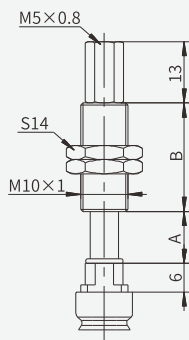


SAO Series - Suction Cup With Level Compensator

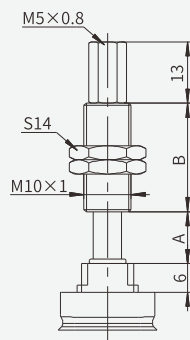
Oval Flat Suction Cup

Dimensions (mm)

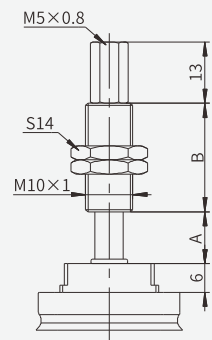
Female thread connection



Suction cup
3.5×7 4×10 5×10 6×10

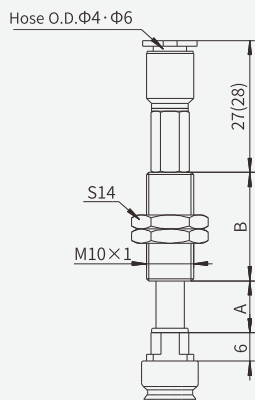


Suction cup
4×20 5×20 6×20 8×20

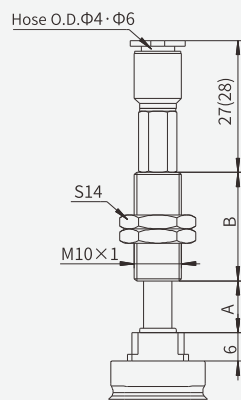


Suction cup
4×30 5×30 6×30 8×30

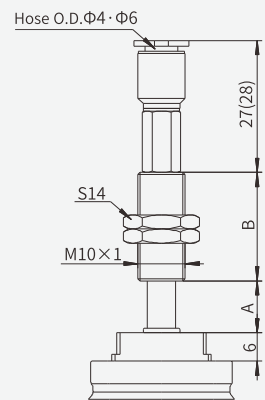
One touch fitting connection



Suction cup
3.5×7 4×10 5×10 6×10



Suction cup
4×20 5×20 6×20 8×20



Suction cup
4×30 5×30 6×30 8×30

Model/ Size	A	B	Buffer stroke	F1(N)	F2(N)
SAO	11	23	10	1.0	3.0
	21	51	20		
	31	51	30		
	41	77	40		
	51	77	50		

◇Note: "F1" means spring force at 0 stroke, "F2" means spring force at max stroke.

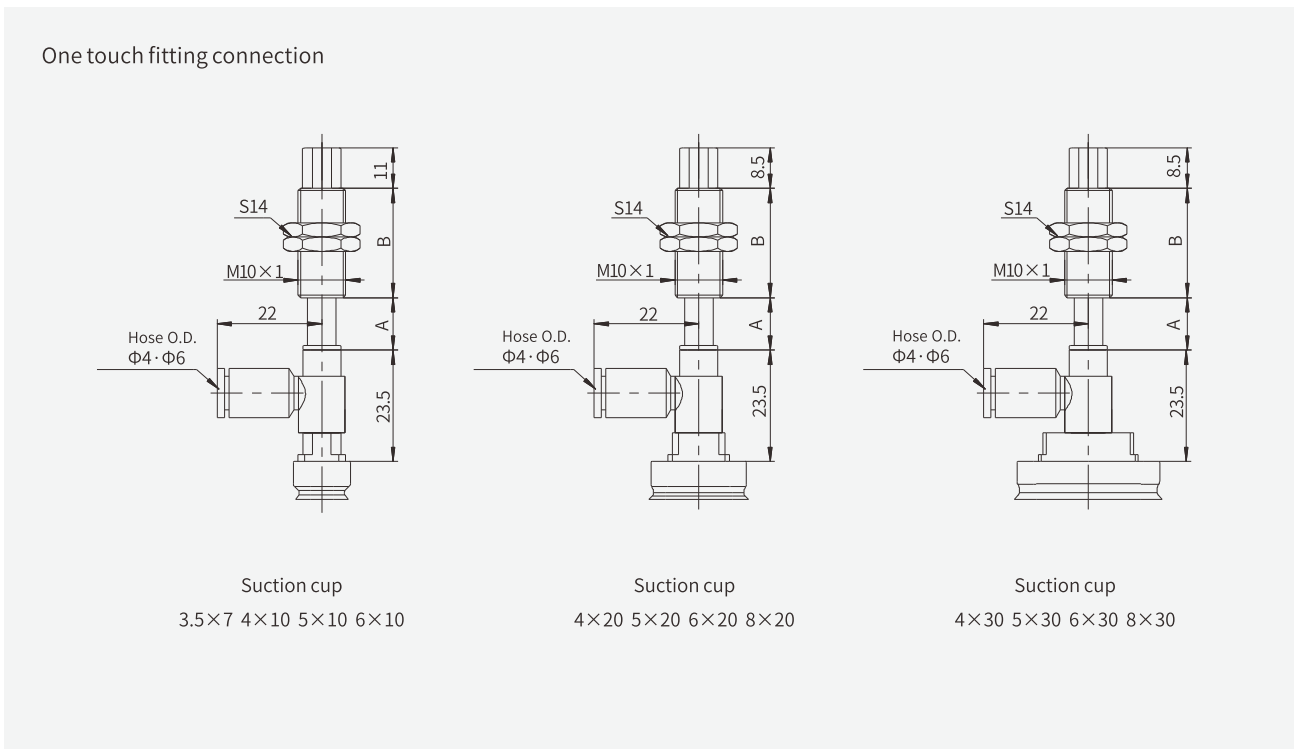
SAO Series-Suction Cup With Level Compensator

Oval Flat Suction Cup



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

Dimensions (mm)



Model/ Size	A	B	Buffer stroke	F1(N)	F2(N)
SAOR	11	23	10	1.0	3.0
	21	51	20		
	31	51	30		
	41	77	40		
	51	77	50		

◇Note: "F1" means spring force at 0 stroke,"F2" means spring force at max stroke.

Mounting parts

Item	Model	Applicable suction cup
Fitting for suction cup	PJS-M5F-SAO10	SAO3.5×7, 4×10, 5×10, 6×10
	PJS-M5F-SAO20	SAO4×20, 5×20, 6×20, 8×20
	PJS-M5F-SAO30	SAO4×30, 5×30, 6×30, 8×30