

SU Series

Universal Flat Suction Cup



Features

- ◇ Suitable for handling workpiece with curve surface.
- ◇ Various materials for different workpieces. Conductive silicone can effectively prevent static damage to electronic products. Fluorine rubber material has good corrosion resistance.
- ◇ Various sizes are available for workpiece with different shapes and sizes.

Applications

- ◇ Paper box packaging
- ◇ Small semiconductor material

How to order

SU 30 N - G1F

① ② ③ ④

① Series	② Diameter		③ Material & Hardness		④ Connection thread
SU	2 - φ2mm	20 - φ20mm	N - NBR	55 ★	Nil - Suction cup alone
	4 - φ4mm	25 - φ25mm	S - Silicone	50 ★	M5M - M5 Male thread
	6 - φ6mm	30 - φ30mm	WS - White silicone	50	G1F - G1/8 Female thread
	8 - φ8mm	40 - φ40mm	CS - Conductive silicone	55	G1M - G1/8 Male thread
	10 - φ10mm	50 - φ50mm			G2F - G1/4 Female thread
	15 - φ15mm	80 - φ80mm			G2M - G1/4 Male thread

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

Selection

Model/ Connection thread	M5M	G1M	G1F	G2F	G2M	G3F	G3M
SU2 - 8	●	—	—	—	—	—	—
SU20 - 40	—	●	●	—	—	—	—
SU50	—	—	—	●	●	●	●
SU80	—	—	●	—	—	—	—

◇Note: "●" - standard, in stock. "—" - unavailable.

SU Series

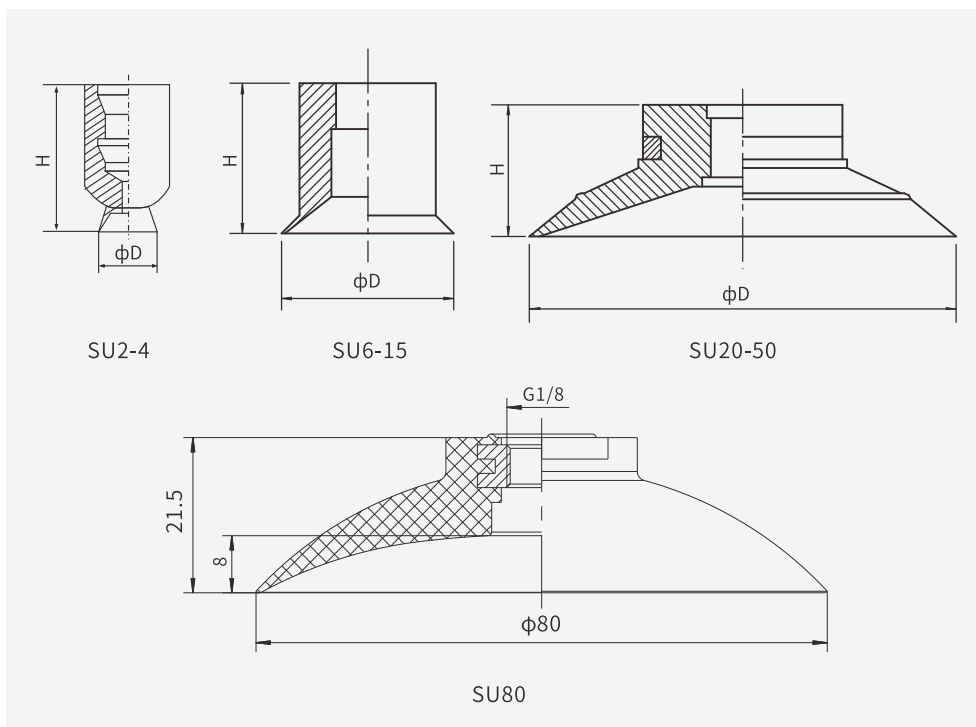
Universal Flat Suction Cup

Technical parameters

Model	Pull-out force (N)	Inner volume (cm ³)	Min. curve radius of workpiece (mm)	Recommended hose dia. (mm)
SU2	0.8	<0.1	3	4
SU4	1.2	<0.1	4	4
SU6	2.1	<0.1	7.5	4
SU8	3.2	<0.1	10	4
SU10	4.7	<0.1	12	6
SU15	7.4	0.5	20	6
SU20	9.5	0.8	30	6
SU25	18	1.2	45	6
SU30	33	1.5	45	6
SU40	60	3	65	6
SU50	92	7	80	6
SU80	210	24	120	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.

