

Flat suction cup (round)

SHFN 70 NK-45 G1/4-AG

Part no.: 10.01.01.11689

<https://www.schmalz.com/10.01.01.11689>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Flat Suction Cups (Round) > Flat Suction Cups SHFN > SHFN 70 NK-45 G1/4-AG

Flat suction cup (round) for highly dynamic handling of wood



Size: 70

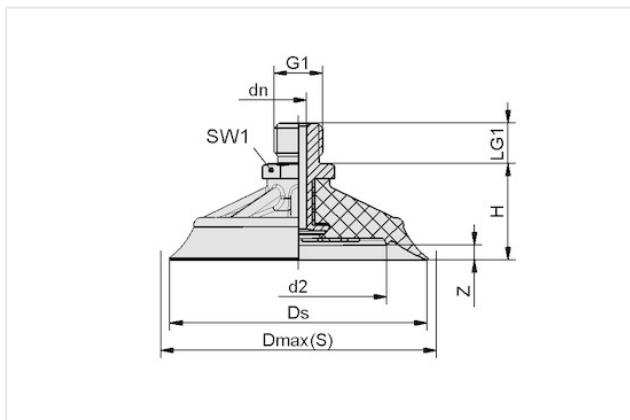
Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/4-AG

Design Data



Attribute	Value
d2	48 mm
dn	4.40 mm
Dmax(S)	74 mm
Ds	70 mm
G1	G1/4"-M
H	26.20 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	4 mm

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

Technical Data

Attribute	Value
Size	70
Suction cup material	Natural Rubber NK
Suction force d2	100 N
Suction force (-600mbar)	200 N
Lateral force	145 N
Volume	16 cm ³
Curve radius (min) (convex)	95 mm

Contact Schmalz

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

Flat suction cup (round)

SHFN 70 NK-45 G1/4-AG

Part no.:10.01.01.11689

<https://www.schmalz.com/10.01.01.11689>

Hose diameter (rec.) d	6 mm
Number of folds	0
Weight	31.50 g
Product family	SHFN

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



SIEB 15x0.8 MS-A2 0.103/0.07

Part no.:10.07.01.00211

External diameter D: 15 mm

Length L: 0.8 mm

Material: Brass / Stainless steel

Spare parts



SA-NIP N041 G1/4-AG DN440

Part no.:10.01.01.11772

Thread G1: G1/4"-M

Fitting length: 4 mm

Material: Aluminum

Contact Schmalz

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

Flat suction cup (round)

SHFN 70 NK-45 G1/4-AG

Part no...:10.01.01.11689

<https://www.schmalz.com/10.01.01.11689>



SHF 70 NK-45 N041

Part no...:10.01.01.11682

Size: 70

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Contact Schmalz

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