

Art.-Nr.: 10.01.06.00438



FSG 18 NK-45 G1/8-AG

Technical data

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	45.0 Shore A
Size	18.00
Number of folds	2.5
Connection	G1/8"-M
Vacuum connection	G1/8"-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 18 NK-45 G1/8-AG

Design data

Attribute	Value
Height H	28.60 mm
Nominal diameter dn	3.50 mm
d2	8.0 mm
Thread G1	G1/8"-M
Thread length LG1	7.5 mm
Key width SW1	14.0 mm
Spring stroke Z	9.0 mm
Diameter Ds	17.2 mm
Diameter Dmax(S)	19.0 mm

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



Bellows suction cups (round)
FSG 18 NK-45 G1/8-AG



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Technical data

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	45.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	20.0 mm
Pull-off force	8.50 N
Suction force (-600mbar)	3.02 N
Weight	5.60 g
Volume	1.350 cm ³
Size	18.00
Number of folds	2.5
Product family	FSG
Connection	G1/8-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/10.01.06.00438



Ordering Data Accessories 10.01.06.00438

Typ	Item number
Schmalz Pad Insert PEEK	SPI 17 PEEK
	10.01.06.03283



Ordering Data Spare Parts 10.01.06.00438

Typ	Item number
Suction cup connection nipple	SA-NIP N016 G1/8-AG DN350
	10.01.06.05735



Ordering Data Wear Parts 10.01.06.00438

Typ	Item number
Bellows suction cup (round)	FG 18 NK-45 N016
	10.01.06.00454



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