

SFF Series

AIRBEST

Flat Suction Cup Special for Metal Sheet



METAL
SHEET



SLIPPING
RESISTANCE



OILY
SURFACE

RoHS

Features

- ◇ Internal large area support structure
- ◇ Various sizes are available

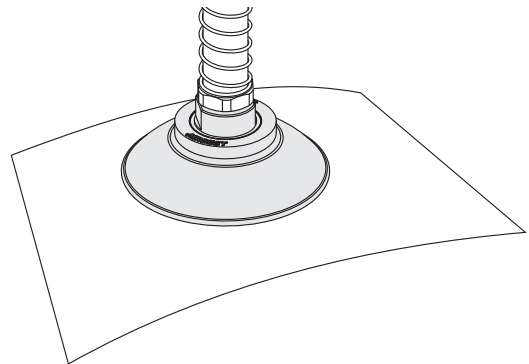
Advantages

- ◇ Effectively enhance the friction force between suction cups and workpieces
- ◇ Suitable for workpieces with different sizes and shapes



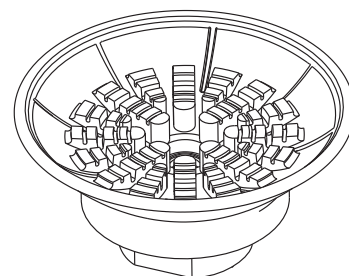
Applications

- ◇ Handling of oily metal sheet
- ◇ Handling metal sheet and aluminum plates without deformation
- ◇ Used for loading and unloading of material during CNC or machine tool processing
- ◇ Handling curved metal sheets
- ◇ Used in automotive stamping metal parts handling systems



Structure

- ◇ Suction cup and fitting are one-piece structure



SFF Series

Flat Suction Cup Speical for Metal Sheet

AIRBEST

Suction Cup

How to order

SFF 50 N - G3F

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SFF	30 - ϕ 30mm	N - NBR 60	G2F - G1/4 female thread
	40 - ϕ 40mm	NG - NBR 45	G3F - G3/8 female thread
	50 - ϕ 50mm		G2M - G1/4 male thread
	60 - ϕ 60mm		M10M - M10×1.5 male thread
	80 - ϕ 80mm		M14M - M14×1.5 male thread
	100 - ϕ 100mm		RA - Rectangular adapter
	125 - ϕ 125mm		

Selection

Model	Connection thread G2M	M10M	M14M	G2F	G3F	RA
SFF30□-□	SFF30□-G2M	SFF30□-M10M	SFF30□-M14M	SFF30□-G2F	SFF30□-G3F	SFF30□-RA
SFF40□-□	SFF40□-G2M	SFF40□-M10M	SFF40□-M14M	SFF40□-G2F	SFF40□-G3F	SFF40□-RA
SFF50□-□	SFF50□-G2M	SFF50□-M10M	SFF50□-M14M	SFF50□-G2F	SFF50□-G3F	SFF50□-RA
SFF60□-□	SFF60□-G2M	SFF60□-M10M	SFF60□-M14M	SFF60□-G2F	SFF60□-G3F	SFF60□-RA
SFF80□-□	SFF80□-G2M	SFF80□-M10M	SFF80□-M14M	SFF80□-G2F	SFF80□-G3F	SFF80□-RA
SFF100□-□	SFF100□-G2M	SFF100□-M10M	SFF100□-M14M	SFF100□-G2F	SFF100□-G3F	SFF100□-RA
SFF125□-□	SFF125□-G2M	SFF125□-M10M	SFF125□-M14M	SFF125□-G2F	SFF125□-G3F	SFF125□-RA

Technical parameters

Model	Vertical pull-out force N	Lateral pull-out force N	Lateral pull-out force Oily surface(N)	Inner volume cm ³	Min.curve radius of workpiece mm	Weight g	Recommended hose dia. mm	MPQ pcs
SFF30	45	35	33	1.6	35	11	6	1
SFF40	72	54	51	3.5	47.5	13	6	1
SFF50	112	90	86	7.5	70	20	8	1
SFF60	145	102	93	12.6	81	26	8	1
SFF80	288	212	190	35	115	43	8	1
SFF100	445	322	308	60	141	57	8	1
SFF125	660	475	400	115	165	145	10	1

