

Silicon Rubber Sheets, High Strength Silicon Rubber Sheets

■ Silicon rubber excels in heat, low temperature and weather resistance. Compliant with Food Sanitation Act, Ordinance of the Ministry of Health and Welfare No. 85. ■ High Strength Silicon Rubber has 3-5 times more tear strength than the ordinary silicon rubber which is inferior in mechanical strength.
 ♣ For Rubber Gaskets, see P455. For Rubber Blocks, see P422.



A Selectable Type		A, B Configurable Type		Material	Hardness	Color
No Adhesive	Adhesive	No Adhesive	Adhesive			
RBSM	RBSMA	RBSMF	RBSMFA	Silicon Rubber (SI)	Shore A70	Light Gray
RBAM	RBAMA	RBAMF	RBAMFA	Silicon Rubber (SI)	Shore A50	Milky White
RBHSM	RBHSMA	RBHSMF	RBHSMFA	High Strength Silicon Rubber (SI)	Shore A50	Ivory

- Ⓢ Adhesive thickness is 0.14 ~ 0.2mm.
- Ⓢ For Adhesive Strength Data, see P438(ADTS).
- Ⓢ The milky white color of silicone rubber shore A 50 is translucent.
- Ⓢ Temperature limit for seals is 80°C.

Accuracy Standards		
T Tolerance		A, B Tolerance
T	Tolerance	A, B Tolerance
0.5	±0.2	200 or Less ±0.5
1~3	±0.3	201~300 ±1.0
5	±0.4	301~500 ±1.5
10	±0.6	
15~30	-0.5~+2.0	

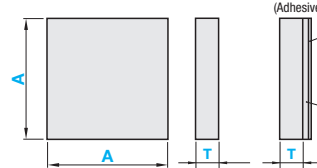
Features of High Strength Silicon Rubber

Excels in tear strength compared with general silicon rubber.

Comparison of Tear Strength (N/mm)	(N/mm)
Silicon Rubber (Shore A70)	7
Silicon Rubber (Shore A50)	10
High Strength Silicon Rubber (Shore A50)	32
Nitrile Rubber (Shore A70)	20

Ⓢ JIS K6252

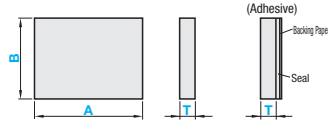
Square Type



Band Type

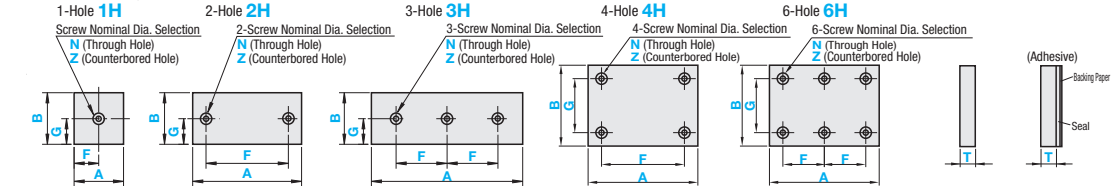


A, B Configurable - Standard Type



Hole Machining Details						
Screw Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	12
d1	6.5	8	9.5	11	14	17.5
h	3.5	4.5	5.5	6.5	9	11

A, B Configurable - Hole Type



- Ⓢ For Adhesive Type T5 or more, the adhesive tape may tear from the body. Please use it as temporary fixing, or in combination with bolt fixing.
- Ⓢ A, B dimension tolerance has been changed. Please refer to the accuracy standards above.

Square Type

Part Number		T	A Selection
Type			
No Adhesive	Adhesive	0.5	300
		*1	
		*2	
		*3	
		*5	
		*10	
RBSM	RBSMA	15	500
		20	
		30	
		30	

Band Type

Part Number		T	A Selection
Type			
No Adhesive	Adhesive	0.5	3
		*1	5
		*2	10
		*3	20
		*5	30
		*10	40
RBSM	RBSMA	*2	30
		*3	40
		*5	50
		*10	80
RBAM	RBAMA	*5	80
		*10	100

A, B Configurable - Standard Type

Part Number		T	A	B
Type			1mm Increment	
No Adhesive	Adhesive	0.5	10~500	10~500
		*1		
		*2		
		*3		
		*5		
		*10		
RBSMF	RBSMFA	15	10~500	10~500
		20		
		30		
		30		

Ⓢ Only those * marked are available for T dimension of RBHSM and RBHSMA.

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Ⓢ Only those * marked are available for T dimension of RBHSMF and RBHSMFA. Ⓢ A≥B≥T

A, B Configurable - Hole Type

Part Number		1mm Increment (A≥B≥T)		0.5mm Increment		Screw Nominal Dia. Selection				
Type		A	B	F	G	N (Through Hole)	Z (Counterbored Hole)			
No Adhesive	Adhesive	1H	0.5	25~500	25~500	5~495 (1H Type)	5~495 (1H, 2H, 3H Types)	3	-	
		*1	-							
		*2	-							
		*3	-							
		*5	-							
		*10	-							
RBSMF	RBSMFA	3H	15	25~500	25~500	9~491 (2H, 4H Types)	9~491 (4H, 6H Types)	3	4	
		*10	4					5	6	8
		20	4					5	6	8
		30	4					5	6	8

Ⓢ Only those * marked are available for T dimension of RBHSMF and RBHSMFA. Ⓢ A≥B≥T

Ⓢ Dimension F Specification Range: For 1H, 2H, 3H: d(d1)/2+2.5≤F≤A-d(d1)/2-2.5; for 2H, 4H: d(d1)+5≤F≤A-d(d1)-5; for 3H, 6H: d(d1)+5≤F≤A/2-d(d1)/2-2.5.

Ⓢ Dimension G Specification Range: For 1H, 2H, 3H: d(d1)/2+2.5≤G≤B-d(d1)/2-2.5; for 4H, 6H: d(d1)+5≤G≤B-d(d1)-5. (d for through holes, d1 for counterbored holes.)



Ordering Example

■ Square Type, Band Type
 Part Number - A
 RBSMA15 - 300

■ A, B Configurable - Standard / Hole Type
 Part Number - A - B - F - G - Screw Nominal Dia.
 RBSMF10 - 110 - 65
 RBHSMFA4H5 - 200 - 150 - F140 - G100 - N5