



PFYN 2 NBR-55 M3-AG

Suction cup PFYN (elastomer part + connection nipple) is delivered unassembled (diameters of 120 mm and more are assembled). The delivery consists of:

- Suction cup of type PFG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup PFG, connection nipple SA-NIP

Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	2.00
Vacuum connection	M3-M
Nipple material	Aluminum



Design data PFYN 2 NBR-55 M3-AG

Design data

Attribute	Value
Height H	6.00 mm
Nominal diameter dn	1.00 mm
Thread G1	M3-M
Thread length LG1	3.0 mm
Key width SW1	5.0 mm
Spring stroke Z	0.5 mm
Diameter Ds	2.0 mm
Diameter Dmax(S)	2.5 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	2.0 mm
Workpiece radius min. (convex)	2.0 mm
Suction force (-600mbar)	0.12 N
Weight	1.0 g
Volume	0.001 cm ³
Size	2.00
Number of folds	0.0
Product family	PFYN

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/10.01.01.00276

**Ordering Data Spare Parts 10.01.01.00276**

Typ	Item number
Suction cup connection nipple	SA-NIP N003 M3-AG DN100 10.01.01.00316

**Ordering Data Wear Parts 10.01.01.00276**

Typ	Item number
Flat suction cup (round)	PFG 2 NBR-55 N003 10.01.01.00003

