

Flat suction cup (round)

SHFN 50 NK-45 G1/4-IG MOS

Part no.: 10.01.01.11696

<https://www.schmalz.co.jp/10.01.01.11696>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Flat Suction Cups (Round) > Flat Suction Cups SHFN > SHFN 50 NK-45 G1/4-IG MOS

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



Size: 50

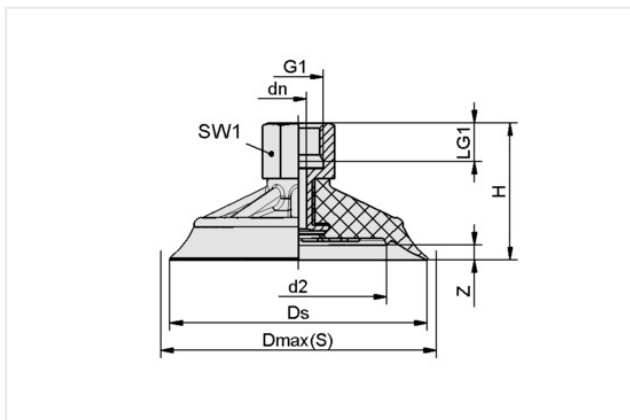
Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/4-IG

Design Data



Attribute	Value
d2	21 mm
dn	4.40 mm
Dmax (S)	55 mm
Ds	52 mm
G1	G1/4"-F
H	37.20 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	3 mm

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

Technical Data

Attribute	Value
Size	50
Suction cup material	Natural Rubber NK
Suction force d2	40 N
Suction force (-600mbar)	110 N
Lateral force	95 N
Volume	6.30 cm ³
Curve radius (min) (convex)	41 mm

Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | schmalz@schmalz.co.jp

Flat suction cup (round)

SHFN 50 NK-45 G1/4-IG MOS

Part no.: 10.01.01.11696

<https://www.schmalz.co.jp/10.01.01.11696>

Hose diameter (rec.) d	4 mm
Number of folds	0
Weight	19.10 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



DR 28/21x3 C03 EPDM-15 KE

Part no.: 10.01.06.01679

External diameter D: 28 mm

Internal diameter d: 21 mm

Height H: 3 mm

Material type: Foam C, Height 3 mm

Sealing material: EPDM

Material hardness [Shore A]: 15 Shore A

Add. function: Adhesive tape on one side

Contact Schmalz

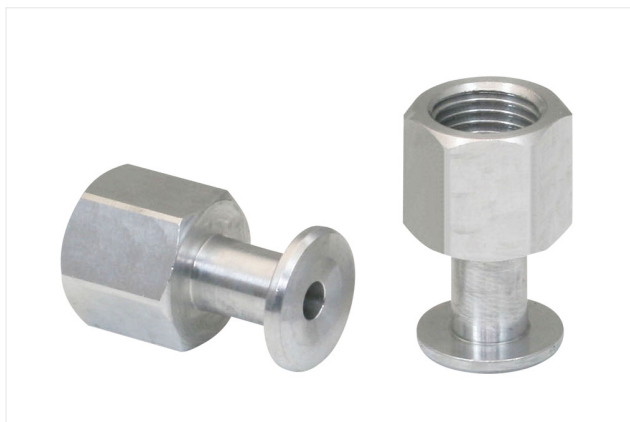
Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | schmalz@schmalz.co.jp

Flat suction cup (round)

SHFN 50 NK-45 G1/4-IG MOS

Part no.: 10.01.01.11696

<https://www.schmalz.co.jp/10.01.01.11696>



SA-NIP N041 G1/4-IG DN440

Part no.: 10.01.01.11822

Thread G1: G1/4"-F

Fitting length: 15 mm

Material: Aluminum



SHF 50 NK-45 N041 MOS

Part no.: 10.01.01.11688

Size: 50

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A