SFF Series

Flat Suction Cup Speical for Metal Sheet


METAL SHEET


SLIPPING RESISTANCE


OILY SURFACE

RoHS

Features

◇ Internal large area support structure
◇ Various sizes are available

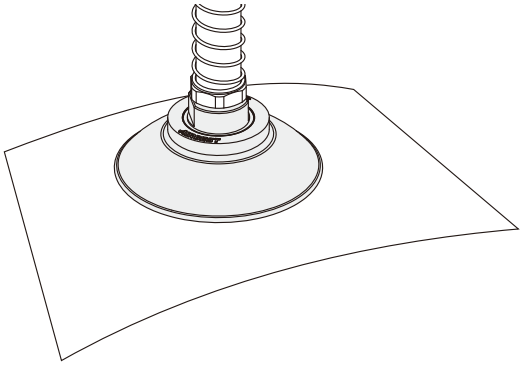


Advantages

◇ Effectively enhance the friction force between suction cups and workpieces
◇ The max. temp of HK material is 250℃, it can be used to pick up high temp metal sheet
◇ The max. temp of HD material is 160℃, it can be used to pick up high temp glass without mark
◇ Suitable for workpieces with different sizes and shapes

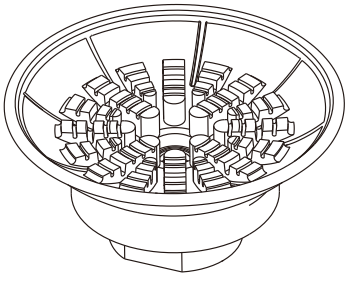
Applications

◇ 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

How to order

SFF 50 N - G3F
① ② ③ ④

① Series	② Diameter	③ Material & Hardness		④ Connection thread
SFF	30 - ϕ30mm	N - NBR	60	G2F - G1/4 female thread
	40 - ϕ40mm	NG - NBR	45	G3F - G3/8 female thread
	50 - ϕ50mm	HK - Extra high temp rubber	65	G2M - G1/4 male thread
	60 - ϕ60mm	HD - High temp/mark free material	60	M10M - M10×1.5 male thread
	80 - ϕ80mm			M14M - M14×1.5 male thread
	100 - ϕ100mm			RA - Rectangular adapter
	125 - ϕ125mm			

Selection

Model	Connection thread G2M	M10M	M14M	G2F	G3F	RA
SFF30N-□	SFF30N-G2M	SFF30N-M10M	SFF30N-M14M	SFF30N-G2F	SFF30N-G3F	SFF30N-RA
SFF40N-□	SFF40N-G2M	SFF40N-M10M	SFF40N-M14M	SFF40N-G2F	SFF40N-G3F	SFF40N-RA
SFF50N-□	SFF50N-G2M	SFF50N-M10M	SFF50N-M14M	SFF50N-G2F	SFF50N-G3F	SFF50N-RA
SFF60N-□	SFF60N-G2M	SFF60N-M10M	SFF60N-M14M	SFF60N-G2F	SFF60N-G3F	SFF60N-RA
SFF80N-□	SFF80N-G2M	SFF80N-M10M	SFF80N-M14M	SFF80N-G2F	SFF80N-G3F	SFF80N-RA
SFF100N-□	SFF100N-G2M	SFF100N-M10M	SFF100N-M14M	SFF100N-G2F	SFF100N-G3F	SFF100N-RA
SFF125N-□	SFF125N-G2M	SFF125N-M10M	SFF125N-M14M	SFF125N-G2F	SFF125N-G3F	SFF125N-RA

