

High Torque Timing Pulleys - 5GT

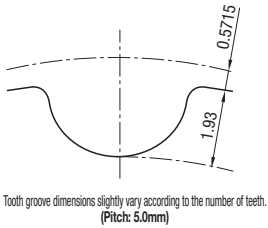
For Super High Torque Timing Belts (compatible with EV5GT belts), see **P.1495**. For Idlers with Teeth, see **P.1487**.



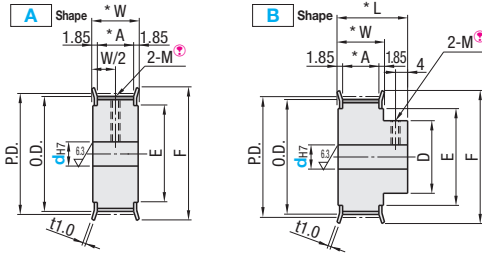
Type	Belt Width			Material*		Surface Treatment	Accessory* Set Screws
	9mm	12mm	15mm	Pulley	Flange		
GPA	●	●	●	Aluminum Alloy	Aluminum Alloy	Clear Anodize	SUS304
GPT	●	●	●	S45C Equivalent	SPCC	-	Chrome Molybdenum Steel (Black Oxide)
GPM	●	●	●			Black Oxide	

*Flange is already swaged, and set screws are included with for Shaft Bores P and N. *The above material and accessory might be changed to the ones equivalent to the originals.

Standard Tooth Profile



Pulley Shape



Tapped Hole Dimensions (Shaft Bore Specs.: P, N)

dh7 Shaft Bore I.D.	M (Coarse)	Accessory: Set Screw
6-12	M4	M4x3
13-30	M5	M5x4
31-45	M6	M6x5 (Shape A only)

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

Number of Teeth / Dimension

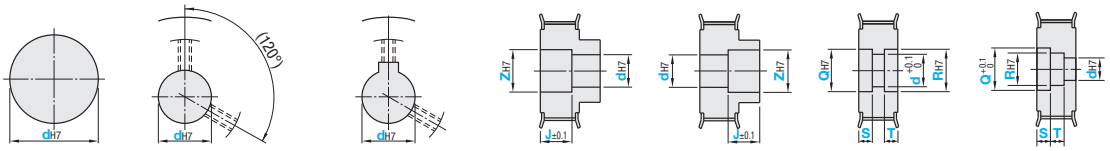
mm	Number of Teeth																		
	14	15	16	18	20	22	24	25	26	28	30	32	34	36	40	44	48	50	60
P.D.	22.28	23.87	25.46	28.65	31.83	35.01	38.20	39.79	41.38	44.56	47.75	50.93	54.11	57.30	63.66	70.03	76.39	79.58	95.49
O.D.	21.14	22.73	24.32	27.51	30.69	33.87	37.06	38.65	40.24	43.42	46.61	49.79	52.97	56.16	62.52	68.89	75.25	78.44	94.35
D	12	13	15	18	20	22	26	28	30	32	34	36	38	40	42	46	46	52	60
F	26	27	29	32	35	39	42	43	45	48	51	55	58	61	67	74	80	83	99
E	16	17	19	22	24	27	30	32	33	36	39	42	46	49	55	62	68	71	87

Belt Nominal Width / Dimension

mm	Nominal		
	GT5090	GT5120	GT5150
A	10.3	13.3	16.3
W	14.0	17.0	20.0
L	22.0	25.0	28.0

Shaft Bore Specs. Select shaft bore spec mark and each dim. from the table below. Surface treatment may not be applied to shaft bores.

- H Round Hole
 P Round Hole + Tap
 N New JIS Keywayed Bore + Tap
 V Stepped Hole
 F Stepped Hole
 Y Both Ends Stepped Hole
 WB Two-stepped Hole (Counterbored Holes on the Hub Side)



- No tapped holes or set screws.
- For A-Shape pulley, the screw holes are set at around 120° to keep away from peaks.
- For Keyway Dimension Details, see P.1413. Specify **NK10** when selecting "Shaft Bore Dia. 10" + "Keyway Width 4.0mm (Height 1.8mm)".
- No tapped holes or set screws.
- Applicable to Shape B only. No tapped holes or set screws.
- Applicable to Shape A only. Shaft Bore Dia. d is +0.1 / 0. No tapped holes or set screws.
- Applicable to Shape A only. No tapped holes or set screws.

