Bellows suction cups (round)

FSG 7 HT1-60 M5-AG

Art.-Nr.: 10.01.06.01237

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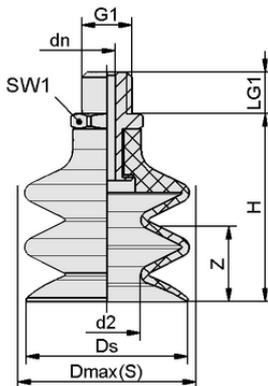

FSG 7 HT1-60 M5-AG

Technical data

Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Size	7.00
Number of folds	2.5
Connection	M5-M
Vacuum connection	M5-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 7 HT1-60 M5-AG

Design data

Height H	19.00 mm
Nominal diameter dn	2.50 mm
d2	1.8 mm
Thread G1	M5-M
Thread length LG1	5.0 mm
Key width SW1	7.0 mm
Spring stroke Z	3.0 mm
Diameter Ds	5.9 mm
Diameter Dmax(S)	7.0 mm

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

Contact Schmalz: J. Schmalz GmbH, Johannes-Schmalz-Str. 1 • 72293 Glatten • +49 7443 2403-105 • kundencenter@schmalz.de

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Technical data

Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	7.5 mm
Pull-off force	0.90 N
Suction force (-600mbar)	0.15 N
Weight	1.60 g
Volume	0.043 cm³
Size	7.00
Number of folds	2.5
Product family	FSG
Connection	M5-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 Spare Parts 10.01.06.01237

Typ		Item number
Suction cup connection nipple	SA-NIP N016 M5-AG DN250	10.01.06.00123

Ordering Data Wear Parts 10.01.06.01237

Typ		Item number
Bellows suction cup (round)	FG 7 HT1-60 N016	10.01.06.01251