

## Bellows suction cup (oval)

SAOB 110x55 NBR-60 G1/4-IG

Part no.:10.01.06.00900

<https://www.schmalz.com/10.01.06.00900>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Bellows Suction Cups SAOB HT2 (Oval, 1.5 Folds) > SAOB 110x55 NBR-60 G1/4-IG

### Bellows suction cup (oval) for high dynamic on curved, oily surfaced workpieces



Dimensions (LxB): 110 x 55

Suction cup material: Nitrile rubber NBR

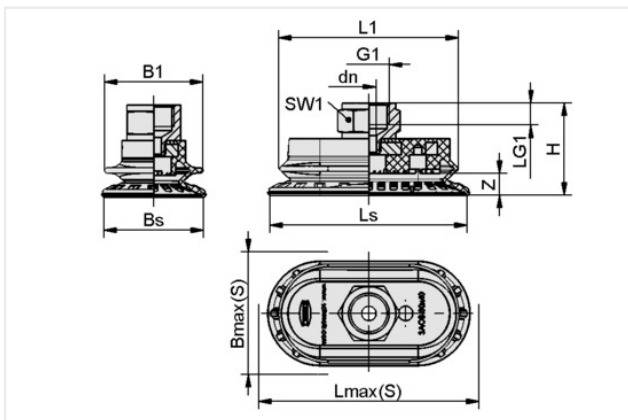
Material hardness [Shore A]: 60 Shore A

Nipple material: Nickel plated

Connection: G1/4-IG

Number of folds: 1.5

### Design Data



| Attribute  | Value     |
|------------|-----------|
| B1         | 53 mm     |
| Bmax(S)    | 59 mm     |
| Bs         | 55.10 mm  |
| dn         | 8 mm      |
| G1         | G1/4"-F   |
| H          | 43 mm     |
| L1         | 98.80 mm  |
| LG1        | 8 mm      |
| Lmax(S)    | 114 mm    |
| Ls         | 110.10 mm |
| SW1        | 17 mm     |
| Z (Stroke) | 12 mm     |

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

### Technical Data

| Attribute                    | Value                 |
|------------------------------|-----------------------|
| Suction force (-600mbar)     | 110 N                 |
| Pull-off force               | 233.50 N              |
| Lateral force                | 299.20 N              |
| Lateral force (oily surface) | 123.60 N              |
| Volume                       | 53.10 cm <sup>3</sup> |

### Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Bellows suction cup (oval)

SAOB 110x55 NBR-60 G1/4-IG

Part no.:10.01.06.00900

<https://www.schmalz.com/10.01.06.00900>

|                             |                    |
|-----------------------------|--------------------|
| Curve radius (min) (convex) | 50 mm              |
| Hose diameter (rec.) d      | 6 mm               |
| Dimensions (LxB)            | 110 x 55           |
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60 Shore A         |
| Number of folds             | 1.50               |
| Weight                      | 84.20 g            |
| 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 flat 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