

Flat suction cup (round)

SHFN 70 NK-45 G1/4-AG E TV

Part no.: 10.01.01.12221

<https://www.schmalz.com/10.01.01.12221>

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 E TV

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

Connection: G1/4-AG

Type: E

Design Data



Attribute	Value
d2	48 mm
dn	4.40 mm
Dmax(S)	74 mm
Ds	70 mm
G1	G1/4"-M
H	33.40 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	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

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Hose diameter (rec.) d	6 mm
Number of folds	0
Weight	67 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



TVN G1/4-AG 9 N009

Part no.:10.05.10.00065

Thread G1: G1/4"-M

Thread G2: M10x1.25-M

Spring stroke Z: 9 mm

Nipple: N 009

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SHF 70 NK-45 M10x1.25-IG E

Part no...:10.01.01.12165

Size: 70

Thread G1: M10x1.25-F

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Type: E