

Art.-Nr.: 10.01.05.00103



SGON 18x6 NBR-55 M5-IG

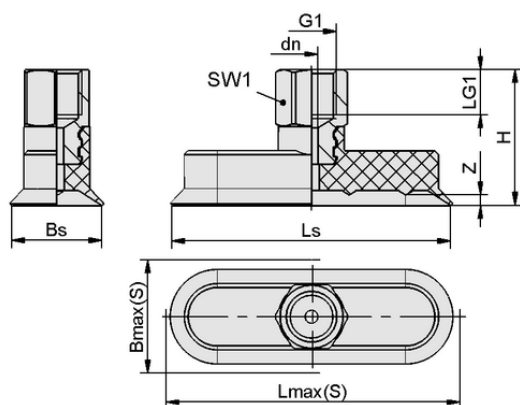
Technical data

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

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 SGON 18x6 NBR-55 M5-IG

Design data

Attribute	Value
Height H	22.00 mm
Nominal diameter dn	1.50 mm
Thread G1	M5-F
Thread length LG1	5.5 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
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	3.8 g
Dimension (LxW)	18 x 6
Volume	0.205 cm ³
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/10.01.05.00103

**Ordering Data Spare Parts 10.01.05.00103**

Typ	Item number
Suction cup connection nipple	SA-NIP N021 M5-IG DN200 10.01.05.00125

**Ordering Data Wear Parts 10.01.05.00103**

Typ	Item number
Flat suction cup (oval)	SGO 18x6 NBR-55 N021 10.01.05.00072