

Nitrile Rubber Sheets

■ Nitrile rubber excels in abrasion and oil resistance and is inexpensive. ■ Oil-resistant adhesives are available as an alternative.
 ☞ 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	No Adhesive	Adhesive	No Adhesive	Adhesive			
RBNM	RBNMA	RBNMF	RBNMFA			Nitrile Rubber (NBR)	Shore A70	Black		
RBTM	RBTMA	RBTMF	RBTMFA						Shore A50	Black
RBNW	RBNWA	RBNWF	RBNWFA						Shore A65	White

☞ Adhesive thickness is 0.14 ~ 0.2mm. ☞ For Adhesive Strength Data, see P.438 (ADTR).
 ☞ Temperature limit for seals is 80°C. ☞ For oil-resistant adhesive strength, see P.420

■ 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			■ Band Type			■ A, B Configurable - Standard Type		
Part Number	T	A Selection	Part Number	T	A Selection	Part Number	T	1mm Increment
No Adhesive	0.5	300 500	No Adhesive	0.5	3	No Adhesive	0.5	10~500
Adhesive	*1		Adhesive	5	5	Adhesive	*1	
RBNM	*2		RBNM	10	10	RBNMF	*2	
RBTM	*3		RBTM	20	20	RBTMF	*3	
*RBNW	*5		*RBNW	30	30	*RBNWF	*5	
	*10			40	40		*10	
	*15			50	50		*15	
	*20			80	80		*20	
	*30			100	100		*30	

☞ Only * marked T dimensions are available for RBNW and RBNWA. ☞ L dimension is 500mm.
 ☞ Only * marked T dimensions are available for RBNW and RBNWA. ☞ Only * marked T dimensions are available for RBNWF and RBNWFA. ☞ A≥B≥T

■ A, B Configurable - Hole Type

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

☞ Dimension F Specification Range: For 1H: $d(d_1)/2 + 2.5 \leq F \leq A - d(d_1)/2 - 2.5$, for 2H, 4H: $d(d_1) + 5 \leq F \leq A - d(d_1) - 5$, for 3H, 6H: $d(d_1) + 5 \leq F \leq A/2 - d(d_1)/2 - 2.5$.
 ☞ Dimension G Specification Range: For 1H, 2H, 3H: $d(d_1)/2 + 2.5 \leq G \leq B - d(d_1)/2 - 2.5$, for 4H, 6H: $d(d_1) + 5 \leq G \leq B - d(d_1) - 5$. (d for through holes, d1 for counterbored holes).
 ☞ Only * marked T dimensions are available for RBNWF and RBNWFA. ☞ A≥B≥T

Ordering Example

Part Number	A	Part Number	A	B	F	G	Screw Nominal Dia.
RBNM5	100	RBNMF10	110	65			
RBTMA15	500	RBTMF420	200	150	F140	G100	Z5

■ Square Type

Type	T	Unit Price							
		NBR Black		NBR White		NBR Black		NBR White	
		No Adhesive	Adhesive	No Adhesive	Adhesive	No Adhesive	Adhesive	No Adhesive	Adhesive
		RBNM	RBNMA	RBNW	RBNWA	RBNM	RBNMA	RBNW	RBNWA
		RBTM	RBTMA			RBTM	RBTMA		
		300		500					

■ A Selectable - Band

Part Number	Type	T	Unit Price									
			A									
			3	5	10	20	30	40	50	80	100	
No Adhesive	RBNM (x1.0)	0.5										
	RBTM (x1.0)	*1										
	*RBNW (x1.2)	*2										
Adhesive	RBNMA (x1.3)	*3										
	RBTMA (x1.3)	*4										
	*RBNWA (x1.4)	*5										
		*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	Unit Price						Part Number	Type	T	Unit Price					
			A		B							A		B			
			10~100	101~200	201~300	301~400	401~500				10~100	101~200	201~300	301~400	401~500		
No Adhesive	RBNMF (x1.0)	0.5	10~100	-	-	-	-	No Adhesive	RBNMF (x1.0)	*10	10~100	-	-	-	-		
	RBTMF (x1.0)	*1	10~100	-	-	-	-		RBTMF (x1.0)	15	10~100	-	-	-	-		
	*RBNWF (x1.4)	*1	10~100	-	-	-	-		*RBNWF (x1.4)	15	10~100	-	-	-	-		
		*1	101~200	-	-	-	-			15	101~200	-	-	-	-		
		*1	201~300	-	-	-	-			15	201~300	-	-	-	-		
		*1	301~400	-	-	-	-			15	301~400	-	-	-	-		
		*1	401~500	-	-	-	-			15	401~500	-	-	-	-		
Adhesive	RBNMFA (x1.3)	*2	10~100	-	-	-	-	Adhesive	RBNMFA (x1.3)	*20	10~100	-	-	-	-		
	RBTMFA (x1.3)	*2	10~100	-	-	-	-		RBTMFA (x1.3)	*20	10~100	-	-	-	-		
	*RBNWFA (x1.5)	*2	10~100	-	-	-	-		*RBNWFA (x1.5)	*20	10~100	-	-	-	-		
		*2	101~200	-	-	-	-			*20	101~200	-	-	-	-		
		*2	201~300	-	-	-	-			*20	201~300	-	-	-	-		
		*2	301~400	-	-	-	-			*20	301~400	-	-	-	-		
		*2	401~500	-	-	-	-			*20	401~500	-	-	-	-		
		*3	10~100	-	-	-	-			*30	10~100	-	-	-	-		
		*3	101~200	-	-	-	-			*30	101~200	-	-	-	-		
		*3	201~300	-	-	-	-			*30	201~300	-	-	-	-		
		*3	301~400	-	-	-	-			*30	301~400	-	-	-	-		
		*3	401~500	-	-	-	-			*30	401~500	-	-	-	-		

■ Hole Machining Charge

(Ex.) Part Number - A - B - F - G - Screw Nominal Dia. >>
 RBNMF4H10 - 200 - 180 - F160 - G140 - Z3

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

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

Alterations

Alterations	Hole Position from Left	Hole Position from Bottom	Adhesive Type Change
			Changes to oil-resistant adhesives.
Code	XC	YC	KT2
Spec.	XC=1mm Increment ☞ 5≤XC≤486 ☞ (2H, 4H Types) ☞ $d(d_1)/2 + 2.5 \leq XC \leq A - F - d(d_1)/2 - 2.5$ ☞ (3H, 6H Types) ☞ $d(d_1)/2 + 2.5 \leq XC \leq A - 2F - d(d_1)/2 - 2.5$	YC=1mm Increment ☞ 5≤YC≤486 ☞ $d(d_1)/2 + 2.5 \leq YC \leq B - G - d(d_1)/2 - 2.5$	☞ Not available for No Adhesive Type. ☞ Only available for T=1, 2, 3. ☞ Band Type A=3 or 5 is not selectable. ☞ RBNWA and RBNWFA are not available. (Ordering Code) KT2

■ Price of Urethane Sheets with Oil-Resistant Adhesives

KT2 (A dimension)
10~100
101~200
201~300
301~400
401~500

*Alteration Code for NTR and NTRF has changed to KT2.