

Bellows suction cups (round)

FSG 9 NBR-55 M5-AG



Art.-Nr.: 10.01.06.00023



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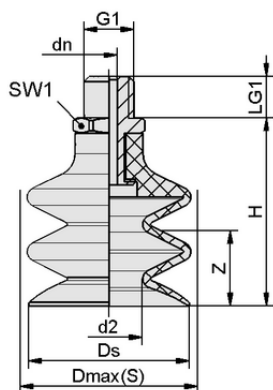
Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	9.00
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 9 NBR-55 M5-AG

Design data

Attribute	Value
Height H	20.00 mm
Nominal diameter dn	2.50 mm
d2	4.1 mm
Thread G1	M5-M
Thread length LG1	5.0 mm
Key width SW1	7.0 mm
Spring stroke Z	3.0 mm
Diameter Ds	9.0 mm
Diameter Dmax(S)	9.5 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)	10.0 mm
Pull-off force	2.30 N
Suction force (-600mbar)	0.79 N
Weight	1.8 g
Volume	0.150 cm ³
Size	9.00
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/10.01.06.00023



Ordering Data Accessories 10.01.06.00023

Typ	Item number
Schmalz Pad Insert PEEK	SPI 9 PEEK
	10.01.06.03280



Ordering Data Spare Parts 10.01.06.00023

Typ	Item number
Suction cup connection nipple	SA-NIP N016 M5-AG DN250
	10.01.06.00123



Ordering Data Wear Parts 10.01.06.00023

Typ	Item number
Bellows suction cup (round)	FG 9 NBR-55 N016
	10.01.06.00051



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