

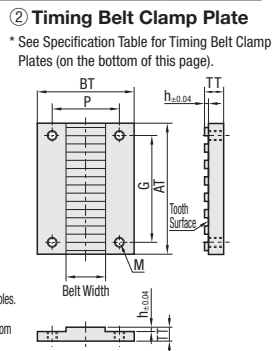
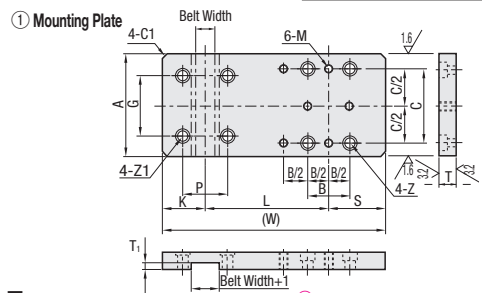
Timing Belt Clamp Plates

Linear Guide Mounting Plate Set

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

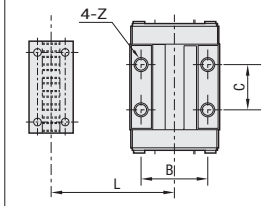


Type	Material	Surface Treatment	Number of Workpiece Mounting Holes	Accessory	Material	Qty.	Catalog Page
TBLG	A5052HP	Clear Anodize	6	Timing Belt Clamp Plates	AGN01-T5	1	Bottom on this page
				Extra Low Head Cap Screw (for Belt Mounting): CBSTS	SUS304 Equivalent	4	P.2-195



- 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			Counterbored Hole								
Type	Belt Type	Applicable Linear Guide	Z, Z1								
TBLG	S3M	Miniature Linear Guide	Z: Counterbore Dimension on Belt Mounting Side			Z: Counterbore Dimension on Guide Pushing Side					
	S5M	Miniature Linear Guide, Linear Guide for Medium Load	Dimension	Screw Nominal Dia. Z1	Dimension	Screw Nominal Dia. Z	Dimension	Screw Nominal Dia. Z			
	T5	Miniature Linear Guide, Linear Guide for Medium Load	3	4	5	3	4	5	6		
	XL	Linear Guide for Medium Load, Linear Guide for Heavy Load	Z1h	2	2	2	Zh	3.5	4.5	5.5	6.5
	L	Linear Guide for Medium Load, Linear Guide for Heavy Load	Z1d	3.5	4.5	5.5	Zd	3.5	4.5	5.5	6.5
S8M	Linear Guide for Heavy Load	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									
		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															6.4
		031	36-90	50-250	11-45	12-60	12-50	3, 4, 5, 6	T: 6 (When selecting Z=3, 4)	M=Z	13	12	13	4	2.1	7.9	
		037									14	12.5	13			9.5	
		050									16	13	15			12.7	
		050									20	15	16			12.7	
		075									21	16	19			19.1	
	075	66-125	55-250	15-45	17-60	17-50	5, 6	T: 8 (When selecting Z=5, 6)			M=Z	27	19	23	5	3.3	25.4
	100								34	23		29			38.1		
	150								46	29		38.1			38.1		
	060								11	10		10			6		
	060	25-90	30-150	11-45	12-28	12-35	3, 4, 5, 6		T: 6 (When selecting Z=3, 4)	M=Z		15	12.5	13	3	1.9	10
	100											20	15	15			15
	150							17			13	13			10		
	150							22			16	16			15		
	250							32			21	21			25		
	250	37-100	50-250	15-45	17-60	17-50	5, 6	T: 8 (When selecting Z=5, 6)			M=Z	23	17	17	4	3.1	15
	150								33	22		25			25		
	250								38	25		30			30		
	300								48	30		30			40		
	400								17	13		13			10		
	400	56-150	60-250	15-45	17-60	17-50	5, 6		T: 6 (When selecting Z=3, 4)	M=Z		22	16	16	5	4.7	15
	250							33			22	25			25		
	300							38			25	30			30		
	400							48			30	30			40		
100							17	13			13			10			
150	35-100	50-250	11-45	12-60	12-50	3, 4, 5, 6	T: 6 (When selecting Z=3, 4)	M=Z			22	16	16	4	2.2	15	
200									27	19	19			20			
250									32	21.5	21.5			25			

