

Bellows suction cups (round)

FSG 5 SI-55 M5-AG

Part no.:10.01.06.00665

<https://www.schmalz.com/10.01.06.00665>

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Bellows suction cup (round) for very uneven workpieces



Size: 5

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

Design Data



Attribute	Value
d2	2.60 mm
dn	2 mm
Dmax(S)	7 mm
Ds	5 mm
G1	M5-M
H	19 mm
LG1	5 mm
SW1	8 mm
Z (Stroke)	2 mm

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

Technical Data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	5
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	7.50 mm
Volume	0.03 cm ³

Contact Schmalz

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Suction force (-600mbar)	0.32 N
Pull-off force	0.80 N
Hose diameter (rec.) d	2 mm
Weight	1.50 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

Accessories



SPI 6 PEEK

Part no.:10.01.06.03279

Size: 6

Material: Polyetheretherketon

Spare parts



SA-NIP N017 M5-AG DN200

Part no.:10.01.06.00314

Thread G1: M5-M

Fitting length: 5 mm

Material: Aluminum

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FG 5 SI-55 N017

Part no...:10.01.06.00642

Size: 5

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5

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