

Timing Belt Clamp Plates

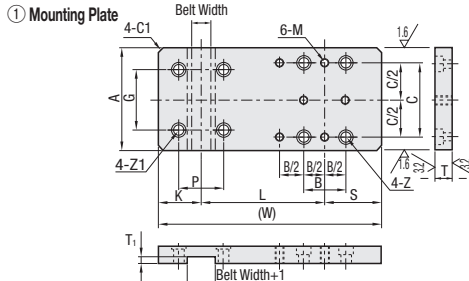
Linear Guide Mounting Plate Set

This clamp plate facilitates a belt drive unit to be mounted on a linear guide easily.



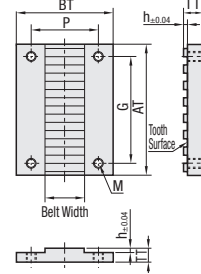
Type	Material	Surface Treatment	Number of Workpiece Mounting Holes
TBLG	A5052HP	Clear Anodize	6

Accessory	Material	Qty.	Catalog Page
Timing Belt Clamp Plates	AGN01-T5	1	Bottom on this page
Extra Low Head Cap Screw (for Belt Mounting): CBSTS	SUS304 Equivalent	4	☞ P.2-195



② Timing Belt Clamp Plate

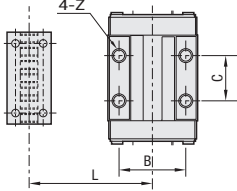
* See Specification Table for Timing Belt Clamp Plates (on the bottom of this page).



- Accuracy Standards
 - Flatness: 0.4 or Less per 1000mm
 - Plate Thickness Tolerance Thickness 6: ± 0.04
 - Thickness 8: ± 0.05

- Ⓜ Marks may be left around counterbored holes when adding those holes. This phenomenon does not affect actual use.
- Ⓜ A groove for overpressure prevention is provided to prevent a belt from being excessively clamped.

Dimension Conformance Table



Recommended Combinations		
Type	Belt Type	Applicable Linear Guide
TBLG	S3M	Miniature Linear Guide
	S5M	Miniature Linear Guide, Linear Guide for Medium Load
	T5	Miniature Linear Guide, Linear Guide for Medium Load
	XL	Linear Guide for Medium Load, Linear Guide for Heavy Load
	L	Linear Guide for Medium Load, Linear Guide for Heavy Load
	S8M	Linear Guide for Heavy Load

Counterbored Hole									
Z, Z1									
Z: Counterbore Dimension on Belt Mounting Side					Z: Counterbore Dimension on Guide Pushing Side				
Dimension	Screw	Nominal Dia.	Z1	Dimension	Screw	Nominal Dia.	Z		
Zh	2	2	2	Zh	3.5	4.5	5.5	6.5	
Z1d	3.5	4.5	5.5	Zd	3.5	4.5	5.5	6.5	
Z1d1	6.5	8.5	9.5	Zd1	6.5	8.0	9.5	11.0	

Selection Method

- Specify the type and width of belt.
 - Specify the A dimension (plate width), L dimension (center distance between Linear Guide and Timing Belt) and S dimension (Depth of Clamp Plate toward the Linear Guide Center).
 - Specify the B / C dimension (mounting hole pitch for Linear Guide) and the Z dimension (counterbore nominal dia. for Linear Guide-mounting screw). Specify the hex socket head cap screw to fit the mounting hole (counterbored hole) of Linear Guide.
- Ⓜ Linear Guide-mounting screws are not included with.

Ordering Example

Part Number - A - L - S - B - C - Z
TBLGXL050 - 50 - 100 - 24 - 35 - 35 - 6

① Mounting Plate

Type	Applicable Belts	Dimension Configurable (1mm Increment)							Fixed Dimension									
		Plate			Linear Guide-mounting Hole				Guide Side		Belt Side							
Belt Type	Nominal Width	A	L	S	B	C	Z (Counterbored Hole)	T	M (Tapped Hole)	P	G	K	Z1 (Counterbored Hole) Screw Nominal	T1	(Referential Info) Belt Width			
TBLG	XL	025	36-90	50-250	11-45	12-60	12-50	3, 4, 5, 6	T: 6 (When selecting Z=3, 4) T: 8 (When selecting Z=5, 6)	M=Z	25	12	4	2.1	6.4			
		031													7.9	7.9		
		037													9.5	9.5		
		050													12.7	12.7		
	L	075	66-125	55-250	15-45	17-60	17-50	5, 6			50	19	19	5	3.3	19.1	12.7	
		100															25.4	25.4
		150															38.1	38.1
		060															6	6
	S3M	100	25-90	30-150	11-45	12-28	12-35	3, 4, 5, 6			15	12.5	3	1.9	3	1.9	10	
		150															15	15
		250															25	25
		060															6	6
	S5M	150	37-100	50-250	15-45	17-60	17-50	5, 6			25	16	16	4	3.1	3.1	15	
		250															25	25
		150															15	15
		060															6	6
	S8M	250	56-150	60-250	15-45	17-60	17-50	5, 6			40	22	25	5	4.7	4.7	25	
		300															30	30
		400															40	40
		100															10	10
	T5	150	35-100	50-250	11-45	12-60	12-50	3, 4, 5, 6			25	16	16	4	2.2	2.2	15	
		200															20	20
		250															25	25
		060															6	6

- Ⓜ W=L+K+S
- Ⓜ A-C-Zd1 \geq 2
- Ⓜ L-B-P/2-Z1d1/2-M/2 \geq 1
- Ⓜ B(C)-Zd1-M \geq 2
- Ⓜ S-B/2-Zd1/2 \geq 1
- Ⓜ L \geq A

② Timing Belt Clamp Plate

Accessory											
Timing Belt Clamp Plates										Extra Low Head Cap Screw	
Belt Type	Nominal Width	Belt Width	AT	BT	TT	h	G	M	For T6	For T8	
XL	025	6.4	36	24	6	1.30	25	M4	CBSTS4-10	CBSTS4-12	
	031	7.9		25							
	037	9.5		26							
	050	12.7		30							
	050	12.7		32							
L	075	19.1	66	38	8	2.05	50	M5	-	CBSTS5-12	
	100	25.4		46							
	150	38.1		58							
	060	6		18							
	100	10		22							
S3M	100	10	21	22	4	1.25	15	M3	CBSTS3-8	CBSTS3-10	
	150	15		28							
	100	10		26							
S5M	150	15	35	32	6	2.00	25	M4	-	CBSTS4-12	
	250	25		42							
	150	15		34							
S8M	250	25	56	44	8	3.00	40	M5	-	CBSTS5-14	
	300	30		50							
	400	40		60							
	100	10		26							
T5	150	15	35	32	6	1.40	25	M4	CBSTS4-10	CBSTS4-12	
	200	20		38							
	250	25		43							
	100	10		26							