



Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60.0 Shore A
Dimension (LxW)	80 x 40
Number of folds	1.5
Connection	M10-AG
Nipple material	Steel

SAOB 80x40 NBR-60 M10-AG

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



Design data

Attribute	Value
Length L1	73.30 mm
Width B1	40.00 mm
Height H	29.70 mm
Nominal diameter dn	4.00 mm
Thread G1	M10-M
Thread length LG1	10.0 mm
Key width SW1	17.0 mm
Spring stroke Z	9.0 mm
Suction cup width Bs	40.60 mm
Ls	80.60 mm

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

Design data SAOB 80x40 NBR-60 M10-AG

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**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	25.0 mm
Pull-off force	131.70 N
Suction force (-600mbar)	65.00 N
Weight	36.3 g
Dimension (LxW)	80 x 40
Lateral force	152.8 N
Lateral force oily surface	73.6 N
Volume	21.800 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/10.01.06.01026

