

Features

- ◇ Large inner support structure protects the metal sheet from deformation and damage during the handling process.
- ◇ Slot structure efficiently improves the friction force between suction cup and workpiece in order to prevent the oily metal sheet from slipping during the handling process.
- ◇ 1.5 bellows structure has good sealing and buffer to workpiece with uneven surface.
- ◇ Oval suction cup is more suitable for long and narrow workpiece with flat surface and curved surface.



Applications

- ◇ Car stamped steel plate, oily steel plate
- ◇ Long and narrow workpiece with slightly curved surface

How to order

SOB 30×60 N – G2F

① ② ③ ④

① Series	② Diameter	③ Material & Hardness	④ Connection thread
SOB	30×60 40×80 55×110 70×140	N –NBR 60	G2M – G1/4 Male thread G2F – G1/4 Female thread G3F – G3/8 Female thread M10M – M10 Male thread M14M – M14×1.5 Male thread RA – Rectangular adapter

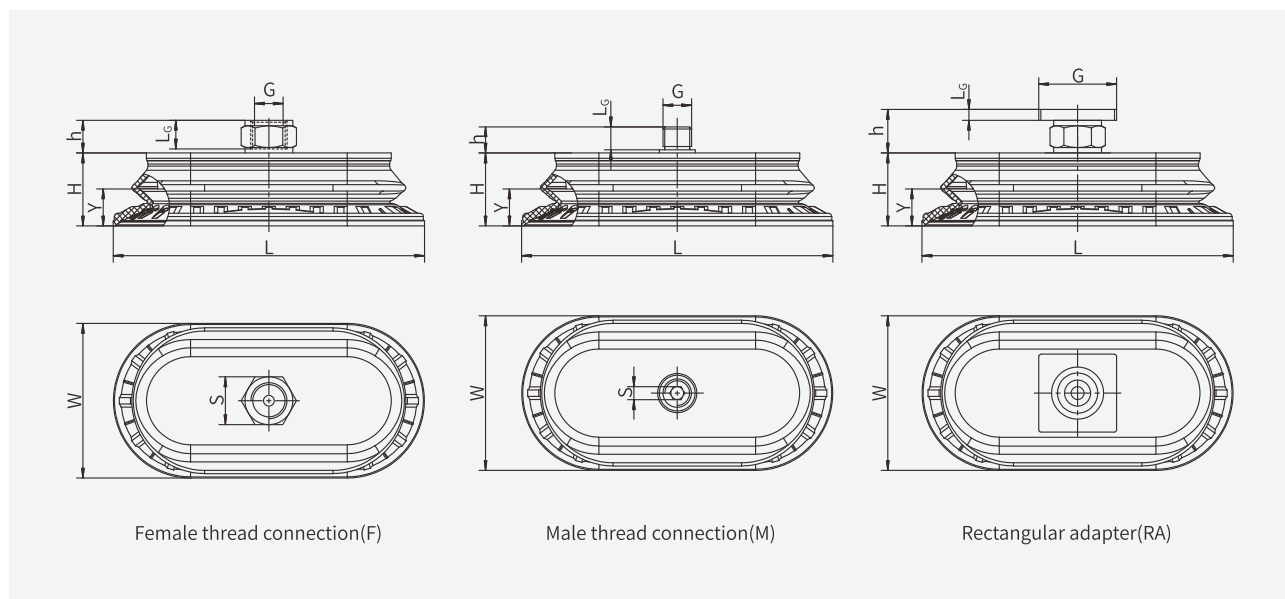
Technical parameters

Model	vertical 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 diameter (mm)	Weight (g)
SOB30×60	53	60	50	8.7	25	6	26
SOB40×80	110	118	101	20	32	8	33
SOB55×110	197	200	183	50	50	8	75
SOB70×140	275	295	267	100	70	8	117

- ◇ 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.

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
SOL
SH
SHB
SZ
SAN
SAO
SPA
SPC
SPF
SPJ
SPU
SNP
SOP

Dimensions(mm)



Model/Size	L	W	H	G	L _g	h	S	Y
SOB30×60-G2F	62	31	20	G1/4	11	14	17	6
SOB30×60-G2M	62	31	20	G1/4	12	13.5	5	6
SOB30×60-G3F	62	31	20	G3/8	11	14	22	6
SOB30×60-M10M	62	31	20	M10	12	13.5	5	6
SOB30×60-M14M	62	31	20	M14×1.5	12	13.5	5	6
SOB30×60-RA	62	31	20	□32	4.7	18.7	—	6
SOB40×80-G2F	82	41	22.7	G1/4	11	14	17	8.8
SOB40×80-G2M	82	41	22.7	G1/4	12	13.5	5	8.8
SOB40×80-G3F	82	41	22.7	G3/8	11	14	22	8.8
SOB40×80-M10M	82	41	22.7	M10	12	13.5	5	8.8
SOB40×80-M14M	82	41	22.7	M14×1.5	12	13.5	5	8.8
SOB40×80-RA	82	41	22.7	□32	4.7	18.7	—	8.8
SOB55×110-G2F	112	57	29	G1/4	11	14	17	12.5
SOB55×110-G2M	112	57	29	G1/4	12	13.5	5	12.5
SOB55×110-G3F	112	57	29	G3/8	11	14	22	12.5
SOB55×110-M10M	112	57	29	M10	12	13.5	5	12.5
SOB55×110-M14M	112	57	29	M14×1.5	12	13.5	5	12.5
SOB55×110-RA	112	57	29	□32	4.7	18.7	—	12.5
SOB70×140-G2F	143	70.5	33	G1/4	11	14	17	17
SOB70×140-G2M	143	70.5	33	G1/4	12	13.5	5	17
SOB70×140-G3F	143	70.5	33	G3/8	11	14	22	17
SOB70×140-M10M	143	70.5	33	M10	12	13.5	5	17
SOB70×140-M14M	143	70.5	33	M14×1.5	12	13.5	5	17
SOB70×140-RA	143	70.5	33	□32	4.7	18.7	—	17

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