

Flat suction cup (round)

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

Part no.: 10.01.01.11780

<https://www.schmalz.com/10.01.01.11780>

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



Size: 85

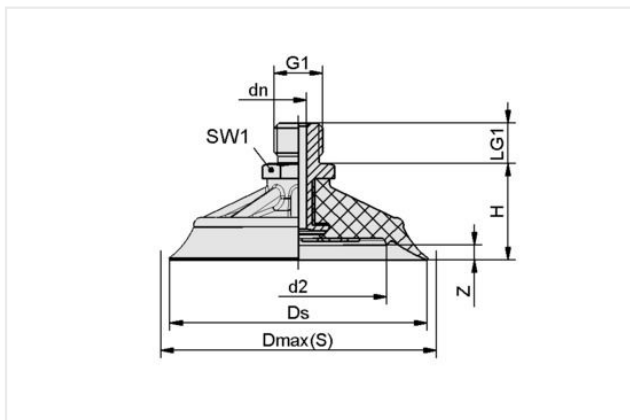
Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: G1/4-AG

Design Data



Attribute	Value
d2	50 mm
dn	4.40 mm
Dmax(S)	89 mm
Ds	85 mm
G1	G1/4"-M
H	32.20 mm
LG1	11 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	20.80 cm ³
Curve radius (min) (convex)	176 mm

Contact Schmalz

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Hose diameter (empf.) d	6 mm
Number of folds	0
Weight	53.60 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



TVN G1/4-AG 8.4 N041

Part no.:10.05.10.00058

Thread G1: G1/4"-M

Spring stroke Z: 8.4 mm

Nipple: N 041

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DR 60/50x5 S05 EPDM-15 KE

Part no...:10.01.06.01720

External diameter D: 60 mm

Internal diameter d: 50 mm

Height H: 5 mm

Material type: Foam S, Height 5 mm

Sealing material: EPDM

Material hardness [Shore A]: 15 Shore A

Add. function: Adhesive tape on one side



SHF 85 NK-45 N041 MOS

Part no...:10.01.01.11774

Size: 85

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A