

Features

- ◇ (SZC) Internal rib structure can effectively increases friction force between suction cup and workpiece.
- ◇ (SZU) Flat structure is suitable for handling workpiece with even surface.
- ◇ (SZB) 1.5 Bellows structure is suitable for handling workpiece with irregular shape.
- ◇ (SZD) Deep structure is suitable for block shape and ball shape workpiece.
- ◇ Various materials are available. Conductive material can effectively prevent static damage to electronic products.
- ◇ Various sizes suitable for workpiece with different sizes.



Applications

- ◇ Cardboard box
- ◇ Small semiconductor profile
- ◇ Electronic products
- ◇ Food
- ◇ Spherical object

How to order

SZ B 10 N

① ② ③ ④

① Series	② Suction cup type	③ Diameter		④ Material & Hardness	
SZ	U - Flat	2 - φ2mm	16 - φ16mm	N - NBR	50 ★
	C - Flat with ribs	4 - φ4mm	20 - φ20mm	WS - White silicone	45 ★
	B - Bellows	6 - φ6mm	25 - φ25mm	CN - Conductive NBR	55
	D - Deep	8 - φ8mm	32 - φ32mm	CS - Conductive silicone	55
		10 - φ10mm	40 - φ40mm	F - Fluorine rubber	65
		13 - φ13mm	50 - φ50mm	HP - Mark free material	50

◇ Note: "★" - common material, in stock. For other materials, please consult with AIRBEST.

◇ Note: HP material is available for suction cup SZU10-50, SZB10-50.

Selection

Diameter/ Suction cup type	SZU	SZC	SZB	SZD
2	●	-	-	-
4	●	-	-	-
6	●	-	●	-
8	●	-	●	-
10	●	●	●	●
13	●	●	●	-
16	●	●	●	●
20	●	●	●	-
25	●	●	●	●
32	●	●	●	-
40	●	●	●	●
50	●	●	●	-

◇ 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
SDL
SH
SHB
SZ
SAN
SAO
SPA
SPC
SPF
SPJ
SPU
SNP
SOP

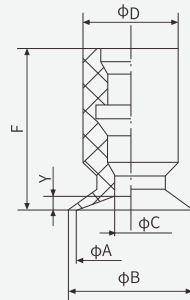
Technical parameters

Diameter	Pull-out force (N)	Inner volume(cm ³)				Recommended hose diameter(mm)
		U	C	B	D	
2	0.15	<0.1	—	—	—	4
4	0.6	<0.1	—	—	—	4
6	1.2	<0.1	—	<0.1	—	4
8	2.2	<0.1	—	<0.1	—	4
10	3.5	0.15	0.15	0.3	0.3	6
13	6	0.2	0.2	0.9	—	6
16	9.6	0.3	0.3	1.3	0.6	6
20	15	0.6	0.6	2.2	—	6
25	24	0.9	0.9	3.3	1.5	6
32	38	1.6	1.6	7.2	—	6
40	60	3.5	3.5	15	9	6
50	92	6	6	25	—	6

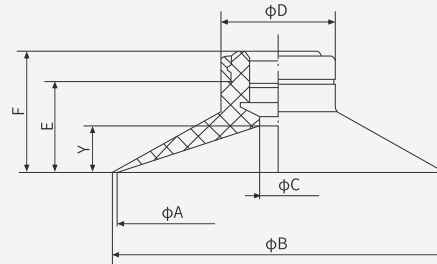
◇Note: Testing vacuum level: -60kPa. Testing Workpiece: smooth and clean surface.The data of pull-out force as above are figured out without considering safety factor.
The data may be different according to different workpiece surfaces.

Dimensions(mm)

U-Flat suction cup



SZU2-8



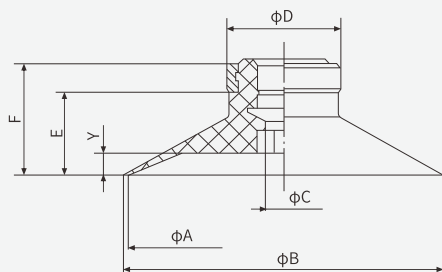
SZU10-50

Model	A	B	C	D	E	F	Y
SZU2	2	2.6	1.2	7	—	12	0.5
SZU4	4	4.8	1.6	7	—	12	0.8
SZU6	6	7	2.5	7	—	12	0.8
SZU8	8	9	2.5	7	—	12	1
SZU10	10	12	4	13	7.7	12	3
SZU13	13	15	4	13	7.7	12	3
SZU16	16	18	4	13	8.2	12.5	3.5
SZU20	20	23	4	15	9.5	14	4
SZU25	25	28	4	15	9.5	14	4
SZU32	32	35	4	15	10	14.5	4.5
SZU40	40	43	7	18	13.7	18.5	6.5
SZU50	50	53	7	18	14.7	19.5	7.5

Dimensions(mm)

C-Flat with ribs suction cup

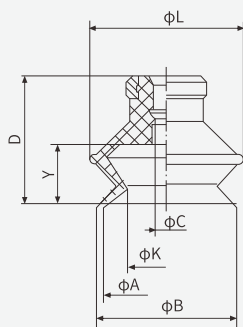
SZC10-50



Model	A	B	C	D	E	F	Y
SZC10	10	12	4	13	7.7	12	1.7
SZC13	13	15	4	13	7.7	12	1.8
SZC16	16	18	4	13	8.2	12.5	1.2
SZC20	20	23	4	15	9.5	14	1.7
SZC25	25	28	4	15	9.5	14	1.8
SZC32	32	35	4	15	10	14.5	2.3
SZC40	40	43	7	18	13.7	18.5	3.3
SZC50	50	53	7	18	14.7	19.5	3.8

B-Bellows suction cup

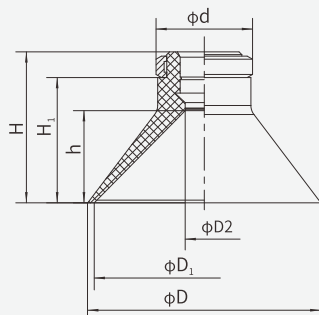
SZB6-50



Model	A	B	C	D	K	L	Y
SZB6	6	7	2.5	13	3.3	9.1	4
SZB8	8	9	2.5	13	4.7	10.1	4
SZB10	10	12	4	16	5.5	13.8	5.5
SZB13	13	15	4	18.5	8.7	19	7.5
SZB16	16	18	4	20	9.9	21	8.5
SZB20	20	22	4	23.5	12.4	25	10.5
SZB25	25	27	4	24	15.6	28	10.5
SZB32	32	34	4	29	18.9	37	14
SZB40	40	43	7	34	24.4	48	16
SZB50	50	53	7	38	32.4	57	19

D-Deep suction cup

SZD10-40



Model/Size	D	D ₁	D ₂	d	H	H ₁	h
SZD10	12	10	4	13	15	10.7	6
SZD16	18	16	4	13	16	11.7	7
SZD25	28	25	4	15	20	15.5	10
SZD40	43.5	41	7	18	28	23.5	17

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

SDL

SH

SHB

SZ

SAN

SAO

SPA

SPC

SPF

SPJ

SPU

SNP

SOP