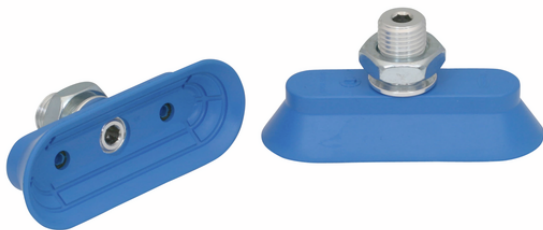


Art.-Nr.: 10.01.01.11655



SAOG 80x30 NBR-45 M14x1.5-AG

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

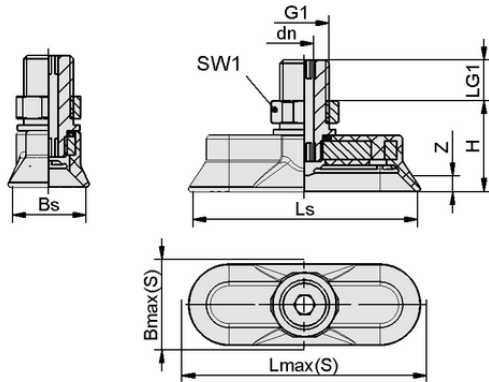
### Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45.0 Shore A       |
| Dimension (LxW)             | 80 x 30            |
| Connection                  | M14x1.5-AG         |
| Nipple material             | Aluminum           |

### Design data

| Attribute            | Value     |
|----------------------|-----------|
| Height H             | 26.50 mm  |
| Nominal diameter dn  | 5.20 mm   |
| Thread G1            | M14x1.5-M |
| Thread length LG1    | 10.0 mm   |
| Key width SW1        | 22.0 mm   |
| Spring stroke Z      | 10.0 mm   |
| Suction cup width Bs | 30.00 mm  |
| Ls                   | 80.00 mm  |
| Lmax.(S)             | 86.00 mm  |
| Bmax(S)              | 36.00 mm  |

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



Design data SAOG 80x30 NBR-45 M14x1.5-AG



Art.-Nr.: 10.01.01.11655

**Technical data**

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| Suction cup material           | Nitrile rubber NBR     |
| Hose inner diameter (recom.) d | 4.0 mm                 |
| Workpiece radius min. (convex) | 20.0 mm                |
| Suction force (-600mbar)       | 105.00 N               |
| Weight                         | 44.70 g                |
| Dimension (LxW)                | 80 x 30                |
| Lateral force                  | 65.0 N                 |
| Lateral force oily surface     | 45.0 N                 |
| Volume                         | 13.200 cm <sup>3</sup> |
| Number of folds                | 0.0                    |
| Product family                 | SAOG                   |

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/10.01.01.11655](http://www.schmalz.com/10.01.01.11655)

