

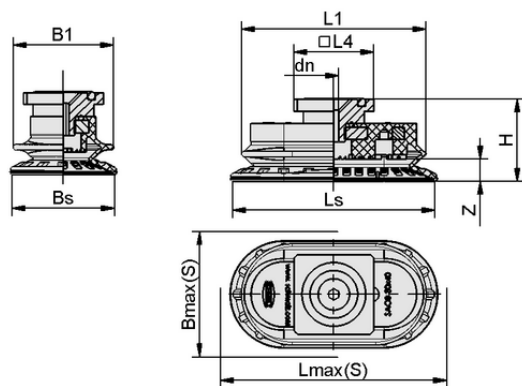


## Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60.0 Shore A       |
| Dimension (LxW)             | 110 x 55           |
| Number of folds             | 1.5                |
| Connection                  | RA                 |
| Nipple material             | Aluminum           |

SAOB 110x55 NBR-60 RA

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



## Design data

| Attribute            | Value     |
|----------------------|-----------|
| Length L1            | 98.80 mm  |
| Width B1             | 53.00 mm  |
| Height H             | 38.50 mm  |
| Nominal diameter dn  | 6.00 mm   |
| Spring stroke Z      | 12.0 mm   |
| Length L4            | 31.80 mm  |
| Suction cup width Bs | 55.10 mm  |
| Ls                   | 110.10 mm |
| Lmax.(S)             | 114.00 mm |
| Bmax(S)              | 59.00 mm  |

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

Design data SAOB 110x55 NBR-60 RA

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**Technical data**

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| 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) | 50.0 mm                |
| Pull-off force                 | 233.50 N               |
| Suction force (-600mbar)       | 110.00 N               |
| Weight                         | 84.2 g                 |
| Dimension (LxW)                | 110 x 55               |
| Lateral force                  | 299.2 N                |
| Lateral force oily surface     | 123.6 N                |
| Volume                         | 53.100 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

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.00912](http://www.schmalz.com/10.01.06.00912)

