

Bellows suction cups (round)

FSGA 22 SI-55 G1/8-AG



Art.-Nr.: 10.01.06.00089



FSGA 22 SI-55 G1/8-AG

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

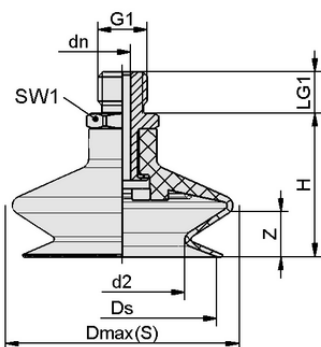
- Suction cup of type FGA – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

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

Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	22.00
Number of folds	1.5
Connection	G1/8"-M
Vacuum connection	G1/8"-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

Design data



Attribute	Value
Height H	25.00 mm
Nominal diameter dn	3.50 mm
d2	11.7 mm
Thread G1	G1/8"-M
Thread length LG1	7.5 mm
Key width SW1	14.0 mm
Spring stroke Z	6.0 mm
Diameter Ds	21.5 mm
Diameter Dmax(S)	25.0 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	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	25.0 mm
Pull-off force	15.20 N
Suction force (-600mbar)	5.70 N
Weight	5.80 g
Volume	1.400 cm ³
Size	22.00
Number of folds	1.5
Product family	FSGA
Connection	G1/8-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/10.01.06.00089



Ordering Data Accessories 10.01.06.00089

Typ	Item number
Schmalz Pad Insert PEEK	SPI 21 PEEK
	10.01.06.03285



Ordering Data Wear Parts 10.01.06.00089

Typ	Item number
Bellows suction cup (round)	FGA 22 SI-55 N016
	10.01.06.00100



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