

## Bellows suction cup (round)

SPB4 30 SI-55 SC080

Part no.:10.01.06.02589

<https://www.schmalz.com/10.01.06.02589>

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### Bellows suction cup (round) with 4.5 folds for process reliable handling of pouches and flex. prod.



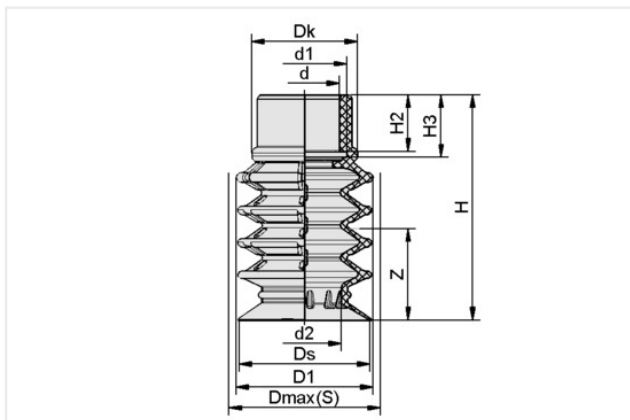
Size: 30

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Number of folds: 4.5

### Design Data



| Attribute  | Value    |
|------------|----------|
| d          | 16 mm    |
| d1         | 19.60 mm |
| d2         | 17 mm    |
| D1         | 31 mm    |
| Dk         | 24.40 mm |
| Dmax(S)    | 31.50 mm |
| Ds         | 30.20 mm |
| H          | 52 mm    |
| H2         | 13 mm    |
| H3         | 14.40 mm |
| Z (Stroke) | 20 mm    |

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

### Technical Data

| Attribute                   | Value   |
|-----------------------------|---------|
| Suction force at -200 mbar  | 5.30 N  |
| Suction force at -400 mbar  | 10.60 N |
| Suction force (-600mbar)    | 16 N    |
| Pull-off force at -200 mbar | 9.90 N  |
| Pull-off force at -400 mbar | 13 N    |

### Contact Schmalz

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|                             |                       |
|-----------------------------|-----------------------|
| Volume                      | 15.61 cm <sup>3</sup> |
| Size                        | 30                    |
| Nipple family               | SC 080                |
| Number of folds             | 4.50                  |
| Suction cup material        | Silicone SI           |
| Material hardness [Shore A] | 55 Shore A            |
| Weight                      | 9.30 g                |
| Product family              | SPB4                  |

Note: Suction force: The specified suction forces are theoretical values with a dry, smooth and flat workpiece surface - they do not include a safety factor

### Accessories



#### SC 080 G1/4-AG

Part no...:10.01.06.03268

Connection geometry: 080

Vacuum connection: G1/4"-M

Length L1: 32 mm

Fitting length: 7.5 mm

Nominal diameter dn: 8 mm



#### SC 080 G1/4-IG

Part no...:10.01.06.03271

Connection geometry: 080

Vacuum connection: G1/4"-F

Length L1: 32 mm

Fitting length: 17.5 mm

Nominal diameter dn: 11 mm

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### SC 080 G1/8-AG

Part no...:10.01.06.03142

Connection geometry: 080

Vacuum connection: G1/8"-M

Length L1: 28 mm

Fitting length: 7.5 mm

Nominal diameter dn: 4 mm



### SC 080 G1/8-IG

Part no...:10.01.06.03270

Connection geometry: 080

Vacuum connection: G1/8"-F

Length L1: 32 mm

Fitting length: 17.5 mm

Nominal diameter dn: 8.6 mm



### SC 080 G3/8-AG

Part no...:10.01.06.02593

Connection geometry: 080

Vacuum connection: G3/8"-M

Length L1: 32 mm

Fitting length: 7.5 mm

Nominal diameter dn: 10.3 mm

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### SC 080 G3/8-IG

Part no...:10.01.06.02594

Connection geometry: 080

Vacuum connection: G3/8"-F

Length L1: 32 mm

Fitting length: 17.5 mm

Nominal diameter dn: 11 mm



### SIEB 17x0.8 MS-A2 103 0.103/0.07

Part no...:10.07.01.00320

External diameter D: 17 mm

Length L: 0.8 mm

Material: Brass / Stainless steel

Filter pore size: 103 µm



### SPI 24 PE SPB4-30

Part no...:10.01.06.02855

Size: 24

Material: Polyethylene

Use: SPB4-30

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### SPSE 30

Part no...:10.01.06.02953

Size: 30



### SSB 16-27 ST-VZ

Part no...:10.07.10.00002

Clamping range: 16.0 ... 27.0 mm

Material: Steel

Surface: galvanised



### SC 080 NPT1/4-AG

Part no...:10.01.06.03662

Connection geometry: 080

Vacuum connection: NPT1/4-M

Length L1: 32.2 mm

Fitting length: 7.5 mm

Nominal diameter dn: 8 mm

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### SC 080 NPT1/4-IG

Part no...:10.01.06.03663

Connection geometry: 080

Vacuum connection: NPT1/4-F

Length L1: 32 mm

Fitting length: 17.5 mm

Nominal diameter dn: 10.3 mm



### SC 080 NPT3/8-AG

Part no...:10.01.06.03664

Connection geometry: 080

Vacuum connection: NPT3/8-M

Length L1: 32.4 mm

Fitting length: 7.5 mm

Nominal diameter dn: 10.3 mm



### SC 080 NPT3/8-IG

Part no...:10.01.06.03665

Connection geometry: 080

Vacuum connection: NPT3/8-F

Length L1: 32 mm

Fitting length: 17.5 mm

Nominal diameter dn: 10.3 mm