

## Bellows suction cup (oval)

SAOB 80x40 HT1-60 G1/4-AG

Part no.:10.01.06.03203

<https://www.schmalz.com/10.01.06.03203>

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



Dimensions (LxB): 80 x 40

Suction cup material: High temperature material HT1

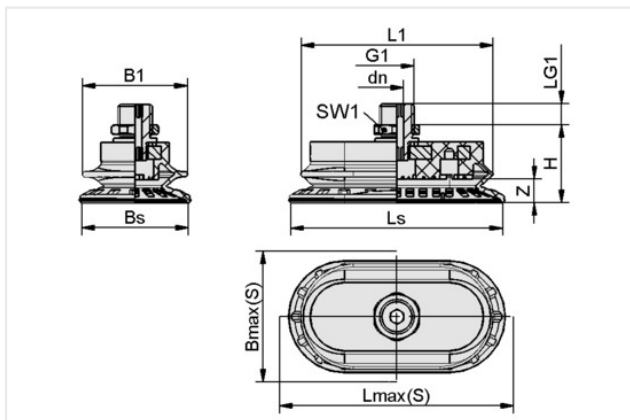
Material hardness [Shore A]: 60 Shore A

Nipple material: Aluminum

Connection: G1/4-AG

Number of folds: 1.5

### Design Data



| Attribute  | Value    |
|------------|----------|
| B1         | 40 mm    |
| Bmax(S)    | 43 mm    |
| Bs         | 40.60 mm |
| dn         | 5 mm     |
| G1         | G1/4"-M  |
| H          | 29.70 mm |
| L1         | 73.30 mm |
| LG1        | 8 mm     |
| Lmax(S)    | 83 mm    |
| Ls         | 80.60 mm |
| SW1        | 17 mm    |
| Z (Stroke) | 9 mm     |

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

### Technical Data

| Attribute                    | Value                 |
|------------------------------|-----------------------|
| Suction force (-600mbar)     | 65 N                  |
| Pull-off force               | 131.70 N              |
| Lateral force                | 152.80 N              |
| Lateral force (oily surface) | 73.60 N               |
| Volume                       | 21.80 cm <sup>3</sup> |

### Contact Schmalz

Schmalz s.r.o. | Družstevní 2169, 75301 Hranice, Czech Republic | +420 581 621 021 | [schmalz@schmalz.cz](mailto:schmalz@schmalz.cz)

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|                             |                               |
|-----------------------------|-------------------------------|
| Curve radius (min) (convex) | 25 mm                         |
| Hose diameter (rec.) d      | 6 mm                          |
| Dimensions (LxB)            | 80 x 40                       |
| Number of folds             | 1.50                          |
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60 Shore A                    |
| Weight                      | 34.90 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