

Flat suction cup (round)

SHFN 85 NK-45 G1/4-AG E

Part no.: 10.01.01.12210

<https://www.schmalz.com/10.01.01.12210>

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



Size: 85

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Connection: G1/4-AG

Type: E

Design Data



Attribute	Value
d2	62 mm
dn	4.40 mm
Dmax(S)	89 mm
Ds	85 mm
G1	G1/4"-M
H	26.40 mm
LG1	10 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	85
Suction cup material	Natural Rubber NK
Suction force d2	175 N
Suction force (-600mbar)	300 N
Lateral force	210 N
Volume	25 cm ³
Curve radius (min) (convex)	176 mm

Contact Schmalz

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Hose diameter (rec.) d	6 mm
Number of folds	0
Weight	96.50 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 14.5x1 MS-A2 0.103/0.15

Part no.:10.05.03.00023

External diameter D: 14.5 mm

Length L: 1 mm

Material: Brass / Stainless steel

Spare parts



RED-NIP G1/4-AG M10x1.25-AG AL

Part no.:10.01.01.12194

Thread G1: G1/4"-M

Material: Aluminum

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SHF 85 NK-45 M10x1.25-IG E

Part no...:10.01.01.12209

Size: 85

Thread G1: M10x1.25-F

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Type: E