# Bellows suction cup (round)

SAB 125 NBR-60 G1/4-IG

Part no..:10.01.06.00854

https://www.schmalz.com/10.01.06.00854

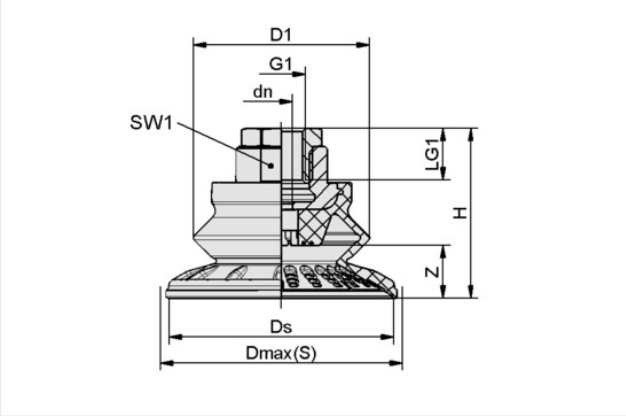
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## Bellows suction cup (round) for very dynamic handling of smooth and oily workpieces



- Size: 125
- Suction cup material: Nitrile rubber NBR
- Material hardness [Shore A]: 60 Shore A
- Nipple material: Nickel plated
- Connection: G1/4-IG
- Number of folds: 1.5

## Design Data




| Attribute | Value |
|---|---|
| dn | 6 mm |
| D1 | 94 mm |
| Dmax(S) | 135 mm |
| Ds | 126 mm |
| G1 | G1/4"-F |
| H | 72.80 mm |
| LG1 | 20 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 $cm^3$ |
| Curve radius (min) (convex) | 140 mm |
| Hose diameter (rec.) d | 9 mm |

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| | |
|---|---|
| Size | 125 |
| Suction cup material | Nitrile rubber NBR |
| Material hardness [Shore A] | 60 Shore A |
| Weight | 183.10 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