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 P.455. For Rubber Blocks, see P.422.

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 P.438(ADTS).
The milky white color of silicone rubber shore A 50 is translucent.
Temperature limit for seals is 80°C.

■Accuracy Standards

T Tolerance

T	Tolerance
0.5	±0.2
1~3	±0.3
5	±0.4
10	±0.6
15~30	-0.5~+2.0

A, B Tolerance

A, B	Tolerance
200 or Less	±0.5
201~300	±1.0
301~500	±1.5

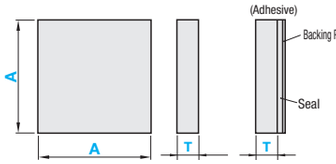
■Features of High Strength Silicon Rubber

Excels in tear strength compared with general silicon rubber.

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

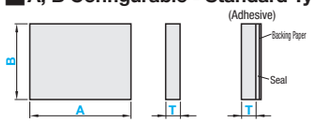
JIS K6252

■Square Type



■Band Type

■A, B Configurable - Standard Type

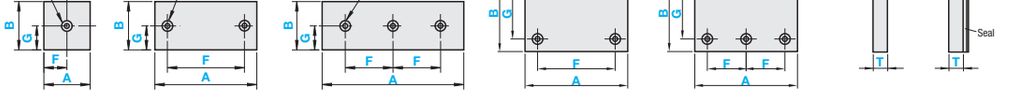


Hole Machining Details

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

1-Hole 1H, 2-Hole 2H, 3-Hole 3H, 4-Hole 4H, 6-Hole 6H
Screw Nominal Dia. Selection
N (Through Hole)
Z (Counterbored Hole)



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 Type		T	A Selection
No Adhesive	Adhesive		
RBSM	RBSMA	0.5	300
RBAM	RBAMA	*1	
*RBHSM	*RBHSMA	*2	
		*3	
		*5	
		*10	500
		15	
		20	
		30	

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

■Band Type

Part Number Type		T	A Selection
No Adhesive	Adhesive		
RBSM	RBSMA	0.5	3
RBAM	RBAMA	*1	5
*RBHSM	*RBHSMA	*2	10
		*3	20
		*5	30
		*10	40
		15	50
		20	80
		30	100

* Only those * marked are available for T dimension of RBHSM and RBHSMA.
L dimension is 500mm.

■A, B Configurable - Standard Type

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

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

■A, B Configurable - Hole Type

Part Number Type		Nominal	T	1mm Increment (A≥B≥T) A	1mm Increment (A≥B≥T) B	0.5mm Increment F	0.5mm Increment G	Screw Nominal Dia. Selection N (Through Hole)	Screw Nominal Dia. Selection Z (Counterbored Hole)
No Adhesive	Adhesive	1H	0.5	25~500	25~500	5~495 (1H Type)	5~495 (1H, 2H, 3H Types)	3	-
RBSMF	RBSMFA	2H	*1					4	-
RBAMF	RBAMFA	3H	*2			9~491 (2H, 4H Types)		5	-
*RBHSMF	*RBHSMFA	4H	*3				9~491 (4H, 6H Types)	6	-
		6H	*5			9~245 (3H, 6H Types)		8	3 4
			*10					10	4 5 6 8
			15						4 5 6 8
			20						4 5 6 8 10
			30						

* Only those * marked are available for T dimension of RBHSMF and RBHSMFA. A≥B≥T
Dimension F Specification Range: For 1H: 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

The price of this product is the unit price shown in the table multiplied by material multiplier:

(Ex.) Part Number - A - B >>
RBSMFA10 - 100 - 100
(Unit Price) x (Material Multiplier)= Standard Type Unit Price

■Square Type

Part Number Type		T	Unit Price A 300	Unit Price A 500
No Adhesive		0.5		
RBSM (x1.0)		1		
RBAM (x1.0)		2		
Adhesive		3		
RBSMA (x1.4)		5		
RBAMA (x1.4)		10		
( ) Material Multiplier		15		
		20		
		30		
No Adhesive		1		
RBHSM (x1.0)		2		
Adhesive		3		
RBHSMA (x1.2)		5		
( ) Material Multiplier		10		

