

Features

- ◇ Standard flat suction cup, suitable for handling workpiece with even surface.
- ◇ Various sizes, suitable for workpiece with different sizes.



Applications

- ◇ Steel plate
- ◇ Wooden plate
- ◇ Plywood

How to order

SPF 15 N – M5M

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SPF	2 – φ2mm	35 – φ35mm	Nil – Suction cup only M3M – M3 Male thread M5M – M5 Male thread M8M – M8 Male thread M10F – M10x1.25 Female thread G1F – G1/8 Female thread
	3.5 – φ3.5mm	40 – φ40mm	
	5 – φ5mm	50 – φ50mm	
	6 – φ6mm	60 – φ60mm	
	8 – φ8mm	80 – φ80mm	
	10 – φ10mm	95 – φ95mm	
	15 – φ15mm	120 – φ120mm	
	20 – φ20mm	150 – φ150mm	
	25 – φ25mm	200 – φ200mm	
	30 – φ30mm		
		N – NBR 55 ★ WS – White silicone 50 ★ CN – Conductive NBR • 55 CS – Conductive silicone • 55 HP – Mark free rubber 55	

◇ Note: "★" – common material, in stock. For other materials, please consult with AIRBEST.

◇ Note: HP material is available for suction cup SPF10–50.

Selection

Model	M3M	M5M	M8M	M10F	G1F
SPF2 – 3.5	●	–	–	–	–
SPF5 – 40	–	●	–	–	–
SPF50	–	–	●	–	–
SPF60 – 95	–	–	–	●	●
SPF120 – 200	Connected by 4 pcs M8 hexagon socket head cap screws				

◇ Note: "●" – default, in stock; "–" – unavailable.

