

High Torque Timing Pulleys - P8M

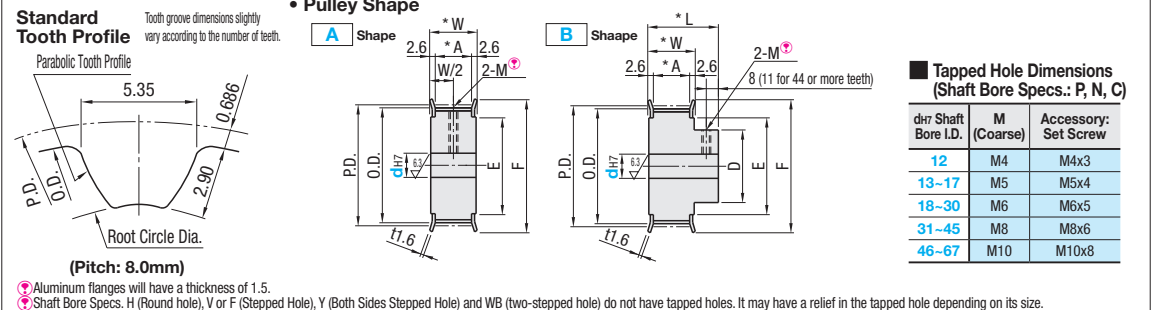
Compatible with P8M Type
from Tsubakimoto Chain Co.

For e-Catalog non-standard products, see P.131.

For High Torque Timing Belts, see P.1501. For Keyless High Torque Timing Pulleys, see P.1472. For Idlers with Teeth, see P.1487.

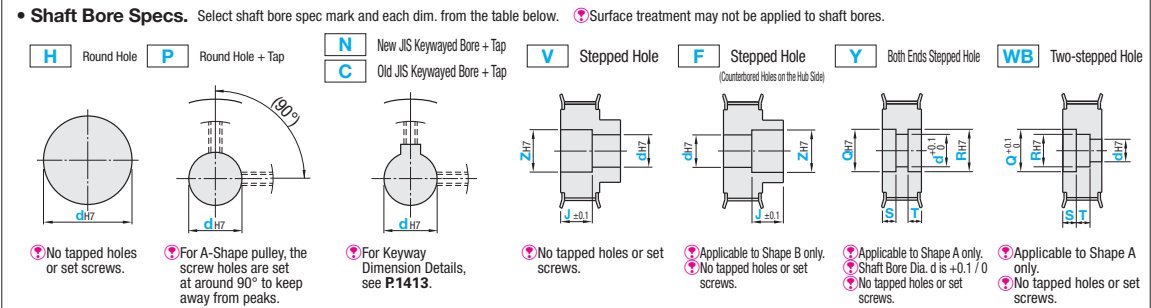
Type	Belt Width		Material ^{*1}		Surface Treatment	Accessory ^{*1} Set Screws
	15mm P8M150	25mm P8M250	Pulley	Flange		
PTPA	●	●	Extra Super Duralumin Aluminum Alloy	Aluminum Alloy	Clear Anodize	SUS304
PTPK	●	●			Hard Clear Anodize ^{*2}	
PTPN	●	●			Electroless Nickel Plating	
PTPM	●	●	S45C Equivalent	SPCC	Black Oxide	SCM435 (Black Oxide)
PTPP	●	●			Electroless Nickel Plating	

Flange is already swaged, and set screws are included with for Shaft Bore 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 ~



