

SAXM 30 ED-85 G1/4-AG

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

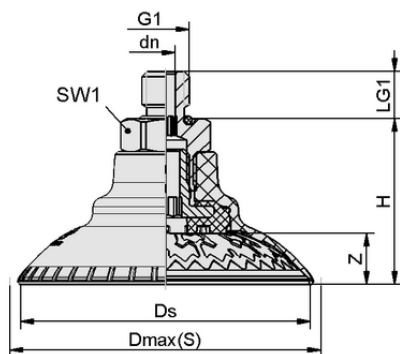
Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Size	30.00
Connection	G1/4-AG
Nipple material	Aluminum

Design data

Attribute	Value
Height H	25.00 mm
Nominal diameter dn	5.10 mm
Thread G1	G1/4"-M
Thread length LG1	10.0 mm
Key width SW1	17.0 mm
Spring stroke Z	4.3 mm
Diameter Ds	31.6 mm
Diameter Dmax(S)	35.2 mm

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



Design data SAXM 30 ED-85 G1/4-AG

Art.-Nr.: 10.01.19.00049

**Technical data**

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Hose inner diameter (recom.) d	5.0 mm
Workpiece radius min. (convex)	18.0 mm
Suction force (-600mbar)	39.00 N
Weight	14.5 g
Lateral force	32.0 N
Lateral force oily surface	41.0 N
Volume	3.400 cm ³
Size	30.00
Number of folds	0.0
Connection	G1/4"-M
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/10.01.19.00049

**Ordering Data Spare Parts 10.01.19.00049**

Typ	Item number
Schmalz-Connector-Adapter	SC-A 045 G1/4-AG L 10.01.06.02818

**Ordering Data Wear Parts 10.01.19.00049**

Typ	Item number
Bell suction cup (round)	SAXM 30 ED-85 SC045 10.01.19.00004
Schmalz-Connector-Screw	SC-S 045 FDC-L 10.01.06.02803

