



Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Dimension (LxW)	140 x 70
Number of folds	1.5
Connection	G1/4-AG
Nipple material	Aluminum

SAOB 140x70 HT1-60 G1/4-AG

Suction cup SAOB HT1, available in various diameters, is delivered with connection nipple glued to elastomer part.



Design data

Attribute	Value
Length L1	126.00 mm
Width B1	67.00 mm
Height H	39.50 mm
Nominal diameter dn	6.00 mm
Thread G1	G1/4"-M
Thread length LG1	8.0 mm
Key width SW1	17.0 mm
Spring stroke Z	16.5 mm
Suction cup width Bs	70.10 mm
Ls	141.10 mm

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

Design data SAOB 140x70 HT1-60 G1/4-AG

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**Technical data**

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	70.0 mm
Pull-off force	351.90 N
Suction force (-600mbar)	165.00 N
Weight	117.40 g
Dimension (LxW)	140 x 70
Lateral force	459.0 N
Lateral force oily surface	302.8 N
Volume	106.000 cm ³
Number of folds	1.5
Product family	SAOB

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/10.01.06.03209

