Flat suction cup (oval)

SAOF 140x70 NBR-60 M14x1.5-AG

Part no..:10.01.05.00353

https://www.schmalz.com/10.01.05.00353

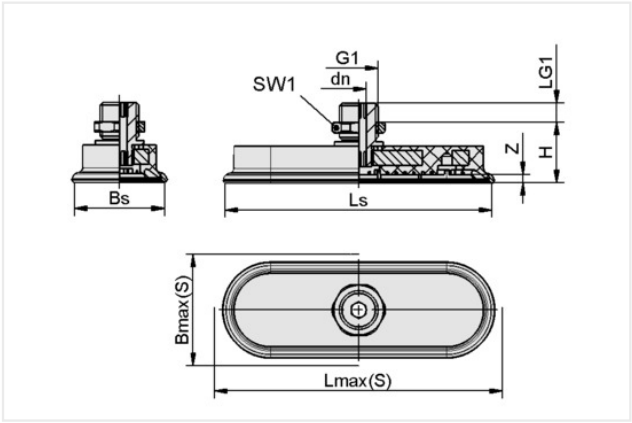
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Flat suction cup (oval) for very dynamic handling of smooth and oily workpieces



- Dimensions (LxB): 140x70
- Suction cup material: Nitrile rubber NBR
- Material hardness [Shore A]: 60 Shore A
- Nipple material: Aluminum
- Connection: M14x1.5-AG

Design Data



Attribute	Value
Bmax(S)	76 mm
Bs	67.60 mm
dn	6 mm
G1	M14x1.5-M
H	27 mm
LG1	10 mm
Lmax(S)	149 mm
Ls	140.60 mm
SW1	22 mm
Z (Stroke)	7 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	425 N
Lateral force	344 N
Lateral force (oily surface)	230 N
Volume	57.30 cm^3
Curve radius (min) (convex)	90 mm
Hose diameter (rec.) d	6 mm
Number of folds	0

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Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60 Shore A
Weight	98 g
Product family	SAOF
Dimensions (LxB)	140x70

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