


Keyless High Torque Timing Pulleys - P5M

Compatible with P5M Type from Tsubakimoto Chain Co.

Keyless High Torque Timing Pulleys - P8M

Compatible with P8M Type from Tsubakimoto Chain Co.

For High Torque Timing Belts, see P.1467. For Open End Belts, see P.1476.



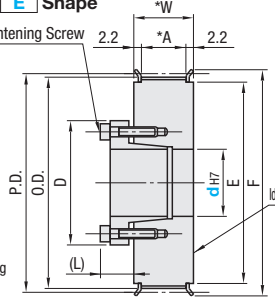
RoHS 10

Type	Part Number		Material			Surface Treatment		
	Belt Width: 10mm A:11.6 W:16	Belt Width: 15mm A:16.6 W:21	Pulley	Flange	Bushing	Pulley	Flange	Bushing
PTLA	●	●	A7075	A5052	S45C	Clear Anodize	-	-
PTLN	●	●	-	-	-	Electroless Nickel Plating	-	-
PTLM	●	●	S45C Equivalent	SPCC	S45C	Black Oxide	-	-
PTLG	●	●	-	-	-	Electroless Nickel Plating	-	-

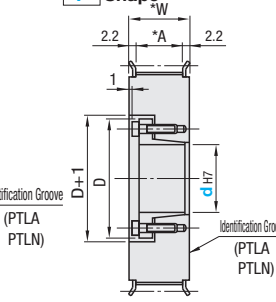
*1. The above material and accessory might be changed to the ones equivalent to the originals.

• Pulley Shape

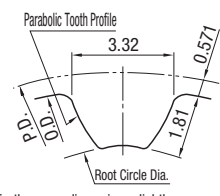
E Shape



F Shape



Standard Tooth Profile



Tooth groove dimensions slightly vary according to the number of teeth. (Pitch:5.0mm)


Number of Teeth	22	24	25	26	28	30	32	34	36	40	44	48	50	60	72
P.D.	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.	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
F	40	44	44	48	48	50	55	61	67	67	74	83	87	104	119
E	28	32	32	36	38	40	40	46	50	50	58	63	67	84	100

Surface treatment may not be applied to shaft bores.

Two types of bushings are available: Standard Type (ST Bushings) and Short Type (SH Bushings). See P.1425.

For quantity and size of tightening screws with flange installed, see P.1425.

For High Torque Timing Belts, see P.1467.



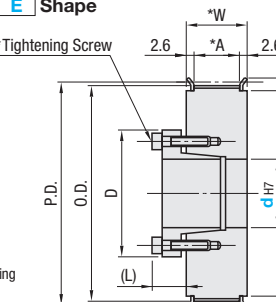
RoHS 10

Type	Part Number		Material			Surface Treatment		
	Belt Width: 15mm A:16.8 W:22	Belt Width: 25mm A:27.8 W:33	Pulley	Flange	Bushing	Pulley	Flange	Bushing
PTLA	●	●	A7075	A5052	S45C	Clear Anodize	-	-
PTLK	●	●	-	-	-	Hard Clear Anodize	-	-
PTLN	●	●	-	-	-	Electroless Nickel Plating	-	-
PTLM	-	-	S45C Equivalent	SPCC	S45C	Black Oxide	-	-
PTLG	-	●	-	-	-	Electroless Nickel Plating	-	-

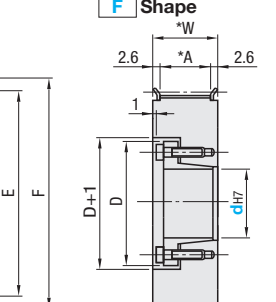
*1. The above material and accessory might be changed to the ones equivalent to the originals. *2. Hard Anodize Treatment: Film Hardness 300HV.

• Pulley Shape

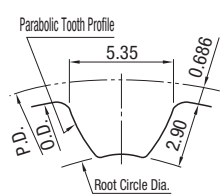
E Shape



F Shape



Standard Tooth Profile



Tooth groove dimensions slightly vary according to the number of teeth. (Pitch:8.0mm)

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
F	55	61	67	74	80	83	87	95	99	111	119	127	135	160
E	40	45	50	58	60	63	67	75	80	90	100	105	115	140

Surface treatment may not be applied to shaft bores.

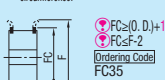

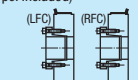
Two types of bushings are available: Standard Type (ST Bushings) and Short Type (SH Bushings). See P.1425.

For quantity and size of tightening screws with flange installed, see P.1425.

