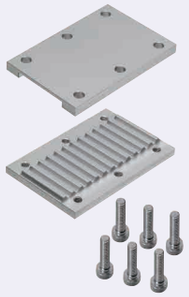
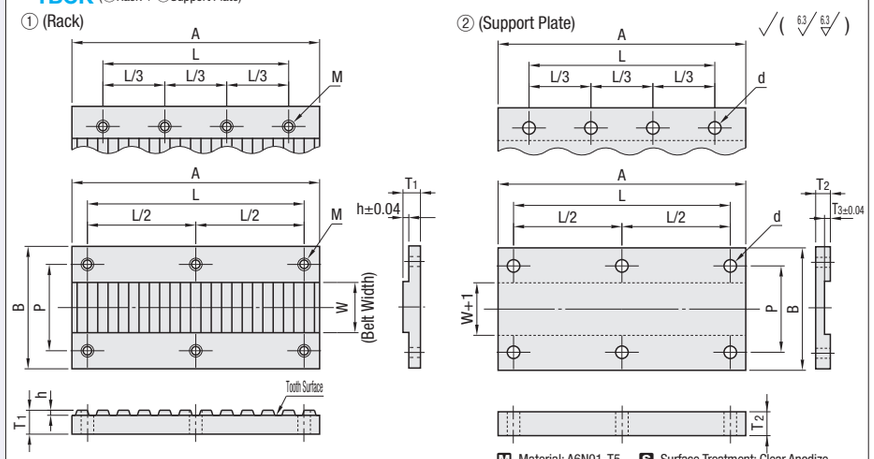
Timing Belt Clamp Plates

Overpressure Prevention Type



TBCK (①Rack + ②Support Plate)



M Material: A6N01-T5 S Surface Treatment: Clear Anodize

A Accessory: Hex Socket Head Cap Screw

RoHS 10

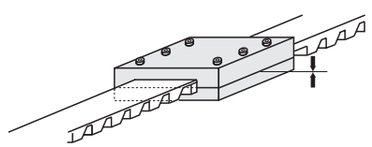
Part Number Type	Belt Type	Belt Nominal Width	W	A	B	T1	T2	T3	h	L	P	M	d	Included Screw	Number of Mounting Holes	Unit Price
TBCK (①+②)	XL	025	6.4	66	24	6	4.5	2.10	1.30	56	13	M4	4.5	M4-10	6	
		037	9.5		26						16					
		050	12.7		30						20					
	L	050	12.7	124	32	8	5.5	3.33	2.05	111	21	M5	5.5	M5-12	8	
		075	19.1		38						27					
		100	25.4		46						34					
	H	075	19.1	165	38	10	6.5	4.15	2.55	147	27			M5-14		
		100	25.4		46						34					
		150	38.1		58						46					
		200	50.8		70						59					
	S3M	060	6	39	18	4	3.5	1.94	1.25	31	11	M3	3.4	M3-6	6	
	S5M	100	10	65	26	6	5.5	3.14	2.00	51	17	M4	4.5	M4-10		
		150	15		32						22					
		250	25		42						32					
	S8M	150	15	104	34	8	6.5	4.72	3.00	84	23	M5	5.5	M5-12	8	
		250	25		44						33					
		300	30		50						38					
		400	40		60						48					
	MA3	070	7	39	20	4	3.5	1.8	1.1	31	13	M3	3.4	M3-6	6	
		100	10		24						16					
		150	15		29						21					
	MA5	100	10	65	26	6	5.5	2.9	1.7	51	17	M4	4.5	M4-10		
		150	15		32						22					
		250	25		42						32					
	MA8	150	15	104	34	8	6.5	4.3	2.8	84	23	M5	5.5	M5-12	8	
		200	20		39						28					
		250	25		44						33					
		400	40		60						48					
	T5	100	10	65	26	6	4.5	2.20	1.40	51	17	M4	4.5	M4-10	6	
		150	15		32						22					
		200	20		38						27					
		250	25		43						32					
	T10	150	15	130	34	8	6.5	4.30	2.70	111	23	M5	5.5	M5-12	8	
		200	20		40						28					
		250	25		44						33					
		300	30		50						38					
		400	40		60						48					
		500	50		70						58					
	AT5	150	15	65	32	6	4.5	2.6	1.40	51	22	M4	4.5	M4-10	6	
	AT10	200	20	130	40	8	6.5	4.30	2.70	111	28	M5	5.5	M5-12	8	
		250	25		44						33					

- This product is designed to be compatible with the Open End Belts (Urethane Type). When using this product for other types of belts, check the back thickness of the belts and dimensions of this product before use.
- The tooth profile complies with the Timing Belts and the Open End Belts.
- The A Dimension is set for engaging 6 teeth (fitting).

Ordering Example

Part Number		
Type	Belt Type	Belt Nominal Width
TBCK -	XL	025

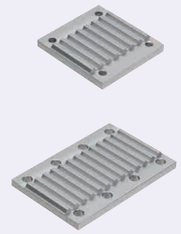
Features: Prevents excessive belt clamping by face-to-face contacting the upper and lower plates.



Timing Belt Clamp Plates

Metal Clamps for Timing Belts - Anti-overtightening, Hole Position Configurable

Features: Timing Belt Clamp Plates with specifiable mounting hole positions.



