



SGON 7x3.5 HT1-60 M3-AG

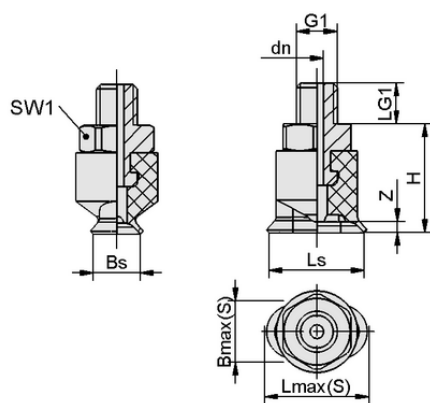
Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Connection	M3-M
Dimension (LxW)	7x3.5
Nipple material	Aluminum
Material property	non-marking

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 7x3.5 HT1-60 M3-AG

Design data

Attribute	Value
Height H	8.00 mm
Nominal diameter dn	1.00 mm
Thread G1	M3-M
Thread length LG1	3.0 mm
Key width SW1	5.0 mm
Spring stroke Z	0.8 mm
Suction cup width Bs	3.50 mm
Ls	7.00 mm
Lmax.(S)	7.50 mm
Bmax(S)	4.50 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	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	3.0 mm
Suction force (-600mbar)	1.00 N
Weight	2.0 g
Dimension (LxW)	7 x 3.5
Volume	0.029 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/10.01.05.00405

**Ordering Data Spare Parts 10.01.05.00405**

Typ	Item number
Suction cup connection nipple	SA-NIP N003 M3-AG DN100 10.01.01.00316

**Ordering Data Wear Parts 10.01.05.00405**

Typ	Item number
Flat suction cup (oval)	SGO 7x3.5 HT1-60 N003 10.01.05.00427