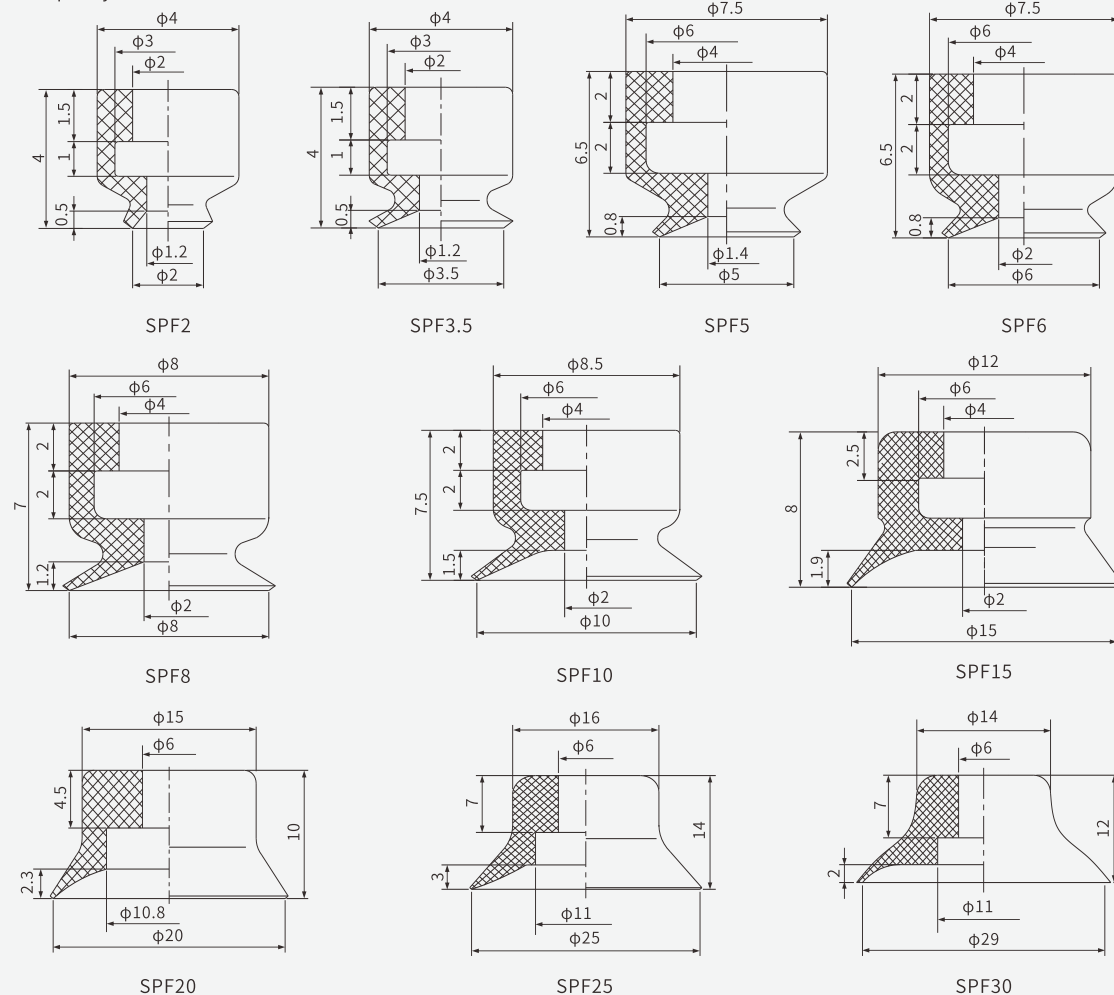
Technical parameters

Model	Pull-out force(N)	Inner volume (cm ³)	Recommended hose diameter(mm)	Model	Pull-out force(N)	Inner volume (cm ³)	Recommended hose diameter(mm)
SPF2	0.15	<0.1	4	SPF35	43	2.4	6
SPF3.5	0.4	<0.1	4	SPF40	60	3.4	6
SPF5	0.9	<0.1	4	SPF50	92	5.7	8
SPF6	1.2	<0.1	4	SPF60	127	11	8
SPF8	2.2	<0.1	4	SPF80	226	25.3	8
SPF10	3.5	<0.1	4	SPF95	319	38	10
SPF15	8	0.2	6	SPF120	510	81	10
SPF20	15	0.5	6	SPF150	800	171	12
SPF25	24	1.1	6	SPF200	1,410	364	12
SPF30	32	1	6				

◇ 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.

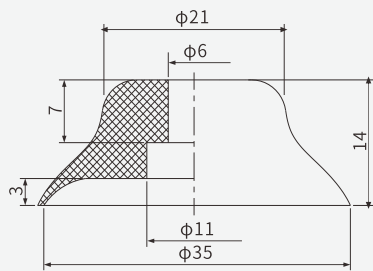
Dimensions(mm)

Suction cup only

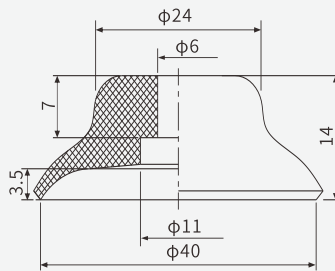


SB
SBA
SBB
SBF
SBOF
SFT
SFA
STP
SBL
SBLP
SBS
SF
SU
SUF
SFG
SFU
STC
SFF
SFM
SDM
SHT
SOFA
SOB
SOF
SOG
SFP
SBP
SXP
SGP
SDL
SH
SHB
SZ
SAN
SAO
SPA
SPC
SPF
SPJ
SPU
SNP
SOP

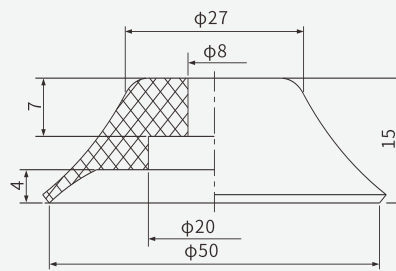
Dimensions(mm)



