

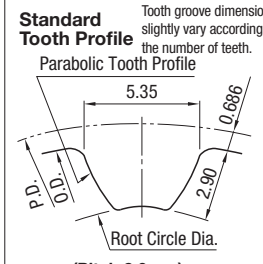
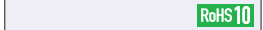
High Torque Timing Pulleys - P8M

Compatible with P8M Type
from Tsubakimoto Chain Co.

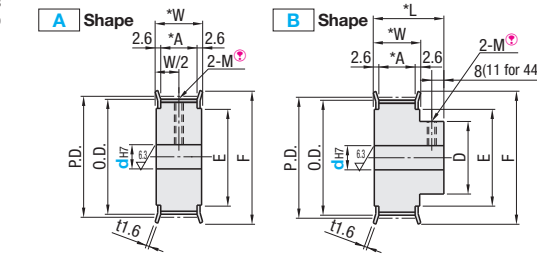
For High Torque Timing Belts, see **P.1467** and for Keyless High Torque Timing Pulleys, see **P.1438**. For Idlers with Teeth, see **P.1453**.

Type	Belt Width		Material *1		Surface Treatment	Accessory *1 Set Screws
	15mm P8M150	25mm P8M250	Pulley	Flange		
PTPA	●	●	Extra Super Duralumin Aluminum Alloy	Aluminum Alloy	Clear Anodize Hard Clear Anodize *2	EN 1.4301 Equiv.
PTPN	●	●				
PTPM	●	●	EN 1.1191 Equiv.	EN 1.0330 Equiv.	Black Oxide Electroless Nickel Plating	EN 1.7220 Equiv. (Black Oxide)
PTPP	●	●				

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



Pulley Shape



Tapped Hole Dimensions (Shaft Bore Specs.: P, N, C)

dh7 Shaft Bore I.D.	M (Coarse)	Accessory: Set Screw
12	M4	M4x3
13-17	M5	M5x4
18-30	M6	M6x5
31-45	M8	M8x6
46-62	M10	M10x8

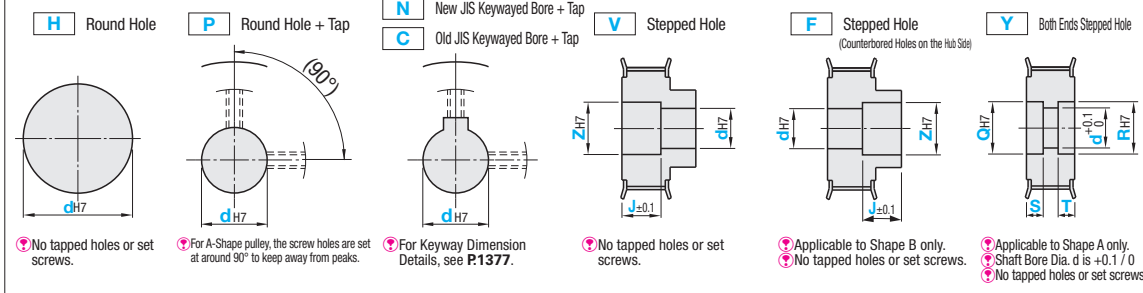
Number of Teeth / Dimension

mm	Number of Teeth														
	20	22	24	26	28	30	32	34	36	40	44	48	50	60	
P.D.	50.93	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	101.86	112.05	122.23	127.32	152.79	
O.D.	49.56	54.65	59.74	64.84	69.93	75.02	80.12	85.21	90.30	100.49	110.67	120.86	125.95	151.42	
D	36	41	46	51	55	60	65	70	75	85	90	100	100	100	
F	Aluminum	55	61	67	74	80	83	87	95	99	111	119	127	135	160
	Steel	55	61	67	74	80	83	87	95	99	111	119	127	135	160
E	Aluminum	40	45	50	58	60	63	67	75	80	90	100	105	115	140
	Steel	40	45	50	58	60	63	67	75	80	90	100	105	115	140

Belt Nominal Width / Dimension

mm	Nominal	
	P8M150	P8M250
A	16.8	27.8
W	22.0	33.0
L Number of Teeth 20-40	39.0	50.0
L Number of Teeth 44-60	44.0	55.0

Shaft Bore Specs. Surface treatment may not be applied to shaft bores.



