



SGPN 20 NK-40 G1/8-AG

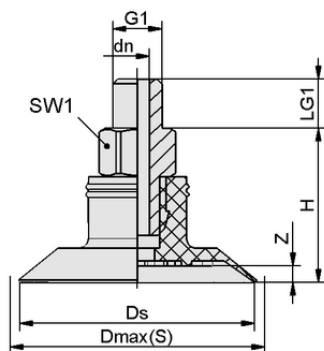
Technical data

Attribute	Value
Suction cup material	Natural rubber NK
Material hardness [Shore A]	40.0 Shore A
Size	20.00
Vacuum connection	G1/8"-M
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 20 NK-40 G1/8-AG

Design data

Attribute	Value
Height H	16.40 mm
Nominal diameter dn	3.50 mm
Thread G1	G1/8"-M
Thread length LG1	7.5 mm
Key width SW1	14.0 mm
Spring stroke Z	1.5 mm
Diameter Ds	20.0 mm
Diameter Dmax(S)	22.0 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
Material hardness [Shore A]	40.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Suction force (-600mbar)	8.50 N
Weight	4.9 g
Volume	0.600 cm ³
Size	20.00
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/10.01.01.10316

**Ordering Data Spare Parts 10.01.01.10316**

Typ	Item number
Suction cup connection nipple	SA-NIP N016 G1/8-AG DN350 10.01.06.05735

**Ordering Data Wear Parts 10.01.01.10316**

Typ	Item number
Flat suction cup (round)	SGP 20 NK-40 N016 10.01.01.10319

