

Bellows suction cups (round)

FSG 14 NK-45 M5-AG



Art.-Nr.: 10.01.06.00433



FSG 14 NK-45 M5-AG

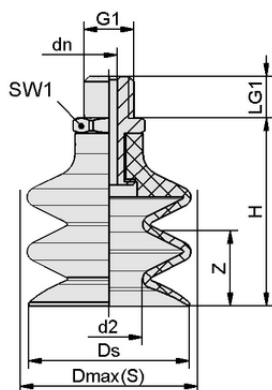
Technical data

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	45.0 Shore A
Size	14.00
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 14 NK-45 M5-AG

Design data

Attribute	Value
Height H	27.80 mm
Nominal diameter dn	2.50 mm
d2	5.4 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	14.5 mm
Diameter Dmax(S)	15.5 mm

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



WWW.SCHMALZ.COM/10.01.06.00433

Art.-Nr.: 10.01.06.00433

**Technical data**

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	45.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	15.0 mm
Pull-off force	5.70 N
Suction force (-600mbar)	1.37 N
Weight	2.6 g
Volume	0.975 cm ³
Size	14.00
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/10.01.06.00433

**Ordering Data Accessories 10.01.06.00433**

Typ	Item number
Schmalz Pad Insert PEEK	10.01.06.03282
SPI 14 PEEK	

**Ordering Data Spare Parts 10.01.06.00433**

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

**Ordering Data Wear Parts 10.01.06.00433**

Typ	Item number
Bellows suction cup (round)	10.01.06.00453
FG 14 NK-45 N016	

