

Bellows suction cups (round)

FSGA 53 SI-55 G1/4-AG



Art.-Nr.: 10.01.06.00093



Technical data

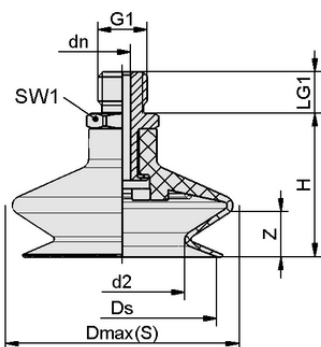
Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	53.00
Number of folds	1.5
Connection	G1/4"-M
Vacuum connection	G1/4"-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

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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

Attribute	Value
Height H	38.00 mm
Nominal diameter dn	4.40 mm
d2	33.0 mm
Thread G1	G1/4"-M
Thread length LG1	11.0 mm
Key width SW1	17.0 mm
Spring stroke Z	15.0 mm
Diameter Ds	50.0 mm
Diameter Dmax(S)	60.0 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	6.0 mm
Workpiece radius min. (convex)	100.0 mm
Pull-off force	95.00 N
Suction force (-600mbar)	51.30 N
Weight	27.00 g
Volume	26.488 cm ³
Size	53.00
Number of folds	1.5
Product family	FSGA
Connection	G1/4-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/10.01.06.00093



Ordering Data Spare Parts 10.01.06.00093

Typ	Item number
Suction cup connection nipple	SA-NIP N018 G1/4-AG DN440 10.01.06.01065



Ordering Data Wear Parts 10.01.06.00093

Typ	Item number
Bellows suction cup (round)	FGA 53 SI-55 N018 10.01.06.00128



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