

## 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>

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

### 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 <sup>3</sup> |
| 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

### Contact Schmalz

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