AIRBEST

SBP Series

PU Bellows Suction Cup

PACKAGING LONG LIFETIME

Features

◇ 1.5 bellows. It has good sealing performance for workpiece with uneven surface and height compensation during handling.
◇ PU material, good wear resistance and oil resistance.
◇ Various sizes for option.
◇ Good elasticity and high tensile strength.
◇ Long lifetime, the lifetime is 2-4 times longer than other material.

Applications

◇ Sheet metal
◇ Smooth steel plate
◇ Carton

How to order

SBP 10 UY – M5M
① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SBP	**10** – ϕ10mm **15** – ϕ15mm **20** – ϕ20mm **30** – ϕ30mm **40** – ϕ40mm **50** – ϕ50mm **70** – ϕ70mm	**U** – PU 60 **UY** – PU 40 **UD** – PU 30 60	**Nil** – Suction cup only **M5M** – M5 Male thread **G1F** – G1/8 Female thread **G1M** – G1/8 Male thread **G2F** – G1/4 Female thread **G2M** – G1/4 Male thread **G3F** – G3/8 Female thread **G3M** – G3/8 Male thread

Selection

Model/Connection thread	M5M	G1F	G1M	G2F	G2M	G3F	G3M
SBP10 – 15	●	–	–	–	–	–	–
SBP20 – 40	–	●	●	–	–	–	–
SBP50	–	–	–	●	●	●	●
SBP70	–	–	–	–	–	●	●

◇ Note : "●"-default, in stock: "–"unavailable.

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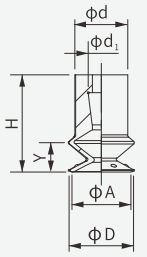
Technical parameters

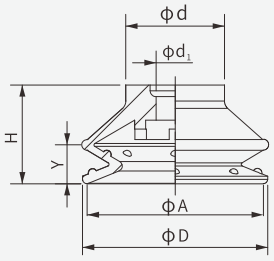
Model	Pull-out force (N)	Inner volume (cm^3)	Min. curve radius of workpiece(mm)	Recommended hose diameter(mm)
SBP10	3.5	0.2	10	6
SBP15	7.9	0.5	25	6
SBP20	14	2	31	6
SBP30	31	4	47	6
SBP40	56.5	9	59	6
SBP50	88	17	68	8
SBP70	173	55	91	10

◇ Note: Testing vacuum level: –60kPa. Testing Workpiece: smooth and clean surface. The data of pull–out force as above are figured out without considering safety factor. The data may be different according to different workpiece surfaces.

Dimensions(mm)

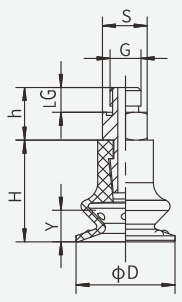


SBP10–15

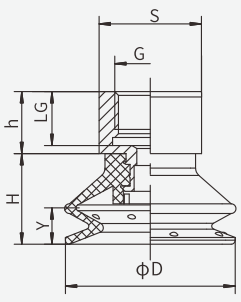


SBP20–50

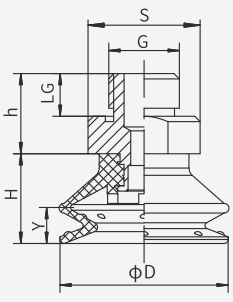
Model/Size	D	H	A	d	d_1	Y
SBP10	10.9	16.5	10	9	5	5
SBP15	16	19	15	9	5.5	5.8
SBP20	21	18	20	12	5	7.5
SBP30	31.5	16.8	30	16.8	6.5	6.6
SBP40	42	22.4	40	22.4	6.5	8.8
SBP50	52.5	29.3	50	28	10.5	12.3



SBP10–15 Male thread connection



SBP20–50 Female thread connection



SBP20–50 Male thread connection

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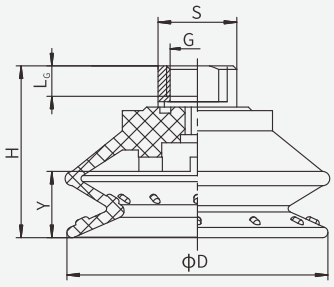
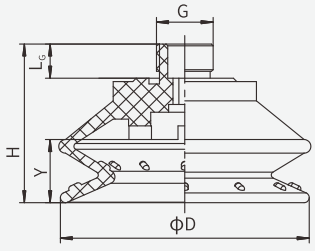
Dimensions(mm)

Model/Size	D	H	G	h	L_G	Y	S
SBP10–M5M	10.9	16.5	M5	7.5	3.5	5	7
SBP15–M5M	16	19	M5	7.5	3.5	5.8	7
SBP20–G1F	21	18	G1/8	8	7	7.5	13
SBP20–G1M	21	18	G1/8	7.8	6	7.5	13
SBP30–G1F	31.5	16.8	G1/8	10	7	6.6	17
SBP30–G1M	31.5	16.8	G1/8	12	6	6.6	17
SBP40–G1F	42	22.4	G1/8	10	7	8.8	17
SBP40–G1M	42	22.4	G1/8	12	6	8.8	17
SBP50–G2F	52.5	29.3	G1/4	13	10	12.3	24
SBP50–G2M	52.5	29.3	G1/4	17	9	12.3	24
SBP50–G3M	52.5	29.3	G3/8	13	10	12.3	24
SBP50–G3F	52.5	29.3	G3/8	18	11	12.3	24



SBP70 Female thread connection



SBP70 Male thread connection

Model/Size	D	H	G	L_G	Y	S
SBP70–G3F	73	48	G3/8	11.5	16.5	22
SBP70–G3M	73	46.5	G3/8	10	16.5	–

Mounting parts

Item	Model		Applicable suction cup
	F – Female thread	M – Male thread	
Fitting for suction cup	–	PJS–M5M–SC3	SBP10、15
	PJS–G1F–SF1–EW	PJS–G1M–SF1–EW	SBP20
	PJS–G1F–SF2–EW	PJS–G1M–SF2–EW	SBP30、40
	PJS–G2F–SF3–EW	PJS–G2M–SF3–EW	SBP50
	PJS–G3F–SF3–EW	PJS–G3M–SF3–EW	SBP50

◇ Note: Please refer to page 22 for mounting parts selection.