



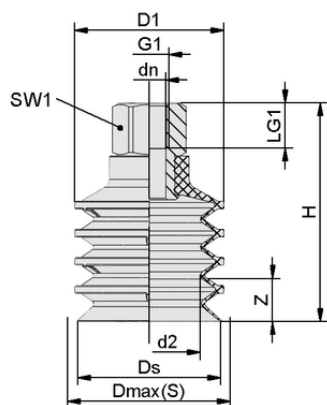
Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	50.00
Number of folds	4.5
Vacuum connection	G3/8"-F
Nipple material	Aluminum

FSGC 50 NBR-55 G3/8-IG

The suction cup FSGC (elastomer part + connection element) is delivered assembled. The product consists of:

- Suction cup type FGC - elastomer part, available in different diameters
- Connection element type SC - available with various threads



Design data

Attribute	Value
Height H	72.50 mm
Outside diameter D1	49.5 mm
Nominal diameter dn	11.00 mm
d2	34.5 mm
Thread G1	G3/8-IG
Thread length LG1	12.0 mm
Key width SW1	22.0 mm
Spring stroke Z	31.0 mm
Diameter Ds	47.0 mm
Diameter Dmax(S)	51.0 mm
Vacuum connection	G3/8"-F

Design data FSGC 50 NBR-55 G3/8-IG

Art.-Nr.: 10.01.06.05659

**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	9.0 mm
Suction force (-600mbar)	55.00 N
Volume	52.400 cm ³
Size	50.00
Number of folds	4.5
Product family	FSGC
Nipple material	Aluminum
Pull-off force (real)	59.00 N

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/10.01.06.05659

**Ordering Data Spare Parts 10.01.06.05659**

Typ		Item number
Bellows suction cup (round)	FGC 50 NBR-55 SC080	10.01.06.04920
Schmalz-Connector	SC 080 G3/8-IG	10.01.06.02594

