

# Bell suction cup (oval)

## SAOG 80x30 NBR-45 G1/4-IG

<https://www.schmalz.com/10.01.01.11649>



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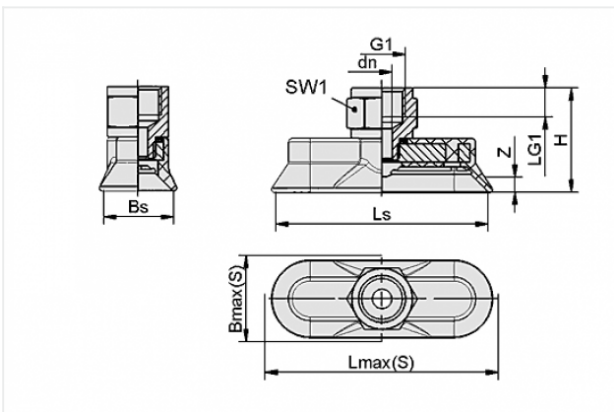
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### Bell suction cup (oval) for very dynamic handling of smooth and oily workpieces



Dimensions (LxB): 80 x 30 mm  
 Suction cup material:  
 Nitrile rubber NBR  
 Material hardness: 45 °Sh  
 Nipple material: Brass, nickel-plated  
 Vacuum connection: G1/4-F

#### Design Data



Attribute	Value
Bmax(S)	36 mm
Bs	30 mm
dn	6 mm
G1	G1/4"-F
H	32 mm
LG1	8 mm
Lmax(S)	86 mm
Ls	80 mm
SW1	17 mm
Z	10 mm

#### Contact to Schmalz

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## Technical Data

Attribute	Value
Suction force	105 N
Lateral force	65 N
Lateral force (oily surface)	45 N
Volume	13.2 cm <sup>3</sup>
Curve radius (min) (convex)	20 mm
Internal hose diameter (recom.)	4 mm
Dimensions (LxB)	80 x 30 mm
Suction cup material	Nitrile rubber NBR
Weight	36.2 g
Number of folds	0

### 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