

Bellows suction cups SI-HD (round)

FSG 14 SI-HD-65 G1/8-AG

Part no.: 10.01.06.04164

<https://www.schmalz.com/10.01.06.04164>

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Bellows suction cup (round) for very uneven workpieces



Size: 14

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

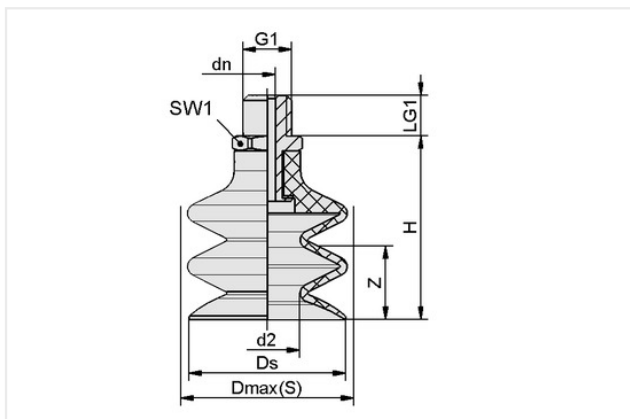
Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 2.5

Vacuum connection: G1/8"-M

Design Data



Attribute	Value
d2	5.40 mm
dn	3.50 mm
Dmax(S)	15.50 mm
Ds	14.50 mm
G1	G1/8"-M
H	28.80 mm
LG1	7.50 mm
SW1	14 mm
Z (Stroke)	9 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	14
Number of folds	2.50
Connection	G1/8-AG
Curve radius (min) (convex)	15 mm
Volume	0.80 cm ³
Suction force (-600mbar)	1.37 N

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

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Pull-off force	5.70 N
Hose diameter (rec.) d	4 mm
Weight	5.30 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 14 SI-HD-65 N016

Part no...:10.01.06.04055

Size: 14

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

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