

Bellows suction cup (round)

SAB 100 NBR-60 G1/4-IG

Part no.: 10.01.06.00853

<https://www.schmalz.com/10.01.06.00853>

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Bellows suction cup (round) for very dynamic handling of smooth and oily workpieces



Size: 100

Suction cup material: Nitrile rubber NBR

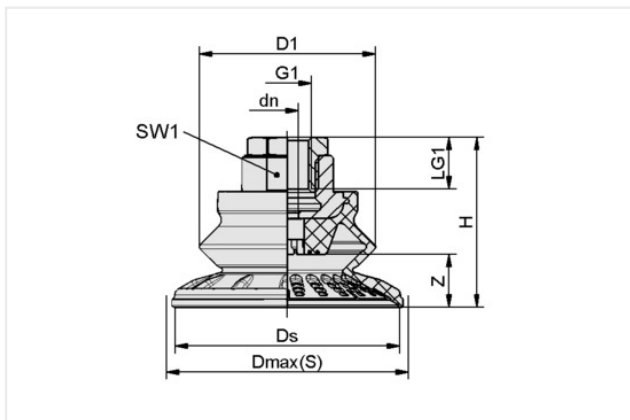
Material hardness [Shore A]: 60 Shore A

Nipple material: Nickel plated

Connection: G1/4-IG

Number of folds: 1,5

Design Data



Attribute	Value
dn	6 mm
D1	77 mm
Dmax(S)	110 mm
Ds	100,80 mm
G1	G1/4"-F
H	61,80 mm
LG1	20 mm
SW1	22 mm
Z (Stroke)	25,80 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	190 N
Pull-off force	357 N
Lateral force	295 N
Lateral force (oily surface)	214 N
Volume	115 cm ³
Curve radius (min) (convex)	90 mm
Hose diameter (rec.) d	6 mm

Contact Schmalz

Schmalz d.o.o. | Velika Ligojna 4, Vrhnika, Slovenia | +386 70 613 796 | info@schmalz.si

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Size	100
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60 Shore A
Weight	101,90 g
Product family	SAB
Number of folds	1,50

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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