

Bellows suction cups (round)

FSG 20 HT1-60 M5-AG



Art.-Nr.: 10.01.06.01240



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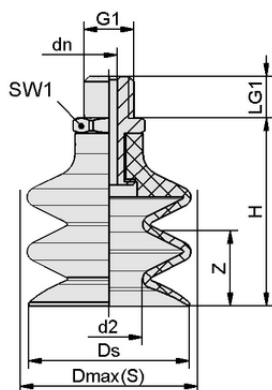
Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Size	20.00
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. 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 20 HT1-60 M5-AG

Design data

Attribute	Value
Height H	27.10 mm
Nominal diameter dn	2.50 mm
d2	10.5 mm
Thread G1	M5-M
Thread length LG1	5.0 mm
Key width SW1	7.0 mm
Spring stroke Z	9.0 mm
Diameter Ds	20.0 mm
Diameter Dmax(S)	21.0 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	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	30.0 mm
Pull-off force	12.10 N
Suction force (-600mbar)	5.20 N
Weight	3.3 g
Volume	2.298 cm ³
Size	20.00
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



Further documentation

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.06.01240



Ordering Data Accessories 10.01.06.01240

Typ	Item number
Filter disc	FD 16 120 10.01.06.02565
Schmalz Pad Insert PEEK	SPI 21 PEEK 10.01.06.03285



Ordering Data Spare Parts 10.01.06.01240

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



Ordering Data Wear Parts 10.01.06.01240

Typ	Item number
Bellows suction cup (round)	FG 20 HT1-60 N016 10.01.06.01253



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