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



Part Number			Pulley Shape	Pulley Shape													
Type	Number of Teeth	Type Nominal Width		A						B							
				Shaft Bore Specs. "A": 1mm Increments "B": Selectable						Shaft Bore Specs. "A": 1mm Increments "B": Selectable							
				H(d) Round Hole	P(d) Round Hole + Tap	N(d), C(d) Keyway + Tap	V Stepped Hole		Y(d) Both Ends Stepped Hole		WB Two-stepped Hole		H(d) Round Hole	P(d) Round Hole + Tap	N(d), C(d) Keyway + Tap	V, F Stepped Hole	
		V(d)	Z-ds2	(0.1mm Increment)		J	Both Ends Stepped Hole Y(d) W(d)	Q, R Q(R)-ds2	S, T (0.1mm Increment)			V(d), F(d)	Z-ds2	(0.1mm Increment)			
Aluminum PTPA PTPK PTPN	20	P8M150	A	12-27	12-27	12-22	12-19	14-23		12-22	18-26		12-32	12-24	12-22	12-19	14-23
	22			12-30	12-30	12-25	12-22	14-26		12-25	18-30		12-37	12-29	12-25	12-22	14-26
	24			12-33	12-33	12-28	12-23	14-28		12-30	18-35		12-42	12-30	12-28	12-23	14-28
	26			16-35	16-35	16-30	16-25	18-30		16-30	21-40		16-47	16-31	16-30	16-25	18-30
	28			16-39	16-39	16-34	16-29	18-34		16-30	21-42		16-51	16-35	16-34	16-29	18-34
	30			16-40	16-40	16-35	16-30	18-35		16-35	21-50		16-56	16-40	16-35	16-30	18-35
	32			16-43	16-43	16-38	16-33	18-37		16-35	21-50		16-61	16-43	16-38	16-33	18-37
	34			16-47	16-47	16-42	16-35	18-40		16-35	26-55		16-66	16-47	16-42	16-35	18-40
	36			16-50	16-50	16-45	16-35	18-43		16-38	26-60		16-71	16-50	16-45	16-35	18-43
	40			20-55	20-55	20-50	20-35	22-45		20-42	27-65		20-80	20-55	20-50	20-35	22-45
Steel PTPM PTPP	44	P8M250	B	20-60	20-60	20-50	20-35	22-48		20-50	27-72		20-80	20-60	20-50	20-35	22-48
	48			20-67	20-67	20-50	20-40	22-55		20-50	27-80		20-85	20-67	20-50	20-40	22-55
	50			20-67	20-67	20-50	20-40	22-55		20-50	27-80		20-85	20-67	20-50	20-40	22-55
	60			20-67	20-67	20-50	20-40	22-55		20-50	27-80		20-85	20-67	20-50	20-40	22-55

Shaft Bore Dia. 13, 14, 17 or 21~50 are not available for Shaft Bore Specs. C.

Ordering Example	Part Number	Pulley Shape	Shaft Bore Specs., I.D.	Z	J	Q	R	S	T
(Shaft Bore Specs.: H, P, N, C)	PTPA50P8M250	A	H50						
(Shaft Bore Specs.: V, F)	PTPA48P8M250	B	V25	Z43	J25				
(Shaft Bore Specs.: Y, WB)	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, PTPP (+ Additional Price)	PTPA, PTPK, PTPN	PTPM, PTPP	PTPA, PTPK, PTPN	PTPM, PTPP	PTPA, PTPK, PTPN	PTPM, PTPP	PTPA, PTPK, PTPN	PTPM, PTPP
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.)
	PTPA50P8M250	A	H60							QSC80 - M8

Alterations	Set Screw Angle	No Flange Swaged	Single Flange	Flange Cut
Code	KC120	NFC	RFC, LFC	FC
Spec.	Changes angle layout of set screws to 120°. (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: FC17	

Alterations	Retaining Ring Groove	Adds taper for retaining bearing	Hub Shortening	Tapped Hole Dimensions
Code	SRG	BTC	BC	TPC
Spec.	Retaining Ring Groove applicable to the shaft dia. of stepped hole is machined. Retaining Ring Groove Dim. SRG 2.5~25.5mm 0.5mm Increments SRG +0.1 / -0.1	Add taper for retaining bearing inner ring. Ordering Code: BTC12-TL3	Cuts the hub length in 0.5mm increment. Ordering Code: BC6.5	Applicable to Shaft Bore Specs. P, N, C only. Ordering Code: TPC5

Alterations	Add Side Holes	Side Tapped Hole	Side Through Hole	Side Counterbored
Code	QTC, QFC, QSC	KTC, KFC, KSC	ZTC, ZFC, ZSC	
Spec.	Machines tapped hole on the side surface of hub side. Ordering Code: QTC28-M4	Machines tapped hole on the side surface. Ordering Code: KTC28-K4.5	Machines counterbored hole on the side surface. Ordering Code: ZTC28-Z4	