

Flat suction cup (oval)

SAOF 80x40 NBR-45 M10-AG

Part no.: 10.01.05.00581

<https://www.schmalz.co.jp/10.01.05.00581>

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Flat suction cup (oval) for very dynamic handling of smooth and oily workpieces



Dimensions (LxB): 80x40

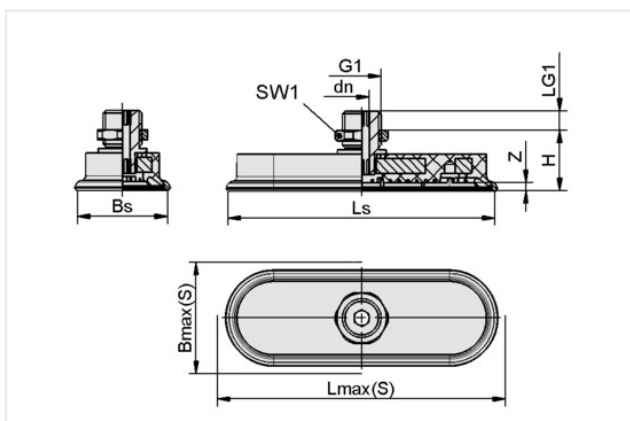
Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Steel

Connection: M10-AG

Design Data



Attribute	Value
Bmax (S)	43 mm
Bs	38.60 mm
dn	4 mm
G1	M10-M
H	20 mm
LG1	10 mm
Lmax (S)	85 mm
Ls	80.60 mm
SW1	17 mm
Z (Stroke)	4 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	140 N
Lateral force	110 N
Lateral force (oily surface)	100 N
Volume	11.70 cm ³
Curve radius (min) (convex)	50 mm
Hose diameter (rec.) d	4 mm
Number of folds	0

Contact Schmalz

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Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	45 Shore A
Weight	47 g
Product family	SAOF
Dimensions (LxB)	80x40

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
