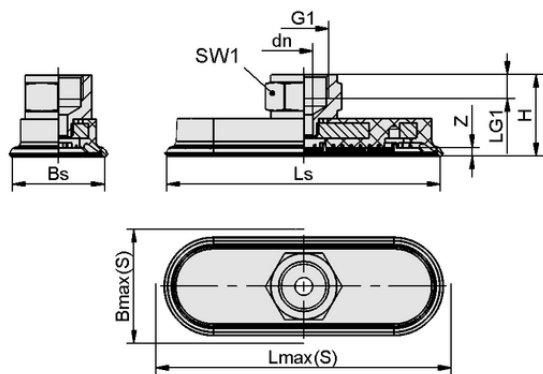


**Technical data**

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45.0 Shore A       |
| Connection                  | G3/8-IG            |
| Dimension (LxW)             | 120x60             |
| Nipple material             | Nickel plated      |

SAOF 120x60 NBR-45 G3/8-IG

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

**Design data**

| Attribute            | Value     |
|----------------------|-----------|
| Height H             | 32.00 mm  |
| Nominal diameter dn  | 8.00 mm   |
| Thread G1            | G3/8"-F   |
| Thread length LG1    | 9.0 mm    |
| Key width SW1        | 22.0 mm   |
| Spring stroke Z      | 6.0 mm    |
| Suction cup width Bs | 57.60 mm  |
| Ls                   | 126.60 mm |
| Lmax.(S)             | 128.00 mm |
| Bmax(S)              | 65.00 mm  |

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

Design data SAOF 120x60 NBR-45 G3/8-IG

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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 | 6.0 mm                 |
| Workpiece radius min. (convex) | 75.0 mm                |
| Suction force (-600mbar)       | 312.00 N               |
| Weight                         | 99.0 g                 |
| Lateral force                  | 254.0 N                |
| Lateral force oily surface     | 170.0 N                |
| Volume                         | 39.900 cm <sup>3</sup> |
| Number of folds                | 0.0                    |
| Product family                 | SAOF                   |
| Dimension (LxW)                | 120x60                 |

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/10.01.05.00596](http://www.schmalz.com/10.01.05.00596)

