

Bellows suction cups (round)

FSGA 20 NK-45 G1/8-AG

Part no.:10.01.06.00396

<https://www.schmalz.com/10.01.06.00396>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 20 NK-45 G1/8-AG

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



Size: 20

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/8"-M

Number of folds: 1.5

Vacuum connection: G1/8"-M

Design Data



Attribute	Value
d2	11 mm
Dmax(S)	21 mm
dn	3.50 mm
Ds	18.10 mm
G1	G1/8"-M
H	21.20 mm
LG1	7.50 mm
SW1	14 mm
Z (Stroke)	5 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	20
Number of folds	1.50
Connection	G1/8-AG
Curve radius (min) (convex)	20 mm
Volume	1.15 cm ³

Contact Schmalz

Schmalz GmbH | Eigentlstr. 1, 8309 Nürensdorf, Switzerland | +41 44 555 05 05 | schmalz@schmalz.ch

Bellows suction cups (round)

FSGA 20 NK-45 G1/8-AG

Part no.:10.01.06.00396

<https://www.schmalz.com/10.01.06.00396>

Suction force (-600mbar)	4.70 N
Pull-off force	10.70 N
Hose diameter (rec.) d	4 mm
Weight	5.10 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



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



FGA 20 NK-45 N016

Part no.:10.01.06.00375

Size: 20

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Number of folds: 1.5