

**Technical data**

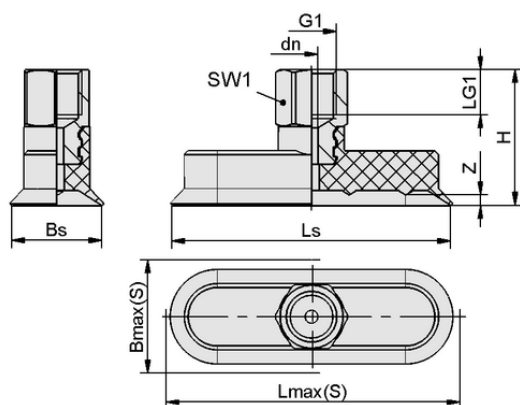
Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Connection	G1/4"-F
Dimension (LxW)	45x15
Nipple material	Aluminum

SGON 45x15 NBR-55 G1/4-IG

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	36.00 mm
Nominal diameter dn	3.00 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	17.0 mm
Spring stroke Z	2.0 mm
Suction cup width Bs	14.40 mm
Ls	44.40 mm
Lmax.(S)	46.00 mm
Bmax(S)	16.50 mm

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

Design data SGON 45x15 NBR-55 G1/4-IG



Art.-Nr.: 10.01.05.00097

**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	10.0 mm
Suction force (-600mbar)	28.20 N
Weight	14.3 g
Dimension (LxW)	45 x 15
Volume	2.306 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/10.01.05.00097

**Ordering Data Spare Parts 10.01.05.00097**

Typ		Item number
Suction cup connection nipple	SA-NIP N023 G1/4-IG DN350	10.01.05.00121
Two-ear clamp	ZOKL 15-18	10.07.10.00033

**Ordering Data Wear Parts 10.01.05.00097**

Typ		Item number
Flat suction cup (oval)	SGO 45x15 NBR-55 N023	10.01.05.00153
Two-ear clamp	ZOKL 15-18	10.07.10.00033

