

Bellows suction cups (round)

FSGA 8 SI-40 M3-AG



Art.-Nr.: 10.01.06.05729

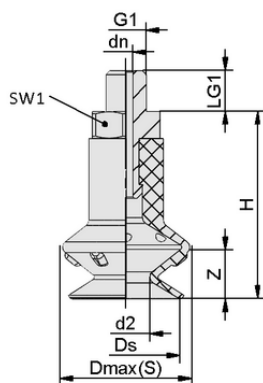


FSGA 8 SI-40 M3-AG

Suction cup FSGA (elastomer part + connection nipple) is delivered unassembled (diameters of 33 mm and more are assembled). The delivery consists of:

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

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



Design data FSGA 8 SI-40 M3-AG

Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	40.0 Shore A
Size	8.00
Number of folds	1.5
Connection	M3-M
Vacuum connection	M3-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

Design data

Attribute	Value
Height H	13.80 mm
Nominal diameter dn	1.00 mm
d2	3.5 mm
Thread G1	M3-M
Thread length LG1	3.0 mm
Key width SW1	5.0 mm
Spring stroke Z	3.6 mm
Diameter Ds	8.0 mm
Diameter Dmax(S)	9.7 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	Silicone SI
Material hardness [Shore A]	40.0 Shore A
Workpiece radius min. (convex)	4.0 mm
Pull-off force	1.70 N
Suction force (-600mbar)	0.58 N
Volume	0.169 cm ³
Size	8.00
Number of folds	1.5
Product family	FSGA
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/10.01.06.05729



Ordering Data Spare Parts 10.01.06.05729

Typ		Item number
Bellows suction cup (round)	FGA 8 SI-40 N063	10.01.06.05688
Suction cup connection nipple	SA-NIP N063 M3-AG DN100	10.01.06.05727



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