

## Flat suction cup (round)

SUF 18 SI-CO-55 G1/8-IG

Part no.: 10.01.01.14142

<https://www.schmalz.com/10.01.01.14142>

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



Size: 18

Suction cup material: Silicone SI conductive

Material hardness [Shore A]: 55 Shore A

Vacuum connection: G1/8"-F

### Design Data



| Attribute  | Value    |
|------------|----------|
| Dmax(S)    | 20.60 mm |
| Ds         | 18 mm    |
| dn         | 3.10 mm  |
| G1         | G1/8"-F  |
| H          | 23.30 mm |
| LG1        | 8 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        | Silicone SI conductive |
| Material hardness [Shore A] | 55 Shore A             |

### Contact Schmalz

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|                 |        |
|-----------------|--------|
| Weight          | 6.10 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-IG

Part no.:10.01.06.04307

Connection geometry: 030

Vacuum connection: G1/8"-F

Fitting length: 14 mm

Nominal diameter dn: 3.1 mm



#### SUF 18 SI-CO-55 SC030

Part no.:10.01.01.14035

Size: 18

Suction cup material: Silicone SI conductive

Material hardness [Shore A]: 55 Shore A