

Bellows suction cups (round)

FSG 20 SI-55 G1/8-AG



Art.-Nr.: 10.01.06.00042



FSG 20 SI-55 G1/8-AG

Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	20.00
Number of folds	2.5
Connection	G1/8"-M
Vacuum connection	G1/8"-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

Suction cup FSG (elastomer part + connection nipple) is delivered unassembled (assembled from a diameter of 32 mm). 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 20 SI-55 G1/8-AG

Design data

Attribute	Value
Height H	28.10 mm
Nominal diameter dn	3.50 mm
d2	10.5 mm
Thread G1	G1/8"-M
Thread length LG1	7.5 mm
Key width SW1	14.0 mm
Spring stroke Z	9.0 mm
Diameter Ds	20.0 mm
Diameter Dmax(S)	21.0 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	4.0 mm
Workpiece radius min. (convex)	30.0 mm
Pull-off force	12.10 N
Suction force (-600mbar)	5.20 N
Weight	6.00 g
Volume	2.298 cm ³
Size	20.00
Number of folds	2.5
Product family	FSG
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/10.01.06.00042



Ordering Data Accessories 10.01.06.00042

Typ		Item number
Filter disc	FD 16 120	10.01.06.02565
Schmalz Pad Insert PEEK	SPI 21 PEEK	10.01.06.03285



Ordering Data Spare Parts 10.01.06.00042

Typ		Item number
Suction cup connection nipple	SA-NIP N016 G1/8-AG DN350	10.01.06.05735



Ordering Data Wear Parts 10.01.06.00042

Typ		Item number
Bellows suction cup (round)	FG 20 SI-55 N016	10.01.06.00059



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