

## Flat suction cup (oval)

SAOF 100x50 NBR-60 M14x1.5-AG

Part no.:10.01.05.00347

<https://www.schmalz.com/10.01.05.00347>

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



Dimensions (LxB): 100x50

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 60 Shore A

Nipple material: Aluminum

Connection: M14x1.5-AG

### Design Data



| Attribute  | Value     |
|------------|-----------|
| Bmax(S)    | 54 mm     |
| Bs         | 48.10 mm  |
| dn         | 6 mm      |
| G1         | M14x1.5-M |
| H          | 24 mm     |
| LG1        | 10 mm     |
| Lmax(S)    | 106 mm    |
| Ls         | 101.10 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)     | 217 N                 |
| Lateral force                | 181 N                 |
| Lateral force (oily surface) | 121 N                 |
| Volume                       | 21.80 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 75 mm                 |
| Hose diameter (rec.) d       | 6 mm                  |
| Number of folds              | 0                     |

### Contact Schmalz

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|                             |                    |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 60 Shore A         |
| Weight                      | 76 g               |
| Product family              | SAOF               |
| Dimensions (LxB)            | 100x50             |

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