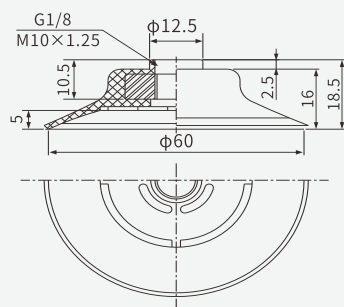
SPF35



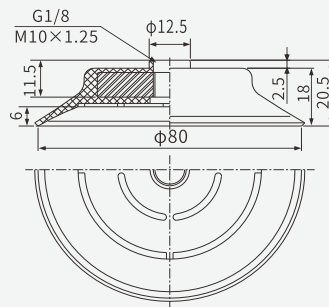
SPF40



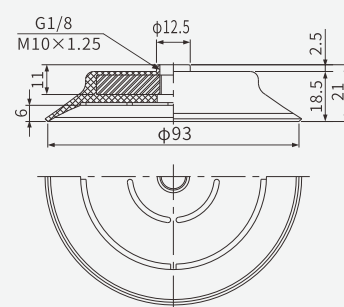
SPF50



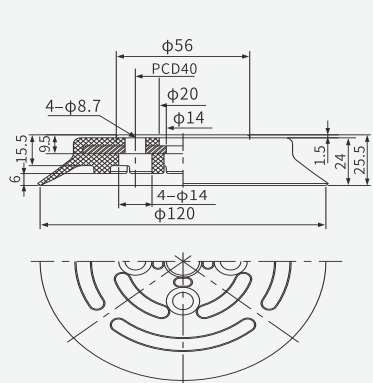
SPF60



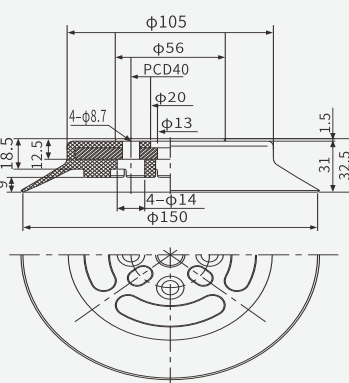
SPF80



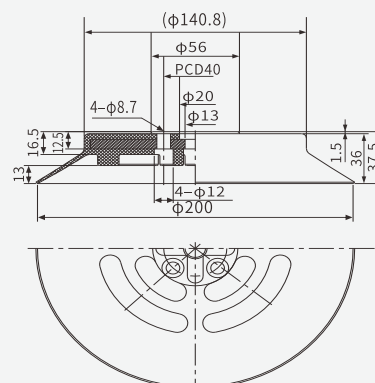
SPF95



SPF120

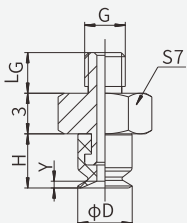


SPF150

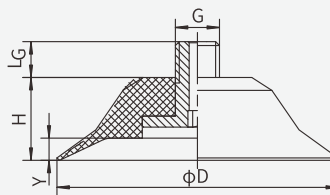


SPF200

Dimensions(mm)



SPF2-3.5 Male thread connection



SPF5-50 Male thread connection

Model/Size	D	H	Y	G	L _g
SPF2-M3M	2.5	4	0.5	M3	3.5
SPF3.5-M3M	3.9	4	0.5	M3	3.5
SPF5-M5M	5	6.5	0.8	M5	5
SPF6-M5M	6.5	6.5	0.8	M5	5
SPF8-M5M	8.5	7	1.2	M5	5
SPF10-M5M	10.5	7.5	1.5	M5	5
SPF15-M5M	15.5	8	1.9	M5	5
SPF20-M5M	21	10	2.3	M5	5
SPF25-M5M	25.5	14	3	M5	5
SPF30-M5M	30	12	2	M5	5
SPF35-M5M	36	14	3	M5	5
SPF40-M5M	42	14	3.5	M5	5
SPF50-M8M	51	15	4	M8	6.5

Mounting parts

Item	Model	Applicable suction cup
Fitting for suction cup	PJS-M3M-ST1	SPF2, 3.5
	PJS-M5M-ST2	SPF5, 6, 8, 10, 15
	PJS-M5M-ST3	SPF20
	PJS-M5M-ST4	SPF25, 30, 35, 40
	PJS-M8M-ST6	SPF50

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

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