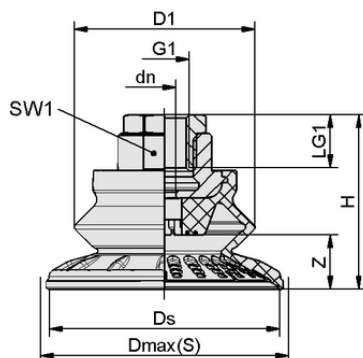




SAB 60 NBR-60 G1/4-IG

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



Design data SAB 60 NBR-60 G1/4-IG

## Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60.0 Shore A       |
| Size                        | 60.00              |
| Number of folds             | 1.5                |
| Connection                  | G1/4-IG            |
| Nipple material             | Nickel plated      |

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 46.30 mm |
| Outside diameter D1 | 48.0 mm  |
| Nominal diameter dn | 6.00 mm  |
| Thread G1           | G1/4"-F  |
| Thread length LG1   | 20.0 mm  |
| Key width SW1       | 22.0 mm  |
| Spring stroke Z     | 14.5 mm  |
| Diameter Ds         | 61.1 mm  |
| Diameter Dmax(S)    | 67.0 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]    | 60.0 Shore A           |
| Hose inner diameter (recom.) d | 6.0 mm                 |
| Workpiece radius min. (convex) | 65.0 mm                |
| Pull-off force                 | 130.00 N               |
| Suction force (-600mbar)       | 82.00 N                |
| Weight                         | 52.90 g                |
| Lateral force                  | 145.0 N                |
| Lateral force oily surface     | 77.0 N                 |
| Volume                         | 28.800 cm <sup>3</sup> |
| Size                           | 60.00                  |
| Number of folds                | 1.5                    |
| Product family                 | SAB                    |

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/10.01.06.00852](http://www.schmalz.com/10.01.06.00852)

