Bellows suction cups (round)

FSG 32 HT1-60 G1/4-AG

Art.-Nr.: 10.01.06.01241

FSG 32 HT1-60 G1/4-AG

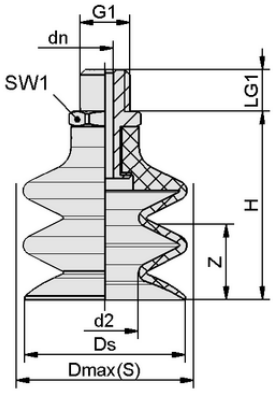
Technical data

Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Size	32.00
Number of folds	2.5
Connection	G1/4"-M
Vacuum connection	G1/4"-M
Nipple material	Aluminum

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 HT1-60 G1/4-AG

Design data

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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Bellows suction cups (round)

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Art.-Nr.: 10.01.06.01241

Technical data

Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 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	9.768 cm^3
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

Ordering Data Accessories 10.01.06.01241

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 10.01.06.01241

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

Ordering Data Wear Parts 10.01.06.01241

Typ		Item number
Bellows suction cup (round)	FG 32 HT1-60 N018	10.01.06.01254

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