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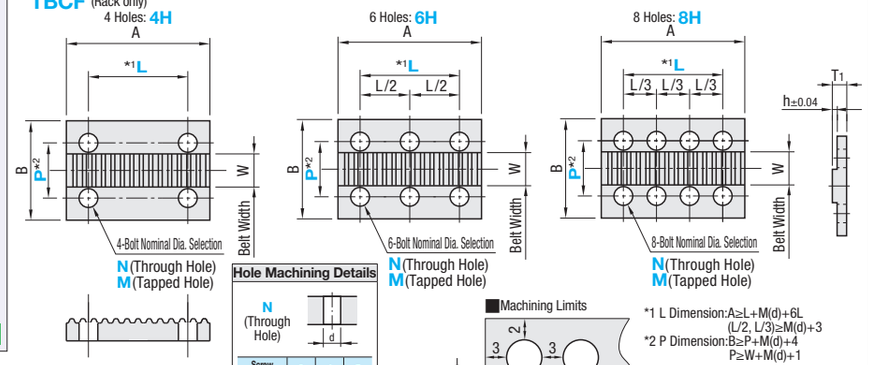
TBCF (Rack only)



Hole Machining Details

Screw Nominal Dia.	3	4	5
d	3.5	4.5	5.5

Machining Limits

*1 L Dimension: A≥L+M(d)+6L
(L/2, L/3)≥M(d)+3
*2 P Dimension: B≥P+M(d)+4
P≥W+M(d)+1

M Material: A6N01-T5
S Surface Treatment: Clear Anodize

- Side faces and holes of the metal fittings may not be clear anodized.
- Design mating parts to result in 20% compression of belt back lining materials.

Part Number Type	Belt Type	Belt Nominal Width	Number of Holes	Selection Hole Specifications	Nominal Dia.	L (1mm Increment)	P (0.5mm Increment)	W	A	B	T1	h	Body Price	Hole Machining Charge (Body Price +) 4H	6H	8H
TBCF	MXL	025	4H 6H 8H	N (Through hole) M (Tapped Hole)	3	6~17	11	6.4	26	18	4	0.60				
		037			3		14~15	9.5		22						
		050			3, 4		17~19	12.7		26						
	XL	025			3 4 5	6~57	11~17	6.4	66	24	6	1.30				
		031					12~18	7.9		25						
		037					14~19	9.5		26						
		050					17~23	12.7		30						
	L	050				6~115	17~25	12.7	124	32	8	2.05				
		075					24~31	19.1		38						
		100					30~39	25.4		46						
		150					43~51	38.1		58						
	H	075				6~156	24~31	19.1	165	38	10	2.55				
		100					30~39	25.4		46						
		150					43~51	38.1		58						
		200					55~63	50.8		70						
	S2M	040			3	6~17	8~9	4	26	16	4	0.90				
		060			3		10~11	6		18						
		100			3, 4		14~17	10		24						
	S3M	060			3	6~30	10~11	6	39	18	4	1.25				
		100			3		14~15	10		22						
		150			3, 4		19~21	15		28						
	S5M	100				6~56	14~19	10	65	26	6	2.00				
		150					19~25	15		32						
		250					29~35	25		42						
	S8M	150				6~95	19~27	15	104	34	8	3.00				
		250					29~37	25		44						
		300					34~43	30		50						
		400					44~53	40		60						
	MA3	070				6~30	11~13	7	39	20	4	1.1				
		100					14~17	10		24						
		150					19~22	15		29						
	MA5	100				6~56	14~19	10	65	26	6	1.7				
		150					19~25	15		32						
		250					29~35	25		42						
	MA8	150				6~95	19~27	15	104	34	8	2.8				
		200					24~32	20		39						
		250					29~38	25		45						
		400					44~53	40		60						
	T5	100				6~56	14~19	10	65	26	6	1.40				
		150					19~25	15		32						
		200					24~31	20		38						
		250					29~36	25		43						
	T10	150				6~121	19~27	15	130	34	8	2.70				
		200					24~33	20		40						
		250					29~37	25		44						
		300					34~43	30		50						
		400					44~53	40		60						
		500					54~63	50		70						
	AT5	100				6~56	14~19	10	65	26	6	1.40				
		150					19~25	15		32						
	AT10	150				6~121	19~27	15	130	34	8	2.70				
		200					24~33	20		40						
		250					29~37	25		44						

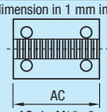
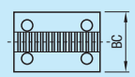
- Metal fitting of S□M type can be used with a P□M type belt.
- When selecting Number of Holes 8H, specify L dimension in multiples of 3.
- The tooth profile complies with the Timing Belts and the Open End Belts.
- When selecting L, P dimensions, make sure that they satisfy the conditions mentioned on *1 or *2 positioned on the right bottom of Drawing.

Ordering Example

Part Number											
Type	-	Belt Type	Belt Nominal Width	-	Number of Holes	-	Hole Specifications, Nominal Dia.	-	L	-	P
TBCF -		S5M	250	-	4H	-	M4	-	L48	-	P31.5

Alterations

Part Number	-	Number of Holes	-	Hole Specifications, Nominal Dia.	-	L	-	P	-	(AC, BC)
TBCF-S5M150	-	6H	-	M4	-	L30	-	P22	-	AC45

Alterations Code	A Dimension Cut AC	B Dimension Cut BC
Spec.	Cuts A dimension in 1 mm increment.  AC≥L+M(d)+6	Cuts B dimension in 1 mm increment.  BC≥P+M(d)+4