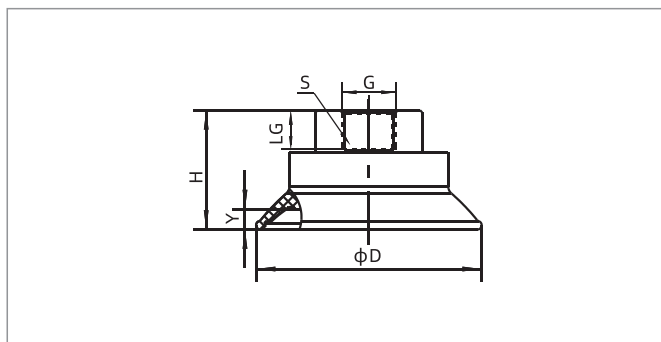
SZ
SP3
SUF
SAN
SAO
SOFA
STP
SFT
SFA
SBL
SBLP
SBS
SFP
SBP
SXP
SGP
SBOF
STC
SFF
SOB
SOF
SOG
SFM
SOM
SBF
SDM
SFU
SFK
SHT
SDL
SFG
SFD
SB
SBA
SF
SU
SPA
SPF
SPC
SPJ
SPU
SH
SHB
SBB
SOP
SNP

SFF Series

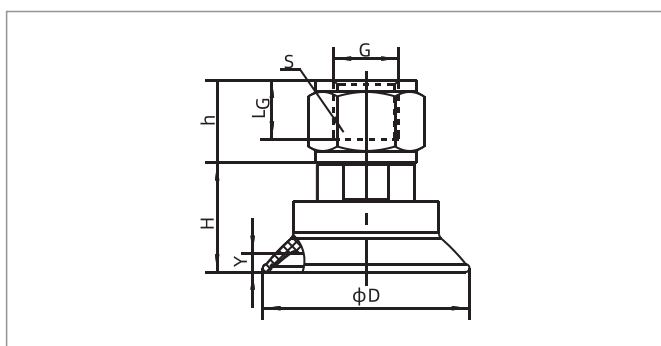
Flat Suction Cup Speical for Metal Sheet



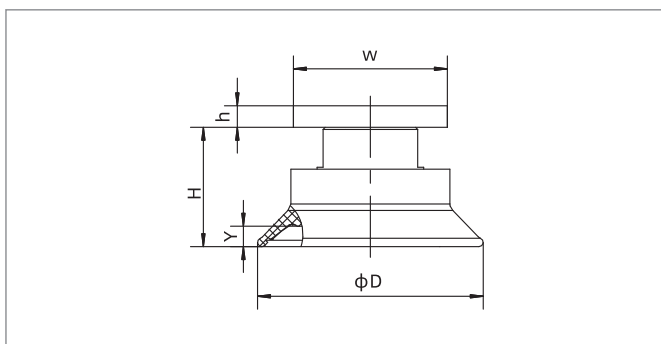
Dimensions(mm)



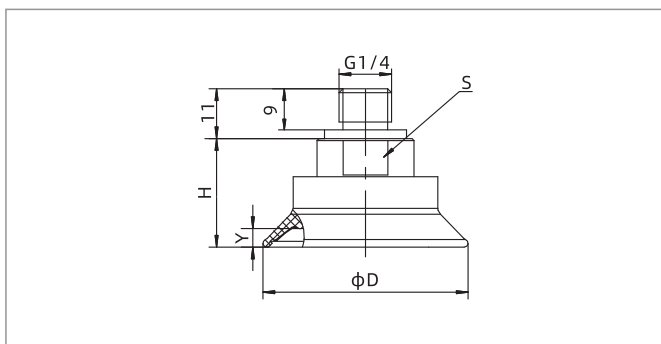
F - Female thread connection



F - Female thread connection



RA - Rectangular adapter



M - Male thread connection

Model/Size	D	H	G	LG	S	Y
SFF30□-G2F	32	19.5	G1/4	11	17	2.7
SFF40□-G2F	42	22	G1/4	11	17	3.4
SFF50□-G3F	52	28	G3/8	13	22	4.7
SFF60□-G3F	62.5	31	G3/8	13	22	6
SFF80□-G3F	83	34.5	G3/8	13	22	6
SFF100□-G3F	102	36.5	G3/8	13	22	9.2
SFF125□-G3F	128	43	G3/8	13	22	12.5

