

# High Torque Timing Pulleys - 1.5GT, 2GT

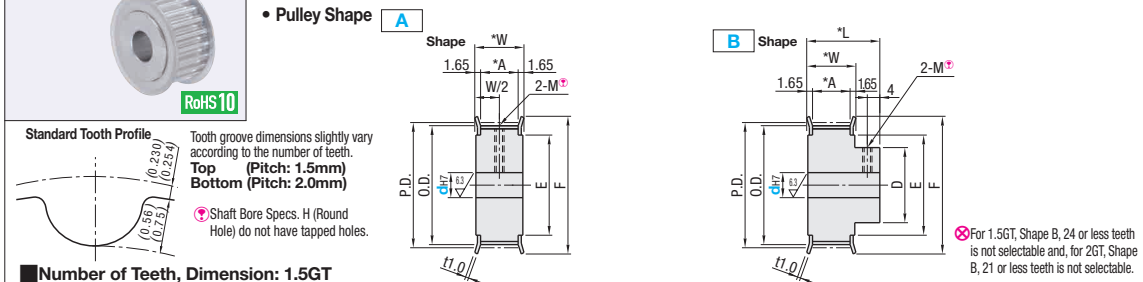
Compatible with 1.5GT, 2GT  
Types from Gates Unitta Asia  
Company.

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

For 2GT High Torque Timing Belts, see P.1493. For 2GT Idlers with Teeth, see P.1487. For 1.5GT High Torque Timing Belts, see VONA website.

Type	Belt Width				Material*		Surface Treatment	Accessory* Set Screws
	4mm	6mm	9mm	12mm	Pulley	Flange		
GPA	GT15040	GT2040	GT2060	GT2090	Aluminum Alloy	Aluminum Alloy	Clear Anodize	SUS304

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



Number of Teeth, Dimension: 1.5GT

mm	18	20	24	30	36
P.D.	8.59	9.55	11.46	14.32	17.19
O.D.	8.13	9.09	11.00	13.86	16.73
D	-	-	-	8	10
F	13	14	16	18	22
E	6	7	8	10	13

Belt Nominal Width / Dimension

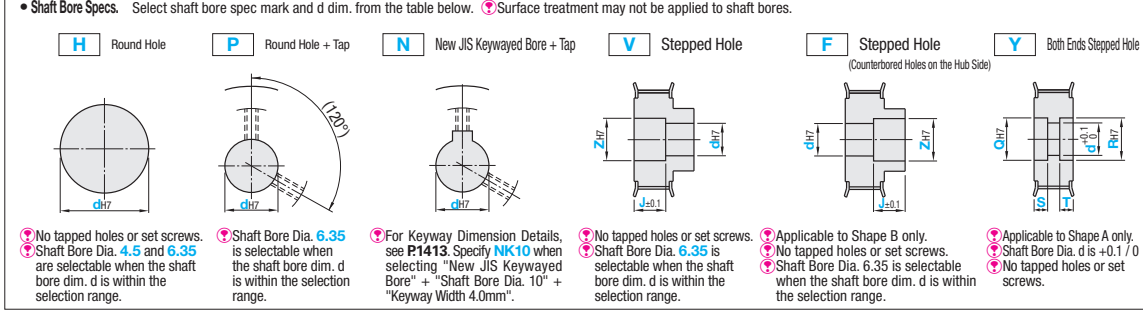
mm	GT15040	GT2040	GT2060	GT2090
A	5.0	5.0	7.0	10.0
W	8.3	8.3	10.3	13.3
L	16.0	16.0	18.0	21.0

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

dh7	M	Accessory
5	M3	M3x3
6-22	M4	M4x3

Number of Teeth, Dimension: 2GT

mm	14	15	16	18	20	21	22	24	25	26	28	30	32	34	36	38	40	44	48	50	60
P.D.	8.91	9.55	10.19	11.46	12.73	13.37	14.01	15.28	15.92	16.55	17.83	19.10	20.37	21.65	22.92	24.19	25.46	28.01	30.56	31.83	38.20
O.D.	8.40	9.04	9.68	10.95	12.22	12.86	13.50	14.77	15.41	16.04	17.32	18.59	19.86	21.14	22.41	23.68	24.95	27.50	30.05	31.32	37.69
D	-	-	-	-	-	8	10	10	10	11	13	14	14	16	17	19	22	22	22	28	28
F	13	14	14	16	17	18	18	20	20	21	23	24	25	27	29	30	32	35	36	42	42
E	6	7	7	8	9	10	10	12	12	12	14	15	17	18	18	20	21	23	26	27	33