Dimensions (mm)



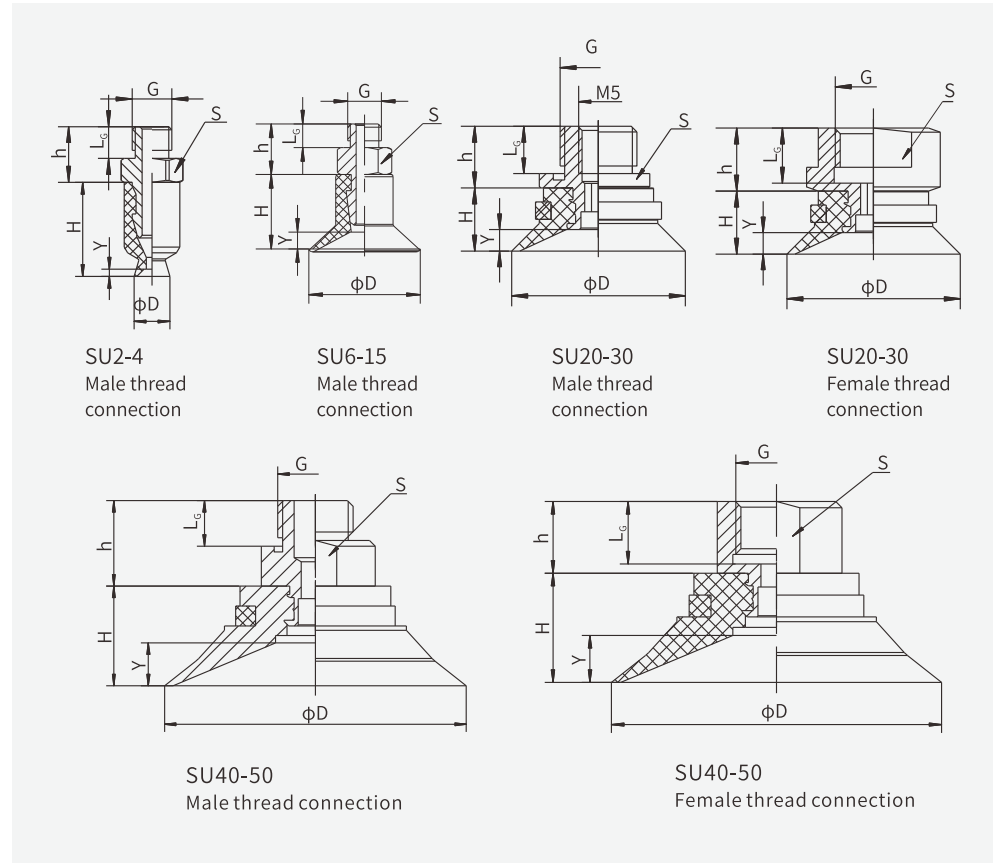
Model/Size	D	H
SU2	2.6	12
SU4	4.6	12
SU6	7	6.5
SU8	9	7
SU10	11	10.5
SU15	16.5	11

Model/Size	D	H
SU20	22	8
SU25	27	9
SU30	32	9.5
SU40	42	13
SU50	53	17.5

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Dimensions (mm)



Model/ Size	D	H	G	L_6	h	S	Y
SU2-M5M	2.6	12	M5	4	7	7	0.6
SU4-M5M	4.6	12	M5	4	7	7	0.9
SU6-M5M	7	6.5	M5	3.5	7.5	7	1.5
SU8-M5M	9	7	M5	3.5	7.5	7	2
SU10-M5M	11	10.5	M5	3.5	7.5	7	2
SU15-M5M	16.5	11	M5	3.5	7.5	7	3
SU20-G1F	22	8	G1/8	7	8	13	2.2
G1M				6	7.8		
SU25-G1F	27	9	G1/8	7	8	13	2.9
G1M				6	7.8		
SU30-G1F	32	9.5	G1/8	7	8	13	4.5
G1M				6	7.8		
SU40-G1F	42	13	G1/8	7	10	17	5.2
G1M				6	12		
SU50-G2F	53	17.5	G1/4	10	13	24	7
G2M				9	17		
G3F	53	17.5	G3/8	10	13	24	7
G3M				10	18		

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Mounting parts

Item	Model		Applicable suction cup
	F - Female thread	M - Male thread	
Fitting for suction cup	—	PJS-M5M-SC1	Su2, 4
	—	PJS-M5M-SC2	Su6, 8
	—	PJS-M5M-SC3	Su10, 15
	PJS-G1F-SF1	PJS-G1M-SF1	Su20, 25, 30
	PJS-G1F-SF2	PJS-G1M-SF2	SU40
	PJS-G2F-SF3	PJS-G2M-SF3	SU50
	PJS-G3F-SF3	PJS-G3M-SF3	

◇Note: Please refer to suction cup with locking fitting and level compensator on page 24.

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