



Features

- ◇ Large inner support structure can protect the metal sheet from deformation and damage during handling process.
- ◇ Slot structure efficiently increases the friction force between vacuum pad and workpiece in order to prevent the oily metal sheets from slipping during the handling process.
- ◇ 2 hardness of material for option(45 & 60), suitable for metal sheet with different thickness and shapes.



Applications

- ◇ Car stamped steel plate, oily steel plate
- ◇ Glass, stamping parts, plywood
- ◇ Handling normal metal sheet (to avoid deformation)

How to order

SFF 30 N – G2F

① ② ③ ④

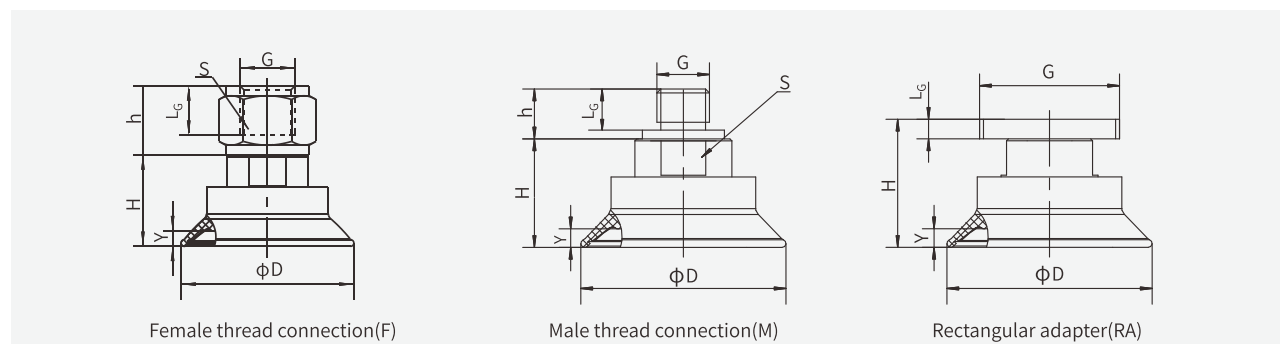
① Series	② Diameter	③ Material & Hardness	④ Connection thread
SFF	30 – $\phi 30\text{mm}$ 80 – $\phi 80\text{mm}$ 40 – $\phi 40\text{mm}$ 100 – $\phi 100\text{mm}$ 50 – $\phi 50\text{mm}$ 125 – $\phi 125\text{mm}$ 60 – $\phi 60\text{mm}$	N – NBR 60 NG – NBR 45	G2F – G1/4 Female thread M10M – M10 Male thread G2M – G1/4 Male thread M14M – M14×1.5 Male thread G3F – G3/8 Female thread RA – Rectangular adapter

Technical parameters

Model	Pull-out force (N)	Lateral pull-out force(N)	Lateral pull-out force (N) (oily surface)	Inner volume (cm ³)	Min. curve radius of workpiece (mm)	Recommended hose dia(mm)	Weight (g)
SFF30	45	35	33	1.6	35	6	11
SFF40	72	54	51	3.5	47.5	6	13
SFF50	112	90	86	7.5	70	8	20
SFF60	145	102	93	12.6	81	8	26
SFF80	288	212	190	35	11	8	43
SFF100	445	322	308	60	141	8	57
SFF125	660	475	400	115	165	10	145

◇ 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.

Dimensions(mm)



Dimensions(mm)

Model/Size	D	H	G	L _G	h	S	Y
SFF30-G2M	32	19.5	G1/4	12	13.5	16	2.7
SFF30-G2F	32	19.5	G1/4	11	—	16	2.7
SFF30-G3F	32	19.5	G3/8	11	14	22	2.7
SFF30-M10M	32	19.5	M10	12	13.5	16	2.7
SFF30-M14M	32	19.5	M14×1.5	12	13.5	16	2.7
SFF30-RA	32	24.2	□32	4.7	—	—	2.7
SFF40-G2M	42	22	G1/4	12	13.5	17	3.7
SFF40-G2F	42	22	G1/4	11	—	17	3.7
SFF40-G3F	42	22	G3/8	11	14	22	3.7
SFF40-M10M	42	22	M10	12	13.5	17	3.7
SFF40-M14M	42	22	M14×1.5	12	13.5	17	3.7
SFF40-RA	42	26.7	□32	4.7	—	—	3.7
SFF50-G2M	52	28	G1/4	12	13.5	22	4.7
SFF50-G2F	52	28	G1/4	11	14	22	4.7
SFF50-G3F	52	28	G3/8	13	—	22	4.7
SFF50-M10M	52	28	M10	12	13.5	22	4.7
SFF50-M14M	52	28	M14×1.5	12	13.5	22	4.7
SFF50-RA	52	32.7	□32	4.7	—	—	4.7
SFF60-G2M	62.5	31	G1/4	12	13.5	22	6
SFF60-G2F	62.5	31	G1/4	11	14	22	6
SFF60-G3F	62.5	31	G3/8	13	—	22	6
SFF60-M10M	62.5	31	M10	12	13.5	22	6
SFF60-M14M	62.5	31	M14×1.5	12	13.5	22	6
SFF60-RA	62.5	35.7	□32	4.7	—	—	6
SFF80-G2M	83	34.5	G1/4	12	13.5	22	6
SFF80-G2F	83	34.5	G1/4	11	14	22	6
SFF80-G3F	83	34.5	G3/8	13	—	22	6
SFF80-M10M	83	34.5	M10	12	13.5	22	6
SFF80-M14M	83	34.5	M14×1.5	12	13.5	22	6
SFF80-RA	83	39.2	□32	4.7	—	—	6
SFF100-G2M	102	36.5	G1/4	12	13.5	22	9.2
SFF100-G2F	102	36.5	G1/4	11	14	22	9.2
SFF100-G3F	102	36.5	G3/8	13	—	22	9.2
SFF100-M10M	102	36.5	M10	12	13.5	22	9.2
SFF100-M14M	102	36.5	M14×1.5	12	13.5	22	9.2
SFF100-RA	102	41.2	□32	4.7	—	—	9.2
SFF125-G2M	128	43	G1/4	12	13.5	22	12.5
SFF125-G2F	128	43	G1/4	11	14	22	12.5
SFF125-G3F	128	43	G3/8	13	—	22	12.5
SFF125-M10M	128	43	M10	12	13.5	22	12.5
SFF125-M14M	128	43	M14×1.5	12	13.5	22	12.5
SFF125-RA	128	47.7	□32	4.7	—	—	12.5

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