

Bellows suction cups SI-HD (round)

FSG 25 SI-HD-65 G1/8-IG

Part no.:10.01.06.04173

<https://www.schmalz.com/10.01.06.04173>

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Bellows suction cup (round) for very uneven workpieces



Size: 25

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

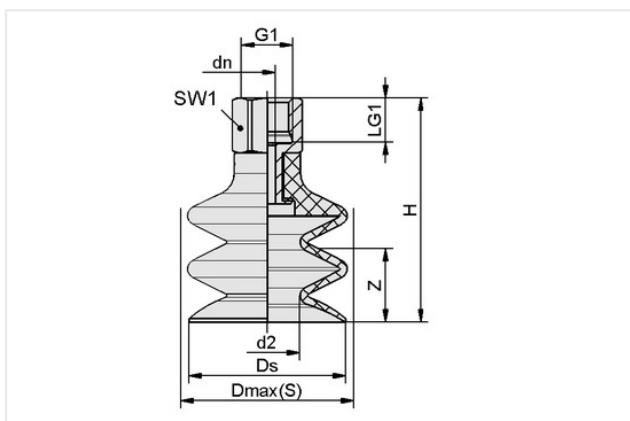
Nipple material: Aluminum

Connection: G1/8"-F

Number of folds: 2.5

Vacuum connection: G1/8"-F

Design Data



| Attribute | Value |
|------------|---------|
| d2 | 10 mm |
| dn | 3.50 mm |
| Dmax(S) | 26 mm |
| Ds | 23 mm |
| G1 | G1/8"-F |
| H | 46 mm |
| LG1 | 8.50 mm |
| SW1 | 14 mm |
| Z (Stroke) | 18 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 | 25 |
| Number of folds | 2.50 |
| Connection | G1/8-IG |
| Curve radius (min) (convex) | 30 mm |
| Volume | 5.40 cm ³ |

Contact Schmalz

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| | |
|--------------------------|--------|
| Suction force (-600mbar) | 4.71 N |
| Pull-off force | 19 N |
| Hose diameter (rec.) d | 4 mm |
| Weight | 9 g |
| Product family | FSG |

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

Spare parts



SA-NIP N016 G1/8-IG DN350

Part no.:10.01.06.05731

Nipple family: N 016

Thread G1: G1/8"-F

Length L1: 18.5 mm

Fitting length: 12 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum



FG 25 SI-HD-65 N016

Part no.:10.01.06.03246

Size: 25

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5

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