

Bellows suction cups (round)

FSG 88 SI-55 G1/4-IG



Art.-Nr.: 10.01.06.00018



Technical data

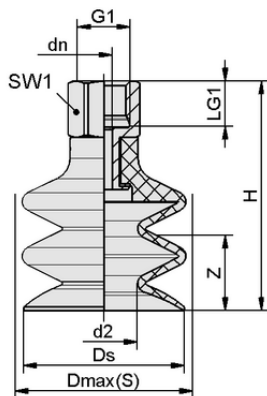
Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	88.00
Number of folds	2.5
Connection	G1/4"-F
Vacuum connection	G1/4"-F
Nipple material	Aluminum
Material characteristics	FDA-compatible

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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

Attribute	Value
Height H	101.50 mm
Nominal diameter dn	8.20 mm
d2	29.3 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	21.0 mm
Spring stroke Z	34.0 mm
Diameter Ds	89.0 mm
Diameter Dmax(S)	95.5 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	9.0 mm
Workpiece radius min. (convex)	100.0 mm
Pull-off force	286.00 N
Suction force (-600mbar)	40.46 N
Weight	180.0 g
Volume	143.668 cm ³
Size	88.00
Number of folds	2.5
Product family	FSG
Connection	G1/4-IG

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/10.01.06.00018



Ordering Data Accessories 10.01.06.00018

Typ		Item number
Sealing ring	DR 88/64x5 MOS SI-15	10.01.06.02620
Suction cup cover	SU 70	10.01.01.12838



Ordering Data Spare Parts 10.01.06.00018

Typ		Item number
Suction cup connection nipple	SA-NIP N019 G1/4-IG DN820	10.01.06.01960



Ordering Data Wear Parts 10.01.06.00018

Typ		Item number
Bellows suction cup (round)	FG 88 SI-55 N019	10.01.06.00147



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