

## Flat suction cup (round)

SAF 60 NBR-45 M10-AG

Part no.: 10.01.01.11454

<https://www.schmalz.co.jp/10.01.01.11454>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Flat Suction Cups SAF > SAF 60 NBR-45 M10-AG

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



Size: 60

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Steel

Connection: M10-AG

### Design Data



| Attribute  | Value    |
|------------|----------|
| dn         | 4 mm     |
| Dmax (S)   | 67 mm    |
| Ds         | 60.60 mm |
| G1         | M10-M    |
| H          | 31 mm    |
| LG1        | 12 mm    |
| SW1        | 22 mm    |
| Z (Stroke) | 6 mm     |

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

### Technical Data

| Attribute                    | Value                 |
|------------------------------|-----------------------|
| Suction force (-600mbar)     | 150 N                 |
| Lateral force                | 105 N                 |
| Lateral force (oily surface) | 85 N                  |
| Volume                       | 16.70 cm <sup>3</sup> |
| Curve radius (min) (convex)  | 75 mm                 |
| Hose diameter (rec.) d       | 6 mm                  |
| Size                         | 60                    |

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)

## Flat suction cup (round)

SAF 60 NBR-45 M10-AG

Part no.: 10.01.01.11454

<https://www.schmalz.co.jp/10.01.01.11454>

Suction cup material Nitrile rubber NBR

Material hardness [Shore A] 45 Shore A

Weight 60.70 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 60

Part no.: 10.01.01.13585

Size: 60

Clamping range: 60.0 ... 70.0 mm

Temperature resistance: 80 ° C