

Features

- ◇ 1.5 bellows suction cup, which can be horizontal adjusted for transferring objects with height difference.
- ◇ Various materials are available for different workpiece.
- ◇ Various sizes for option.
- ◇ On the basis of bellows suction cup SBA, we install PEEK accessories to the plug of SBA suction cup to prevent static electricity and sucking mark during handling.



Applications

- ◇ Smooth wooden plate
- ◇ Smooth steel plate
- ◇ Carton box
- ◇ Electronic component

How to order

SBA 33 N – G1M – PK

① ② ③ ④ ⑤

① Series	② Diameter	③ Material&hardness	④ Connection thread	⑤ Plug
SBA	6 – φ6mm	27 – φ27mm	N – NBR	55
	11 – φ11mm	33 – φ33mm	WS – White silicone	50
	14 – φ14mm	43 – φ43mm	HD – High Temp/	55
	16 – φ16mm	53 – φ53mm	mark free material	
	20 – φ20mm	63 – φ63mm	NR – Natural rubber	40
	22 – φ22mm	78 – φ78mm		
	25 – φ25mm			
			Nil – Suction cup only	Nil – Without mark free plug
			M5M – M5 Male thread	PK – With mark free plug
			M5F – M5 Female thread	
			G1M – G1/8 Male thread	
			G1F – G1/8 Female thread	
			G2M – G1/4 Male thread	
			G2F – G1/4 Female thread	

Selection

Model/Connection thread	M5M	M5F	G1M	G1F	G2M	G2F	Plug
SBA6	●	●	–	–	–	–	–
SBA11-25	●	●	●	●	–	–	○
SBA27-53	–	–	–	–	●	●	○
SBA63	–	–	–	–	●	●	–
SBA78	–	–	–	–	●	●	–

◇ Note: "●"—default, in stock. "○"—selective, no stock, "–" - unavailable.

SB

SBA

SBB

SBF

SBOF

SFT

SFA

STP

SBL

SBLP

SBS

SF

SU

SUF

SFG

STU

STC

SFF

SFM

SDM

SHT

SOFA

SOB

SOF

SOG

SFP

SBP

SXP

SGP

SDL

SH

SHB

SZ

SAN

SAO

SPA

SPC

SPF

SPJ

SPU

SNP

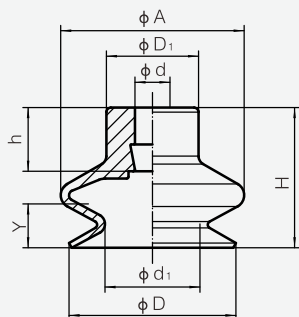
SOP

Technical parameters

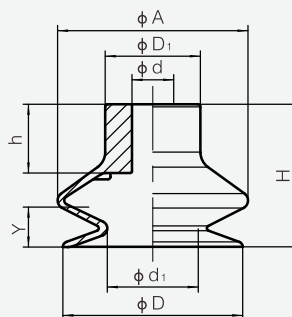
Model	Pull-out force (N)	Inner volume (cm ³)	Min. curve radius of workpiece(mm)	Recommended hose dia(mm)
SBA6	1.4	0.1	2	4
SBA11	3.8	0.2	10	6
SBA14	5	0.4	13	6
SBA16	6.7	0.8	20	6
SBA20	10.7	1.2	30	6
SBA22	15.2	1.4	25	6
SBA25	17.3	3.2	20	6
SBA27	24	3.4	23	6
SBA33	39.6	4.8	40	6
SBA43	64.5	11.4	60	6
SBA53	95	26	75	8
SBA63	135	44	75	8
SBA78	218	76	70	8

◇Note: Testing vacuum level -60kPa, workpiece with 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.