Part Number		dh7 Range (,): Select the former or latter, (-): Specify in 1mm Increment		Unit Price			
Type	Number of Teeth	Type, Nominal Width	Pulley Shape	Shape E		Shape F	
				P5M100	P5M150	P5M100	P5M150
PTLA PTLN	22	P5M100 *A:11.6 *W:16	E	8	8	8	8
	24			8, 10, 11	8, 10, 11	8	8
	25			8, 10-12, 14	8, 10-12, 14	8	8, 10-12
	26			8, 10-12, 14-16	8, 10-12, 14-16	8	8, 10-12
	30			10-12, 14-17	10-12, 14-17	-	10-12
	32			10-12, 14-20, 22	10-12, 14-20, 22	-	10-12
	34	P5M150 *A:16.6 *W:21	F	12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	-	12
	36			12, 14-20, 22, 24, 25, 28	12, 14-20, 22, 24, 25, 28	-	12
	40			12, 14-20, 22, 24, 25, 28, 30, 32, 35	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-	12
	44			12, 14-20, 22, 24, 25, 28, 30, 32, 35	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-	12
	48			12, 14-20, 22, 24, 25, 28, 30, 32, 35	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-	12
	50			12, 14-20, 22, 24, 25, 28, 30, 32, 35	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-	12
PTLM PTLG	22	P5M100 *A:11.6 *W:16	E	8	-	-	-
	24			10, 12	-	-	-
	26			12	12, 14, 15	-	-
	28			-	12, 14, 15	-	-
	30			-	12, 14, 15	-	-
	32			-	15, 24	-	-
	34	P5M150 *A:16.6 *W:21	F	-	-	-	-
	36			-	-	-	-
	40			-	-	-	-
	44			-	-	-	-
	50			-	-	-	-
	60			-	-	-	-

Ordering Example: Part Number - Pulley Shape - Shaft Bore Dia.
PTLA40P5M150 - F - 12

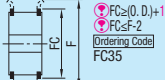

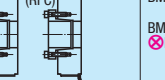
Alterations: Part Number - Pulley Shape - Shaft Bore Dia. - (FC, NFC, LFC, RFC, BMC, BMR, OP)
PTLA30P5M150 - E - 14 - BMC

Alterations	Flange Cut	No Flange	Single Flange	Surface Treatment	Pulley for Replacement (Pulley only)
Code	FC	NFC	LFC, RFC	BMC, BMR	OP
Spec.	Low flange by cutting. FC: 0.5mm increment No surface treatment is applied on flange circumference. 	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) 	Applies electroless nickel plating on a bushing. (Antirust treatment is applied to screws.) 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) Not applicable to PTLM and PTLG.	Pulleys will be shipped bushings uninstalled.

Part Number		dh7 Range (-): Specify in 1mm Increment, (,): Select the former or latter		Unit Price			
Type	Number of Teeth	Type, Nominal Width	Pulley Shape	Shape E (ST Bushing)		Shape F (SH Bushing)	
				P8M150	P8M250	P8M150	P8M250
PTLA PTLK PTLN	20	P8M150 *A:16.8 *W:22	E	12, 14-17	12, 14-17	12	12
	22			12, 14-17	12, 14-17	12	12, 14-17
	24			12, 14-20, 22	12, 14-20, 22	12	12, 14-18
	26			16-20, 22, 24, 25	16-20, 22, 24, 25	-	16-20, 22, 24
	28			16-20, 22, 24, 25	16-20, 22, 24, 25	-	16-20, 22, 24, 25
	30			20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	-	16-20, 22, 24, 25, 28, 30, 32, 35
	32	P8M250 *A:27.8 *W:33	F	20, 22, 24, 25, 28, 30, 32, 35	20, 22, 24, 25, 28, 30, 32, 35	-	16-20, 22, 24, 25, 28, 30, 32, 35
	34			16-20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	16-20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	-	20, 22, 24, 25, 28, 30, 32, 35
	40			20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	-	20, 22, 24, 25, 28, 30, 32, 35
	44			20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	-	20, 22, 24, 25, 28, 30, 32, 35
	48			20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	-	20, 22, 24, 25, 28, 30, 32, 35
	50			20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	-	20, 22, 24, 25, 28, 30, 32, 35
PTLM PTLG	26	P8M250 *A:27.8 *W:33	E	20, 24	20, 24, 25	-	-
	34			20, 24, 25	20, 24, 25	-	-
	40			20, 24, 25	20, 24, 25	-	-
	48			20, 24, 25	20, 24, 25	-	-

Ordering Example: Part Number - Pulley Shape - Shaft Bore Dia.
PTLA24P8M250 - F - 16

Alterations: Part Number - Pulley Shape - Shaft Bore Dia. - (FC, NFC, LFC, RFC, BMC, BMR, OP)
PTLA30P8M250 - F - 20 - BMC

Alterations	Flange Cut	No Flange	Single Flange	Surface Treatment	Pulley for Replacement (Pulley only)
Code	FC	NFC	LFC, RFC	BMC, BMR	OP
Spec.	Low flange by cutting. FC: 0.5mm increment No surface treatment is applied on flange circumference. 	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) 	Applies electroless nickel plating on a bushing. (Antirust treatment is applied to screws.) 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) Not applicable to PTLM and PTLG.	Pulleys will be shipped bushings uninstalled.