Model/Size	D	H	G	h	LG	S	Y
SFF30□-G3F	32	19.5	G3/8	14	11	22	2.7
SFF40□-G3F	42	22	G3/8	14	11	22	3.4
SFF50□-G2F	52	28	G1/4	14	11	22	4.7
SFF60□-G2F	62.5	31	G1/4	14	11	22	6
SFF80□-G2F	83	34.5	G1/4	14	11	22	6
SFF100□-G2F	102	36.5	G1/4	14	11	22	9.2
SFF125□-G2F	128	43	G1/4	14	11	22	12.5

Model/Size	D	H	W	h	Y
SFF30□-RA	32	19.5	31.8×31.8	4.7	2.7
SFF40□-RA	42	22	31.8×31.8	4.7	3.7
SFF50□-RA	52	28	31.8×31.8	4.7	4.7
SFF60□-RA	62.5	31	31.8×31.8	4.7	6
SFF80□-RA	83	34.5	31.8×31.8	4.7	6
SFF100□-RA	102	36.5	31.8×31.8	4.7	9.2
SFF125□-RA	128	43	31.8×31.8	4.7	12.5

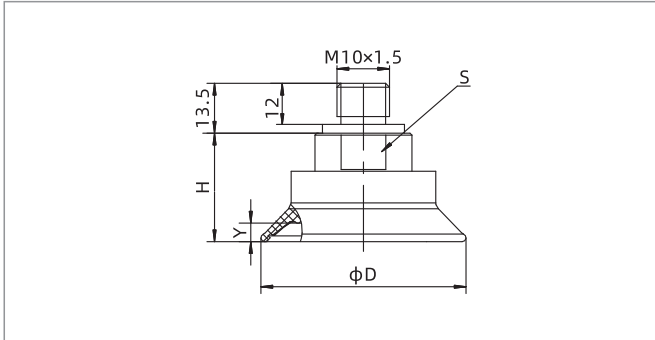
Model/Size	D	H	s	Y
SFF30□-G2M	32	19.5	17	2.7
SFF40□-G2M	42	22	17	3.7
SFF50□-G2M	52	28	22	4.7
SFF60□-G2M	62.5	31	22	6
SFF80□-G2M	83	34.5	22	6
SFF100□-G2M	102	36.5	22	9.2
SFF125□-G2M	128	43	22	12.5

SFF Series

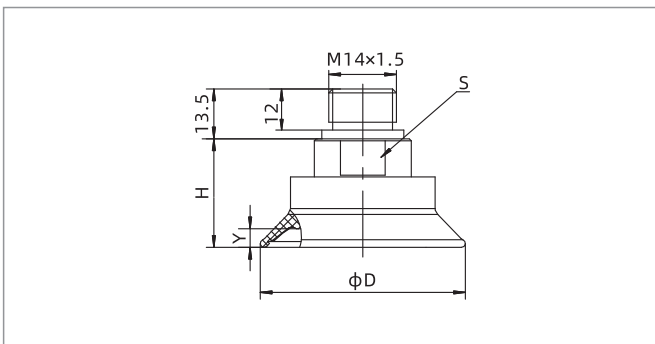
Flat Suction Cup Speical for Metal Sheet



Dimensions(mm)



M - Male thread connection



M - Male thread connection

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

Model/Size	D	H	s	Y
SFF30□-M10M	32	19.5	17	2.7
SFF40□-M10M	42	22	17	3.7
SFF50□-M10M	52	28	22	4.7
SFF60□-M10M	62.5	31	22	6
SFF80□-M10M	83	34.5	22	6
SFF100□-M10M	102	36.5	22	9.2
SFF125□-M10M	128	43	22	12.5

Model/Size	D	H	s	Y
SFF30□-M14M	32	19.5	17	2.7
SFF40□-M14M	42	22	17	3.7
SFF50□-M14M	52	28	22	4.7
SFF60□-M14M	62.5	31	22	6
SFF80□-M14M	83	34.5	22	6
SFF100□-M14M	102	36.5	22	9.2
SFF125□-M14M	128	43	22	12.5

- 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