SFP Series

PU Flat Suction Cup

PACKAGING LONG LIFETIME

RoHS

Features

◇ Support structure at bottom
◇ PU material
◇ Various sizes are available

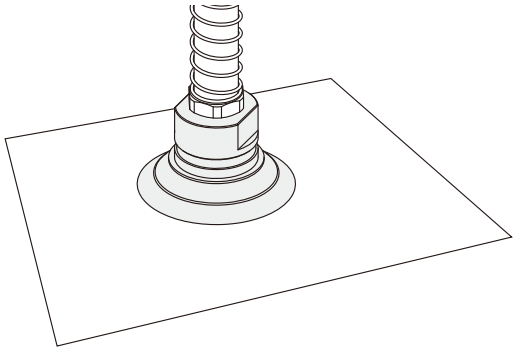


Advantages

◇ Preventing thin workpieces from permanent deformation
◇ Good wear resistance, long lifetime
◇ Suitable for workpieces with different sizes and shapes

Applications

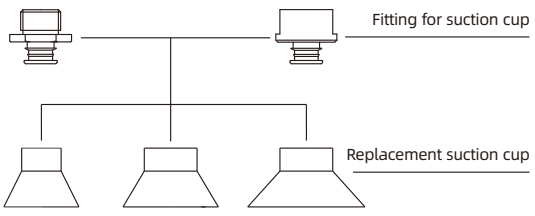
◇ Suitable for handling cardboard box or cardboard
◇ Suitable for handling carton or handling in packaging machinery
◇ Suitable for stacking and unstacking
◇ PU material has good wear resistance, suitable for heavy load occasions



Structure

◇ Suction cup and fitting are split structure design
◇ Fitting for suction cup is with mesh filter

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



SFP Series

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How to order

SFP 20 U - G1F
① ② ③ ④

① Series	② Diameter	③ Material & Hardness		④ Connection thread
SFP	20 - ϕ20mm	U - PU	60	Nil - Suction cup only
	30 - ϕ30mm	UY - PU	40	G1M - G1/8 male thread
	40 - ϕ40mm			G1F - G1/8 female thread

Selection

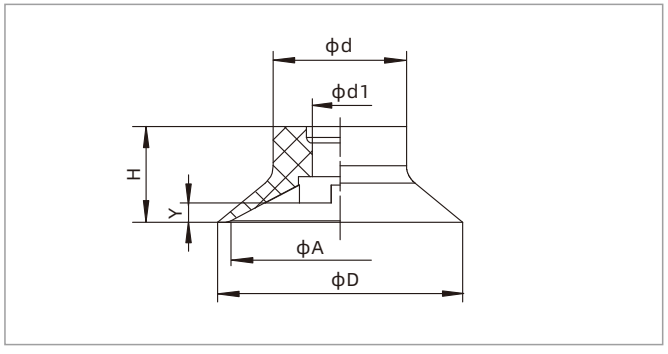
Model	Connection thread M - Male thread	F - Female thread
SFP20□	SFP20□-G1M	SFP20□-G1F
SFP30□	SFP30□-G1M	SFP30□-G1F
SFP40□	SFP40□-G1M	SFP40□-G1F

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
SFP20	14	0.36	24	1.1	6	5
SFP30	21	1	42	2.5	6	5
SFP40	56.5	2.7	52	6	6	5

◇ 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) - Suction cup only



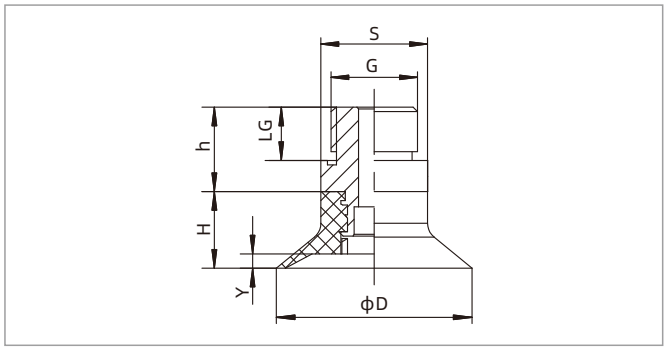
SFP20-40

Model/Size	D	H	A	d	d1	Y
SFP20□	22	8.6	20	12	5	1.6
SFP30□	31	10.5	30	15.8	5	2
SFP40□	41	14	40	21	6.5	2.5

SFP Series

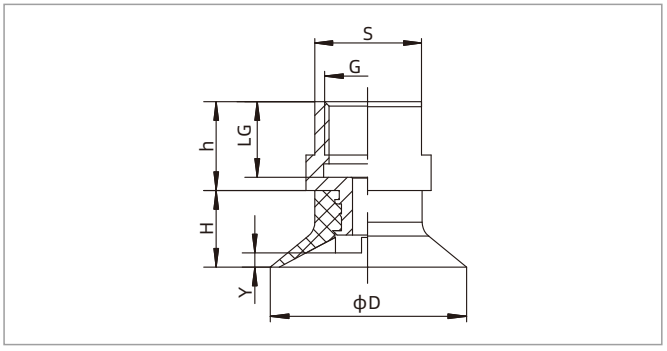
PU Flat Suction Cup

Dimensions(mm)



SFP20-40 Male thread connection

Model/Size	D	H	G	h	LG	S	Y
SFP20□-G1M	22	8.6	G1/8	7.8	6	13	1.6
SFP30□-G1M	31	10.5	G1/8	7.8	6	13	2
SFP40□-G1M	41	14	G1/8	12	6	17	2.5



SFP20-40 Female thread connection

Model/Size	D	H	G	h	LG	S	Y
SFP20□-G1F	22	8.6	G1/8	8	7	13	1.6
SFP30□-G1F	31	10.5	G1/8	8	7	13	2
SFP40□-G1F	41	14	G1/8	10	7	17	2.5

◇ Note: The dimensional tolerance conforms to GBT3672.1-2002-1 M3 rubber product dimensional tolerance standard

Mounting parts

Item	Model M - Male thread	F - Female thread	Applicable suction cup
Fitting for suction cup	PJS-G1M-SF1-EW	PJS-G1F-SF1-EW	SFP20, 30
	PJS-G1M-SF2-EW	PJS-G1F-SF2-EW	SFP40