

Bellows suction cups SI-HD (round)

FSG 9 SI-HD-65 G1/8-AG

Part no.:10.01.06.04158

<https://www.schmalz.com/10.01.06.04158>

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Bellows suction cup (round) for very uneven workpieces



Size: 9

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

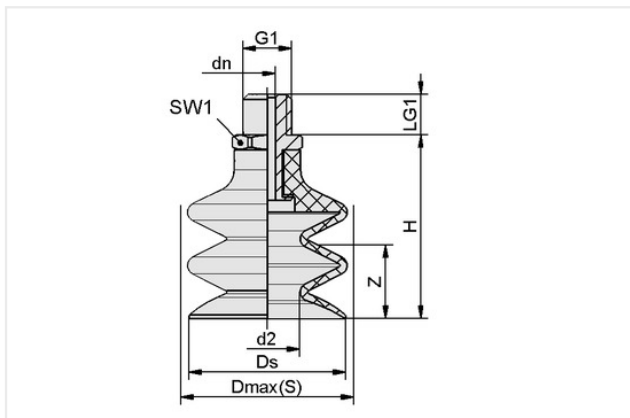
Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 2,5

Vacuum connection: G1/8"-M

Design Data



Attribute	Value
d2	4,10 mm
dn	3,50 mm
Dmax(S)	9,50 mm
Ds	9 mm
G1	G1/8"-M
H	21 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	9
Number of folds	2,50
Connection	G1/8-AG
Curve radius (min) (convex)	10 mm
Volume	0,15 cm ³

Contact Schmalz

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Suction force (-600mbar)	0,79 N
Pull-off force	2,30 N
Hose diameter (rec.) d	4 mm
Weight	4,50 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 9 SI-HD-65 N016

Part no.:10.01.06.03148

Size: 9

Suction cup material: Silicone SI-HD

Material hardness [Shore A]: 65 Shore A

Material characteristics: FDA-compatible

Number of folds: 2,5