



Features

- ◇ Large stroke and good flexibility, easy to fit close to the workpiece with various shapes.
- ◇ The internal large-area support structure can effectively improve the lateral friction force and has a good anti-slipping effect on the handling of oily steel plate.
- ◇ Modular structure design, each part can be separated and replaced quickly for cycle use, which reduces cost greatly.
- ◇ PU material, excellent wear resistance and oil resistance.



How to order

SFM 30 U – G1F

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SFM	30 – φ30mm 40 – φ40mm 50 – φ50mm 60 – φ60mm 80 – φ80mm 100 – φ100mm 120 – φ120mm	U – PU 70	Nil – Suction cup only G1F – G1/8 Female thread G2F – G1/4 Female thread G2M – G1/4 Male thread G3F – G3/8 Female thread M10M – M10 Male thread M14M – M14×1.5 Male thread RA – Rectangular adapter

Selection

Model/ Connection thread	G1F	G2F	G2M	G3F	M10M	M14M	RA
SFM30 – 40	●	–	–	–	●	–	●
SFM50 – 120	–	●	●	●	●	●	●

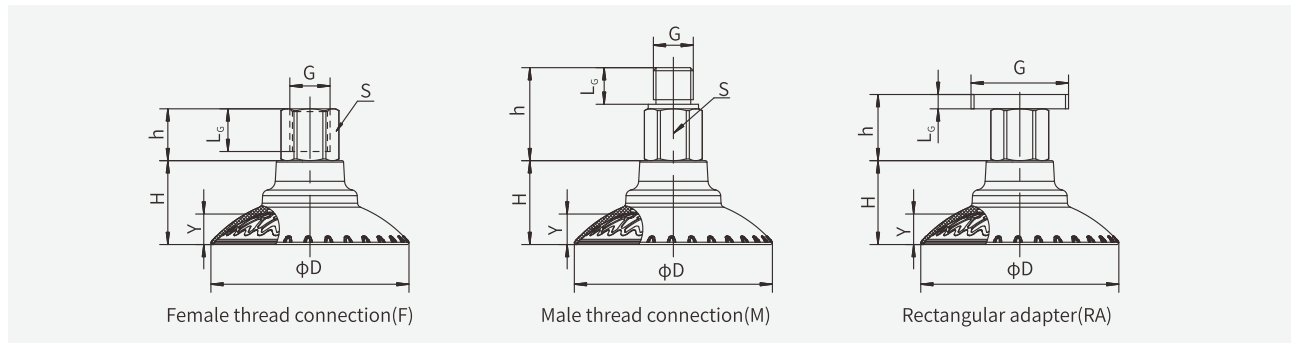
◇ Note: "●" – default, in stock. "○" – selective, no stock. "–" – unavailable.

Technical parameters

Model	Pull-out force (N)	Inner volume (cm ³)	Min. curve radius of workpiece (mm)	Recommended hose diameter (mm)	Weight (g)
SFM30	45	4.5	25	6	3.5
SFM40	70	8.5	30	6	5
SFM50	112	18.6	35	8	8.5
SFM60	150	26	40	8	11
SFM80	285	56	60	8	21
SFM100	420	105	70	10	35
SFM120	580	153	90	10	55

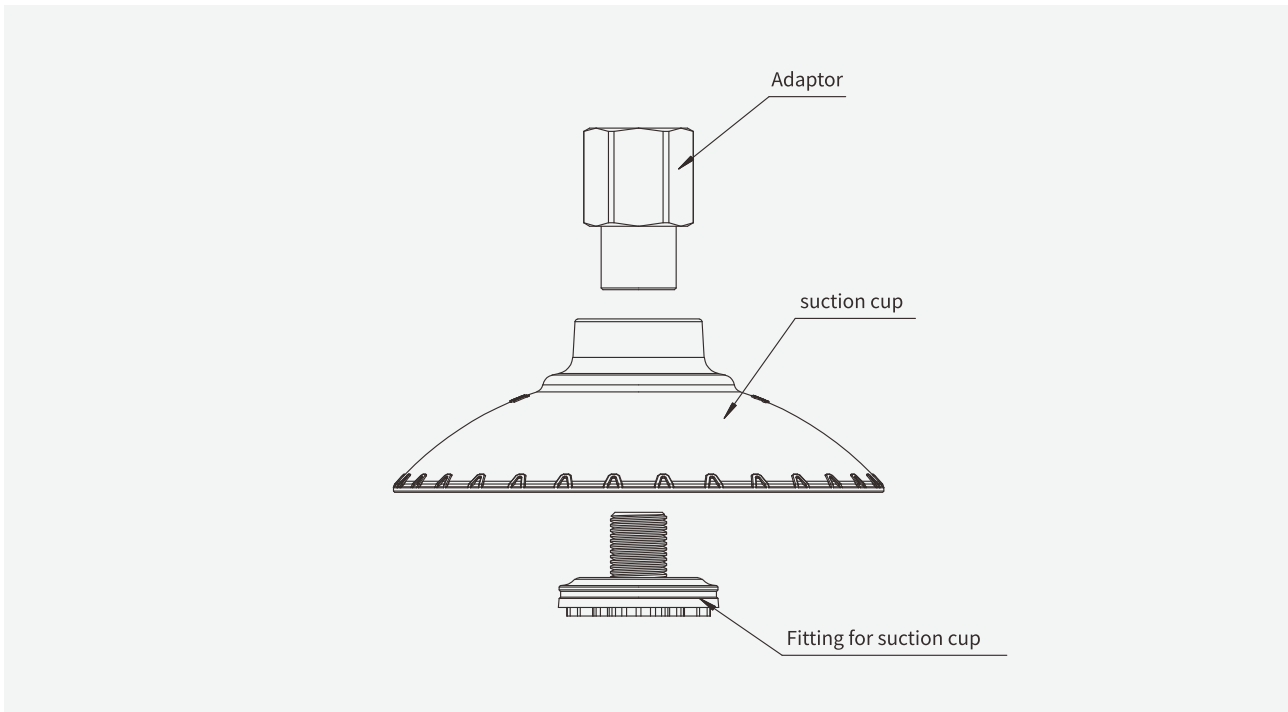
◇ Note: Testing vacuum level: –60kPa. Testing Workpiece: smooth and clean surface.
 The data of pull-out force as above are figured out without considering safety factor.
 The data may be different according to different workpiece surfaces.