Part Number	Type	Number of Teeth	Type Nominal Width	Pulley Shape	Pulley Shape																			
					Shaft Bore Specs. "": 1mm Increments "": Selectable						Shaft Bore Specs. "": 1mm Increments "": Selectable													
					A		V		Y		B		V, F		WB									
					H(d) Round Hole	P(d) Round Hole + Tap See Below	N(d) Keyway + Tap See Below	V(d) Stepped Hole	J (0.1mm Increment)	Y(d) Both Sides Stepped Hole	Q (0.1mm Increment)	R (0.1mm Increment)	S, T	H(d) Round Hole	P(d) Round Hole + Tap See Below	N(d) Keyway + Tap See Below	V, F (d) Stepped Hole	Z-d2 (0.1mm Increment)	J (0.1mm Increment)					
14	Aluminum GPA	22	GT5090	A	6-12	6-8		6-10	8-12	6-10	8-12			6-8			6	8						
15					6-13	6-8		6-11	8-13	6-11	8-13			6-10			6-10			6-7	8, 9			
16					6-15	6-10	8	6-13	8-15	6-13	8-15			6-13			6-14	6		6-9	8-11			
18					6-18	6-13	8, 10	6-16	8-18	6-16	8-18			6-16	8-18			6-14	6-9		6-12	8-14		
20					8-20	8-14	8-12	8-18	10-20	8-18	10-20			8-18	10-20			8-16	8-10	8	8-14	10-16		
22					8-23	8-17	8-12	8-21	10-23	8-21	10-23			8-21	10-23			8-19	8-12	8	8-16	10-18		
24					8-26	8-18	8-14	8-24	10-26	8-24	10-26			8-24	10-26			8-22	8-16	8, 10	8-20	10-22		
25					8-28	8-20	8-16	8-26	10-28	8-26	10-28			8-26	10-28			8-24	8-16	8-12	8-22	10-24		
26					10-29	10-21	10-17	10-27	12-29	10-27	12-29			10-27	12-29			10-24	10-16	10-13	10-22	12-24		
28					10-32	10-24	10-19	10-30	12-32	10-30	12-32	2-18 2.0_SJ_W-2.0		10-30	12-32	3-14 S+T_S-W-3		10-27	10-20	10-15	10-25	12-27		
30					10-35	10-26	10-20	10-33	12-35	10-33	12-35			10-33	12-35			10-28	10-22	10-16	10-26	12-28		
32					10-38	10-30	10-23	10-36	12-38	10-36	12-38			10-36	12-38			10-30	10-22	10-17	10-28	12-30		
34	12-42	12-32	12-26	12-40	14-42	12-40	14-42			12-40	14-42			12-32	12-24	12-18	12-30	14-32						
36	12-45	12-34	12-30	12-43	14-45	12-43	14-45			12-43	14-45			12-34	12-26	12-20	12-32	14-34						
40	12-51	12-36	12-30	12-49	14-51	12-49	14-51			12-49	14-51			12-36	12-26	12-22	12-34	14-36						
44	12-58	12-42	12-30	12-56	14-58	12-56	14-58			12-56	14-58			12-38	12-26	12-23	12-36	14-38						
48	12-64	12-45	12-30	12-62	14-64	12-62	14-64			12-62	14-64			12-42	12-30	12-26	12-40	14-42						
50	12-67	12-45	12-30	12-65	14-67	12-65	14-67			12-65	14-67			12-42	12-30	12-27	12-40	14-42						
60	12-83	12-45	12-30	12-81	14-83	12-81	14-83			12-81	14-83			12-48	12-30	12-30	12-46	14-48						

Shaft Bore Dia. 9 is not available for Shaft Bore Specs. N. Shaft Bore Dia. 6.35 is selectable for Shaft Bore Specs. H, P, V and F.

Ordering Example (Shaft Bore Specs.: H, P, N) **GPA20GT5090** - **A** - **N10**

(Shaft Bore Specs.: V, F) **GPA36GT5120** - **B** - **V20** - **Z22** - **J10.0**

(Shaft Bore Specs.: Y, WB) **GPA40GT5150** - **A** - **Y25** - **Q27** - **R35** - **S5** - **T7**