

SGPN 40 SI-50 G1/4-IG

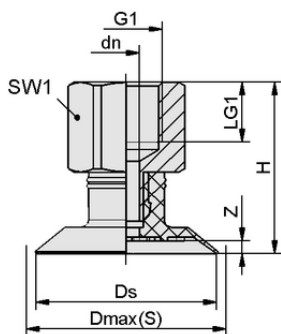
Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	50.0 Shore A
Size	40.00
Material characteristics	FDA
Vacuum connection	G1/4"-F
Nipple material	Aluminum

Flat suction cup SGPN (elastomer part + connection nipple) is delivered unassembled. The delivery consists of:

- Suction cup of type SGP – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup SGP, connection nipple SA-NIP



Design data SGPN 40 SI-50 G1/4-IG

Design data

Attribute	Value
Height H	35.60 mm
Nominal diameter dn	5.00 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	17.0 mm
Spring stroke Z	2.3 mm
Diameter Ds	40.0 mm
Diameter Dmax(S)	42.0 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	Silicone SI
Material hardness [Shore A]	50.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Suction force (-600mbar)	33.00 N
Weight	12.1 g
Volume	3.800 cm ³
Size	40.00
Number of folds	0.0
Product family	SGPN

Note: Suction force: The suction force values are theoretical values at -0.6 bar vacuum and a dry, smooth and even workpiece surface – they are specified without safety factors. Hose inner 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/10.01.01.12774

**Ordering Data Spare Parts 10.01.01.12774**

Typ	Item number
Suction cup connection nipple	SA-NIP N035 G1/4-IG DN550 10.01.01.00821

**Ordering Data Wear Parts 10.01.01.12774**

Typ	Item number
Flat suction cup (round)	SGP 40 SI-50 N035 10.01.01.12772

