

## Flat suction cup (oval)

SAOF 80x40 NBR-45 RA

Part no.:10.01.05.00580

<https://www.schmalz.ru/10.01.05.00580>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Flat Suction Cups SAOF (Oval) > SAOF 80x40 NBR-45 RA

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



Dimensions (LxB): 80x40

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: RA

### Design Data



| Attribute  | Value    |
|------------|----------|
| Bmax(S)    | 43 mm    |
| Bs         | 38.60 mm |
| dn         | 4 mm     |
| H          | 23 mm    |
| L4         | 32 mm    |
| Lmax(S)    | 85 mm    |
| Ls         | 80.60 mm |
| Z (Stroke) | 4 mm     |

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

### Technical Data

| Attribute                    | Value                 |
|------------------------------|-----------------------|
| Suction force (-600mbar)     | 140 N                 |
| Lateral force                | 110 N                 |
| Lateral force (oily surface) | 100 N                 |
| Volume                       | 11.70 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 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                      | 44 g               |
| Product family              | SAOF               |
| Dimensions (LxB)            | 80x40              |

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