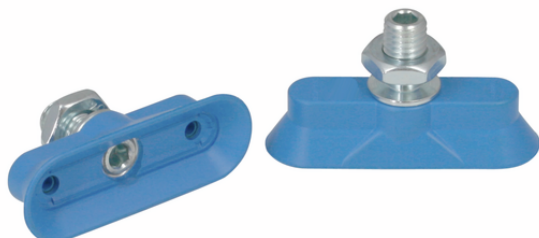


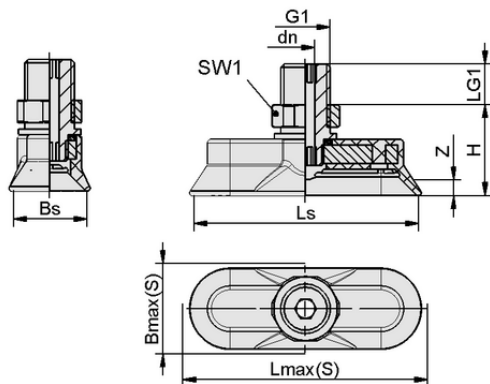
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**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	45.0 Shore A
Dimension (LxW)	60 x 20
Connection	M10-AG
Nipple material	Steel

SAOG 60x20 NBR-45 M10-AG

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

**Design data**

Attribute	Value
Height H	21.50 mm
Nominal diameter dn	4.00 mm
Thread G1	M10-M
Thread length LG1	10.0 mm
Key width SW1	16.0 mm
Spring stroke Z	4.5 mm
Suction cup width Bs	20.00 mm
Ls	60.00 mm
Lmax.(S)	66.00 mm
Bmax(S)	26.00 mm

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

Design data SAOG 60x20 NBR-45 M10-AG



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**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	12.5 mm
Suction force (-600mbar)	56.00 N
Weight	27.4 g
Dimension (LxW)	60 x 20
Lateral force	35.0 N
Lateral force oily surface	10.0 N
Volume	4.860 cm ³
Number of folds	0.0
Product family	SAOG

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/10.01.01.11760

