

## Flat suction cup (round)

SUF 18 HT1-60 G1/8-AG

Part no.:10.01.01.14146

<https://www.schmalz.com/10.01.01.14146>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Flat Suction Cups (Round) > Flat Suction Cups SUF > SUF 18 HT1-60 G1/8-AG

### Flat suction cup (round) for process safe handling of smooth or slightly rough surfaces



Size: 18

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

Vacuum connection: G1/8"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| Dmax(S)    | 20.60 mm |
| Ds         | 18 mm    |
| dn         | 3.10 mm  |
| G1         | G1/8"-M  |
| H          | 15.30 mm |
| LG1        | 7.50 mm  |
| SW1        | 14 mm    |
| Z (Stroke) | 1.80 mm  |

### Technical Data

| Attribute                   | Value                         |
|-----------------------------|-------------------------------|
| Suction force (-600mbar)    | 13 N                          |
| Pull-off force              | 13 N                          |
| Volume                      | 0.37 cm <sup>3</sup>          |
| Curve radius (min) (convex) | 20 mm                         |
| Hose diameter (rec.) d      | 4 mm                          |
| Size                        | 18                            |
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60 Shore A                    |

### Contact Schmalz

Schmalz B.V. | Generatorstraat 34, 7556 RC Hengelo, Netherlands | +31 74 255 5757 | [info@schmalz.nl](mailto:info@schmalz.nl)

## Flat suction cup (round)

SUF 18 HT1-60 G1/8-AG

Part no.:10.01.01.14146

<https://www.schmalz.com/10.01.01.14146>

|                 |        |
|-----------------|--------|
| Weight          | 5.10 g |
| Product family  | SUF    |
| Number of folds | 0      |

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 Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

### Spare parts



#### SC 030 G1/8-AG

Part no.:10.01.06.04288

Connection geometry: 030

Vacuum connection: G1/8"-M

Fitting length: 6 mm

Nominal diameter dn: 3.1 mm



#### SUF 18 HT1-60 SC030

Part no.:10.01.01.13990

Size: 18

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

### Contact Schmalz

Schmalz B.V. | Generatorstraat 34, 7556 RC Hengelo, Netherlands | +31 74 255 5757 | [info@schmalz.nl](mailto:info@schmalz.nl)