



SHFN 50 NK-45 G1/4-AG MOS

Suction cup SHFN (elastomer part + connection nipple) is delivered assembled.
The assembly consists of:

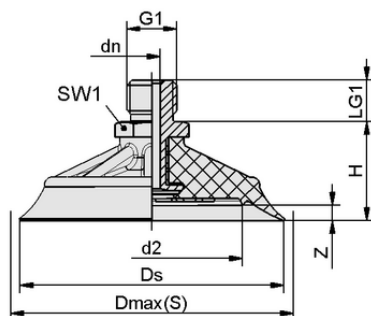
- Suction cup of type SHF – elastomer part, available in various diameters
- Connection nipple of type SA-NIP – available with various threads
- Optional product addition: sealing ring and touch valve

Available spare parts: suction cup SHF, connection nipple SA-NIP and RED-NIP, sealing ring, touch valve
Available accessories: filter screen (sieve, round)

Technical data

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	45.0 Shore A
Size	50.00
Connection	G1/4-AG
Nipple material	Aluminum

Design data



Attribute	Value
Height H	26.20 mm
Nominal diameter dn	4.40 mm
d2	21.0 mm
Thread G1	G1/4"-M
Thread length LG1	11.0 mm
Key width SW1	17.0 mm
Spring stroke Z	3.0 mm
Diameter Ds	52.0 mm
Diameter Dmax(S)	55.0 mm

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

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**Technical data**

Attribute	Value
Suction cup material	Natural rubber NK
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	41.0 mm
Suction force (-600mbar)	110.00 N
Weight	19.1 g
Lateral force	95.0 N
Volume	6.300 cm ³
Size	50.00
Suction force d2	40.00 N
Number of folds	0.0
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 even 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

**Further documentation**

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.01.11695

**Ordering Data Accessories 10.01.01.11695**

Typ	Item number
Sieve, round	SIEB 15x0.8 MS-A2 0.103/0.07 10.07.01.00211

**Ordering Data Spare Parts 10.01.01.11695**

Typ	Item number
Suction cup connection nipple	SA-NIP N041 G1/4-AG DN440 10.01.01.11772
Flat suction cup (round)	SHF 50 NK-45 N041 MOS 10.01.01.11688
Sealing ring	DR 28/21x3 C03 EPDM-15 KE 10.01.06.01679

