

Bellows suction cup (oval)

## SAOB 140x70 NBR-60 M10-AG



Art.-Nr.: 10.01.06.01030

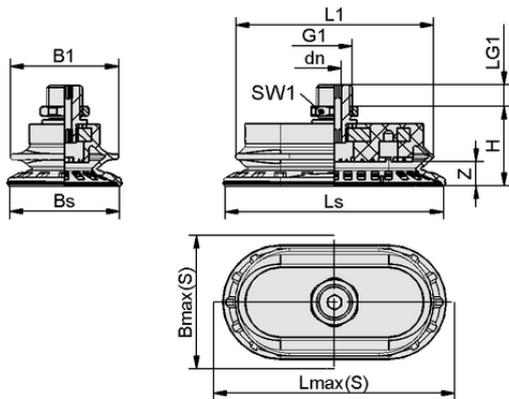


### Technical data

|                             |                    |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60.0 Shore A       |
| Dimension (LxW)             | 140 x 70           |
| Number of folds             | 1.5                |
| Connection                  | M10-AG             |
| Nipple material             | Steel              |

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



### Design data

|                      |           |
|----------------------|-----------|
| Length L1            | 126.00 mm |
| Width B1             | 67.00 mm  |
| Height H             | 39.50 mm  |
| Nominal diameter dn  | 4.00 mm   |
| Thread G1            | M10-M     |
| Thread length LG1    | 10.0 mm   |
| Key width SW1        | 17.0 mm   |
| Spring stroke Z      | 16.5 mm   |
| Suction cup width Bs | 70.10 mm  |
| Ls                   | 141.10 mm |
| Lmax.(S)             | 146.00 mm |
| Bmax(S)              | 75.00 mm  |

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

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**Technical data**

|                                |                         |
|--------------------------------|-------------------------|
| Suction cup material           | Nitrile rubber NBR      |
| Material hardness [Shore A]    | 60.0 Shore A            |
| Hose inner diameter (recom.) d | 6.0 mm                  |
| Workpiece radius min. (convex) | 70.0 mm                 |
| Pull-off force                 | 355.20 N                |
| Suction force (-600mbar)       | 165.00 N                |
| Weight                         | 120.70 g                |
| Dimension (LxW)                | 140 x 70                |
| Lateral force                  | 472.7 N                 |
| Lateral force oily surface     | 245.6 N                 |
| Volume                         | 106.000 cm <sup>3</sup> |
| Number of folds                | 1.5                     |
| 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 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

