

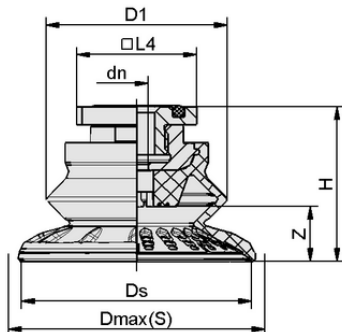


Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60.0 Shore A
Size	50.00
Number of folds	1.5
Connection	RA
Nipple material	Aluminum

SAB 50 NBR-60 RA

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



Design data

Attribute	Value
Height H	36.60 mm
Outside diameter D1	39.5 mm
Nominal diameter dn	6.00 mm
Spring stroke Z	11.6 mm
Diameter Ds	50.1 mm
Length L4	31.80 mm
Diameter Dmax(S)	56.0 mm

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

Design data SAB 50 NBR-60 RA

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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	4.0 mm
Workpiece radius min. (convex)	50.0 mm
Pull-off force	87.00 N
Suction force (-600mbar)	53.00 N
Weight	41.50 g
Lateral force	95.0 N
Lateral force oily surface	52.0 N
Volume	16.100 cm ³
Size	50.00
Number of folds	1.5
Product family	SAB

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/10.01.06.01055

