

## Bellows suction cups (round)

FSG 12 NBR-55 G1/8-IG

Part no...:10.01.06.00559

<https://www.schmalz.com/10.01.06.00559>

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### Bellows suction cup (round) for very uneven workpieces



Size: 12

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

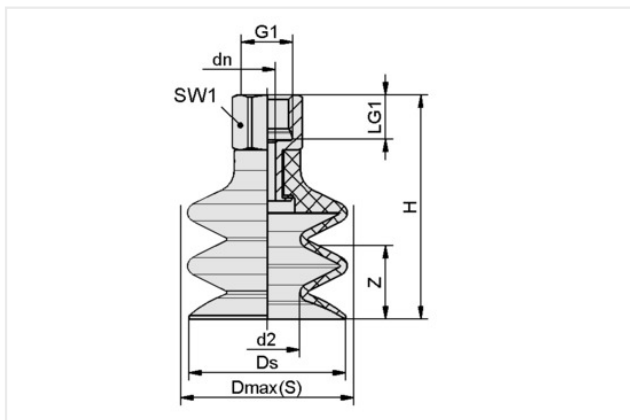
Nipple material: Aluminum

Connection: G1/8"-F

Number of folds: 2.5

Vacuum connection: G1/8"-F

### Design Data



Attribute	Value
d2	5 mm
dn	3.50 mm
Dmax(S)	13 mm
Ds	12 mm
G1	G1/8"-F
H	33 mm
LG1	8.50 mm
SW1	14 mm
Z (Stroke)	7 mm

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

### Technical Data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55 Shore A
Size	12
Number of folds	2.50
Connection	G1/8-IG
Curve radius (min) (convex)	12.50 mm
Volume	0.60 cm <sup>3</sup>

### Contact Schmalz

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Suction force (-600mbar)	1.18 N
Pull-off force	3.50 N
Hose diameter (rec.) d	4 mm
Weight	5.30 g
Product family	FSG

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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

### Accessories



#### SPI 14 PEEK

Part no.:10.01.06.03282

Size: 14

Material: Polyetheretherketon

### Spare parts



#### SA-NIP N016 G1/8-IG DN350

Part no.:10.01.06.05731

Nipple family: N 016

Thread G1: G1/8"-F

Length L1: 18.5 mm

Fitting length: 12 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum

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### FG 12 NBR-55 N016

Part no...:10.01.06.00557

Size: 12

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5

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