



Technical data

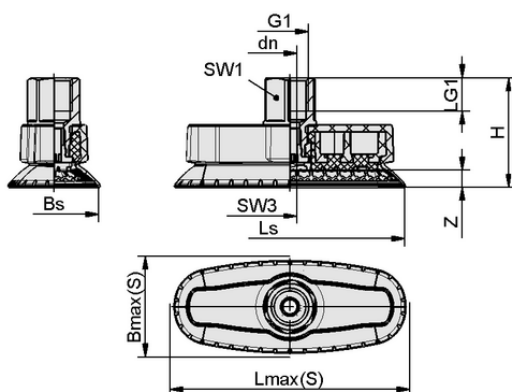
Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Additional function suction cup	Friction disc
Connection	NPT3/8-IG
Nipple material	Brass

SAOXM 100x40 ED-85 NPT3/8-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	45.70 mm
Nominal diameter dn	6.10 mm
Thread G1	NPT3/8"-F
Thread length LG1	15.0 mm
Key width SW1	22.0 mm
Spring stroke Z	7.3 mm
Suction cup width Bs	41.60 mm
Ls	101.80 mm
Key width SW3	6.0 mm
Lmax.(S)	109.00 mm
Bmax(S)	51.00 mm

Design data SAOXM 100x40 ED-85 NPT3/8-IG



Art.-Nr.: 10.01.24.00044

**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)	32.0 mm
Suction force (-600mbar)	173.00 N
Weight	105.00 g
Dimension (LxW)	100 x 40
Lateral force	135.0 N
Lateral force oily surface	156.0 N
Volume	24.000 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/10.01.24.00044

**Ordering Data Spare Parts 10.01.24.00044**

Typ		Item number
Schmalz-Connector-Insert	SC-I 055 AR-FDC	10.01.24.00011
Bell suction cup (oval)	SAOXM 100x40 ED-85 SC055-AR	10.01.24.00003
Schmalz-Connector-Adapter	SC-A 055-AR NPT3/8-IG L	10.01.06.03174

