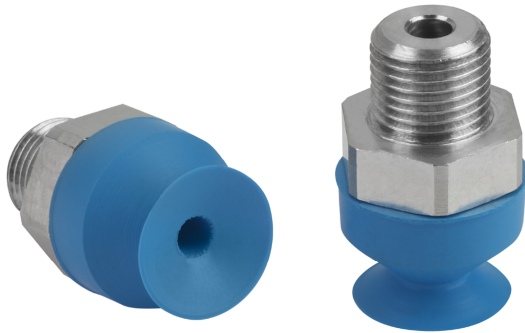
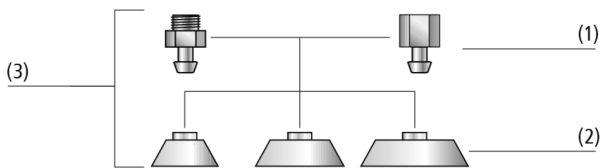


Flat Suction Cups SGAN

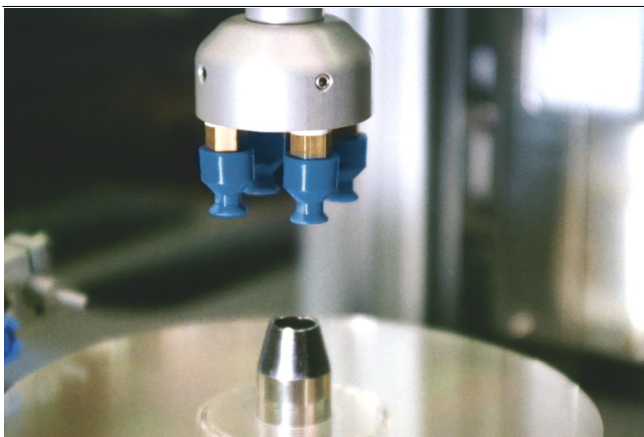
Suction area (Ø) from 7 mm to 16 mm



Flat Suction Cups SGAN



System Design Flat Suction Cups SGAN



Flat suction cups SGAN being used for handling CDs and DVDs

Designation Code Flat Suction Cups SGAN

Suitability for Industry Specific Applications

Applications

- Round flat suction cups for handling CDs, DVDs, veneer, wafers, and solar cells.

Design

- Robust and wear-resistant suction cup SGAN (3) with single sealing lip, consisting of suction cup SGA (2) and connection nipple (1)
- Connection nipple is plugged in on cups of all sizes
- With each nipple family, the replacement cups and nipples can be combined as desired

Product Highlights

- Soft, flexible sealing lip for particularly sensitive workpieces, such as wafers
- Special material silicone SI covers a wide range of temperature
- Special material polyurethane PU ensures long life and high resistance
- Especially suitable for multi-shift operation with very fast cycle times

Flat Suction Cups SGAN

Suction area (Ø) from 7 mm to 16 mm

**1 – Abbreviated designation**

Code	Version
SGAN	Flat

2 – Suction area

Code	Diameter in mm
7...16	ø 7 to 16

3 – Material

Code	Material
PU-60	Polyurethane
SI-55	Silicone

4 – Connection

Code	Connection
M5-AG	M5-AG (AG = male (M))
M5-IG	M5-IG (IG = female (F))
G1/8-AG	G1/8-AG
G1/8-IG	G1/8-IG

Suction cup SGAN (elastomer part + connection nipple) is delivered unassembled. The delivery consists of:

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

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

Ordering Data Flat Suction Cups SGAN

Type				Suction cup material with ShA: *	
				PU-60	SI-55
SGAN	7	M5-F	10.01.01.00799	10.01.01.00797	
SGAN	7	M5-M	10.01.01.00800	10.01.01.00798	
SGAN	9	M5-F	10.01.01.00803	10.01.01.00801	
SGAN	9	M5-M	10.01.01.00804	10.01.01.00802	
SGAN	13	G1/8"-F	10.01.01.00807	10.01.01.00805	
SGAN	13	G1/8"-M	10.01.01.00808	10.01.01.00806	
SGAN	16	G1/8"-F	10.01.01.00811	10.01.01.00809	
SGAN	16	G1/8"-M	10.01.01.00812	10.01.01.00810	

*Additional material specifications at beginning of the section "Vacuum Suction Cups"

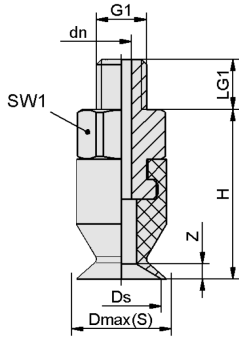
Technical Data Flat Suction Cups SGAN

Type	Material	Suction force (-600 mbar) [N]	Volume [cm ³]	Workpiece radius min. (convex) [mm]	d [mm]	Nipple family
SGAN 13 PU-60 G1/8-AG	Polyurethane PU	4.7	0.441	13	4	N 029
SGAN 16 SI-55 G1/8-AG	Silicone SI	6.9	0.607	15	4	N 029
SGAN 16 SI-55 G1/8-IG	Silicone SI	6.9	0.607	15	4	N 029
SGAN 7 PU-60 M5-AG	Polyurethane PU	1.6	0.186	8	2	N 028
SGAN 7 SI-55 M5-AG	Silicone SI	1.6	0.186	8	2	N 028
SGAN 7 SI-55 M5-IG	Silicone SI	1.6	0.186	8	2	N 028

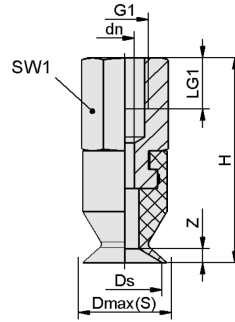
Flat Suction Cups SGAN

Suction area (\emptyset) from 7 mm to 16 mm

Design Data Flat Suction Cups SGAN



SGAN 7 - 16 AG



SGAN 7 - 16 IG

Flat Suction Cups SGAN

Suction area (\emptyset) from 7 mm to 16 mm

Design Data Flat Suction Cups SGAN

Type	dn [mm]	Dmax(S) [mm]	Ds [mm]	G1	H [mm]	LG1 [mm]	SW1 [mm]	Spring stroke Z [mm]
SGAN 7 PU-60 M5-AG	2.0	8	7	M5-M	17	5.0	8	1.0
SGAN 7 PU-60 M5-IG	2.0	8	7	M5-F	22	5.5	8	1.0
SGAN 9 PU-60 M5-AG	2.0	9	8	M5-M	17	5.0	8	1.5
SGAN 9 PU-60 M5-IG	2.0	9	8	M5-F	22	5.5	8	1.5
SGAN 13 PU-60 G1/8-AG	3.0	14	12	G1/8"-M	17	8.0	14	2.0
SGAN 13 PU-60 G1/8-IG	3.0	14	12	G1/8"-F	25	8.0	14	2.0
SGAN 16 PU-60 G1/8-AG	3.0	18	15	G1/8"-M	17	8.0	14	2.0
SGAN 16 PU-60 G1/8-IG	3.0	18	15	G1/8"-F	25	8.0	14	2.0