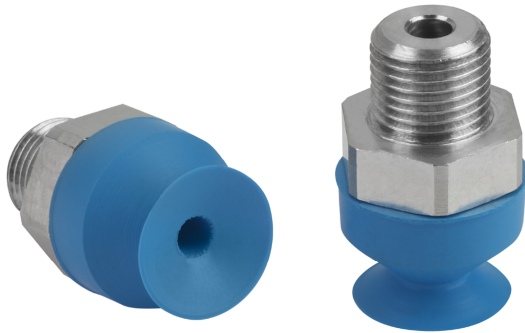
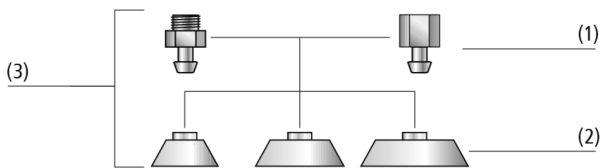


# Flat Suction Cups SGAN

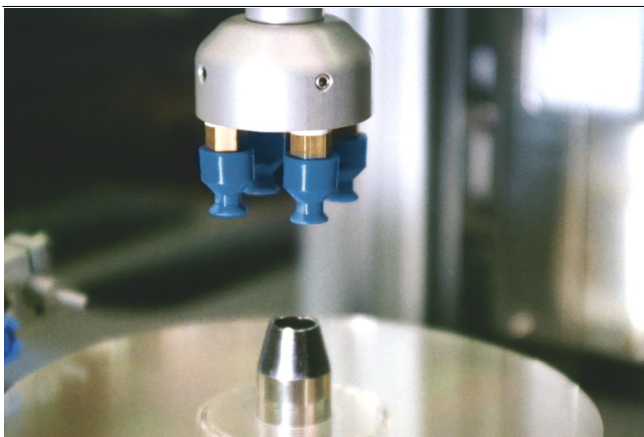
Suction area (Ø) from 7 mm to 16 mm



Flat Suction Cups SGAN



System design Flat Suction Cups SGAN



Flat suction cups SGAN being used for handling CDs and DVDs

## Suitability for industry specific applications

### Application

- 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

## Designation code Flat Suction Cups SGAN

# 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"

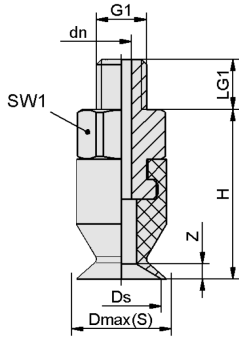
## Technical data Flat Suction Cups SGAN

Type	Material	Suction force (-600 mbar) [N]	Volume [cm <sup>3</sup> ]	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

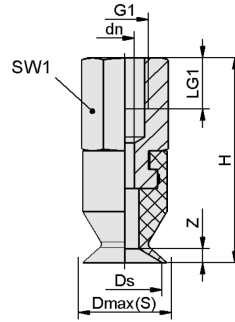
# Flat Suction Cups SGAN

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 (Ø) 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