

## Flat suction cup (round)

SAF 50 NBR-60 G3/8-IG

Part no.:10.01.01.10510

<https://www.schmalz.com/10.01.01.10510>

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



Size: 50

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 60 Shore A

Nipple material: Aluminum

Connection: G3/8-IG

### Design Data



| Attribute  | Value   |
|------------|---------|
| dn         | 6 mm    |
| Dmax(S)    | 56 mm   |
| Ds         | 50 mm   |
| G1         | G3/8"-F |
| H          | 28 mm   |
| LG1        | 15 mm   |
| SW1        | 22 mm   |
| Z (Stroke) | 5 mm    |

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

### Technical Data

| Attribute                    | Value                |
|------------------------------|----------------------|
| Suction force (-600mbar)     | 100 N                |
| Lateral force                | 80 N                 |
| Lateral force (oily surface) | 76 N                 |
| Volume                       | 9.48 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 65 mm                |
| Hose diameter (rec.) d       | 4 mm                 |
| Size                         | 50                   |

### Contact Schmalz

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|                             |                    |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60 Shore A         |
| Weight                      | 30.70 g            |
| Number of folds             | 0                  |
| Product family              | SAF                |

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

### Accessories



#### SU 50

Part no.:10.01.01.12837

Size: 50

Clamping range: 45.0 ... 60.0 mm

Temperature resistance: 80 °C