

Art.-Nr.: 10.01.06.01244



FSG 12 HT1-60 G1/8-IG

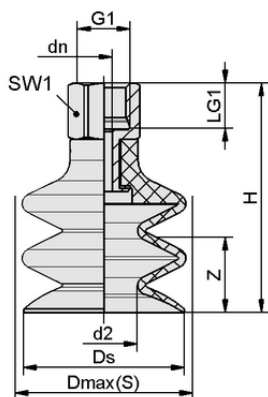
Technical data

Attribute	Value
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60.0 Shore A
Size	12.00
Number of folds	2.5
Connection	G1/8"-F
Vacuum connection	G1/8"-F
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 12 HT1-60 G1/8-IG

Design data

Attribute	Value
Height H	33.00 mm
Nominal diameter dn	3.50 mm
d2	5.0 mm
Thread G1	G1/8"-F
Thread length LG1	8.5 mm
Key width SW1	14.0 mm
Spring stroke Z	7.0 mm
Diameter Ds	12.0 mm
Diameter Dmax(S)	13.0 mm

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



Bellows suction cups (round)
FSG 12 HT1-60 G1/8-IG



Art.-Nr.: 10.01.06.01244



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)	12.5 mm
Pull-off force	3.50 N
Suction force (-600mbar)	1.18 N
Weight	5.30 g
Volume	0.747 cm ³
Size	12.00
Number of folds	2.5
Product family	FSG
Connection	G1/8-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/10.01.06.01244



Ordering Data Accessories 10.01.06.01244

Typ	Item number
Schmalz Pad Insert PEEK	10.01.06.03282
SPI 14 PEEK	



Ordering Data Spare Parts 10.01.06.01244

Typ	Item number
Suction cup connection nipple	10.01.06.05731
SA-NIP N016 G1/8-IG DN350	



Ordering Data Wear Parts 10.01.06.01244

Typ	Item number
Bellows suction cup (round)	10.01.06.01252
FG 12 HT1-60 N016	



WWW.SCHMALZ.COM/10.01.06.01244