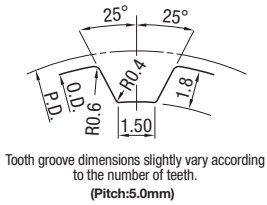


Keyless Timing Pulleys - T5

For Timing Belts, see **P.1470**.



Standard Tooth Profile

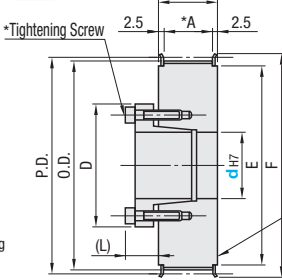


Type	Part Number				Material ¹			Surface Treatment		
	Belt Width: 10mm A:11 W:16	Belt Width: 15mm A:17 W:22	Belt Width: 20mm A:22 W:27	Belt Width: 25mm A:27 W:32	Pulley	Flange	Bushing	Pulley	Flange	Bushing
TTLA	T5100	T5150	T5200	T5250	A7075	A5052	S45C	Clear Anodize ²	-	-
TTLK	●	●	●	●	-	-	-	Hard Clear Anodize ²	-	-

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

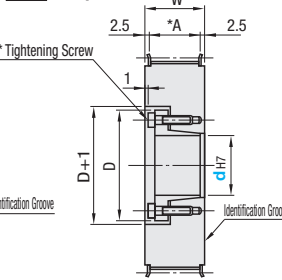


Table 1: Select Shaft Bore Dia.

dh7	Max. 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	10.5
12	48	23	32	31	10.5
14	73	37	35	36	12
15	78	39	36	37	12
16	83	42	37	38	13
17	88	45	38	39	13
18	154	48	43	40	14
19	163	49	45	42	14
20	171	97	46	46	14
22	186	110	48	47	15.5
24	206	121	50	49	15.5
25	216	124	52	51	15.5
28	353	141	54	53	16.5
30	382	149	57	56	16.5
32	412	163	59	58	16.5
35	451	173	63	61	16.5
38	686	-	70	-	19
40	725	-	71	-	19

⚡ Electroless nickel plated bushing (Alterations BMC, BMR) decreases maximum allowable torque and allowable thrust load by 20 ~ 30%.

Number of Teeth	22	24	25	26	28	30	32	34	36	40	44	48	50	60
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
O.D.	34.25	37.40	39.00	40.60	43.75	46.95	50.10	53.25	56.45	62.85	69.20	75.55	78.75	94.65
F	40	45	45	48	48	52	55	61	61	67	74	83	87	99
E	27	30	30	35	35	36	40	45	45	50	58	63	67	80

⚡ 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**.

Type	Number of Teeth	Type, Nominal Width	Pulley Shape	dh7 Range (): Select the former or latter, (-): Specify in 1mm Increment											
				Shape E				Shape F							
				T5100 ST Bushing	T5150 ST Bushing	T5200 ST Bushing	T5250 ST Bushing	T5100 SH Bushing	T5150 SH Bushing	T5200 SH Bushing	T5250 SH Bushing				
TTLA TTLK	22	T5100	E	8	-	-	-	-	-	-	-	-	-	-	
	24	*A:11		8, 10	10	-	-	-	8	8	8	8	-	8	-
	25	*W:16		8, 10-12	10-12	12	12	8	8, 10	8, 10	8, 10	8, 10	-	8, 10, 11	-
	26	T5150		8, 10-12	10-12	12	12	8	8, 10, 11	8, 10, 11	8, 10, 11	8, 10, 11	-	8, 10, 11	-
	28	*A:17		10-12, 14, 15	10-12, 14-17	12, 14, 15	12, 14-17	-	10-12	10-12	10-12	10-12	-	10-12, 14	-
	30	*W:22		10-12, 14-17	10-12, 14-17	12, 14-17	12, 14-17	-	10-12	10-12, 14	10-12, 14	10-12, 14	-	10-12, 14	-
	32	T5200		10-12, 14-17	10-12, 14-17	12, 14-17	12, 14-17	-	10-12	10-12, 14-18	10-12, 14-18	10-12, 14-18	-	10-12, 14-18	-
	34	*A:22		10-12, 14-17	10-12, 14-17	12, 14-17	12, 14-17	-	10-12	10-12, 14-19	10-12, 14-19	10-12, 14-19	-	10-12, 14-19	-
	36	*W:27		12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	-	12	12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	12, 14-20, 22, 24, 25	-	12, 14-20, 22, 24, 25, 28	-
	40	T5250		12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	-	12	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	-	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-
	48	*A:27		12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	-	12	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	12, 14-20, 22, 24, 25, 28, 30, 32	-	12, 14-20, 22, 24, 25, 28, 30, 32, 35	-
	50	*W:32		12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	-	12	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	-	12, 14-20, 22, 24, 25, 28, 30, 32, 35, 38, 40	-
60															

Ordering Example: Part Number - Pulley Shape - Shaft Bore Dia.
 TTLA40T5250 - E - 15

Alterations Part Number - Pulley Shape - Shaft Bore Dia. - (BMC-etc.)
 TTLA40T5250 - F - 15 - FC65

Alterations Code	Surface Treatment	Pulley for Replacement (Pulley only)
	BMC, BMR	OP
Spec.	Applies electroless nickel plating on a bushing. (Antirusting 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)	Pulleys will be shipped bushings uninstalled.

Number of Teeth	Unit Price							
	TTLA (x1.0)				TTLK (x1.1)			
	T5100	T5150	T5200	T5250	T5100	T5150	T5200	T5250
22								
24								
25								
26								
28								
30								
32								
34								
36								
40								
44								
48								
50								
60								

Alterations Code	Flange Cut	Flange Not Swaged	Flange Swaged on One Side
	FC	NFC	LFC, RFC
Spec.	Lowers 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)