



Technical data

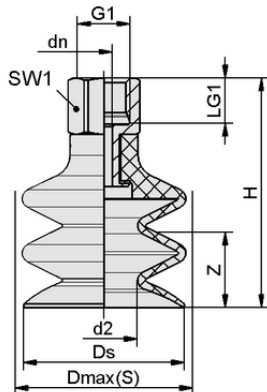
Attribute	Value
Suction cup material	Nitrile rubber NBR-ESD
Material hardness [Shore A]	55.0 Shore A
Size	20.00
Number of folds	2.5
Connection	G1/8"-F
Vacuum connection	G1/8"-F
Nipple material	Aluminum

FSG 20 NBR-ESD-55 G1/8-IG

Suction cup FSG (elastomer part + connection nipple) is delivered unassembled (assembled from a diameter of 32 mm). The delivery consists of:

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

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



Design data

Attribute	Value
Height H	34.10 mm
Nominal diameter dn	3.50 mm
d2	10.5 mm
Thread G1	G1/8"-F
Thread length LG1	8.5 mm
Key width SW1	14.0 mm
Spring stroke Z	9.0 mm
Diameter Ds	20.0 mm
Diameter Dmax(S)	21.0 mm

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

Design data FSG 20 NBR-ESD-55 G1/8-IG



Art.-Nr.: 10.01.06.04344

**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR-ESD
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	30.0 mm
Pull-off force	12.10 N
Suction force (-600mbar)	5.20 N
Weight	6.40 g
Volume	2.298 cm ³
Size	20.00
Number of folds	2.5
Product family	FSG
Connection	G1/8-IG

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even workpiece surface - they do not include a safety factor Pull-off force: The pull-off force of the versions made of natural rubber is reduced by about 40% Hose 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/10.01.06.04344

**Ordering Data Spare Parts 10.01.06.04344**

Typ		Item number
Bellows suction cup (round)	FG 20 NBR-ESD-55 N062	10.01.06.04235
Suction cup connection nipple	SA-NIP N062 G1/8-IG DN350	10.01.06.05669

