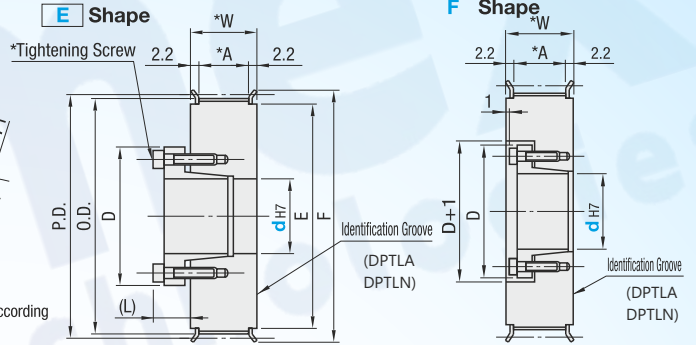
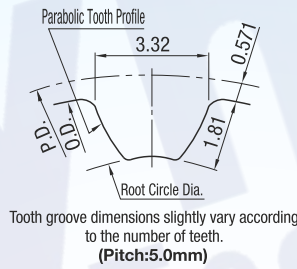


For High Torque Timing Belts

Pulley Shape



Standard Tooth Profile



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

Table 1: Select Shaft Bore Dia.

dH7	Max. Allowable Torque N · m		D		L
	ST Bushing	SH Bushing	ST Bushing	SH Bushing	
8	16	8.5	25.5	24.5	8.5
10	39	18	30	29	10.5
11	43	20	31	30	
12	48	23	32	31	
14	73		35		12
15	78		36		13
16	83		37		
17	88		38		
18	154		43		14
19	163		45		
20	171		46		
22	186		48		
24	206		50	31	
25	216		52		
28	353		54		
30	382		57	15.5	
32	412		59	16.5	
35	451		63		
38	686		70		
40	725		71	19	
42	757		74		

- Surface treatment may not be applied to the shaft bores.
- Two types of bushings are available: standard type (ST bushings) and short type (SH bushings).
- Electroless nickel plated bushing (alterations BMC, BMR) decreases maximum allowable torque and allowable thrust load by 20 to 30%
- Unless otherwise specified except for teeth and F dimensions, the dimension tolerance conforms to JIS B 0405 Class m.

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	76.03	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	95.35	113.45
F	40	44	44	48	50	55	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

TYPE	Part Number		M Material			S Surface Treatment
	Belt Width: 10mm A:11.6 W:16	Belt Width: 15mm A:16.6 W:21	Pulley	Flange	Bushing	
	DP5M100	DP5M150	A7075	A5052	S45C	
DPTLA	●	●	S45C Equivalent	SPCC	S45C	Clear Anodize
DPTLN	●	●				Electroless Nickel Plating
DPTLM	●	●	S45C Equivalent	SPCC	S45C	Black Oxide
DPTLG	●	●				Electroless Nickel Plating

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

mm	mm	
	P5M100	P5M150
A	11.6	16.6
W	16	21



# Keyless High Torque Timing Pulleys - P5M



Specification Table

Part Number	Pulley Shape	Shaft Bore Dia.
PTLA40P5M150	F	12

Part Number			Shaft bore dia. dH7 range 1 mm increments						P.D.	O.D	F	E	
Type	Number of Teeth	Type Nominal Width	Pulley Shape	Shape E		Shape F							
				DPTLA, DPTLN		DPTLM, DPTLG		DPTLA, DPTLN					
				P5M100	P5M150	P5M100	P5M150	P5M100					P5M150
				ST Bushing	ST Bushing	ST Bushing	ST Bushing	SH Bushing	SH Bushing				
DPTLA	22	P5M100	E	8	8	—	8	35.01	33.87	40	28		
	23							36.61	35.46				
DPTLN	24	P5M150	F	8,10,11				38.2	37.06	44	28		
	25							39.79	38.65				
DPTLM	26			8,10-12,14				41.38	40.24	48	36		
	27				10,12	—	8	42.97	41.83				
DPTLG	28			8,10-12,14-16			8,10-12	44.56	43.42	50	38		
	29							46.15	45.01	52	40		
	30				12			47.75	46.6	55			
	31							49.34	48.2				
	32			10-12,14-17				50.93	49.79				
	33							52.52	51.38	61	46		
	34							54.11	52.97				
	35							55.7	54.56				
	36					12,14,15	10,12,26	57.3	56.15	67	50		
	37							58.89	57.75				
	38							60.48	59.34				
	39			10-12,14-20,22				62.07	60.93				
	40							63.66	62.52				
	41							65.25	64.11				
	42							66.84	65.7	74	58		
	43							68.44	67.29				
	44							70.03	68.89				
	45			12,14-20,22,24,25	—	—	—	71.62	70.48				
	46							73.21	72.07	83	63		
	47							74.8	73.66				
	48			12,14-20,22,24,25,28				76.39	75.25				
	49							77.99	76.84				
	50							79.58	78.44	87	67		
	51							81.17	80.03				
	52					15,24	12	82.76	81.62				
	53							84.35	83.21				
	54			12,14-20,22,24,25,28,30,32,35				85.94	84.8	95	75		
	55							87.54	86.39				
	56							89.13	87.98				
	57							90.72	89.58				
	58							92.31	91.17	99	80		
	59							93.9	92.76				
	60							95.49	94.35	104	84		
	72			12,14-20,22,24,25,28,30,32,35,38	12,14-20,22,24,25,28,30,32,35,38,40,42			114.59	113.45	119	100		

## Alterations

Part Number	Pulley Shape	Shaft Bore Dia.	(FC-NFC-LFC-RFC-BMC-BMR-OP)
DPTLA30P5M150	E	14	BMC

### Basic Specifications

- Type - Keyless Bushings
- Belt Type - P5M
- Timing Pulley / Idler - Pulleys

ORDERING GUIDE



Pulley Shape

Shaft Bore Dia

DPTLA40P5M15

— F

— 12

[www.dymextech.com](http://www.dymextech.com)

[india@dymextech.com](mailto:india@dymextech.com)