

Bellows suction cup (round)

SAB 80 NBR-60 G1/4-IG

Part no.: 10.01.06.00850

<https://www.schmalz.co.jp/10.01.06.00850>

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



Size: 80

Suction cup material: Nitrile rubber NBR

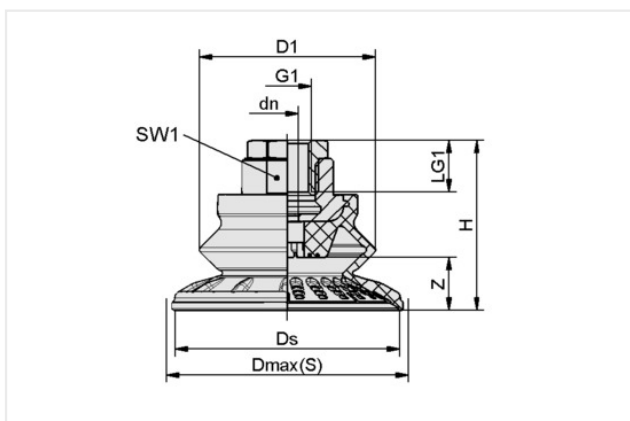
Material hardness [Shore A]: 60 Shore A

Nipple material: Nickel plated

Connection: G1/4-IG

Number of folds: 1.5

Design Data



Attribute	Value
dn	6 mm
D1	63.60 mm
Dmax (S)	89 mm
Ds	81.10 mm
G1	G1/4"-F
H	54.90 mm
LG1	20 mm
SW1	22 mm
Z (Stroke)	22.10 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	135 N
Pull-off force	221 N
Lateral force	205 N
Lateral force (oily surface)	140 N
Volume	67.60 cm ³
Curve radius (min) (convex)	75 mm
Hose diameter (rec.) d	6 mm

Contact Schmalz

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Size	80
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60 Shore A
Weight	75.90 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