

Bellows suction cups (round)

FSGA 78 NK-45 G1/4-IG

Part no.:10.01.06.00421

<https://www.schmalz.com/10.01.06.00421>

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Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 78

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/4"-F

Number of folds: 1.5

Vacuum connection: G1/4"-F

Design Data



Attribute	Value
d2	54 mm
Dmax(S)	84.50 mm
dn	8.20 mm
Ds	74 mm
G1	G1/4"-F
H	62 mm
LG1	12 mm
SW1	21 mm
Z (Stroke)	16 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	78
Number of folds	1.50
Connection	G1/4-IG
Curve radius (min) (convex)	100 mm
Volume	75.58 cm ³

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

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Suction force (-600mbar)	137.40 N
Pull-off force	218 N
Hose diameter (rec.) d	6 mm
Weight	71 g
Product family	FSGA

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

Spare parts



FGA 78 NK-45 N019

Part no.:10.01.06.00429

Size: 78

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Number of folds: 1.5