

## Bellows suction cups SI-HD (round)

FSGA 6 SI-HD-65 M5-IG

Part no.: 10.01.06.04174

<https://www.schmalz.co.jp/10.01.06.04174>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for the Packaging Industry > Bellows Suction Cups FSGA SI-HD (1.5 Folds) > FSGA 6 SI-HD-65 M5-IG

### Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 6

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

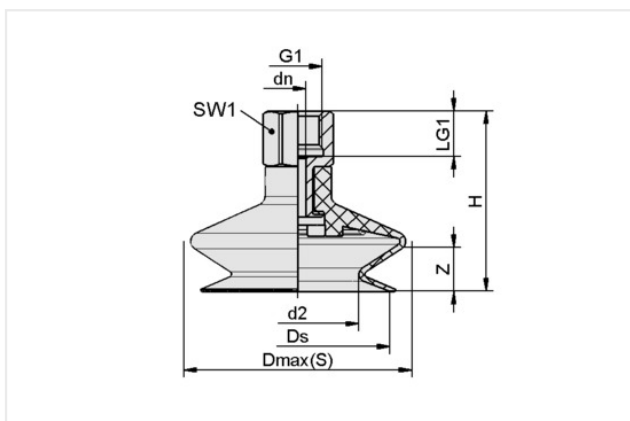
Nipple material: Aluminum

Connection: M5-F

Number of folds: 1.5

Vacuum connection: M5-F

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 3 mm    |
| Dmax (S)   | 8 mm    |
| dn         | 2 mm    |
| Ds         | 5.70 mm |
| G1         | M5-F    |
| H          | 19 mm   |
| LG1        | 5.50 mm |
| SW1        | 8 mm    |
| Z (Stroke) | 2 mm    |

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

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Silicone SI-HD       |
| Material hardness [Shore A] | 65 Shore A           |
| Size                        | 6                    |
| Number of folds             | 1.50                 |
| Connection                  | M5-IG                |
| Curve radius (min) (convex) | 2 mm                 |
| Volume                      | 0.10 cm <sup>3</sup> |

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)

## Bellows suction cups SI-HD (round)

FSGA 6 SI-HD-65 M5-IG

Part no.: 10.01.06.04174

<https://www.schmalz.co.jp/10.01.06.04174>

|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.40 N |
| Pull-off force           | 1.40 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 1.50 g |
| Product family           | FSGA   |

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 Pull-off force: The pull-off force of the versions made of natural rubber is reduced by about 40% Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

### Accessories



#### SPI 6 PEEK

Part no.: 10.01.06.03279

Size: 6

Material: Polyetheretherketon

### Spare parts



#### SA-NIP N004 M5-IG DN200

Part no.: 10.01.01.03518

Thread G1: M5-F

Length L1: 14 mm

Fitting length: 10 mm

Material: Aluminum

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)

## Bellows suction cups SI-HD (round)

FSGA 6 SI-HD-65 M5-IG

Part no.: 10.01.06.04174

<https://www.schmalz.co.jp/10.01.06.04174>



FGA 6 SI-HD-65 N004

Part no.: 10.01.06.03442

Size: 6

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

Number of folds: 1.5

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)