

Flat suction cup (round)

## SAF 30 NBR-45 G3/8-IG



Art.-Nr.: 10.01.01.11420

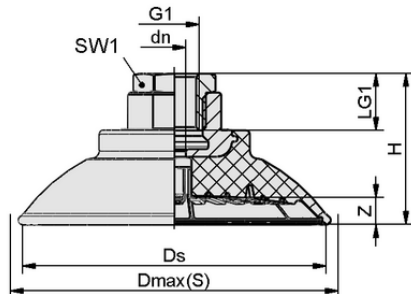


SAF 30 NBR-45 G3/8-IG

Suction cup SAF, available in various diameters, is delivered with connection nipple vulcanized to elastomer part.

### Technical data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 45.0 Shore A       |
| Size                        | 30.00              |
| Connection                  | G3/8-IG            |
| Nipple material             | Nickel plated      |



Design data SAF 30 NBR-45 G3/8-IG

### Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 36.00 mm |
| Nominal diameter dn | 4.00 mm  |
| Thread G1           | G3/8"-F  |
| Thread length LG1   | 9.0 mm   |
| Key width SW1       | 22.0 mm  |
| Spring stroke Z     | 3.0 mm   |
| Diameter Ds         | 31.0 mm  |
| Diameter Dmax(S)    | 34.0 mm  |

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



[WWW.SCHMALZ.COM/10.01.01.11420](http://WWW.SCHMALZ.COM/10.01.01.11420)

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**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Nitrile rubber NBR    |
| Material hardness [Shore A]    | 45.0 Shore A          |
| Hose inner diameter (recom.) d | 4.0 mm                |
| Workpiece radius min. (convex) | 40.0 mm               |
| Suction force (-600mbar)       | 38.00 N               |
| Weight                         | 42.6 g                |
| Lateral force                  | 30.0 N                |
| Lateral force oily surface     | 28.0 N                |
| Volume                         | 1.700 cm <sup>3</sup> |
| Size                           | 30.00                 |
| Number of folds                | 0.0                   |
| 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 even 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

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.01.11420](http://www.schmalz.com/10.01.01.11420)

**Ordering Data Accessories 10.01.01.11420**

| Typ               | Item number    |
|-------------------|----------------|
| Suction cup cover | 10.01.01.12889 |

