



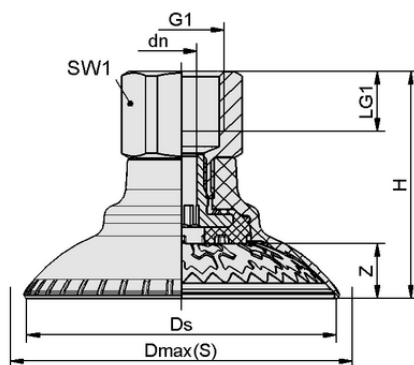
SAXM 100 ED-85 G1/4-IG

Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Size	100.00
Connection	G1/4-IG
Nipple material	Aluminum

Bell-shaped suction cup SAXM (elastomer part + connection element) is delivered assembled. As an alternative the individual parts can also be ordered separately. To do this, the following ordering steps are required:

- Bell-shaped suction cup of type SAXM (step 1) – elastomer part, available in various diameters
- Connector upper part (step 2) – available with various threads
- Connector lower part (step 3) – including molded friction disc



Design data SAXM 100 ED-85 G1/4-IG

Design data

Attribute	Value
Height H	57.20 mm
Nominal diameter dn	6.10 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	22.0 mm
Spring stroke Z	17.1 mm
Diameter Ds	99.7 mm
Diameter Dmax(S)	111.1 mm

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

Art.-Nr.: 10.01.19.00039

**Technical data**

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	40.0 mm
Suction force (-600mbar)	412.00 N
Weight	73.4 g
Lateral force	230.0 N
Lateral force oily surface	414.0 N
Volume	95.500 cm ³
Size	100.00
Number of folds	0.0
Connection	G1/4"-F
Product family	SAXM

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even workpiece surface - they do not include a safety factor Lateral force: The specified lateral forces are values measured at a vacuum of -0.6 bar with a dry or oily, smooth, flat workpiece surface. Depending on the workpiece surface and its quality, the actual values may deviate from these values Hose 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/10.01.19.00039

**Ordering Data Spare Parts 10.01.19.00039**

Typ	Item number
Schmalz-Connector-Adapter	SC-A 065 G1/4-IG L 10.01.06.02774

**Ordering Data Wear Parts 10.01.19.00039**

Typ	Item number
Bell suction cup (round)	SAXM 100 ED-85 SC065 10.01.19.00009
Schmalz-Connector-Screw	SC-S 065 FDC-L 10.01.06.02805