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

Dimensions(mm)


Model/Size	D	H	h	Y	G	L _g	S
SFM30-G1F	34	17.5	14	4	G1/8	10	14
SFM30-M10M	34	17.5	27.5	4	M10	12	14
SFM30-RA	34	17.5	18.7	4	□32	4.7	-
SFM40-G1F	43.5	20	14	6.3	G1/8	10	14
SFM40-M10M	43.5	20	27.5	6.3	M10	12	14
SFM40-RA	43.5	20	18.7	6.3	□32	4.7	-
SFM50-G2F	55	25	17	7.8	G1/4	12	17
SFM50-G2M	55	25	30.5	7.8	G1/4	12	17
SFM50-G3F	55	25	17	7.8	G3/8	12	22
SFM50-M10M	55	25	30.5	7.8	M10	12	17
SFM50-M14M	55	25	30.5	7.8	M14×1.5	12	17
SFM50-RA	55	25	21.7	7.8	□32	4.7	-
SFM60-G2F	65	27.5	17	10	G1/4	12	17
SFM60-G2M	65	27.5	30.5	10	G1/4	12	17
SFM60-G3F	65	27.5	17	10	G3/8	12	22
SFM60-M10M	65	27.5	30.5	10	M10	12	17
SFM60-M14M	65	27.5	30.5	10	M14×1.5	12	17
SFM60-RA	65	27.5	21.7	10	□32	4.7	-
SFM80-G2F	85	30	17	13	G1/4	12	17
SFM80-G2M	85	30	30.5	13	G1/4	12	17
SFM80-G3F	85	30	17	13	G3/8	12	22
SFM80-M10M	85	30	30.5	13	M10	12	17
SFM80-M14M	85	30	30.5	13	M14×1.5	12	17
SFM80-RA	85	30	21.7	13	□32	4.7	-
SFM100-G2F	105.5	37	17	15.5	G1/4	12	17
SFM100-G2M	105.5	37	30.5	15.5	G1/4	12	17
SFM100-G3F	105.5	37	17	15.5	G3/8	12	22
SFM100-M10M	105.5	37	30.5	15.5	M10	12	17
SFM100-M14M	105.5	37	30.5	15.5	M14×1.5	12	17
SFM100-RA	105.5	37	21.7	15.5	□32	4.7	-
SFM120-G2F	123	41	17	18.5	G1/4	12	17
SFM120-G2M	123	41	30.5	18.5	G1/4	12	17
SFM120-G3F	123	41	17	18.5	G3/8	12	22
SFM120-M10M	123	41	30.5	18.5	M10	12	17
SFM120-M14M	123	41	30.5	18.5	M14×1.5	12	17
SFM120-RA	123	41	21.7	18.5	□32	4.7	-

Structure diagram



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

Mounting parts

Item	Model	Applicable suction cup
Fitting for suction cup	PJS-M8M-SFM40	SFM30 , 40
	PJS-G1M-SFM80	SFM50 , 60 , 80
	PJS-G1M-SFM120	SFM100 , 120
Adaptor	PJT-M8F-G1F	SFM30 , 40
	PJT-G1F-G2F	SFM50 , 60 , 80 , 100 , 120
	PJT-G1F-G3F	SFM50 , 60 , 80 , 100 , 120

◇Note:Please refer to page 22 for mounting parts selection.