

Bellows suction cup (round) FG 3 SI-55 N055



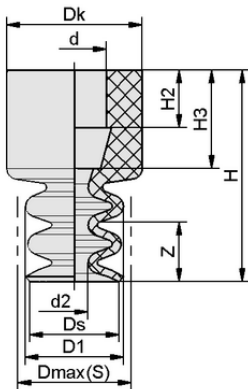
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FG 3 SI-55 N055

Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	3.00
Number of folds	2.5
Material characteristics	FDA-compatible



Design data FG 3 SI-55 N055

Design data

Attribute	Value
Height H2	2.10 mm
Height H	6.70 mm
Outside diameter D1	3.6 mm
Head diameter Dk	3.6 mm
Internal diameter d1	2.3 mm
d2	1.8 mm
Internal diameter d	1.70 mm
Spring stroke Z	1.1 mm
Diameter Ds	3.0 mm
Height H3	2.70 mm
Diameter Dmax(S)	4.0 mm

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



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**Technical data**

Attribute	Value
Nipple family	N 055
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	4.0 mm
Pull-off force	0.40 N
Suction force (-600mbar)	0.15 N
Volume	0.022 cm ³
Size	3.00
Number of folds	2.5
Product family	FG

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/10.01.06.03705

