

Bellows suction cups (round)

FSG 5 NBR-55 M5-AG



Art.-Nr.: 10.01.06.00663



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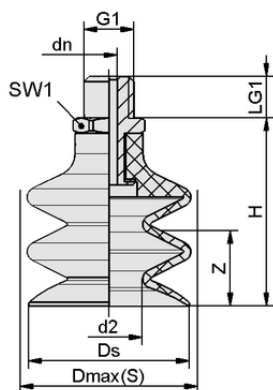
Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	5.00
Number of folds	2.5
Connection	M5-M
Vacuum connection	M5-M
Nipple material	Aluminum

Suction cup FSG (elastomer part + connection nipple) is delivered unassembled. 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 5 NBR-55 M5-AG

Design data

Attribute	Value
Height H	19.00 mm
Nominal diameter dn	2.00 mm
d2	2.6 mm
Thread G1	M5-M
Thread length LG1	5.0 mm
Key width SW1	8.0 mm
Spring stroke Z	2.0 mm
Diameter Ds	5.0 mm
Diameter Dmax(S)	7.0 mm

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



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Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	7.5 mm
Pull-off force	0.80 N
Suction force (-600mbar)	0.32 N
Weight	1.5 g
Volume	0.033 cm ³
Size	5.00
Number of folds	2.5
Product family	FSG
Connection	M5-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/10.01.06.00663



Ordering Data Accessories 10.01.06.00663

Typ	Item number
Schmalz Pad Insert PEEK	10.01.06.03279



Ordering Data Spare Parts 10.01.06.00663

Typ	Item number
Suction cup connection nipple	10.01.06.00314



Ordering Data Wear Parts 10.01.06.00663

Typ	Item number
Bellows suction cup (round)	10.01.06.00640



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