

# Flat suction cup (oval)

## SAOF 60x23 NBR-60 G1/4-IG

<https://www.schmalz.com/10.01.05.00367>



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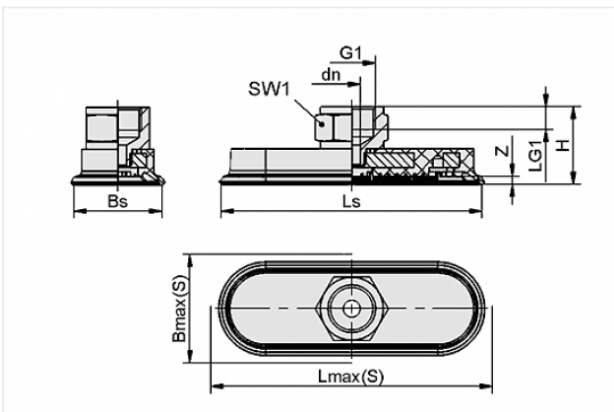
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### Flat suction cup (oval) for very dynamic handling of smooth and oily workpieces



Dimensions (LxB): 60 x 23 mm  
 Suction cup material:  
 Nitrile rubber NBR  
 Material hardness: 60 °Sh  
 Nipple material: Brass, nickel-plated  
 Vacuum connection: G1/4-F

#### Design Data



| Attribute | Value   |
|-----------|---------|
| Bmax(S)   | 25 mm   |
| Bs        | 21.6 mm |
| dn        | 6 mm    |
| G1        | G1/4"-F |
| H         | 26 mm   |
| LG1       | 8 mm    |
| Lmax(S)   | 64 mm   |
| Ls        | 60.6 mm |
| SW1       | 17 mm   |
| Z         | 3 mm    |

#### Contact to Schmalz

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## Technical Data

| Attribute                       | Value                |
|---------------------------------|----------------------|
| Suction force                   | 57 N                 |
| Lateral force                   | 37 N                 |
| Lateral force (oily surface)    | 33 N                 |
| Volume                          | 3.89 cm <sup>3</sup> |
| Curve radius (min) (convex)     | 20 mm                |
| Internal hose diameter (recom.) | 4 mm                 |
| Dimensions (LxB)                | 60 x 23 mm           |
| Number of folds                 | 0                    |
| Suction cup material            | Nitrile rubber NBR   |
| Material hardness               | 60 °Sh               |
| Weight                          | 29 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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