

## Bellows suction cups SI-HD (round)

FSG 7 SI-HD-65 G1/8-AG

Part no.:10.01.06.04155

<https://www.schmalz.com/10.01.06.04155>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 7 SI-HD-65 G1/8-AG

### Bellows suction cup (round) for very uneven workpieces



Size: 7

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

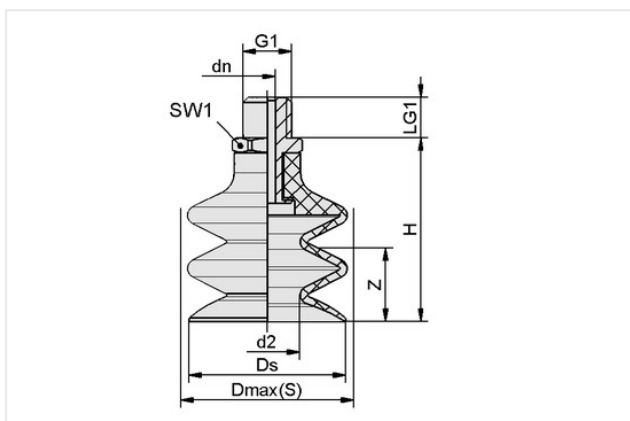
Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 2.5

Vacuum connection: G1/8"-M

### Design Data



Attribute	Value
d2	1.80 mm
dn	3.50 mm
Dmax(S)	9 mm
Ds	5.90 mm
G1	G1/8"-M
H	20 mm
LG1	7.50 mm
SW1	14 mm
Z (Stroke)	3 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	7
Number of folds	2.50
Connection	G1/8-AG
Curve radius (min) (convex)	7.50 mm
Volume	0.04 cm <sup>3</sup>

### Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | [schmalz@schmalz.com.au](mailto:schmalz@schmalz.com.au)

## Bellows suction cups SI-HD (round)

FSG 7 SI-HD-65 G1/8-AG

Part no.:10.01.06.04155

<https://www.schmalz.com/10.01.06.04155>

Suction force (-600mbar)	0.15 N
Pull-off force	0.90 N
Hose diameter (rec.) d	4 mm
Weight	4.30 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-AG DN350

Part no.:10.01.06.05735

Nipple family: N 016

Thread G1: G1/8"-M

Length L1: 20 mm

Fitting length: 6 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum



#### FG 7 SI-HD-65 N016

Part no.:10.01.06.03901

Size: 7

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5

### Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | [schmalz@schmalz.com.au](mailto:schmalz@schmalz.com.au)