

## Flat suction cup (round)

PFYN 50 SI-55 G1/8-AG

Part no.:10.01.01.00161

<https://www.schmalz.com/10.01.01.00161>

Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Flat suction cup (round) > Flat Suction

Cups PFYN > PFYN 50 SI-55 G1/8-AG

### Flat suction cup (round) for smooth or slightly rough surfaces



Size: 50

Suction cup material: Silicone SI

Material hardness: 55 °Sh

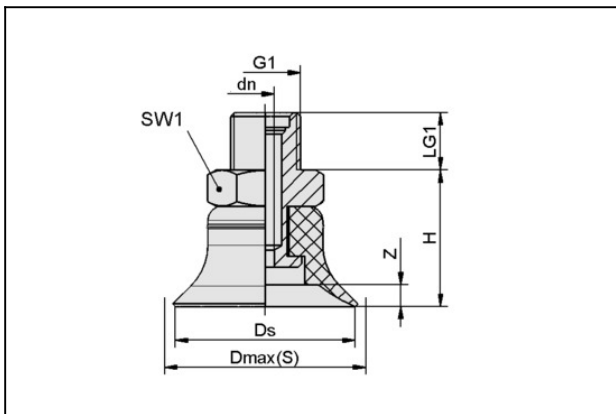
Material characteristics:

FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/8"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| dn         | 2.4 mm   |
| Dmax(S)    | 53.5 mm  |
| Ds         | 50 mm    |
| G1         | G1/8"-AG |
| H          | 20 mm    |
| LG1        | 8 mm     |
| SW1        | 14 mm    |
| Z (Stroke) | 4 mm     |

### Technical Data

## Flat suction cup (round)

### PFYN 50 SI-55 G1/8-AG

Part no.:10.01.01.00161

<https://www.schmalz.com/10.01.01.00161>

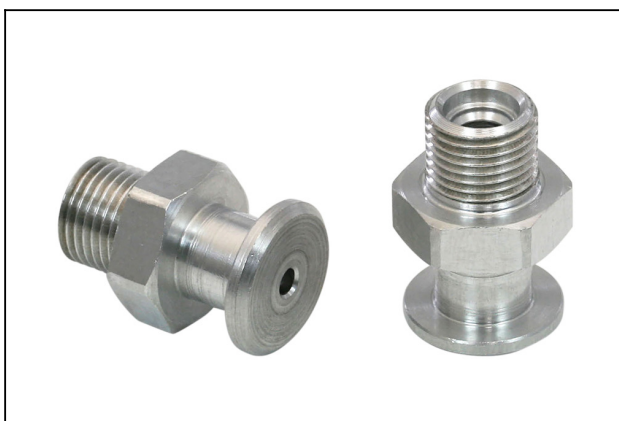


| Attribute                   | Value             |
|-----------------------------|-------------------|
| Suction force (-600mbar)    | 91 N              |
| Volume                      | 7 cm <sup>3</sup> |
| Curve radius (min) (convex) | 75 mm             |
| Hose diameter (empf.) d     | 4 mm              |
| Size                        | 50                |
| Number of folds             | 0                 |
| Suction cup material        | Silicone SI       |
| Material hardness [Shore A] | 55 Shore A        |
| Weight                      | 15.3 g            |
| Product family              | PFYN              |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry 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



### SA-NIP N008 G1/8-AG DN350

Part no.10.01.01.03532

Suction cup connection nipple

Nipple: N 008

Thread G1: G1/8"-M

Overall length: 22 mm

Fitting length: 5 mm

Nominal size: 3,50 mm

Material: Aluminium

Spanner size SW2: 4 mm

## Flat suction cup (round)

PFYN 50 SI-55 G1/8-AG

Part no.:10.01.01.00161

<https://www.schmalz.com/10.01.01.00161>



### PFG 50 SI-55 N008

Part no.10.01.01.00037

Flat suction cup (round) for smooth or slightly rough surfaces

Size: 50

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

## Accessories



### SU 50

Part no.10.01.01.12837

Cover for suction cup

Size: 50

Clamping range: 45.0 ... 60.0 mm

Temperature resistance: 80 °C