

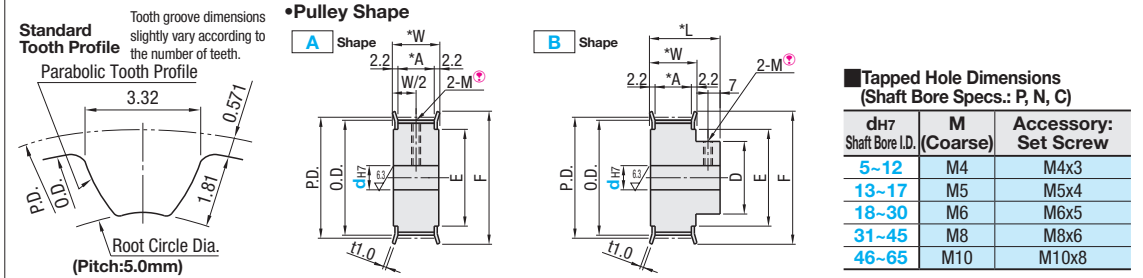
High Torque Timing Pulleys - P5M

Compatible with P5M Type from Tsubakimoto Chain Co.

For High Torque Timing Belts, see P.1467 and for Keyless High Torque Timing Pulleys, see P.1437. For Idlers with Teeth, see P.1453.

Type	Belt Width		Material *1		Surface Treatment	Accessory *1 Set Screws
	10mm P5M100	15mm P5M150	Pulley	Flange		
PTPA	●	●	2000 Series Aluminum Alloy	Aluminum Alloy	Clear Anodize Black Anodize Hard Clear Anodize *2 Electroless Nickel Plating	EN 1.4301 Equiv.
PTPB	●	●				
PTPK	●	●				
PTPN	●	●				
PTPP	●	●				
			EN 1.1191 Equiv.	EN 1.0330 Equiv.	Black Oxide Electroless Nickel Plating	EN 1.7220 Equiv. (Black Oxide)

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



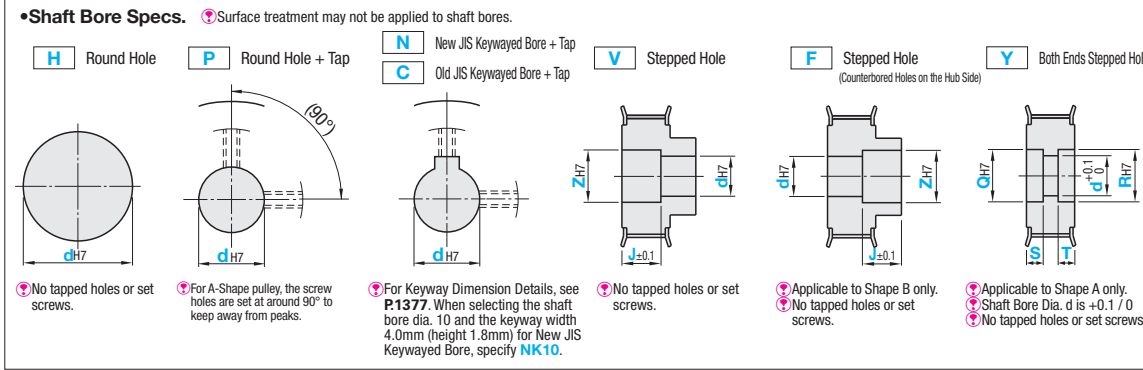
Shaft Bore Specs. H (Round hole), V or F (Stepped Hole) and Y (Both Sides Stepped Hole) do not have tapped holes.

Number of Teeth / Dimension

mm	Number of Teeth																				
	12	14	15	16	18	20	22	24	25	26	28	30	32	34	36	40	44	48	50	60	72
P.D.	19.10	22.28	23.87	25.46	28.65	31.83	35.01	38.20	39.79	41.38	44.56	47.75	50.93	54.11	57.30	63.66	70.03	76.39	79.58	95.49	114.59
O.D.	17.96	21.14	22.73	24.32	27.51	30.69	33.87	37.06	38.65	40.24	43.42	46.60	49.79	52.97	56.15	62.52	68.89	75.25	78.44	94.35	113.45
D	11	13	15	17	19	19	25	25	30	30	32	35	38	42	44	48	56	58	64	80	90
Aluminum	22	25	28	30	32	35	40	44	44	48	50	55	55	61	67	74	83	87	104	119	-
Steel	22	25	-	30	32	35	40	44	48	50	55	55	-	67	67	74	83	87	104	-	-
Aluminum	14	16	18	20	23	25	28	32	32	36	38	40	40	46	50	58	63	67	84	100	-
Steel	14	16	-	20	23	25	28	32	32	36	38	40	40	-	50	58	63	67	84	-	-

