

SU Series

Universal Flat Suction Cup

AIRBEST



RoHS

Suction Cup

Features

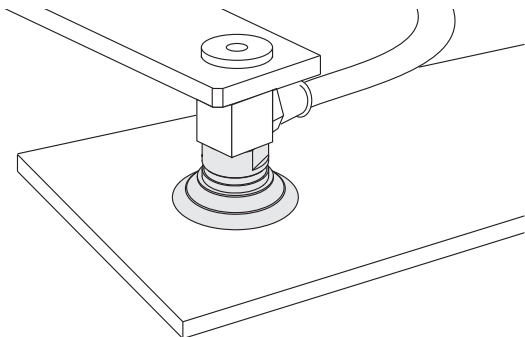
- ◇ Standard flat lip
- ◇ Small inner volume
- ◇ Various sizes are available

Advantages

- ◇ Suitable for handling most of workpieces with smooth and flat surface or slightly curved surface
- ◇ Short work cycle
- ◇ Suitable for workpieces with different sizes and shapes

Applications

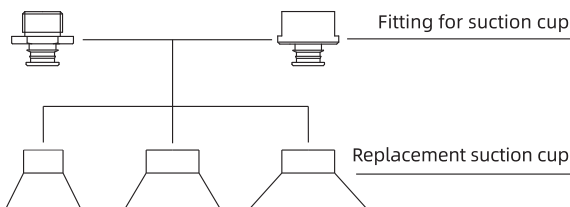
- ◇ Suitable for handling workpiece with smooth and flat surface or slightly curved surface, such as glass, wood plate, metal sheet, plastic plate, etc
- ◇ Suitable for handling automotive body parts



Structure

- ◇ Suction cup with diameter $\phi 6$ - $\phi 50$ mm and fitting are split structure design, wearing parts can be replaced separately
- ◇ For SU80, suction cup and fitting are one-piece structure

In same series, replacement suction cup and fitting can be combined on request



SZ
SP3
SUF
SAN
SAO
SOFA
STP
SFT
SFA
SBL
SBLP
SBS
SFP
SBP
SXP
SGP
SBOF
STC
SFF
SOB
SOF
SOG
SFM
SOM
SBF
SDM
SFU
SFK
SHT
SDL
SFG
SFD
SB
SBA
SF
SU
SPA
SPF
SPC
SPJ
SPU
SH
SHB
SBB
SOP
SNP

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How to order

SU 20 N - G1F

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SU	6 - φ6mm	25 - φ25mm	N - NBR 55 Nil - Suction cup only M5M - M5×0.8 male thread
	8 - φ8mm	30 - φ30mm	S - Silicone 50 G1F - G1/8 female thread G1M - G1/8 male thread
	10 - φ10mm	40 - φ40mm	WS - White silicone 50 G2F - G1/4 female thread G2M - G1/4 male thread
	15 - φ15mm	50 - φ50mm	CS - Conductive silicone 55 G3F - G3/8 female thread G3M - G3/8 male thread
	20 - φ20mm	80 - φ80mm	

Selection

Model	Connection thread M - Male thread	F - Female thread
SU6□	SU6□-M5M	-
SU8□	SU8□-M5M	-
SU10□	SU10□-M5M	-
SU15□	SU15□-M5M	-
SU20□	SU20□-G1M	SU20□-G1F
SU25□	SU25□-G1M	SU25□-G1F
SU30□	SU30□-G1M	SU30□-G1F
SU40□	SU40□-G1M	SU40□-G1F
SU50□	SU50□-G2M SU50□-G3M	SU50□-G2F SU50□-G3F
SU80□	-	SU80□-G1F

Technical parameters

Model	Pull-out force N	Inner volume cm ³	Min.curve radius of workpiece mm	Weight g	Recommended hose dia. mm	MPQ pcs
SU6	2.1	<0.1	7.5	0.1	4	10
SU8	3.2	<0.1	10	0.2	4	10
SU10	4.7	<0.1	12	0.6	6	10
SU15	7.4	0.5	20	0.6	6	10
SU20	9.5	0.8	30	1.2	6	5
SU25	18	1.2	45	1.5	6	5
SU30	33	1.5	45	2.4	6	5
SU40	60	3	65	5.2	6	5
SU50	92	7	80	10.6	6	1
SU80	210	24	120	31	8	1

◇ 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. Recommend the length of vacuum hose to be as short as possible, max 2m.

