

Bellows suction cups (round)

FSGPL 120 HT1-60 G1/2-IG

Part no.: 10.01.06.03151

<https://www.schmalz.co.jp/10.01.06.03151>

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Bellows suction cup (round) for large, heavy and uneven workpieces



Size: 120

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

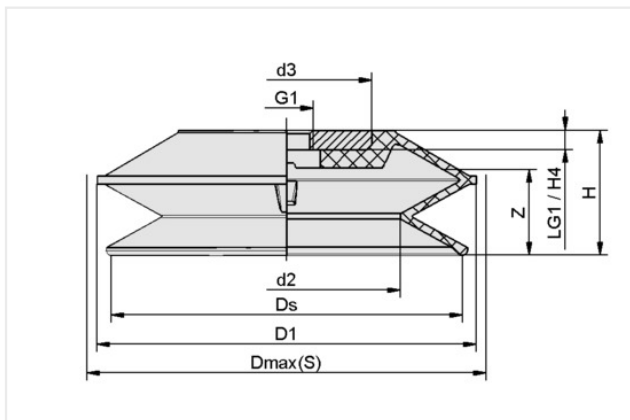
Material property: non-marking

Nipple material: Steel

Vacuum connection: G1/2"-F

Number of folds: 1.5

Design Data



Attribute	Value
d2	79.30 mm
d3	69.40 mm
D1	127.80 mm
Dmax (S)	135 mm
Ds	118.20 mm
G1	G1/2"-F
H	51 mm
H4	8 mm
LG1	8 mm
Z (Stroke)	35.70 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	280 N
Volume	295.20 cm ³
Curve radius (min) (convex)	150 mm
Hose diameter (rec.) d	12 mm
Size	120
Suction cup material	High temperature material HT1
Material hardness [Shore A]	60 Shore A

Contact Schmalz

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Weight	332 g
Number of folds	1.50
Product family	FSGPL

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 Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m