

Art.-Nr.: 10.01.05.00943



SGON 18x6 NBR-ESD-55 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

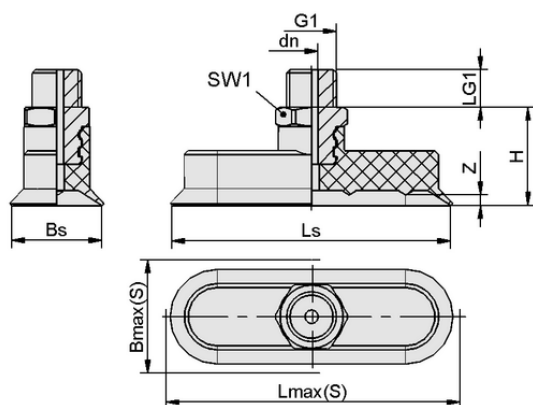
### Technical data

| Attribute                   | Value                  |
|-----------------------------|------------------------|
| Suction cup material        | Nitrile rubber NBR-ESD |
| Material hardness [Shore A] | 55.0 Shore A           |
| Connection                  | M5-M                   |
| Dimension (LxW)             | 18x6                   |
| Nipple material             | Aluminum               |

### Design data

| Attribute            | Value    |
|----------------------|----------|
| Height H             | 17.00 mm |
| Nominal diameter dn  | 1.50 mm  |
| Thread G1            | M5-M     |
| Thread length LG1    | 5.0 mm   |
| Key width SW1        | 8.0 mm   |
| Spring stroke Z      | 0.8 mm   |
| Suction cup width Bs | 6.00 mm  |
| Ls                   | 18.00 mm |
| Lmax.(S)             | 18.50 mm |
| Bmax(S)              | 7.00 mm  |

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



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**Technical data**

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| Suction cup material           | Nitrile rubber NBR-ESD |
| Material hardness [Shore A]    | 55.0 Shore A           |
| Hose inner diameter (recom.) d | 2.0 mm                 |
| Workpiece radius min. (convex) | 4.0 mm                 |
| Suction force (-600mbar)       | 4.50 N                 |
| Weight                         | 3.7 g                  |
| Volume                         | 0.205 cm <sup>3</sup>  |
| Number of folds                | 0.0                    |
| Product family                 | SGON                   |
| Dimension (LxW)                | 18x6                   |

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/10.01.05.00943](http://www.schmalz.com/10.01.05.00943)

**Ordering Data Spare Parts 10.01.05.00943**

| Typ                           |                          | Item number    |
|-------------------------------|--------------------------|----------------|
| Flat suction cup (oval)       | SGO 18x6 NBR-ESD-55 N021 | 10.01.05.00932 |
| Suction cup connection nipple | SA-NIP N021 M5-AG DN200  | 10.01.05.00126 |