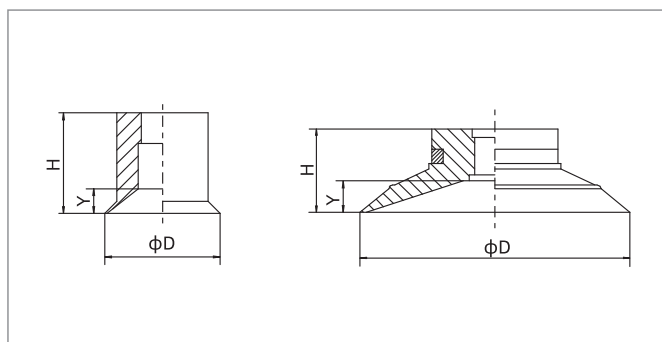
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Suction Cup

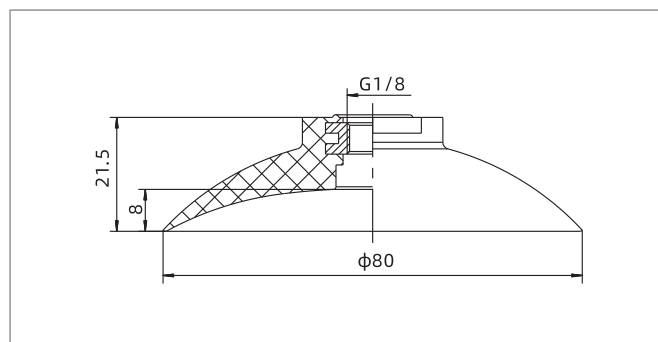
Dimensions(mm) - Suction cup only



SU6-15

SU20-50

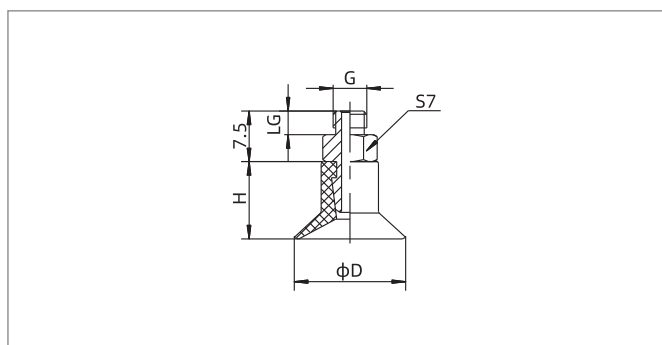
Model/Size	D	H	Y (Stroke)
SU6□	7	6.5	1.5
SU8□	9	7	2
SU10□	11	10.5	2
SF15□	16.5	11	3



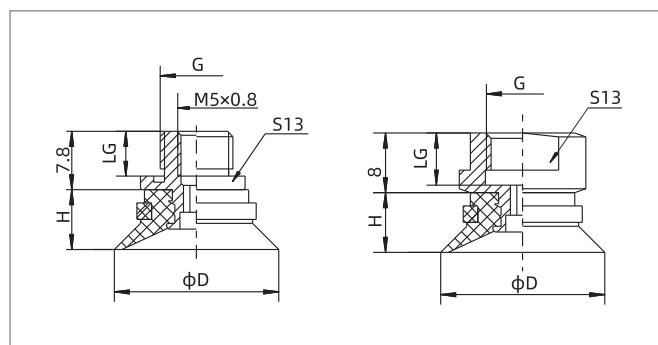
SU80

Model/Size	D	H	Y (Stroke)
SU20□	22	8	2.2
SU25□	27	9	2.9
SU30□	32	9.5	4.5
SU40□	42	13	5.2
SU50□	53	17.5	7