Part Number	Type	Number of Teeth	Type Nominal Width	Pulley Shape	Shaft Bore Specifications (-): Specify in 1mm Increment, (,): Select the former or latter											
					H Round Hole	P Round Hole + Tap	N Keyway + Tap	C Old JIS Keyway + Tap	V, F Stepped Hole			Y Both Ends Stepped * Shape A only			S, T	
Aluminum PTPA PTPK PTPN	P8M150	20	A	12-22	12-22	12-22	12,15,16,18-20	12-14	12-18	12-22	18-26	12-18				
		22		12-25	12-25	12-25	12,15,16,18-20	12-17	12-21	12-25	18-30	12-25	18-30			
		24		12-28	12-28	12-28	12,15,16,18-20	12-18	12-23	12-30	18-35	12-30	18-35			
		26		16-30	16-30	16-30	16,18-20	16-20	16-25	16-30	21-40	16-30	21-40			
		28		16-34	16-34	16-34	16,18-20	16-24	16-29	16-30	21-42	16-30	21-42			
		30		16-35	16-35	16-35	16,18-20	16-25	16-30	16-35	21-50	16-35	21-50			
	P8M250	32	16-38	16-38	16-38	16,18-20	16-28	16-32	16-35	21-50	16-35	21-50				
		34	16-42	16-42	16-42	16,18-20	16-30	16-35	16-35	26-55	16-35	26-55				
		36	16-45	16-45	16-45	16,18-20	16-30	16-38	16-38	26-60	16-38	26-60				
		40	20-50	20-50	20-50	20	20-30	20-40	20-42	27-65	20-42	27-65				
		44	20-55	20-55	20-55	20	20-30	20-43	20-50	27-72	20-50	27-72				
		48	20-62	20-62	20-62	20	20-35	20-50	20-50	27-80	20-50	27-80				
Steel PTPM PTPP	50	20-62	20-62	20-62	20	20-35	20-50	20-50	27-80	20-50	27-80					
	60	20-62	20-62	20-62	20	20-35	20-50	20-50	27-80	20-50	27-80					

Ordering Example

(Shaft Bore Specs.: H, P, N, C) PTPA50P8M250 - A - H50

(Shaft Bore Specs.: V, F) PTPA48P8M250 - B - V25 - Z43 - J25

(Shaft Bore Specs.: Y) PTPA36P8M150 - A - Y20 - Q32 - R37 - S7 - T9

Number of Teeth	Body Price								Shaft Bore Machining Charge (Body Price +)					
	PTPA (x1.0)		PTPK (x1.1)		PTPN (x1.2)		PTPM, PTTP (+JPY500)		PTPA, PTPK, PTPN			PTPM, PTTP		
	P8M150	P8M250	P8M150	P8M250	P8M150	P8M250	P8M150	P8M250	P Hole	N, C, V, F Hole	Y Hole	P Hole	N, C, V, F Hole	Y Hole
20														
22														
24														
26														
28														
30														
32														
34														
36														
40														
44														
48														
50														
60														

Alterations Part Number - Pulley Shape - Shaft Bore Specs., I.D. - Z - J - Q - R - S - T - (KC90--etc.) - QSC80 - M8

PTPA50P8M250 - A - H60 - QSC80 - M8

Alterations	Set Screw Angle	Flange Not Swaged	Flange Swaged on One Side	Flange Cut
Code	KC120	NFC	RFC, LFC	FC
Spec.	Changes angle layout of set screws to 120°. For A-Shape pulley, the screw holes are set at around 120° 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. 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. 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. 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.	(Ordering Code) TPC5. Applicable to Shaft Bore Specs. P, N, C only.	(Ordering Code) SLH10. Applicable to Shaft Bore Specs. P, N, C only.

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. Not applicable to Shaft Bore Specs. F or Y. Specify KC120 when selecting KTC/QTC for Shaft Bore Specs. P, N and C.	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. Not applicable to Shaft Bore Specs. F or Y. When KFC/QFC is selected for Shaft Bore Specs. P, N and C, KC120 is not available. 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. Not applicable to Shaft Bore Specs. F or Y. KSC/QSC is not applicable to the Shaft Bore Specs. P, N and C.