

Keyless Timing Pulleys - T10

MechaLock Standard Type Incorporated (With Centering Function)

■ **Features:** MechaLock Standard Type (☑ **P.1491**) Incorporated Timing Pulleys. It tolerates an average of 1.2 times and 2.5 times greater torque compared to the conventional ST bushing and SH bushing respectively.

Type	Part Number						Material *1			Surface Treatment		
	Belt Width: 15mm	Belt Width: 20mm	Belt Width: 25mm	Belt Width: 30mm	Belt Width: 40mm	Belt Width: 50mm	Pulley	Flange	MechaLock	Pulley	Flange	MechaLock
	A:17 W:22	A:22 W:27 Y:18	A:27 W:32 Y:22(23.5)	A:32 W:37 Y:24(25.2)	A:43 W:48 Y:30(31.3)	A:53 W:58 Y:35(36.9)						
	T10150	T10200	T10250	T10300	T10400	T10500						
HTTA	●	●	●	●	●	●	A7075	A5052	S45C	Clear Anodize	-	-
HTTK	●	●	●	●	●	●	A7075	A5052	S45C	Hard Clear Anodize	-	-
HTTT	●	●	●	●	●	●	S65 Equivalent	SPCC	S45C	-	-	-

*1. The above material and accuracy might be changed to the ones equivalent to the originals. *2. Hard Anodize Treatment: Film Hardness 300HV ~

● **Pulley Shape**

E Shape

F Shape

Number of Teeth	16	18	20	22	24	25	26	28	30	32	34	36	40	44	48	50	60
P.D.	50.93	57.30	63.66	70.03	76.39	79.58	82.76	89.13	95.49	101.86	108.22	114.59	127.32	140.06	152.79	159.15	190.99
O.D.	49.05	55.45	61.80	68.15	74.55	77.70	80.90	87.25	93.65	100.00	106.40	112.75	125.45	138.20	150.95	157.30	189.10
F	58	61	67	80	87	87	87	95	104	111	115	123	135	152	160	170	200
E	40	45	50	60	67	67	67	75	84	90	95	102	115	130	140	150	175

① Surface treatment may not be applied to shaft bores.
 ② Machined Flange for 34, 50 and 60 Toothed Pulleys.
 ③ Flange is installed.
 ④ Y dimensions in () require the shaft bore diameter of 24 or more.
 ⑤ For installation, see ☑ **P.1489**. For details of MechaLock, see ☑ **P.1491**.

Type	Part Number		Pulley Shape	dh7 Range (.) : Select the former or latter, (-) : Specify in 1mm Increment												
	Number of Teeth	Type, Nominal Width		Shape E						Shape F						
				T10150	T10200	T10250	T10300	T10400	T10500	T10200	T10250	T10300	T10400	T10500		
HTTA HTTK HTTT	16	T10150 *A:17 *W:22	EF	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14	12, 14		
	18	T10150		12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16	12, 14-16		
	20	T10200 *A:22 *W:27 *Y:18		12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19	12, 14-19		
	22	T10200		14-20, 22	14-20, 22	14-20, 22	14-20, 22	14-20, 22	14-20, 22	14-20, 22	14-19	14-20, 22	14-20, 22	14-20, 22	14-20, 22	
	24	T10250 *A:27 *W:32 *Y:22		14-20, 22	14-20, 22	22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-19	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28	14-20, 22, 24, 25, 28
	25	T10250														
	26	(d24-Y=23.5) T10300 *A:32 *W:37 *Y:24		16-20, 22	16-20, 22	16-20, 22, 24, 25, 28, 30, 32	16-20, 22, 24, 25, 28, 30, 32				16-19	16-20, 22, 24, 25, 28, 30	16-20, 22, 24, 25, 28, 30, 32	16-20, 22, 24, 25, 28, 30, 32		
	28	T10300														
	30	(d35-Y=27) T10400 *A:43 *W:48 *Y:30			20, 22	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35		
	32	T10400														
	34	(d24-32 Y=31) T10500 *A:53 *W:58 *Y:35		20, 22	20, 22	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35, 40				-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35		
	36	T10500														
	40	(d35-Y=34) T10500														
	44	T10500														
48	(d24-32 Y=36) T10500		20, 22	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50				-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35				
50	T10500															
60	T10500															

Ordering Example: Part Number - Pulley Shape - Shaft Bore Dia.
 HTTA36T10250 - F - 25

Number of Teeth	Body Price 1 - 10 pc(s).											
	HTTA (x1.0)			HTTK (x1.1)			HTTT					
	T10150	T10200	T10250	T10300	T10400	T10500	T10150	T10200	T10250	T10300	T10400	T10500
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dh7	MechaLock Incorporation Charge (+Body Price)
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Alterations	Part Number		Pulley Shape	Shaft Bore Dia.	- (BMC-etc.)
	Alterations	Surface Treatment			
Code	HTTA36T10200		E	30	BMC
Spec.	Applies electroless nickel plating on a MechaLock. (Anodizing treatment is applied to screws.) ① Electroless nickel plated bushing decreases allowable torque by 20 ~ 30%. BMC: Not RoHS Compliant. (Screw: SCM435 Dacrotized Treatment) BMR: RoHS Compliant. (Screw: SCM435 GeoMet Coating)	Lowers flange by cutting. FC: 0.5mm Increment ① No surface treatment is applied on flange circumference.	FC=(O.D.)+1 FC±F-2 (Ordering Code) FC35		

Alterations	Part Number		Pulley Shape	Shaft Bore Dia.	- (BMC-etc.)
	Alterations	Flange Not Swaged			
Code	HTTA36T10200		E	30	BMC
Spec.	Flange is not installed. (Flange Included)	Flange is installed on either the bushing side (LFC) or the opposite side (RFC) prior to shipping. (Flange 1 pc. Included)			

① For orders larger than indicated quantity, please request a quotation.