

SPU Series

Swivel Flat Suction Cup

AIRBEST



WOOD



METAL
SHEET



CURVED SURFACE

RoHS

Suction Cup

Features

- ◇ With support structure at the bottom
- ◇ Small inner volume
- ◇ Available in various sizes

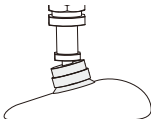
Advantages

- ◇ Be able to prevent thin walled workpieces from permanent deformation
- ◇ Suitable for workpieces of various sizes and shapes



Applications

- ◇ Suitable for handling of workpieces with inclined surface. Its mounting inner cavity is large and it can be connected with swivel joint
- ◇ Suitable for handling sheet metal or wood plate. During handling process, when it is depressed in the middle or dooping at both ends, suction cup with swivel joint can have good contact with workpiece and prevent workpiece from falling off



Structure

- ◇ Split structure design for easy replacement of wearing parts



SZ
SP3
SUF
SAN
SAO
SOFA
STP
SFT
SFA
SST
SEL
SBLP
SES
SEP
SXP
SGP
SBCP
STC
SFF
SOB
SOF
SDG
SFM
SOM
SEF
SDM
SPU
SEK
SHT
SDL
SPG
SFGT
SPD
SB
SBA
SF
SU
SP2P
SPA
SPD
SFF
SPC
SPJ
SPU
SH
SHB
SBB
SOP
SNP

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How to order

SPU 30 N

① ② ③

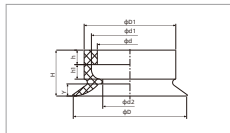
① Series	② Diameter		④ Material & Hardness
SPU	10 - ϕ 10mm	40 - ϕ 40mm	N - NBR 55
	15 - ϕ 15mm	50 - ϕ 50mm	WS - White silicone 30
	20 - ϕ 20mm	60 - ϕ 60mm	
	25 - ϕ 25mm	80 - ϕ 80mm	
	30 - ϕ 30mm	100 - ϕ 100mm	
	35 - ϕ 35mm		

Technical parameters

Model	Pull-out force N	Inner volume cm ³	Weight g	Recommended hose dia. mm	MPQ pcs
SPU10	3.5	< 0.1	0.2	4	10
SPU15	8	0.2	0.3	6	10
SPU20	15	0.5	1.3	6	5
SPU25	24	1.1	1.5	6	5
SPU30	32	1	1.9	6	5
SPU35	43	2.4	2.5	6	5
SPU40	60	3.4	3.8	6	1
SPU50	92	5.7	5.1	8	1
SPU60	127	11	12.4	8	1
SPU80	226	25.3	24.2	8	1
SPU100	355	38	40.2	10	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.

Dimensions(mm)



SPU10-25

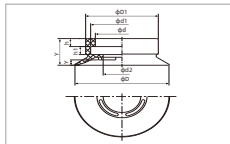
Model/Size	D	H	D1	d	h	d1	h1	d2	y
SPU10□	10	3.5	10.5	6.5	1.5	8	0.5	4	1
SPU15□	15	4.5	10.5	6.5	1.5	8	0.5	4	1.4
SPU20□	20	9	20.2	14.4	3	17	3	12	2
SPU25□	25	9.5	20.2	14.4	3	17	3	12	2.5

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Dimensions(mm)



SPU30-100

○ Note: The dimensional tolerance conforms to GB/T 3672.1-2002-1 M3 rubber product dimensional tolerance standard

Model/Size	D	H	D1	d	h	d1	h1	d2	Y
SPU30□	30	10	23.2	17	3	20	3	12	2
SPU35□	35	11	23.2	17	3	20	3	12	3
SPU40□	40	10.5	32.2	24.5	3.5	28	2	16	3
SPU50□	50	11.5	32.2	24.5	3.5	28	2	16	4
SPU60□	60	16.2	46.2	38.5	5.2	42	3	10	5
SPU80□	80	18.2	60.2	49	5.2	54	3	10	6
SPU100□	100	18.2	78.2	66	5.2	72	3	10	6

Suction Cup

SZ

SP3

SUF

SAN

SAO

SOFA

STP

SFT

SFA

SBT

SBL

SBLP

SBS

STP

SEP

SXP

SGP

SBCP

STC

SFF

SGB

SCF

SDG

SFM

SOM

SEF

SOM

SPU

SFK

SHT

SDL

SPG

SPGT

SPD

SFF

SPC

SPJ

SPU

SH

SHB

SBB

SGP

SNP