Dimension (mm)



SBA6-25

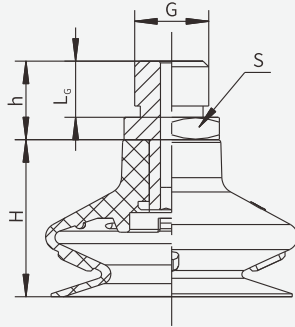


SBA27-78

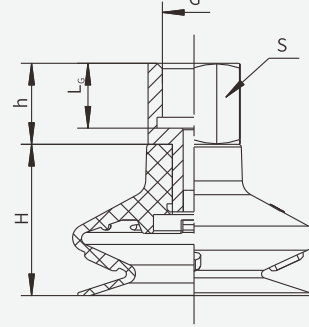
Model/Size	D	H	A	D ₁	d	d ₁	h	Y
SBA6	5.5	9	6	7	3.7	2.7	5	3
SBA11	10.5	16	12	10	4	5	7	4
SBA14	13	15.5	13.5	10	4	5	7	6
SBA16	15.5	19	17	10	4	8	7	7
SBA20	18	15	20	10	4	11	7	8
SBA22	22	19	24	10	4	11	9	9
SBA25	24	23	25	10	4	9.5	9	11.5
SBA27	26	25	27.5	16	8	14	13	9
SBA33	35	27	36	18	8	17	13	10
SBA43	43	28	45	18	8	21.5	13	11.5
SBA53	53	34	58	18	8	32	13	15.5
SBA63	63	33.5	66	18	8	43.5	13	15
SBA78	78	46.5	83	25	12	54.5	20	14.5

Dimensions (mm)

Male thread connection



Female thread connection



Model/Size	G	L _g	H	h	S
SBA6-M5M	M5	3.5	9	7.5	7
SBA6-M5F	M5	5.5	9	10	7
SBA11-M5M	M5	3.5	16	7.5	7
SBA11-M5F	M5	5.5	16	10	8
SBA11-G1M	G1/8	7.5	16	13.5	14
SBA11-G1F	G1/8	8	16	12	14
SBA14-M5M	M5	3.5	15.5	7.5	7
SBA14-M5F	M5	5.5	15.5	10	8
SBA14-G1M	G1/8	7.5	15.5	13.5	14
SBA14-G1F	G1/8	8	15.5	12	14
SBA16-M5M	M5	3.5	19	7.5	7
SBA16-M5F	M5	5.5	19	10	8
SBA16-G1M	G1/8	7.5	19	13.5	14
SBA16-G1F	G1/8	8	19	12	14
SBA20-M5M	M5	3.5	15	7.5	7
SBA20-M5F	M5	5.5	15	10	8
SBA20-G1M	G1/8	7.5	15	13.5	14
SBA20-G1F	G1/8	8	15	12	14
SBA22-M5M	M5	3.5	19	7.5	7
SBA22-M5F	M5	5.5	19	10	8

Model/Size	G	L _g	H	h	S
SBA22-G1M	G1/8	7.5	19	13.5	14
SBA22-G1F	G1/8	8	19	12	14
SBA25-M5M	M5	3.5	23	7.5	7
SBA25-M5F	M5	5.5	23	10	8
SBA25-G1M	G1/8	7.5	23	13.5	14
SBA25-G1F	G1/8	8	23	12	14
SBA27-G2M	G1/4	11	25	15	17
SBA27-G2F	G1/4	12	25	15	17
SBA33-G2M	G1/4	11	27	15	17
SBA33-G2F	G1/4	12	27	15	17
SBA43-G2M	G1/4	11	28	15	17
SBA43-G2F	G1/4	12	28	15	17
SBA53-G2M	G1/4	11	34	15	17
SBA53-G2F	G1/4	12	34	15	17
SBA63-G2M	G1/4	11	33.5	15	17
SBA63-G2F	G1/4	12	33.5	15	17
SBA78-G2M	G1/4	11	46.5	15	21
SBA78-G2F	G1/4	12	46.5	15	21

Mounting parts

Item	Model	Applicable suction cup
Fitting for suction cup	PJS-M5M-SBA6	SBA6
	PJS-M5F-SBA6	
	PJS-M5M-SC3	SBA11, 14, 16,
	PJS-M5F-SC3	20, 22, 25
	PJS-G1M-SC3	
	PJS-G1F-SC3	

Item	Model	Applicable suction cup
Fitting for suction cup	PJS-G2M-SBA33	SBA27, 33, 43, 53, 63
	PJS-G2F-SBA33	
	PJS-G2M-SBA78	SBA78
	PJS-G2F-SBA78	