

Flat suction cup (round)

<https://www.schmalz.com/10.01.01.11693>



SHFN 50 NK-45 G1/4-AG

Part no.: 10.01.01.11693

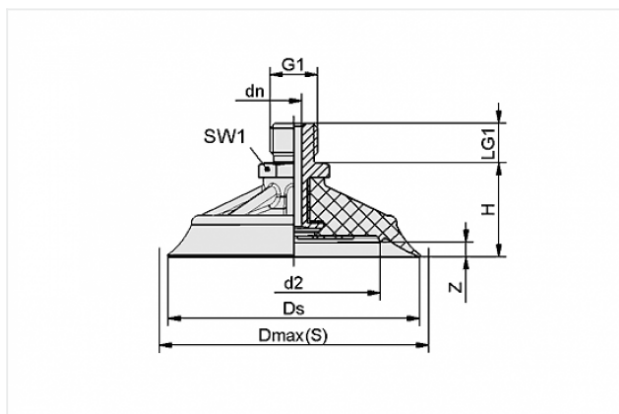
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Wood > Flat
Suction Cups SHFN > SHFN 50 NK-45 G1/4-AG

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



Size: 50
Suction cup material:
Natural Rubber NK
Material hardness: 45 °Sh
Nipple material: Aluminium
Vacuum connection: G1/4"-M

Design Data



Attribute	Value
dn	4.4 mm
Dmax(S)	55 mm
Ds	52 mm
G1	G1/4"-M
H	26.2 mm
LG1	11 mm
SW1	17 mm
Z	3 mm
d2	30 mm

Technical Data

Attribute	Value
Size	50
Suction cup material	Natural Rubber NK
Suction force d2	40 N
Suction force	110 N
Lateral force	95 N
Volume	7.3 cm ³
Curve radius (min) (convex)	41 mm
Internal hose diameter (recom.)	4 mm
Weight	19.1 g

Note:

- Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry 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 N041 G1/4-AG DN440

Part no. 10.01.01.11772

Suction cup connection nipple

Nipple: N 041

Thread G1: G1/4"-M

Overall length: 29.3 mm

Fitting length: 4 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm



SIEB 15x0.8 MS-A2 0.103/0.07

Part no. 10.07.01.00211

Screen

External diameter D: 15 mm

Length L: 0.8 mm

Material: Brass / Stainless steel

Mesh: 0.103 mm

Wire size: 0.07 mm



SHF 50 NK-45 N041

Part no. 10.01.01.11687

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

Size: 50

Suction cup material:

Natural Rubber NK

Material hardness: 45 °Sh

Accessories



SIEB 15x0.8 MS-A2 0.103/0.07

Part no. 10.07.01.00211

Screen

External diameter D: 15 mm

Length L: 0.8 mm

Material: Brass / Stainless steel

Mesh: 0.103 mm

Wire size: 0.07 mm