Belt Nominal Width / Dimension

mm	Nominal	
	P5M100	P5M150
A	11.6	16.6
W	16.0	21.0
L	28.0	33.0



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			
12	Aluminum	PTPA PTPB PTPK PTPN	P5M100	A	5, 6	5, 6	-	-	-	-	-	-	-	
14					5, 6	5, 6	-	-	-	-	-	-	-	
15					5, 6, 6.35, 7-10	5, 6, 6.35, 7, 8	8	-	-	-	-	-	-	
16					5, 6, 6.35, 7-10	5, 6, 6.35, 7-10	8	-	-	-	-	-	-	
18					6, 6.35, 7-12	6, 6.35, 7-12	8, 10, NK10, 11	10	6-7	9, 10	7-10	12, 13	-	-
20					6, 6.35, 7-12	6, 6.35, 7-12	8, 10, NK10, 11	10	6-7	9, 10	7-12	12-15	-	-
22					8-17	8-17	8, 10, NK10, 11-15	10, 12, 15	8, 9, 10	11-14	7-14	12-18	-	-
24					8-17	8-17	8, 10, NK10, 11-15	10, 12, 15	8, 9, 10	11-14	7-16	12-20	-	-
25					10-20	10-20	10, NK10, 11-18	10, 12, 15, 16, 18, 19	10-13	13-16	7-16	12-20	-	-
26					10-20	10-20	10, NK10, 11-18	10, 12, 15, 16, 18, 19	10-13	13-16	8-20	12-25	-	-
28					10-22	10-22	10, NK10, 11-20	10, 12, 15, 16, 18-20	10-14	13-18	8-20	12-25	-	-
30					12-24	12-24	12-22	12, 15, 16, 18-20	12-16	15-20	10-20	15-25	-	-
32					12-26	12-26	12-25	12, 15, 16, 18-20	12-17	15-21	10-24	15-29	-	-
34					12-30	12-30	12-25	12, 15, 16, 18-20	12-20	15-25	10-28	15-32	-	-
36	12-30	12-30	12-30	12, 15, 16, 18-20	12-20	15-25	10-28	15-32	-	-				
40	12-32	12-32	12-32	12, 15, 16, 18-20	12-22	15-26	10-30	15-35	-	-				
44	15-38	15-38	15-38	15, 16, 18-20	15-28	19-32	12-30	19-45	-	-				
48	15-38	15-38	15-38	15, 16, 18-20	15-28	19-32	12-30	19-46	-	-				
50	15-42	15-40	15-40	15, 16, 18-20	15-30	19-35	12-35	19-50	-	-				
60	15-52	15-40	15-40	15, 16, 18-20	15-30	19-43	12-38	19-60	-	-				
72	15-80	15-65	15-50	15, 16, 18-20	15-80	19-86	12-75	19-92	-	-				

(for Shape A) 3sJsW-3
(for Shape B) 3sJsL-3
3-14 S+TsW-3

Ordering Example (Shaft Bore Specs.: H, P, N, C) PTPA20P5M150 - A - NK10
(Shaft Bore Specs.: V, F) PTPA60P5M100 - B - V20 - Z29 - J22
(Shaft Bore Specs.: Y) PTPA36P5M150 - A - Y17 - Q30 - R30 - S7 - T7

Number of Teeth	Body Price								Shaft Bore Machining Charge (Body Price +)					
	PTPA (x1.0)		PTPB, PTPK (x1.1)		PTPN (x1.2)		PTPM, PTPP (+JPY500)		PTPA, PTPB, PTPK, PTPN			PTPM, PTPP		
	P5M100	P5M150	P5M100	P5M150	P5M100	P5M150	P5M100	P5M150	P Hole	N, C, V, F Hole	Y Hole	P Hole	N, C, V, F Hole	Y Hole
12														
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60														
72														

Alteraions Part Number - Pulley Shape - Shaft Bore Specs, I.D. - Z - J - Q - R - S - T - (KC120...etc.)
PTPA60P5M150 - B - H40 - BC.5

Alterations	Set Screw Angle	No Flange	Single Flange	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	Cut the flange O.D. in 0.5mm increment. (Ordering Code) FC45

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) BTC5-TL1.5	Cuts the hub length in 0.5mm increment. (Ordering Code) BC6.5	(Ordering Code) TPC5	(Ordering Code) SLH10

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	Machine Through Hole / Tapped Hole on the side surface of hub side (Ordering Code Through Hole) KFC20-K5.0	Machine Through Hole / Tapped Hole on the side surface of hub side (Ordering Code Through Hole) KSC20-K5.0