

Flat suction cup (round)

SHFN 85 NK-45 G1/4-AG E TV

Part no.: 10.01.01.12224

<https://www.schmalz.co.jp/10.01.01.12224>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Flat Suction Cups (Round) > Flat Suction Cups SHFN > SHFN 85 NK-45 G1/4-AG E TV

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



Size: 85

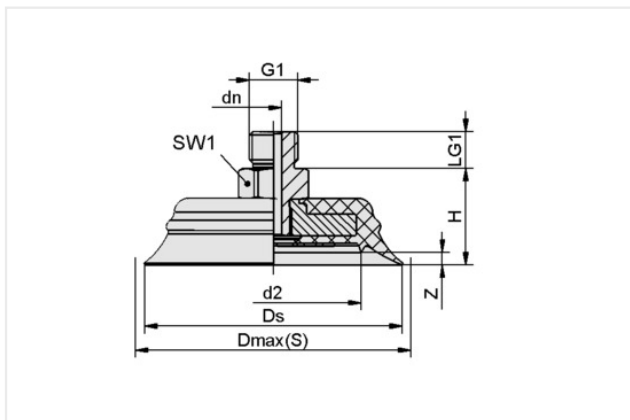
Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Connection: G1/4-AG

Type: E

Design Data



Attribute	Value
dn	4.40 mm
Dmax (S)	89 mm
Ds	85 mm
G1	G1/4"-M
H	33.40 mm
LG1	10 mm
SW1	17 mm
Z (Stroke)	4 mm
d2	62 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

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 85 NK-45 G1/4-AG E TV

Part no.: 10.01.01.12224

<https://www.schmalz.co.jp/10.01.01.12224>

Hose diameter (rec.) d	6 mm
Number of folds	0
Weight	99 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

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 85 NK-45 G1/4-AG E TV

Part no.: 10.01.01.12224

<https://www.schmalz.co.jp/10.01.01.12224>



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

Contact Schmalz

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