

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.

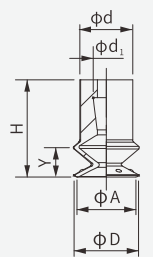
SB
SBA
SBB
SBF
SBOF
SFT
SFA
STP
SBL
SBLP
SBS
SF
SU
SUF
SFG
SFU
STC
SFF
SFM
SDM
SHT
SOFA
SOB
SOF
SOG
SFP
SBP
SXP
SGP
SOL
SH
SHB
SZ
SAN
SAO
SPA
SPC
SPF
SPJ
SPU
SNP
SOP

Technical parameters

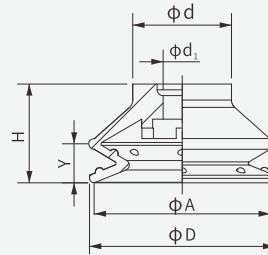
Model	Pull-out force (N)	Inner volume (cm ³)	Min. curve radius of workpiece(mm)	Recommended hose diameter(mm)
SBP10	3.5	0.2	10	6
SBP15	7.9	0.5	25	6
SBP20	14	2	31	6
SBP30	31	4	47	6
SBP40	56.5	9	59	6
SBP50	88	17	68	8
SBP70	173	55	91	10

◇ 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)

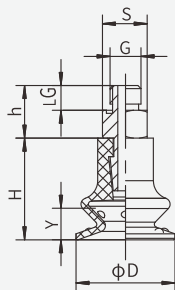


SBP10-15

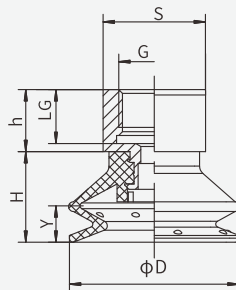


SBP20-50

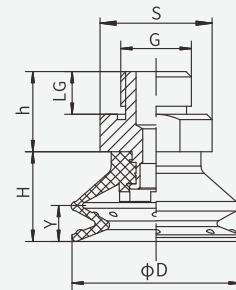
Model/Size	D	H	A	d	d ₁	Y
SBP10	10.9	16.5	10	9	5	5
SBP15	16	19	15	9	5.5	5.8
SBP20	21	18	20	12	5	7.5
SBP30	31.5	16.8	30	16.8	6.5	6.6
SBP40	42	22.4	40	22.4	6.5	8.8
SBP50	52.5	29.3	50	28	10.5	12.3



SBP10-15 Male thread connection



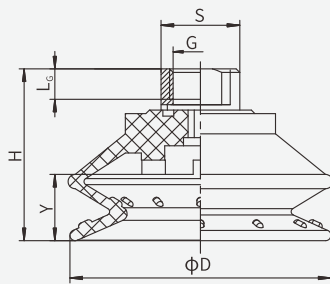
SBP20-50 Female thread connection



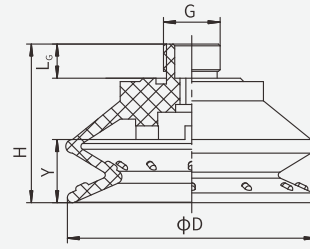
SBP20-50 Male thread connection

Dimensions(mm)

Model/Size	D	H	G	h	L _e	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 _e	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.

SB
SBA
SBB
SBF
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SUF
SFG
SFU
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SFF
SFM
SDM
SHT
SOFA
SOB
SOF
SOG
SFP
SBP
SXP
SGP
SDL
SH
SHB
SZ
SAN
SAO
SPA
SPC
SPF
SPJ
SPU
SNP
SOP