

Bellows suction cups (round)

FSG 3 SI-55 M3-AG



Art.-Nr.: 10.01.06.03713



FSG 3 SI-55 M3-AG

Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	3.00
Number of folds	2.5
Connection	M3-M
Vacuum connection	M3-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

Suction cup FSG (elastomer part + connection nipple) is delivered unassembled (assembled from a diameter of 32 mm). The delivery consists of:

- Suction cup of type FG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FG, connection nipple SA-NIP



Design data FSG 3 SI-55 M3-AG

Design data

Attribute	Value
Height H	8.70 mm
Nominal diameter dn	1.00 mm
d2	1.8 mm
Thread G1	M3-M
Thread length LG1	3.0 mm
Key width SW1	5.0 mm
Spring stroke Z	1.1 mm
Diameter Ds	3.0 mm
Diameter Dmax(S)	4.0 mm

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



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Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	4.0 mm
Pull-off force	0.40 N
Suction force (-600mbar)	0.15 N
Weight	0.30 g
Volume	0.022 cm ³
Size	3.00
Number of folds	2.5
Product family	FSG
Connection	M3-AG

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even 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



Further documentation

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.06.03713



Ordering Data Spare Parts 10.01.06.03713

Typ	Item number
Suction Cup Connection Nipples	SA-NIP N055 M3-AG DN100 10.01.01.00313



Ordering Data Wear Parts 10.01.06.03713

Typ	Item number
Bellows suction cup (round)	FG 3 SI-55 N055 10.01.06.03705



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