

## Flat suction cup (round)

SHFN 50 NK-45 G1/4-AG MOS-TV

Part no.:10.01.01.11700

<https://www.schmalz.com/10.01.01.11700>

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



Size: 50

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         | 21 mm    |
| dn         | 4.40 mm  |
| Dmax(S)    | 55 mm    |
| Ds         | 52 mm    |
| G1         | G1/4"-M  |
| H          | 32.20 mm |
| LG1        | 11 mm    |
| SW1        | 17 mm    |
| Z (Stroke) | 3 mm     |

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Size                        | 50                   |
| Suction cup material        | Natural Rubber NK    |
| Suction force d2            | 40 N                 |
| Suction force (-600mbar)    | 110 N                |
| Lateral force               | 95 N                 |
| Volume                      | 6.30 cm <sup>3</sup> |
| Curve radius (min) (convex) | 41 mm                |

### Contact Schmalz

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|                        |         |
|------------------------|---------|
| Hose diameter (rec.) d | 4 mm    |
| Number of folds        | 0       |
| Weight                 | 19.10 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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**SHF 50 NK-45 N041 MOS**

Part no...:10.01.01.11688

Size: 50

Suction cup material: Natural Rubber NK

Material hardness [Shore A]: 45 Shore A

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