

Bellows suction cups (round)  
**FSG 32 SI-55 G1/4-AG**



Art.-Nr.: 10.01.06.00044



**Technical data**

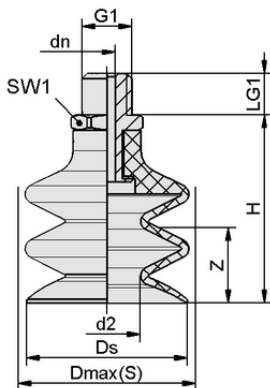
Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	32.00
Number of folds	2.5
Connection	G1/4"-M
Vacuum connection	G1/4"-M
Nipple material	Aluminum
Material characteristics	FDA-compatible

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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 FSG 32 SI-55 G1/4-AG

**Design data**

Attribute	Value
Height H	41.50 mm
Nominal diameter dn	4.40 mm
d2	16.0 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	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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### Technical data

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	17.00 g
Volume	10.000 cm <sup>3</sup>
Size	32.00
Number of folds	2.5
Product family	FSG
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/10.01.06.00044](http://www.schmalz.com/10.01.06.00044)



### Ordering Data Accessories 10.01.06.00044

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 10.01.06.00044

Typ		Item number
Suction Cup Connection Nipples	SA-NIP N018 G1/4-AG DN440	10.01.06.01065



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**Ordering Data Wear Parts 10.01.06.00044**

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



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