

Flat suction cup (oval)

# SAOF 60x23 NBR-45 M10-AG



Art.-Nr.: 10.01.05.00564



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Suction cup SAOF, available in various diameters, is delivered with connection nipple vulcanized to elastomer part.

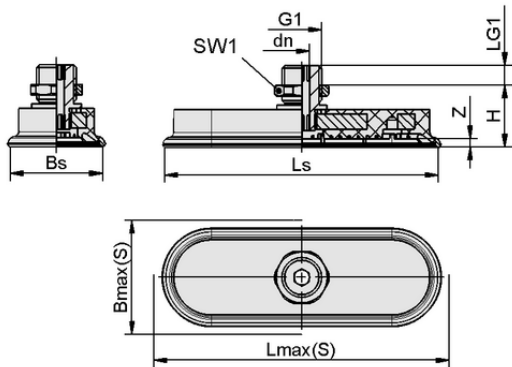
## Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45.0 Shore A       |
| Connection                  | M10-AG             |
| Dimension (LxW)             | 60x23              |
| Nipple material             | Steel              |

## Design data

| Attribute            | Value    |
|----------------------|----------|
| Height H             | 18.00 mm |
| Nominal diameter dn  | 4.00 mm  |
| Thread G1            | M10-M    |
| Thread length LG1    | 10.0 mm  |
| Key width SW1        | 16.0 mm  |
| Spring stroke Z      | 3.0 mm   |
| Suction cup width Bs | 21.60 mm |
| Ls                   | 60.60 mm |
| Lmax.(S)             | 64.00 mm |
| Bmax(S)              | 25.00 mm |

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



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**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Nitrile rubber NBR    |
| Material hardness [Shore A]    | 45.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Workpiece radius min. (convex) | 20.0 mm               |
| Suction force (-600mbar)       | 57.00 N               |
| Weight                         | 33.00 g               |
| Lateral force                  | 37.0 N                |
| Lateral force oily surface     | 33.0 N                |
| Volume                         | 3.890 cm <sup>3</sup> |
| Number of folds                | 0.0                   |
| Product family                 | SAOF                  |
| Dimension (LxW)                | 60x23                 |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even 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

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.05.00564](http://www.schmalz.com/10.01.05.00564)