2 Timing Belt Clamp Plate

Belt Type	Nominal Width	Belt Width	Timing Belt Clamp Plates						Extra Low Head Cap Screw	
			BT	TT	h	P	G	M	For T6	For T8
XL	025	6.4	24	6	1.30	13	25	M4	CBSTS4-10	CBSTS4-12
	031	7.9	25			14				
	037	9.5	26			16				
	050	12.7	30			20				
	050	12.7	32			21				
L	075	19.1	38	8	2.05	27	50	M5	-	CBSTS5-12
	100	25.4	46			34				
	150	38.1	58			46				
	060	6	18			11				
	100	10	22	4	1.25	15	15	M3	CBSTS3-8	CBSTS3-10
S3M	150	15	28			20				
	100	10	26			17				
	150	15	32	6	2.00	22	25	M4	CBSTS4-12	CBSTS4-12
	250	25	42			32				
	150	15	34			23				
S5M	250	25	44			33				
	300	30	50			38	40	M5	-	CBSTS5-14
	400	40	60			48				
	100	10	26			17				
	150	15	32			22	25	M4	CBSTS4-10	CBSTS4-12
S8M	200	20	38			27				
	250	25	43			32				

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

Type	Belt Type	Nominal Width	Z (T)	Unit Price										
				-50		A		101-150						
				30-100	101-175	176-250	51-100	101-175	176-250	101-175	176-250			
TBLG	XL	025	3, 4 (T=6)											
		031												
		037												
		050												
		060												
		100												
	S3M	150	5, 6 (T=8)											
		100												
		150												
		200												
		250												
		025												
XL	031													
	037													
	050													
	050													
	075													
	100													
L	150													
	060													
	100													
	150													
	250													
	060													
S3M	100													
	150													
	250													
	150													
	250													
	300													
S5M	400													
	150													
	250													
	150													
	250													
	400													
S8M	300													
	400													
	100													
	150													
	200													
	250													

Alterations Part Number - A - L - S - B - C - Z - (MH, MT)
TBLGXL050 - 50 - 100 - 24 - 35 - 35 - 6 - MT2

Alteration	Changes the Tapped Hole Dia. on the Linear Guide Mounting Side	Changes the dia. of each of two tapped holes on the Plate Center																				
Code	MH	MT																				
Spec.	<p>Change the Tapped Hole Dia. from Z (Counterbore Nominal Dia.) = M to the other.</p> <p>When MH and MT are combined, MT is applied to 2 places on the plate center.</p> <p>MH is applied to 4 places on portions other than Plate Center. MH (Tapped, Coarse)</p> <p>B(C)-Zd1-MH=2</p> <table border="1"> <tr> <th>M (Z dim.)</th> <th>MH</th> </tr> <tr> <td>3</td> <td>2, 4, 5</td> </tr> <tr> <td>4</td> <td>3, 5, 6</td> </tr> <tr> <td>5</td> <td>3, 4, 6</td> </tr> <tr> <td>6</td> <td>4, 5</td> </tr> </table> <p>Ordering Code MH3</p>	M (Z dim.)	MH	3	2, 4, 5	4	3, 5, 6	5	3, 4, 6	6	4, 5	<p>Out of 6 tapped holes on Linear Guide Mounting Side, 2 tapped holes located on Plate Center are changed to the other hole dia.</p> <p>When MH and MT are combined, MT is applied to 2 places on the plate center.</p> <p>MH is applied to 4 places on portions other than Plate Center. MT (Tapped, Coarse)</p> <p>B(C)-Zd1-MT=2</p> <table border="1"> <tr> <th>M (Z dim.)</th> <th>MT</th> </tr> <tr> <td>3</td> <td>2, 4</td> </tr> <tr> <td>4</td> <td>2, 3</td> </tr> <tr> <td>5</td> <td>2, 3, 4</td> </tr> <tr> <td>6</td> <td>2, 3, 4</td> </tr> </table> <p>Ordering Code MT2</p>	M (Z dim.)	MT	3	2, 4	4	2, 3	5	2, 3, 4	6	2, 3, 4
M (Z dim.)	MH																					
3	2, 4, 5																					
4	3, 5, 6																					
5	3, 4, 6																					
6	4, 5																					
M (Z dim.)	MT																					
3	2, 4																					
4	2, 3																					
5	2, 3, 4																					
6	2, 3, 4																					

