Bellows suction cups (round)

FSG 52 SI-55 G1/4-AG

Art.-Nr.: 10.01.06.00586

FSG 52 SI-55 G1/4-AG

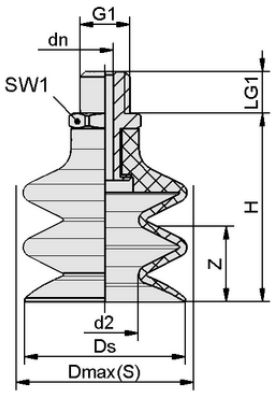
Technical data

Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	52.00
Number of folds	2.5
Connection	G1/4"-M
Vacuum connection	G1/4"-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 52 SI-55 G1/4-AG

Design data

Height H	52.70 mm
Nominal diameter dn	4.40 mm
d2	24.6 mm
Thread G1	G1/4"-M
Thread length LG1	11.0 mm
Key width SW1	17.0 mm
Spring stroke Z	25.0 mm
Diameter Ds	52.5 mm
Diameter Dmax(S)	55.0 mm

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

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Bellows suction cups (round)

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Art.-Nr.: 10.01.06.00586

Technical data

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)	75.0 mm
Pull-off force	96.00 N
Suction force (-600mbar)	28.52 N
Weight	32.00 g
Volume	35.000 cm^3
Size	52.00
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

Ordering Data Accessories 10.01.06.00586

Typ		Item number
Sealing ring	DR 52/33x5 MOS SI-15	10.01.06.02548
Filter disc	FD 44 120	10.01.06.02573
Suction cup cover	SU 50	10.01.01.12837

Ordering Data Spare Parts 10.01.06.00586

Typ		Item number
Suction cup connection nipple	SA-NIP N018 G1/4-AG DN440	10.01.06.01065

Ordering Data Wear Parts 10.01.06.00586

Typ		Item number
Bellows suction cup (round)	FG 52 SI-55 N018	10.01.06.00585

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