# Bellows suction cups SI-HD (round)

FSGA 22 SI-HD-65 G1/8-IG

Part no..:10.01.06.04190

https://www.schmalz.com/10.01.06.04190

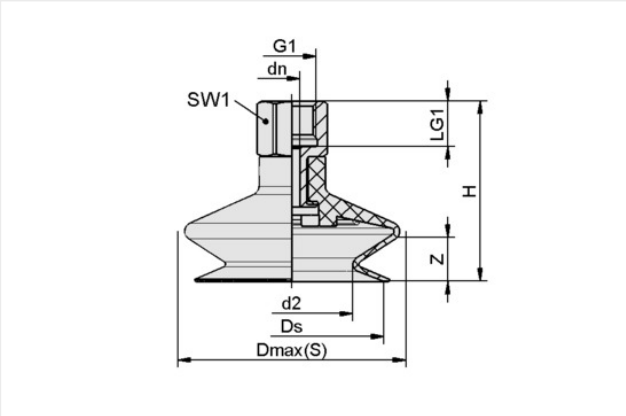


## Bellows suction cup (round) with optimal adaptation to uneven surfaces



- Size: 22
- 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: 1.5
- Vacuum connection: G1/8"-F

## Design Data




| Attribute | Value |
|---|---|
| d2 | 11.70 mm |
| Dmax(S) | 25 mm |
| dn | 3.50 mm |
| Ds | 21.50 mm |
| G1 | G1/8"-F |
| H | 31 mm |
| LG1 | 8 mm |
| SW1 | 14 mm |
| Z (Stroke) | 6 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 | 22 |
| Number of folds | 1.50 |
| Connection | G1/8-IG |
| Curve radius (min) (convex) | 25 mm |
| Volume | 1.40 cm³ |

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Part no..:10.01.06.04190

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| | |
|---|---|
| Suction force (-600mbar) | 5.70 N |
| Pull-off force | 15.20 N |
| Hose diameter (rec.) d | 4 mm |
| Weight | 6.20 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 21 PEEK**

Part no..:10.01.06.03285

| |
|---|
| Size: 21 |
| Material: Polyetheretherketon |

## 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 |

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# Bellows suction cups SI-HD (round)

FSGA 22 SI-HD-65 G1/8-IG

Part no..:10.01.06.04190

https://www.schmalz.com/10.01.06.04190



**FGA 22 SI-HD-65 N016**

Part no..:10.01.06.03419

| |
|---|
| Size: 22 |
| Suction cup material: Silicone SI-HD |
| Material hardness [Shore A]: 65 Shore A |
| Material characteristics: FDA-compatible |
| Number of folds: 1.5 |


Contact Schmalz

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