Model	Connection thread G2M	M10M	M14M	G2F	G3F	RA
SFF30NG-□	SFF30NG-G2M	SFF30NG-M10M	SFF30N-M14M	SFF30NG-G2F	SFF30NG-G3F	SFF30NG-RA
SFF40NG-□	SFF40NG-G2M	SFF40NG-M10M	SFF40N-M14M	SFF40NG-G2F	SFF40NG-G3F	SFF40NG-RA
SFF50NG-□	SFF50NG-G2M	SFF50NG-M10M	SFF50N-M14M	SFF50NG-G2F	SFF50NG-G3F	SFF50NG-RA
SFF60NG-□	SFF60NG-G2M	SFF60NG-M10M	SFF60N-M14M	SFF60NG-G2F	SFF60NG-G3F	SFF60NG-RA
SFF80NG-□	SFF80NG-G2M	SFF80NG-M10M	SFF80N-M14M	SFF80NG-G2F	SFF80NG-G3F	SFF80NG-RA
SFF100NG-□	SFF100NG-G2M	SFF100NG-M10M	SFF100N-M14M	SFF100NG-G2F	SFF100NG-G3F	SFF100NG-RA
SFF125NG-□	SFF125NG-G2M	SFF125NG-M10M	SFF125N-M14M	SFF125NG-G2F	SFF125NG-G3F	SFF125NG-RA

Model	Connection thread G2M	G2F	G3F
SFF30HK-□	SFF30HK-G2M	SFF30HK-G2F	SFF30HK-G3F
SFF40HK-□	SFF40HK-G2M	SFF40HK-G2F	SFF40HK-G3F
SFF50HK-□	SFF50HK-G2M	SFF50HK-G2F	SFF50HK-G3F
SFF60HK-□	SFF60HK-G2M	SFF60HK-G2F	SFF60HK-G3F
SFF80HK-□	SFF80HK-G2M	SFF80HK-G2F	SFF80HK-G3F
SFF100HK-□	SFF100HK-G2M	SFF100HK-G2F	SFF100HK-G3F
SFF125HK-□	SFF125HK-G2M	SFF125HK-G2F	SFF125HK-G3F

Model	Connection thread G2M	G2F	G3F
SFF30HD-□	SFF30HD-G2M	SFF30HD-G2F	SFF30HD-G3F
SFF40HD-□	SFF40HD-G2M	SFF40HD-G2F	SFF40HD-G3F
SFF50HD-□	SFF50HD-G2M	SFF50HD-G2F	SFF50HD-G3F
SFF60HD-□	SFF60HD-G2M	SFF60HD-G2F	SFF60HD-G3F
SFF80HD-□	SFF80HD-G2M	SFF80HD-G2F	SFF80HD-G3F
SFF100HD-□	SFF100HD-G2M	SFF100HD-G2F	SFF100HD-G3F
SFF125HD-□	SFF125HD-G2M	SFF125HD-G2F	SFF125HD-G3F

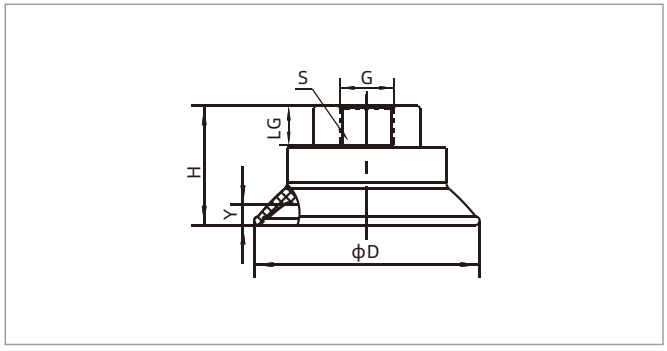
SFF Series

Flat Suction Cup Speical for Metal Sheet

Technical parameters

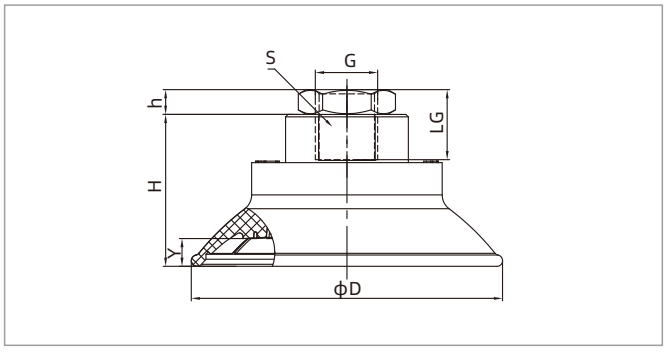
Model	Vertical pull-out force N	Lateral pull-out force N	Lateral pull-out force Oily surface(N)	Inner volume cm^3	Min.curve radius of workpiece mm	Weight g	Recommended hose dia. mm	MPQ pcs
SFF30	45	35	33	1.6	35	11	6	1
SFF40	72	54	51	3.5	47.5	13	6	1
SFF50	112	90	86	7.5	70	20	8	1
SFF60	145	102	93	12.6	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

