

Bellows suction cups (round)

FSG 18 NK-45 G1/8-AG

Part no.: 10.01.06.00438

<https://www.schmalz.co.jp/10.01.06.00438>

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Bellows suction cup (round) for very uneven workpieces



Size: 18

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 2.5

Vacuum connection: G1/8"-M

Design Data



Attribute	Value
d2	8 mm
dn	3.50 mm
Dmax (S)	19 mm
Ds	17.20 mm
G1	G1/8"-M
H	28.60 mm
LG1	7.50 mm
SW1	14 mm
Z (Stroke)	9 mm

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

Technical Data

Attribute	Value
Suction cup material	Natural Rubber NK
Material hardness [Shore A]	45 Shore A
Size	18
Number of folds	2.50
Connection	G1/8-AG
Curve radius (min) (convex)	20 mm
Volume	1.35 cm ³

Contact Schmalz

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Suction force (-600mbar)	3.02 N
Pull-off force	8.50 N
Hose diameter (rec.) d	4 mm
Weight	5.60 g
Product family	FSG

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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

Accessories



SPI 17 PEEK

Part no.: 10.01.06.03283

Size: 17

Material: Polyetheretherketon

Spare parts



SA-NIP N016 G1/8-AG DN350

Part no.: 10.01.06.05735

Nipple family: N 016

Thread G1: G1/8"-M

Length L1: 20 mm

Fitting length: 6 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum

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FG 18 NK-45 N016

Part no.: 10.01.06.00454

Size: 18

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Number of folds: 2.5

Contact Schmalz

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