

## Flat suction cup (oval)

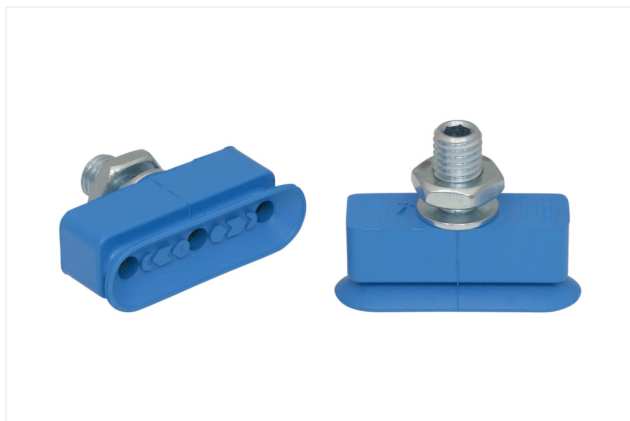
SAOF 50x16 NBR-45 M10-AG

Part no.:10.01.05.00555

<https://www.schmalz.com/10.01.05.00555>

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



Dimensions (LxB): 50x16

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Steel

Connection: M10-AG

### Design Data



| Attribute  | Value    |
|------------|----------|
| Bmax(S)    | 18 mm    |
| Bs         | 14.60 mm |
| dn         | 4 mm     |
| G1         | M10-M    |
| H          | 26 mm    |
| LG1        | 10 mm    |
| Lmax(S)    | 52 mm    |
| Ls         | 48.60 mm |
| SW1        | 16 mm    |
| Z (Stroke) | 3 mm     |

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

### Technical Data

| Attribute                    | Value                |
|------------------------------|----------------------|
| Suction force (-600mbar)     | 31 N                 |
| Lateral force                | 24 N                 |
| Lateral force (oily surface) | 12 N                 |
| Volume                       | 2.27 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 7.50 mm              |
| Hose diameter (rec.) d       | 4 mm                 |
| Number of folds              | 0                    |

### Contact Schmalz

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|                             |                    |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45 Shore A         |
| Weight                      | 37 g               |
| Product family              | SAOF               |
| Dimensions (LxB)            | 50x16              |

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