

Bellows suction pads (round)

Bellows suction pads FSGB (3.5 folds)



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Our highlights...

- Optimized shape with 3.5 folds
- Soft, tapered sealing lip
- Soft, flexible folds

Your advantages...

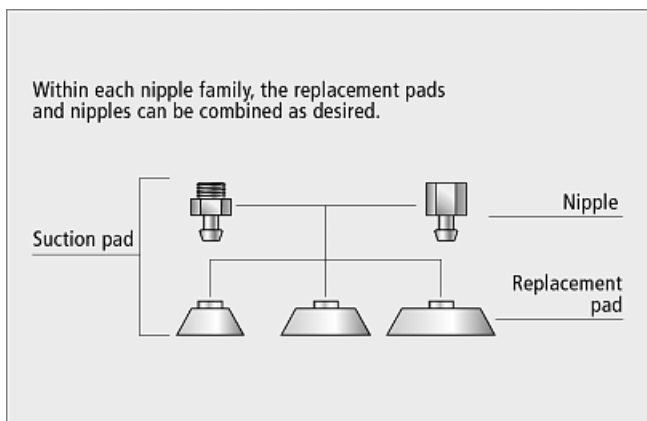
- >High suction force and extremely good damping effect during placement on easily damaged workpieces
- >Very good adaptation to curved workpiece surfaces
- >Very long suction-pad stroke; excellent compensation for varying workpiece heights



Handling of pipes with adaptable bellows suction pads FSG and FSGB

Applications

- Handling of easily damaged workpieces (folds provided optimum damping effect, inner support prevents pulling-in of workpiece)
- Handling of very uneven workpieces, such as pipes (Corrugations permit optimal adaptation to concave and convex surfaces)
- Handling of workpieces which have to be lifted as carefully as possible (suction pad has very long stroke)
- Many different materials available (see material overview)



Modular suction-pad system

Construction

- Robust and hard-wearing suction pad FSGB with single sealing lip, consisting of suction pad FGB with 3.5 folds and connection nipple
- Nipple is plugged into suction pad
- Suction pads are delivered unassembled



Suitability for branch-specific applications

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Vacuum suction pads
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Designation code Bellows suction pads FSGB (3.5 folds)

Short designation	Diameter in mm	Material and shore hardness	Connection thread
Example: FSGB	25	NBR-55	G1/8-AG
FSGB...with connection thread	25	NBR-55	G1/8-AG (AG = male)
FGB...without connection thread		SI-55	G1/8-IG (IG = female)

Ordering data Bellows suction pads FSGB (3.5 folds)

Type	Suction pad material * / hardness in Shore A	
	Perbunan NBR 55±5ShA	Silicone SI 55±5ShA
FSGB 25 G1/8-AG	10.01.06.00112	10.01.06.00113
FSGB 25 G1/8-IG	10.01.06.00110	10.01.06.00111

*See Section 2, "Basic Principles of Suction-Pad Materials" for further details of materials

Ordering data spare parts suction pads and suction pad nipples

Type	Perbunan NBR 55±5ShA	Silicone SI 55±5ShA	Type	Suction-pad connection nipple	
FGB 25	10.01.06.00109	10.01.06.00108	FSGB 25 G1/8-AG	SA-NIP N016 G1/8-AG DN350	10.01.06.05735
			FSGB 25 G1/8-IG	SA-NIP N016 G1/8-IG DN350	10.01.06.05731

Technical data Bellows suction pads FSGB (3.5 folds)

Type	Suction force [N]*	Pull-off force [N]*	Volume [cm³]	Min. curve radius [mm] (convex)	Recom. internal hose diameter d [mm]	Nipple family
FSGB 25	5	20	7,5	25	4	N 016

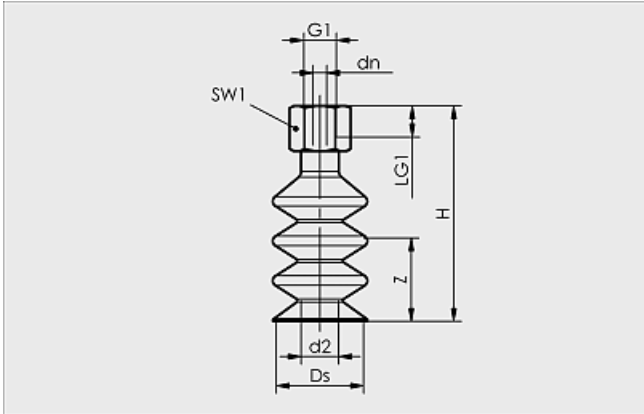
*The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface - they do not include a safety factor

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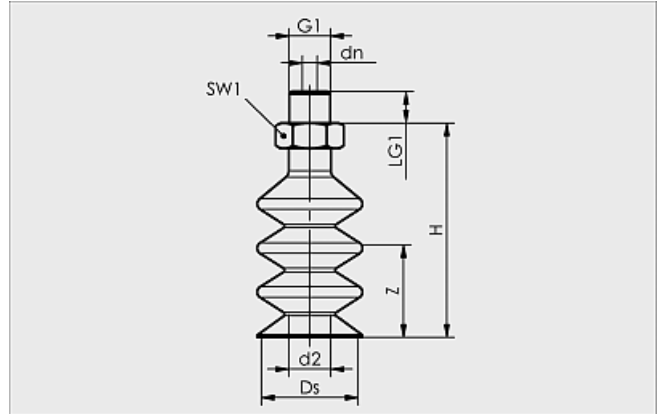
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Design data Bellows suction pads FSGB (3.5 folds)



FSGB 25 IG

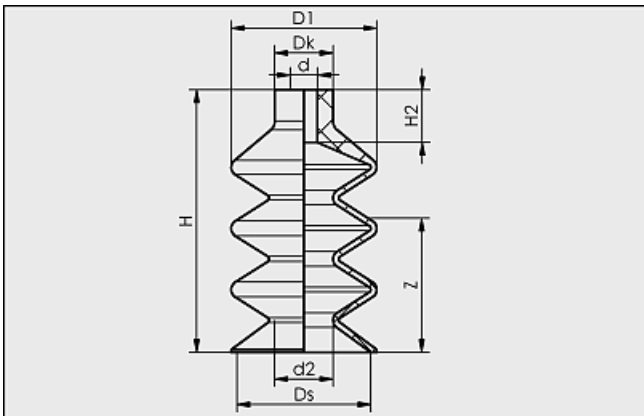


FSGB 25 AG

Type	Dimensions in mm*							
	d2	dn	Ds	G1	H	LG1	SW1	Z (Stroke)
FSGB 25 G1/8-AG	10	3,5	23	G1/8"-M	51	7,5	14	22
FSGB 25 G1/8-IG	10	3,5	23	G1/8"-F	57	8,5	14	22

*Acceptable dimensional tolerances for rubber parts concerning to M3 - DIN 7715

Design data Bellows suction pads FGB (3.5 folds)



FGB 25

Type	Dimensions in mm*							
	d	d2	D1	Dk	Ds	H	H2	Z (Stroke)
FGB 25	5	10	25	10	23	43	9	22

*Acceptable dimensional tolerances for rubber parts concerning to M3 - DIN 7715