

SOM Series

AIRBEST

Oval Flat Suction Cup Special for Long and Narrow Objects



METAL SHEET



SLIPPING RESISTANCE



CURVED SURFACE



OILY SURFACE



LONG LIFETIME

RoHS

Features

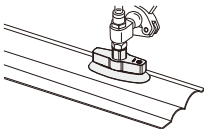
- ◇ Large stroke and good flexibility
- ◇ PU material
- ◇ Internal large area pattern support structure
- ◇ Non-rotating structure
- ◇ Various sizes are available

Advantages

- ◇ Easy to fit the workpieces with different shapes of surfaces
- ◇ Long lifetime, excellent wear resistance, ozone resistance, oil resistance
- ◇ Effectively increase friction force between suction cups and workpieces
- ◇ The parts can be recycled
- ◇ The direction of suction cup can be accurately positioned according to workpiece shape
- ◇ Suitable for workpieces with different sizes and shapes

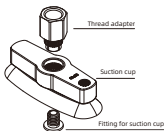
Applications

- ◇ Handling of oval workpiece with curved surface
- ◇ Handling long and narrow or cylindrical workpieces



Structure

- ◇ Split structure design, wearing parts can be replaced separately



Suction Cup

SZ
SP3
SUF
SAN
SAO
SOFA
STP
SFT
SFA
SBT
SBL
SBLP
SBS
SPF
SEP
SXP
SGP
SBCF
STC
SFF
SOB
SOF
SDG
SFM
SOM
SEP
SOM
SPU
SFK
SHT
SDL
SPG
SFGT
SPD
SB
SBA
SF
SU
SP2P
SPA
SPD
SPF
SPC
SPJ
SPU
SH
SHB
SBB
SOP
SNP

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How to order

SOM 30×80 U - G2F

① ② ③ ④

① Series	② Size	③ Material & Hardness	④ Connection thread
SOM	20×60 30×80 40×100	U - PU 70	Nil - Suction cup only G2F - G1/4 female thread G3F - G3/8 female thread G2M - G1/4 male thread M10M - M10×1.5 male thread M14M - M14×1.5 male thread RA - Rectangular adapter

Selection

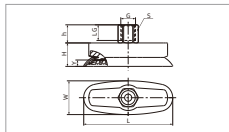
Model	Connection thread G2M	M10M	M14M	G2F	G3F	RA
SOM20×60U	SOM20×60U-G2M	SOM20×60U-M10M	SOM20×60U-M14M	SOM20×60U-G2F	-	SOM20×60U-RA
SOM30×80U	SOM30×80U-G2M	SOM30×80U-M10M	SOM30×80U-M14M	SOM30×80U-G2F	-	SOM30×80U-RA
SOM40×100U	SOM40×100U-G2M	SOM40×100U-M10M	SOM40×100U-M14M	-	SOM40×100U-G3F	SOM40×100U-RA

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
SOM20×60U	61	44	44	5	10	14	8	1
SOM30×80U	116	110	110	12	20	24.4	8	1
SOM40×100U	187	135	135	25	32	50.6	8	1

○ Note: Testing vacuum level -608Pa, workpiece with 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)



Model/Size	L	W	H	G	h	LG	S	Y
SOM20×60U-G2F	63.5	20.5	22	G1/4	17	12	17	5
SOM30×80U-G2F	83.5	31.5	22	G1/4	17	12	17	6
SOM40×100U-G3F	103.5	43.5	29	G3/8	17	12	22	7

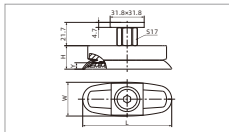
F - Female thread connection

SOM Series

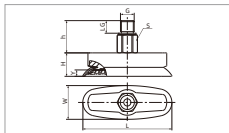
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Dimensions(mm)



RA - Rectangular adapter



M - Male thread connection

Note: The dimensional tolerance conforms to GB/T6723-2002-1 M3 rubber product dimensional tolerance standard

Model/Size	L	W	H	Y
SOM20x60U-RA	63.5	20.5	22	5
SOM30x80U-RA	83.5	31.5	22	6
SOM40x100U-RA	103.5	43.5	29	7

Model/Size	L	W	H	G	h	LG	S	Y
SOM20x60U-G2M	63.5	20.5	22	G1/4	28	9	17	5
SOM20x60U-M10M	63.5	20.5	22	M10x1.5	30.5	11	17	5
SOM20x60U-M14M	63.5	20.5	22	M14x1.5	30.5	11	17	5
SOM30x80U-G2M	83.5	31.5	22	G1/4	28	9	17	6
SOM30x80U-M10M	83.5	31.5	22	M10x1.5	30.5	11	17	6
SOM30x80U-M14M	83.5	31.5	22	M14x1.5	30.5	11	17	6
SOM40x100U-G2M	103.5	43.5	29	G1/4	28	9	22	7
SOM40x100U-M10M	103.5	43.5	29	M10x1.5	30.5	11	22	7
SOM40x100U-M14M	103.5	43.5	29	M14x1.5	30.5	11	22	7

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SDG

SFM

SOM

SOM

SOM

SFU

SFK

SHT

SDL

SFG

SFGT

SFD

SB

SBA

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SNP