1.5GT

Type	Number of Teeth	Part Number	Pulley Shape	Shaft Bore Specs. d (Selection)	
				A	B
Aluminum GPA	18	GT15040	A	H Round Hole	P Round Hole + Tap
	20			3, 4	-
	24			4, 4.5, 5	5
	30			4, 4.5, 5, 6	5, 6
	36			5, 6, 6.35, 7, 8	5, 6, 6.35, 7, 8

2GT

Type	Number of Teeth	Part Number	Pulley Shape	Shaft Bore Specs. "": 1mm Increments "": Selectable	
				A	B
Aluminum GPA	14	GT2040	A	H Round Hole	P Round Hole + Tap
	15			3, 4	-
	16			3, 4	-
	18			4, 4.5, 5	-
	20			4, 4.5, 5, 6	-
	21			4, 6	-
	22			4, 6	6
	24			5, 6	7, 8
	25			5, 6	7, 8
	26			5, 6	7, 8
	28			5, 8	7, 10
	30			5, 11	7, 11
	32			5, 13	7, 13
	34			6, 14	8, 14
	36			6, 14	8, 14
	38			6, 16	8, 16
	40			6, 17	8, 10
	44			6, 19	8, 19
	48			8, 22	8, 13
	50			8, 23	8, 14
60	8, 29	8, 22			

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.

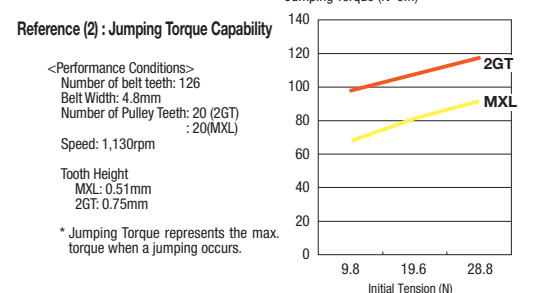
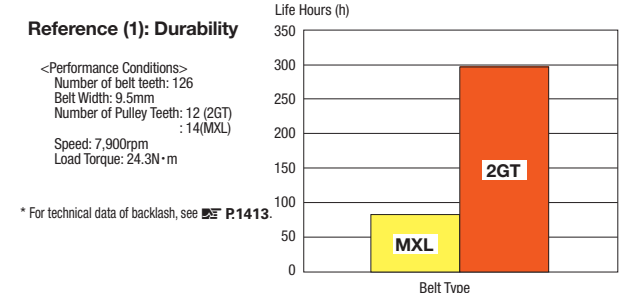
Number of Teeth	Body Price								Shaft Bore Machining Charge (Body Price +)				
	A2000 Aluminum Alloy (Clear Anodize)				GT2090				1.5GT		2GT		
	GT15040	GT2040	GT2060	GT2090	GT2090	GT2090	GT2090	GT2090	P Hole	N Hole	P Hole	N, V, F Hole	Y Hole
14													
15													
16													
18													
20													
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50													
60													

Alterations Part Number - Pulley Shape - Shaft Bore Specs., I.D. - (KC90...etc.)  
 GPA32GT2060 - A - H8 - NFC

Alterations	Set Screw Angle	Flange Not Swaged	Flange Swaged on One Side	Flange Cut	Hub Shortening
Code	KC90	NFC	RFC, LFC	FC	BC
Spec.	Changes an angle of set screw to 90°. For A-Shape pulley, the screw holes are set at around 90° to keep away from peaks.	(Flange 2 pcs. Included) Ordering Code   NFC	(Flange 1 pc. Included) Ordering Code   RFC	Cuts the flange O.D. in 0.5mm increment. Ordering Code   FC17	Cuts the hub length in 0.5mm increment. Ordering Code   BC6.5

Alterations	Add Side Holes		
Code	Side Tapped Hole QTC, QFC, QSC	Side Through Hole KTC, KFC, KSC	Side Counterbored ZTC, ZFC, ZSC
Spec.	Machines tapped hole on the side surface of hub side. Ordering Code   QTC28-M4 Specify the hole position (P. C. D. dim.). M Selection M3, M4, M5, M6, M8 Application Notes Not available for 1.5GT Minimum Thickness: 2mm Formula P.1414 Conditions may vary depending on the shaft bore specs. P.1414	Machines through hole on the side surface. Ordering Code   KTC28-K4.5 Specify the hole position (P. C. D. dim.). Code K K4.0 ~ 8.0 (0.5mm Increments) Application Notes Not available for 1.5GT Minimum Thickness: 2mm Formula P.1414 Conditions may vary depending on the shaft bore specs. P.1414	Machines counterbored hole on the side surface. Ordering Code   ZTC28-Z4 Specify the hole position (P. C. D. dim.). