



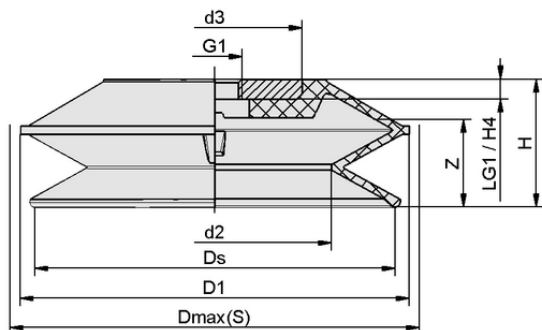
FSGPL 120 NBR-55 G1/2-IG

Suction cup FSGPL, available in various diameters, is delivered with support plate vulcanized to elastomer part.

Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	120.00
Number of folds	1.5
Vacuum connection	G1/2"-F
Nipple material	Steel

Design data



Design data FSGPL 120 NBR-55 G1/2-IG

Attribute	Value
Height H	51.00 mm
Outside diameter D1	127.8 mm
d2	79.3 mm
Thread G1	G1/2"-F
Thread length LG1	8.0 mm
Hole size d3	69.4 mm
Spring stroke Z	35.7 mm
Diameter Ds	118.2 mm
Height H4	8.00 mm
Diameter Dmax(S)	135.0 mm

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

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**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	12.0 mm
Workpiece radius min. (convex)	150.0 mm
Pull-off force	400.00 N
Suction force (-600mbar)	280.00 N
Weight	351.0 g
Volume	295.203 cm ³
Size	120.00
Number of folds	1.5
Product family	FSGPL

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/10.01.06.02933

