



SAX 100 ED-85 G1/4-AG

Suction cup SAX, available in various diameters, is delivered with connection nipple vulcanized to elastomer part.

Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Size	100.00
Number of folds	0.0
Connection	G1/4"-M



Design data

Attribute	Value
Height H	39.70 mm
Nominal diameter dn	6.10 mm
Thread G1	G1/4"-M
Thread length LG1	14.0 mm
Key width SW1	22.0 mm
Spring stroke Z	17.3 mm
Diameter Ds	100.1 mm
Diameter Dmax(S)	111.1 mm

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**Technical data**

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Workpiece radius min. (convex)	40.0 mm
Suction force (-600mbar)	412.00 N
Weight	59.50 g
Lateral force	284.0 N
Lateral force oily surface	414.0 N
Volume	96.000 cm ³
Size	100.00
Number of folds	0.0
Connection	G1/4"-M
Product family	SAX

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/10.01.19.00330