Dimensions(mm) - Suction cup with fitting



SU6-15 Male thread connection



SU20-30 Male thread connection

SU20-30 Female thread connection

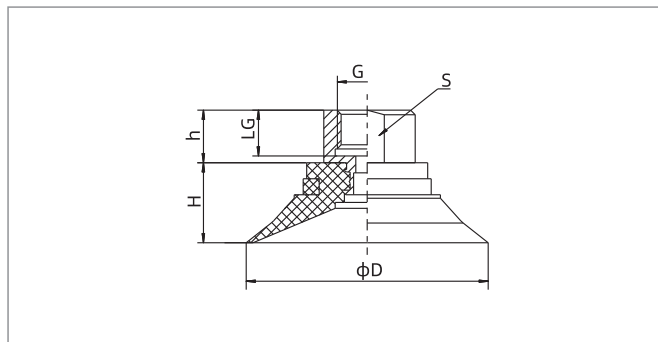
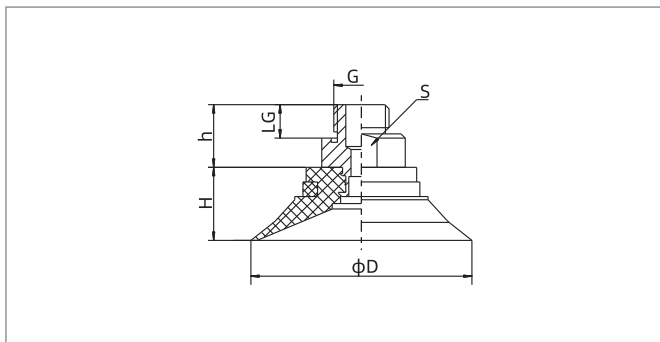
Model/Size	D	H	G	LG	h	S
SU6□-M5M	7	6.5	M5 × 0.8	3.5	7.5	7
SU8□-M5M	9	7	M5 × 0.8	3.5	7.5	7
SU10□-M5M	11	10.5	M5 × 0.8	3.5	7.5	7
SU15□-M5M	16.5	11	M5 × 0.8	3.5	7.5	7
SU20□-G1M	22	8	G1/8	6	7.8	13
SU20□-G1F	22	8	G1/8	7	8	13
SU25□-G1M	27	9	G1/8	6	7.8	13
SU25□-G1F	27	9	G1/8	7	8	13
SU30□-G1M	32	9.5	G1/8	6	7.8	13
SU30□-G1F	32	9.5	G1/8	7	8	13

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SBOF
STC
SFF
SOB
SOF
SOG
SFM
SOM
SBF
SDM
SFU
SFK
SHT
SDL
SFG
SFD
SB
SBA
SF
SU
SPA
SPF
SPC
SPJ
SPU
SH
SHB
SBB
SOP
SNP

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Dimensions(mm) - Suction cup with fitting



SU40-50 Male thread connection

SU40-50 Female thread connection

Model/Size	D	H	G	LG	h	S
SU40□-G1M	42	13	G1/8	6	12	17
SU40□-G1F	42	13	G1/8	7	10	17
SU50□-G2M	53	17.5	G1/4	9	17	24
SU50□-G2F	53	17.5	G1/4	10	13	24
SU50□-G3M	53	17.5	G3/8	10	18	24
SU50□-G3F	53	17.5	G3/8	11	13	24

◇ Note: The dimensional tolerance conforms to GB/T3672.1-2002-1 M3 rubber product dimensional tolerance standard

Mounting parts

Item	Model M - Male thread	F - Female thread	Applicable suction cup
Fitting for suction cup	PJS-M5M-SC2	-	SU6,8
	PJS-M5M-SC3	-	SU10,15
	PJS-G1M-SF1	PJS-G1F-SF1	SU20,25,30
	PJS-G1M-SF2	PJS-G1F-SF2	SU40
	PJS-G2M-SF3	PJS-G2F-SF3	SU50
	PJS-G3M-SF3	PJS-G3F-SF3	SU50