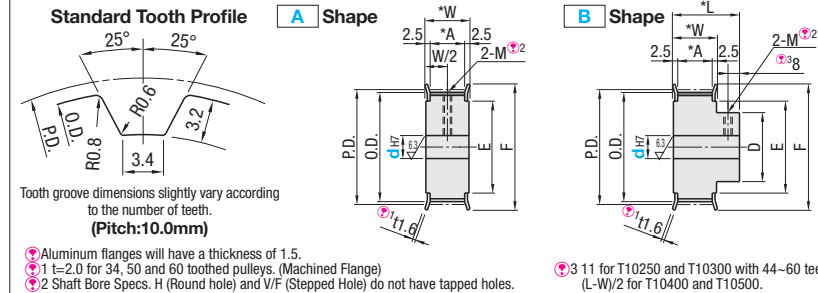


Timing Pulleys - T10

For Timing Belts, see **P.1470** and for Long Timing Belts, see **P.1473**. For Keyless Timing Pulleys, see **P.1441**. For Idlers with Teeth, see **P.1455**.

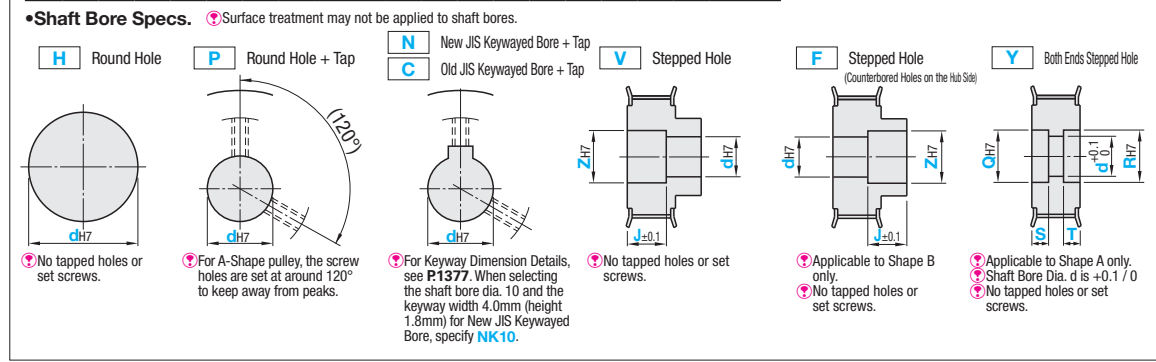
Type	Belt Width						Material *1		Surface Treatment	Accessory *1 Set Screws
	15mm T10150	20mm T10200	25mm T10250	30mm T10300	40mm T10400	50mm T10500	Pulley	Flange		
TTPA	●	●	●	●	●	●	A2000 Aluminum Alloy	Aluminum Alloy	Clear Anodize Black Anodize Hard Clear Anodize *2 Electroless Nickel Plating	EN 1.4301 Equiv.
TTPB	●	●	●	●	●	●				
TTPK	●	●	●	●	●	●				
TTPN	●	●	●	●	●	●				
TTPM	●	●	●	●	●	●	EN 1.1191 Equiv.	EN 1.0330 Equiv.	Black Oxide Electroless Nickel Plating	EN 1.7220 Equiv. (Black Oxide)
TTPP	●	●	●	●	●	●				

*1 Flange is installed, and set screws are included with Shaft Bore P, N and C. *2 The above material and accessory might be changed to the ones equivalent to the originals. *2 Hard Clear Anodize: Film Hardness 300HV ~



dH7 Shaft Bore I.D. (Coarse)	M	Accessory: Set Screw
8~12	M4	M4x3
13~17	M5	M5x4
18~30	M6	M6x5
31~45	M8	M8x6
46~65	M10	M10x8

mm	Number of Teeth																			
	12	14	15	16	18	20	22	24	25	26	28	30	32	34	36	40	44	48	50	60
P.D.	38.20	44.56	47.75	50.93	57.30	63.66	70.03	76.39	79.58	82.76	89.13	95.49	101.86	108.23	114.59	127.32	140.06	152.79	159.15	190.99
O.D.	36.35	42.70	45.90	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
D	-	32	33	37	40	47	50	60	63	63	70	75	85	90	95	100	100	100	100	100
F	40	48	52	58	61	67	80	87	87	87	95	104	111	115	123	135	152	160	170	200
E	27	35	36	40	45	50	60	67	67	67	75	84	90	95	102	115	130	140	150	175



Part Number	Type	Number of Teeth	Pulley Shape		Shaft Bore Specifications																
			Shape A	Shape B	Shaft Bore Specifications (-): Specify in 1mm Increment, (L): Select the former or latter					Shaft Bore Specifications (-): Specify in 1mm Increment, (L): Select the former or latter											
12	Aluminum	12	A	H	8-19	8-18	8, 10, NK10, 11-18	8-17	10-23	-	-	-	-	-	-	-	-	-	-	-	-
					P	10-27	10-26	10, NK10, 11-26	10-25	12-27	10-27	10-22	10, NK10, 11-20	10-25	12-27	10-27	10-22	10, NK10, 11-20	10-25	12-27	10-27

