

## Flat suction cup (round)

SHFN 85 NK-45 G1/4-IG E

Part no.: 10.01.01.12211

<https://www.schmalz.com/10.01.01.12211>

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



Size: 85

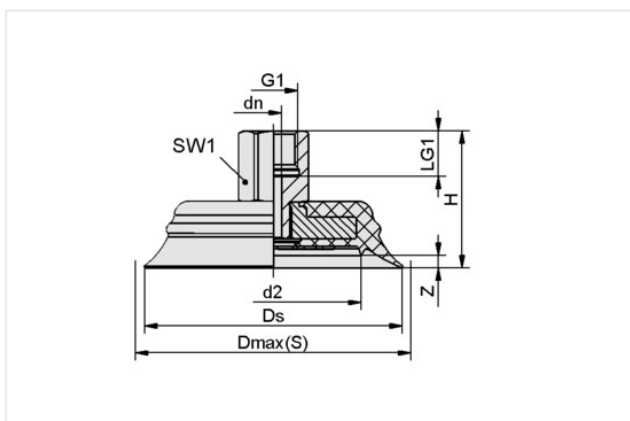
Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

Connection: G1/4-IG

Type: E

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 62 mm    |
| dn         | 4.40 mm  |
| Dmax(S)    | 89 mm    |
| Ds         | 85 mm    |
| G1         | G1/4"-F  |
| H          | 37.40 mm |
| LG1        | 12.40 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             |
| Hose diameter (rec.) d      | 6 mm               |

### Contact Schmalz

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|                 |       |
|-----------------|-------|
| Number of folds | 0     |
| Weight          | 100 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



**SA-NIP N009 G1/4-IG DN440**

Part no.:10.01.01.12192

Thread G1: G1/4"-F

Fitting length: 19.3 mm

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



**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