

## Flat suction cup (round)

SAF 100 NBR-45 M14x1.5-AG

Part no.: 10.01.01.11477

<https://www.schmalz.co.jp/10.01.01.11477>

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



Size: 100

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: M14x1.5-AG

### Design Data



| Attribute  | Value     |
|------------|-----------|
| dn         | 6 mm      |
| Dmax (S)   | 110 mm    |
| Ds         | 103 mm    |
| G1         | M14x1.5-M |
| H          | 36 mm     |
| LG1        | 12 mm     |
| SW1        | 22 mm     |
| Z (Stroke) | 9.50 mm   |

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

### Technical Data

| Attribute                    | Value                 |
|------------------------------|-----------------------|
| Suction force (-600mbar)     | 430 N                 |
| Lateral force                | 310 N                 |
| Lateral force (oily surface) | 300 N                 |
| Volume                       | 59.90 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 135 mm                |
| Hose diameter (rec.) d       | 6 mm                  |
| Size                         | 100                   |

### Contact Schmalz

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|                             |                    |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45 Shore A         |
| Weight                      | 77.30 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 100

Part no.: 10.01.01.12840

Size: 100

Clamping range: 100.0 ... 115.0 mm

Temperature resistance: 80 ° C