------|----------------|
| Suction cup material        | Silicone SI-HD |
| Material hardness [Shore A] | 65.0 Shore A   |
| Connection                  | G1/4"-M        |
| Dimension (LxW)             | 60x20          |
| Nipple material             | Aluminum       |

SGON 60x20 SI-HD-65 G1/4-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             | 26.00 mm |
| Nominal diameter dn  | 3.50 mm  |
| Thread G1            | G1/4"-M  |
| Thread length LG1    | 10.0 mm  |
| Key width SW1        | 17.0 mm  |
| Spring stroke Z      | 2.5 mm   |
| Suction cup width Bs | 19.00 mm |
| Ls                   | 59.00 mm |
| Lmax.(S)             | 61.00 mm |
| Bmax(S)              | 22.00 mm |

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

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| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Silicone SI-HD        |
| Material hardness [Shore A]    | 65.0 Shore A          |
| Hose inner diameter (recom.) d | 6.0 mm                |
| Workpiece radius min. (convex) | 20.0 mm               |
| Suction force (-600mbar)       | 50.10 N               |
| Weight                         | 19.00 g               |
| Volume                         | 3.611 cm <sup>3</sup> |
| Number of folds                | 0.0                   |
| Product family                 | SGON                  |
| Dimension (LxW)                | 60x20                 |

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/10.01.05.01058](http://www.schmalz.com/10.01.05.01058)

**Ordering Data Spare Parts 10.01.05.01058**

| Typ                            |                           | Item number    |
|--------------------------------|---------------------------|----------------|
| Flat suction cup (oval)        | SGO 60x20 SI-HD-65 N023   | 10.01.05.01039 |
| Suction Cup Connection Nipples | SA-NIP N023 G1/4-AG DN350 | 10.01.05.00122 |
| Suction Cup Connection Nipples | SA-NIP N023 G1/4-IG DN350 | 10.01.05.00121 |
| Two-ear clamp                  | ZOKL 15-18                | 10.07.10.00033 |

