

Bellows suction cups (round)

FSG 20 NBR-55 M5-AG

Part no.:10.01.06.00029

<https://www.schmalz.com/10.01.06.00029>

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Bellows suction cup (round) for very uneven workpieces



Size: 20

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

Design Data



Attribute	Value
d2	10.50 mm
dn	2.50 mm
Dmax(S)	21 mm
Ds	20 mm
G1	M5-M
H	27.10 mm
LG1	5 mm
SW1	7 mm
Z (Stroke)	9 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	20
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	30 mm
Volume	2 cm ³

Contact Schmalz

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Suction force (-600mbar)	5.20 N
Pull-off force	12.10 N
Hose diameter (rec.) d	2 mm
Weight	3.30 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



FD 16 120

Part no.:10.01.06.02565

External diameter D: 16 mm

Filter pore size: 120 µm

Construction use: Bellows suction cup

Size: FG20/FGA20



SPI 21 PEEK

Part no.:10.01.06.03285

Size: 21

Material: Polyetheretherketon

Spare parts

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SA-NIP N016 M5-AG DN250

Part no.:10.01.06.00123

Nipple family: N 016

Thread G1: M5-M

Length L1: 16 mm

Fitting length: 5 mm

Nominal diameter dn: 2.5 mm

Material: Aluminum



FG 20 NBR-55 N016

Part no.:10.01.06.00054

Size: 20

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5