■Band Type

Part Number Type		T	Unit Price A 3	5	10	20	30	40	50	80	100
No Adhesive		0.5									
RBSM RBAM (x1.0)		1									
Adhesive		2									
RBSMA RBAMA (x1.4)		3									
( ) Material Multiplier		5									
		10									
No Adhesive		1									
RBHSM (x1.0)		2									
Adhesive		3									
RBHSMA (x1.2)		5									
( ) Material Multiplier		10									

■A, B Configurable - Standard / Hole Type

The price of the Hole Type is found by adding the standard type unit price and the hole machining charge.

Part Number Type		T	A	Unit Price B 10~50	51~100	101~200	201~300	301~400	401~500
No Adhesive		0.5	10~50		-	-	-	-	-
RBSMF (x1.0)			51~100						
			101~200						
RBAMF (x1.0)			201~300						
			301~400						
Adhesive			401~500						
RBSMFA (x1.3)		1	10~50		-	-	-	-	-
			51~100						
			101~200						
RBAMFA (x1.3)			201~300						
			301~400						
( ) Material Multiplier			401~500						
		2	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		3	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		5	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		10	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		15	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		20	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						
		30	10~50		-	-	-	-	-
			51~100						
			101~200						
			201~300						
			301~400						
			401~500						

Part Number Type		T	A	Unit Price B 10~100	101~200	201~300	301~400	401~500
No Adhesive		1	10~100		-	-	-	-
RBSM RBAM (x1.0)			101~200					
Adhesive			201~300					
RBSMA RBAMA (x1.4)			301~400					
( ) Material Multiplier			401~500					
		2	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					
No Adhesive		3	10~100		-	-	-	-
RBHSM (x1.0)			101~200					
Adhesive			201~300					
RBHSMA (x1.2)			301~400					
( ) Material Multiplier			401~500					
		5	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					
		10	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					

Part Number Type		T	A	Unit Price B 10~100	101~200	201~300	301~400	401~500
No Adhesive		1	10~100		-	-	-	-
RBSMF (x1.0)			101~200					
			201~300					
RBAMF (x1.0)			301~400					
			401~500					
Adhesive		2	10~100		-	-	-	-
RBSMFA (x1.3)			101~200					
			201~300					
RBAMFA (x1.3)			301~400					
			401~500					
( ) Material Multiplier		3	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					
		5	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					
		10	10~100		-	-	-	-
			101~200					
			201~300					
			301~400					
			401~500					

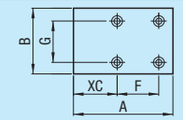
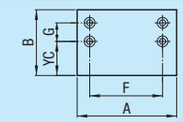
■Hole Machining Charge

Hole Type	Screw Nominal N (Through Hole)	Screw Nominal Z (Counterbored Hole)
1H		
2H		
3H		
4H		
6H		

(Ex.)
Part Number - A - B - F - G - Screw Nominal Dia. >>
RBSMF4H10 - 200 - 180 - F160 - G140 - Z3

(Standard (Type Unit Price)) + (Hole Machining Charge) = (Hole Type Unit Price)

Alterations
Part Number - A - B - F - G - Screw Nominal Dia. - (XC, YC)
RBAMF4H5 - 100 - 80 - F65 - G40 - N4 - YC30

Alterations	Hole Position from Left	Hole Position from Bottom
		
Code	XC	YC
Spec.	XC=1mm Increment 5≤XC≤486 (2H, 4H Types) d(d1)/2+2.5≤XC≤A-F-d(d1)/2-2.5 (3H, 6H Types) d(d1)/2+2.5≤XC≤A-2F-d(d1)/2-2.5	YC=1mm Increment 5≤YC≤486 d(d1)/2+2.5≤YC≤B-G-d(d1)/2-2.5