

Bellows suction cup (oval)

SAOB 140x70 NBR-60 M10-AG

Part no.: 10.01.06.01030

<https://www.schmalz.co.jp/10.01.06.01030>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Bellows Suction Cups SAOB HT2 (Oval, 1.5 Folds) > SAOB 140x70 NBR-60 M10-AG

Bellows suction cup (oval) for high dynamic on curved, oily surfaced workpieces



Dimensions (LxB): 140 x 70

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 60 Shore A

Nipple material: Steel

Connection: M10-AG

Number of folds: 1.5

Design Data



Attribute	Value
B1	67 mm
Bmax (S)	75 mm
Bs	70.10 mm
dn	4 mm
G1	M10-M
H	39.50 mm
L1	126 mm
LG1	10 mm
Lmax (S)	146 mm
Ls	141.10 mm
SW1	17 mm
Z (Stroke)	16.50 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	165 N
Pull-off force	355.20 N
Lateral force	472.70 N
Lateral force (oily surface)	245.60 N
Volume	106 cm ³

Contact Schmalz

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Curve radius (min) (convex)	70 mm
Hose diameter (rec.) d	6 mm
Dimensions (LxB)	140 x 70
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	60 Shore A
Number of folds	1.50
Weight	120.70 g
Product family	SAOB

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