

## Flat suction cup (oval)

SAOF 90x30 NBR-60 G1/4-IG

Part no.:10.01.05.00266

<https://www.schmalz.com/10.01.05.00266>

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



Dimensions (LxB): 90x30

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 60 Shore A

Nipple material: Nickel plated

Connection: G1/4-IG

### Design Data



| Attribute  | Value    |
|------------|----------|
| Bmax(S)    | 34 mm    |
| Bs         | 30.60 mm |
| dn         | 6 mm     |
| G1         | G1/4"-F  |
| H          | 26 mm    |
| LG1        | 8 mm     |
| Lmax(S)    | 94 mm    |
| Ls         | 90.60 mm |
| SW1        | 17 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)     | 122 N                 |
| Lateral force                | 96 N                  |
| Lateral force (oily surface) | 64 N                  |
| Volume                       | 10.10 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 40 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] | 60 Shore A         |
| Weight                      | 47 g               |
| Product family              | SAOF               |
| Dimensions (LxB)            | 90x30              |

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

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