

Bellows suction cups (round)

FSGA 16 SI-55 G1/8-AG

Part no.:10.01.06.00087

<https://www.schmalz.com/10.01.06.00087>

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



Size: 16

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 1.5

Vacuum connection: G1/8"-M

Design Data



Attribute	Value
d2	8.40 mm
Dmax(S)	18.50 mm
dn	3.50 mm
Ds	15.60 mm
G1	G1/8"-M
H	25.20 mm
LG1	7.50 mm
SW1	14 mm
Z (Stroke)	7 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	16
Number of folds	1.50
Connection	G1/8-AG
Curve radius (min) (convex)	20 mm
Volume	0.75 cm ³

Contact Schmalz

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Suction force (-600mbar)	2.30 N
Pull-off force	6.70 N
Hose diameter (rec.) d	4 mm
Weight	5 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 17 PEEK

Part no.:10.01.06.03283

Size: 17

Material: Polyetheretherketon

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

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FGA 16 SI-55 N016

Part no...:10.01.06.00099

Size: 16

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 1.5