Ordering Example: Part Number - Pulley Shape - Shaft Bore Specs., I.D. - Z - J - Q - R - S - T

(Shaft Bore Specs.: H, P, N, C) TTPA14T10500 - A - NK10
 (Shaft Bore Specs.: V, F) TTPA48T10500 - B - V20 - Z38 - J23.5
 (Shaft Bore Specs.: Y) TTPA24T10250 - A - Y25 - Q37 - R37 - S7 - T7

Number of Teeth	Body Price												Shaft Bore Machining Charge (Body Price +)									
	TTPA (x1.0)	TTPB, TTPK (x1.1)	TTPN (x1.2)	TTPM (x1.05)	TTPP (x1.15)	TTPA (x1.0)	TTPB, TTPK (x1.1)	TTPN (x1.2)	TTPM (x1.05)	TTPP (x1.15)	TTPA (x1.0)	TTPB, TTPK (x1.1)		TTPN (x1.2)	TTPM (x1.05)	TTPP (x1.15)						
12																						
14																						
15																						
16																						
18																						
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40																						
44																						
48																						
50																						
60																						

Alterations: Part Number - Pulley Shape - Shaft Bore Specs., I.D. - Z - J - Q - R - S - T - (KC90...etc.)

TTPA36T10250 - A - H40 - KC80 - K10

Alterations	Set Screw Angle	Flange Not Swaged	Flange Swaged on One Side	Flange Cut
Code	KC90	NFC	RFC, LFC	FC
Spec.	Changes an angle of set screw to 90°. For A-Shape pulley, the screw holes are set at around 90° to keep away from peaks.	(Flange 2 pcs. Included) Ordering Code: NFC	(Flange 1 pc. Included) Ordering Code: RFC, LFC	Cut the flange O.D. in 0.5mm increment. Ordering Code: FC17 Application Notes: FC<(O.D.)+1 FC<F-2 No surface treatment is applied on flange circumference.

Alterations	Adds taper for retaining bearing	Hub Shortening	Tapped Hole Dimensions	Changes the length of the included set screws.
Code	BTC	BC	TPC	SLH
Spec.	Add taper for retaining bearing inner ring Ordering Code: BTC12-TL3 Application Notes: Applicable to Shape A only. Applicable to Shaft Bore Specs. H and P only. TL<L-W	Cuts the hub length in 0.5mm increment. Ordering Code: BC6.5 Application Notes: Shaft Bore Specs. H, V, F: 3<BC<L-W Shaft Bore Specs. P, N, C: M+3<BC<L-W Not available for Shape A.	Applicable to Shaft Bore Specs. P, N, C only. Ordering Code: TPC5 Application Notes: M TPC M4 M5 M5 M4, M6 M6 M5, M8 M8 M6, M10 M10 M8	Applicable to Shaft Bore Specs. P, N, C only. Ordering Code: SLH10 Application Notes: Set Screws SLH M4x3 5, 8 M5x4 6, 10 M6x5 10 M8x6 10, 12 M10x8 12, 15

Alterations	Side Through Hole / Side Tapped Hole, 3 places	Side Through Hole / Side Tapped Hole, 4 places	Side Through Hole / Side Tapped Hole, 6 places
Code	KTC, QTC	KFC, QFC	KSC, QSC
Spec.	Machine Through Hole / Tapped Hole on the side surface of hub side Ordering Code (Through Hole) KTC20-K5.0 Ordering Code (Tapped Hole) QTC28-M4 Selection (Through Hole) K Selection K4.0-K13.0 (0.5mm Increment) Selection (Tapped Hole) M Selection M3, M4, M5, M6, M8 Application Notes: Not applicable to Shaft Bore Specs. F or Y. When KTC/QTC is selected for Shaft Bore Specs. P, N and C, KC90 is not available.	Machine Through Hole / Tapped Hole on the side surface of hub side Ordering Code (Through Hole) KFC20-K5.0 Ordering Code (Tapped Hole) QFC28-M4 Selection (Through Hole) K Selection K4.0-K13.0 (0.5mm Increment) Selection (Tapped Hole) M Selection M3, M4, M5, M6, M8 Application Notes: Not applicable to Shaft Bore Specs. F or Y. Specify KC90 when selecting KFC/QFC for Shaft Bore Specs. P, N and C. Side holes and tooth side tapped holes might interfere with each other. For details, see the relevant CAD data.	Machine Through Hole / Tapped Hole on the side surface of hub side Ordering Code (Through Hole) KSC20-K5.0 Ordering Code (Tapped Hole) QSC28-M4 Selection (Through Hole) K Selection K4.0-K13.0 (0.5mm Increment) Selection (Tapped Hole) M Selection M3, M4, M5, M6, M8 Application Notes: Not applicable to Shaft Bore Specs. F or Y. KSC/QSC is not applicable to the Shaft Bore Specs. P, N and C. Through Hole KSC Tapped Hole QSC