

Bellows suction cups (round)

FSGA 6 HT1-60 M5-IG



Art.-Nr.: 10.01.06.03000



FSGA 6 HT1-60 M5-IG

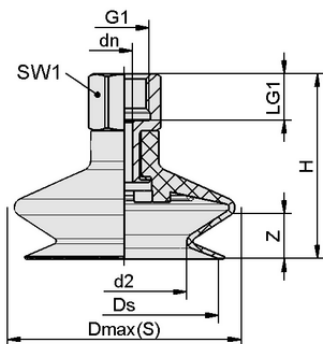
Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Size	6.00
Number of folds	1.5
Connection	M5-F
Vacuum connection	M5-F
Nipple material	Aluminum

Suction cup FSGA (elastomer part + connection nipple) is delivered unassembled (diameters of 33 mm and more are assembled). The delivery consists of:

- Suction cup of type FGA – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FGA, connection nipple SA-NIP



Design data FSGA 6 HT1-60 M5-IG

Design data

Attribute	Value
Height H	19.00 mm
Nominal diameter dn	2.00 mm
d2	3.0 mm
Thread G1	M5-F
Thread length LG1	5.5 mm
Key width SW1	8.0 mm
Spring stroke Z	2.0 mm
Diameter Ds	5.7 mm
Diameter Dmax(S)	8.0 mm

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



WWW.SCHMALZ.COM/10.01.06.03000

Bellows suction cups (round)

FSGA 6 HT1-60 M5-IG



Art.-Nr.: 10.01.06.03000



Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	4.0 mm
Pull-off force	1.40 N
Suction force (-600mbar)	0.40 N
Weight	1.5 g
Volume	0.098 cm ³
Size	6.00
Number of folds	1.5
Product family	FSGA
Connection	M5-IG

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/10.01.06.03000



Ordering Data Accessories 10.01.06.03000

Typ	Item number
Schmalz Pad Insert PEEK	10.01.06.03279



Ordering Data Spare Parts 10.01.06.03000

Typ	Item number
Suction cup connection nipple	10.01.01.03518



Ordering Data Wear Parts 10.01.06.03000

Typ	Item number
Bellows suction cup (round)	10.01.06.02603



WWW.SCHMALZ.COM/10.01.06.03000