

## Flat suction cup (oval)

<https://www.schmalz.com/10.01.05.00385>



SAOF 60x23 NBR-60  
M14x1.5-AG

Part no.: 10.01.05.00385

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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:

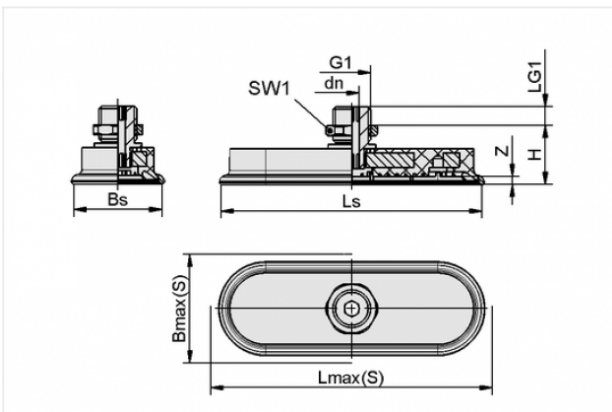
Nitrile rubber NBR

Material hardness: 60 °Sh

Nipple material: Aluminium

Vacuum connection: M14x1.5-M

### Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

|         |       |
|---------|-------|
| Bmax(S) | 25 mm |
|---------|-------|

|    |         |
|----|---------|
| Bs | 21.6 mm |
|----|---------|

|    |      |
|----|------|
| dn | 5 mm |
|----|------|

|    |           |
|----|-----------|
| G1 | M14x1.5-M |
|----|-----------|

|   |       |
|---|-------|
| H | 20 mm |
|---|-------|

|     |       |
|-----|-------|
| LG1 | 10 mm |
|-----|-------|

|         |       |
|---------|-------|
| Lmax(S) | 64 mm |
|---------|-------|

|    |         |
|----|---------|
| Ls | 60.6 mm |
|----|---------|

|     |       |
|-----|-------|
| SW1 | 22 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                          | 34 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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