

Bellows Suction Cups with Sealing Ring

Suction area (Ø) from 33 mm to 200 mm



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Suitability for industry specific applications

Application

- Handling of workpieces with uneven surfaces, such as wooden boards with grooved structure or sawed surface
- Handling of cardboards with uneven surfaces made possible by folds
- Energy-efficient handling of workpieces despite uneven workpiece surfaces

Design

- Suction cups from the series FSGA and FSGPL with integrated sealing ring
- Bellows suction cup FSGPL with 1.5 folds with vulcanize insert
- Suction cup FSGA with 1.5 folds, consists of suction cup FGA and a suction cup connection nipple (connection nipple attached)

Product highlights

- Standard bellows suction cup with integrated sealing ring for use on uneven surfaces, easy changeover
- Energy-efficient handling despite uneven workpiece surface thanks to optimally sealing of sealing ring and bellows suction cup
- Sealing rings made of adaptable and wear-resistant special material guarantee long service life and flexible use

Designation code Bellows Suction Cups with Sealing Ring

FSGPL	-	100	-	NBR-55	-	G1/2-IG	-	DR
1		2		3		4		5

1 – Abbreviated designation

Code	Version
FSGA	1.5 folds
FSGPL	1.5 folds

2 – Suction area

Code	Diameter in mm
33...200	ø 33 to 200

3 – Material and Shore hardness

Code	Material
NK-45	Natural rubber
NBR-55	Nitrile caoutchuc

4 – Connection

Code	Connection
G1/4-AG	G1/4-AG (AG = male (M))
G1/4-IG	G1/4-IG (IG = female (F))
G1/2-IG	G1/2-IG

5 – Product addition

Code	Type
DR	Sealing ring

Bellows suction cup with sealing ring, available in various diameters, delivered with sealing ring glued on.

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Ordering data Bellows Suction Cups with Sealing Ring

Type	Part no.
FSGA 33 NK-45 G1/4-AG DR	10.01.06.01666
FSGA 33 NK-45 G1/4-IG DR	10.01.06.01668
FSGA 53 NK-45 G1/4-AG DR	10.01.06.02928
FSGA 78 NK-45 G1/4-AG DR	10.01.06.02980

Type	Part no.
FSGPL 100 NBR-55 G1/2-IG DR	10.01.06.02978
FSGPL 120 NBR-55 G1/2-IG DR	10.01.06.02993
FSGPL 150 NBR-55 G1/2-IG DR	10.01.06.02672
FSGPL 200 NBR-55 G1/2-IG DR	10.01.06.02985

Technical data Bellows Suction Cups with Sealing Ring

Type	Suction force (-600 mbar) [N]	Pull-off force [N]	Volume [cm ³]	Workpiece radius min. (convex) [mm]	Hose inner diameter (recom.) d [mm]	Nipple family
FSGA 33 NK-45 G1/4-AG DR	-	-	-	40	-	N 018
FSGA 33 NK-45 G1/4-IG DR	-	-	-	-	-	N 018
FSGA 53 NK-45 G1/4-AG DR	52	95	29	100	6	N 018
FSGA 78 NK-45 G1/4-AG DR	138	218	80	100	6	N 019
FSGPL 100 NBR-55 G1/2-IG DR	-	-	150	100	12	-
FSGPL 120 NBR-55 G1/2-IG DR	-	-	291	150	12	-
FSGPL 150 NBR-55 G1/2-IG DR	370	500	444	250	12	-
FSGPL 200 NBR-55 G1/2-IG DR	-	-	-	-	12	-