

Bellows suction cups (round)

FSG 32 SI-55 G1/4-IG



Art.-Nr.: 10.01.06.00015



Technical data

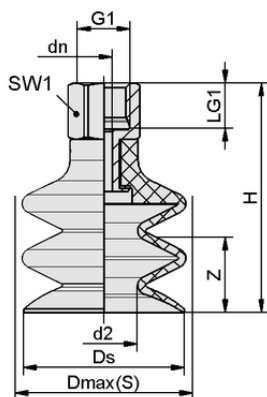
Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	32.00
Number of folds	2.5
Connection	G1/4"-F
Vacuum connection	G1/4"-F
Nipple material	Aluminum
Material characteristics	FDA-compatible

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Suction cup FSG (elastomer part + connection nipple) is delivered unassembled (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

Attribute	Value
Height H	52.50 mm
Nominal diameter dn	4.40 mm
d2	16.0 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	17.0 mm
Spring stroke Z	15.0 mm
Diameter Ds	32.0 mm
Diameter Dmax(S)	33.5 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	6.0 mm
Workpiece radius min. (convex)	35.0 mm
Pull-off force	36.90 N
Suction force (-600mbar)	12.06 N
Weight	18.00 g
Volume	10.000 cm ³
Size	32.00
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/10.01.06.00015



Ordering Data Accessories 10.01.06.00015

Typ		Item number
Sealing ring	DR 32/19x2 MOS SI-15	10.01.06.02615
Filter disc	FD 27 120	10.01.06.02571
Schmalz Pad Insert PEEK	SPI 32 PEEK	10.01.06.03287
Suction cup cover	SU 30	10.01.01.12889



Ordering Data Spare Parts 10.01.06.00015

Typ		Item number
Suction Cup Connection Nipples	SA-NIP N018 G1/4-IG DN440	10.01.06.01066



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Ordering Data Wear Parts 10.01.06.00015

Typ		Item number
Bellows suction cup (round)	FG 32 SI-55 N018	10.01.06.00144



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