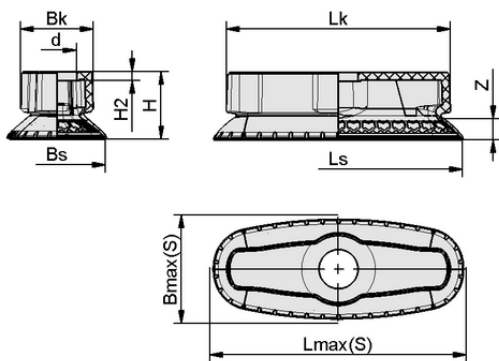




SAOXM 100x40 ED-85 SC055-AR

Bell-shaped suction cup SAOXM (elastomer part with insert including friction disc + 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 SAOXM (step 1) – elastomer part, available in various dimensions
- Insert (step 2) – including moulded on friction disc
- Connector upper part (step 3) – available with various threads
- Connector lower part (step 4)



Design data SAOXM 100x40 ED-85 SC055-AR

Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Dimension (LxW)	100 x 40

Design data

Attribute	Value
Height H2	3.40 mm
Height H	29.30 mm
Head length Lk	89.90 mm
Internal diameter d	15.20 mm
Spring stroke Z	7.3 mm
Suction cup width Bs	41.60 mm
Ls	101.80 mm
Bmax(S)	51.00 mm
Bk	32.30 mm

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**Technical data**

Attribute	Value
Nipple family	SC 055-AR
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)	32.5 mm
Weight	21.9 g
Dimension (LxW)	100 x 40
Lateral force	135.0 N
Lateral force oily surface	156.0 N
Volume	24.000 cm ³
Number of folds	0.0
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/10.01.24.00003