Dimensions(mm)



F - Female 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



F - Female thread connection

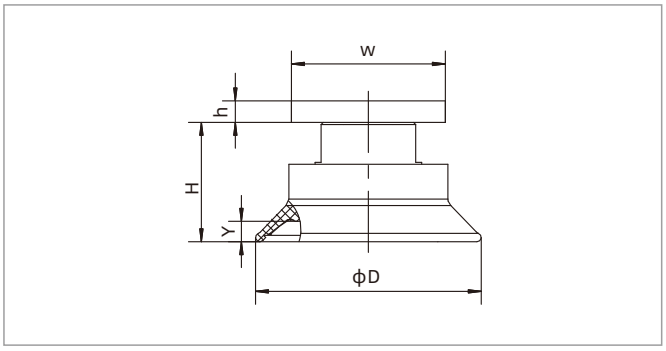
Model/Size	D	H	G	h	LG	S	Y
SFF30□-G3F	32	19.5	G3/8	14	11	22	2.7
SFF40□-G3F	42	22	G3/8	14	11	22	3.4
SFF50□-G2F	52	28	G1/4	5	13	19	4.7
SFF60□-G2F	62.5	31	G1/4	5	13	19	6
SFF80□-G2F	83	34.5	G1/4	5	13	19	6
SFF100□-G2F	102	36.5	G1/4	5	13	19	9.2
SFF125□-G2F	128	43	G1/4	5	13	19	12.5

SFF Series

Flat Suction Cup Speical for Metal Sheet

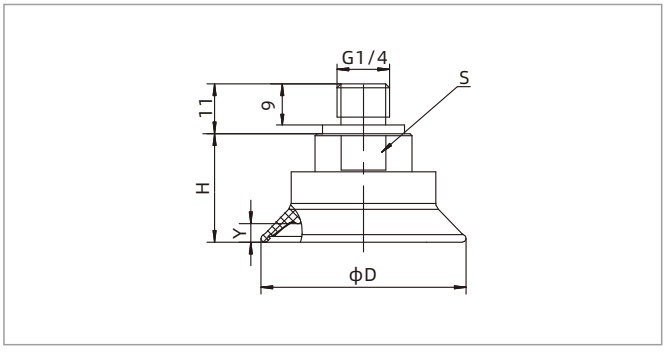
AIRBEST

Dimensions(mm)



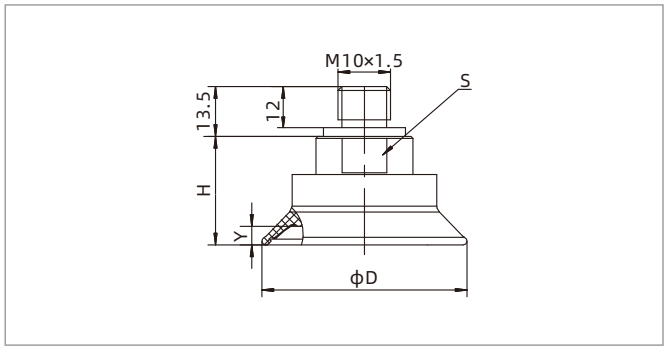
RA - Rectangular adapter

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



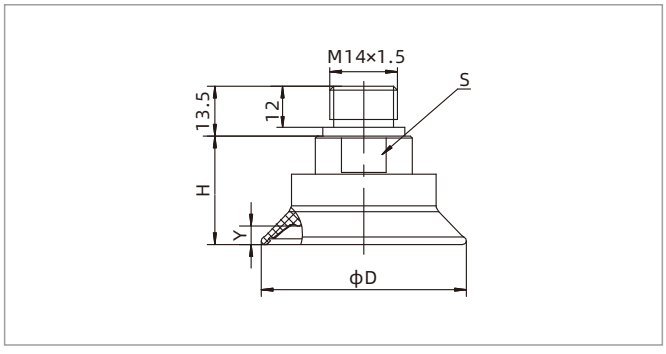
M - Male thread connection

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



M - Male thread connection

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



M - Male thread connection

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

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