

## Bellows suction cup (round)

SAB 125 NBR-60 G3/8-IG

Part no.: 10.01.06.00680

<https://www.schmalz.com/10.01.06.00680>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups SAB (1.5 Folds) > SAB 125 NBR-60 G3/8-IG

### Bellows suction cup (round) for very dynamic handling of smooth and oily workpieces



Size: 125

Suction cup material: Nitrile rubber NBR

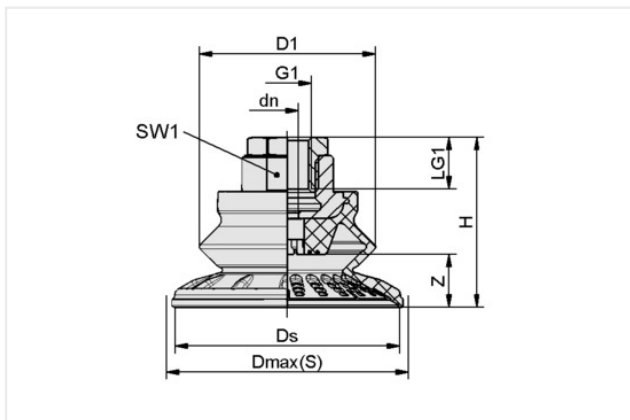
Material hardness [Shore A]: 60 Shore A

Nipple material: Aluminum

Connection: G3/8-IG

Number of folds: 1.5

### Design Data



| Attribute  | Value    |
|------------|----------|
| dn         | 9 mm     |
| D1         | 94 mm    |
| Dmax(S)    | 135 mm   |
| Ds         | 126 mm   |
| G1         | G3/8"-F  |
| H          | 67.80 mm |
| LG1        | 15 mm    |
| SW1        | 22 mm    |
| Z (Stroke) | 32 mm    |

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

### Technical Data

| Attribute                    | Value               |
|------------------------------|---------------------|
| Suction force (-600mbar)     | 250 N               |
| Pull-off force               | 558 N               |
| Lateral force                | 410 N               |
| Lateral force (oily surface) | 335 N               |
| Volume                       | 220 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 140 mm              |
| Hose diameter (rec.) d       | 9 mm                |

### 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 (round)

SAB 125 NBR-60 G3/8-IG

Part no.:10.01.06.00680

<https://www.schmalz.com/10.01.06.00680>

|                             |                    |
|-----------------------------|--------------------|
| Size                        | 125                |
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60 Shore A         |
| Weight                      | 170.20 g           |
| Product family              | SAB                |
| Number of folds             | 1.50               |

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

---