



Technical data

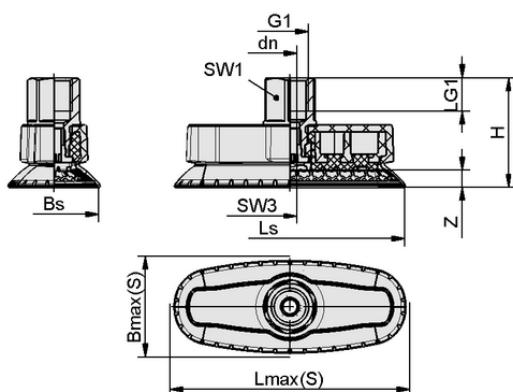
Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Additional function suction cup	Friction disc
Connection	G1/4-IG
Nipple material	Aluminum

SAOXM 80x30 ED-85 G1/4-IG

Bell-shaped suction cup SAOXM (elastomer part with insert including friction disc + connection element) is delivered assembled. The assembly consists of:

- Bell-shaped suction cup of type SAOXM – elastomer part, available in various dimensions
- Insert – including moulded friction disc
- Connector upper part – available with various threads
- Connector lower part

Available spare parts: suction cup SAOXM, Schmalz-Connector-Insert, Schmalz-Connector upper part (Schmalz-Connector-Adapter), Schmalz-Connector lower part (Schmalz-Connector-Screw)



Design data

Attribute	Value
Height H	39.10 mm
Nominal diameter dn	5.10 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	17.0 mm
Spring stroke Z	6.0 mm
Suction cup width Bs	31.90 mm
Ls	82.10 mm
Key width SW3	5.0 mm
Lmax.(S)	88.00 mm
Bmax(S)	41.50 mm

Design data SAOXM 80x30 ED-85 G1/4-IG



Art.-Nr.: 10.01.24.00014

**Technical data**

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	20.0 mm
Suction force (-600mbar)	105.00 N
Weight	35.70 g
Dimension (LxW)	80 x 30
Lateral force	110.0 N
Lateral force oily surface	134.0 N
Volume	13.000 cm ³
Product family	SAOXM

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/10.01.24.00014

**Ordering Data Spare Parts 10.01.24.00014**

Typ		Item number
Bell suction cup (oval)	SAOXM 80x30 ED-85 SC045-AR	10.01.24.00002
Schmalz-Connector-Insert	SC-I 045 AR-FDC	10.01.24.00010
Schmalz-Connector-Adapter	SC-A 045-AR G1/4-IG L	10.01.06.03130
Schmalz-Connector-Screw	SC-S 045 L	10.01.06.02740

**Ordering Data Wear Parts 10.01.24.00014**

Typ		Item number
Bell suction cup (oval)	SAOXM 80x30 ED-85 SC045-AR	10.01.24.00002

