

Flat suction cup (oval)

SAOF 90x30 NBR-45 G1/4-AG

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



Dimensions (LxB): 90 x 30 mm

Suction cup material:

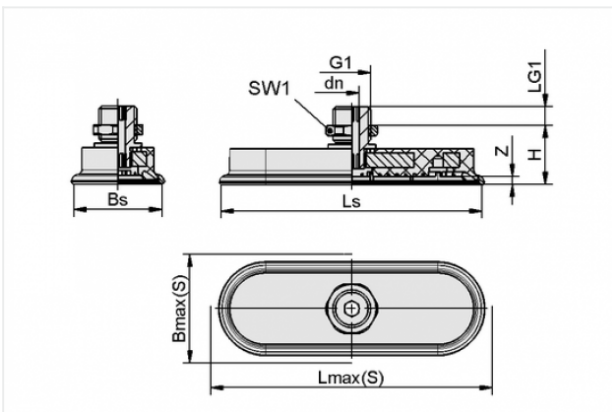
Nitrile rubber NBR

Material hardness: 45 °Sh

Nipple material: Aluminium

Vacuum connection: G1/4-M

Design Data



Attribute	Value
Bmax(S)	34 mm
Bs	30.6 mm
dn	5 mm
G1	G1/4"-M
H	19 mm
LG1	8 mm
Lmax(S)	94 mm
Ls	90.6 mm
SW1	17 mm
Z	3 mm

Contact to Schmalz

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Technical Data

Attribute	Value
Suction force	122 N
Lateral force	96 N
Lateral force (oily surface)	64 N
Volume	10.1 cm ³
Curve radius (min) (convex)	40 mm
Internal hose diameter (recom.)	4 mm
Dimensions (LxB)	90 x 30 mm
Number of folds	0
Suction cup material	Nitrile rubber NBR
Material hardness	45 °Sh
Weight	39 g
Product family	SAOF

Note:

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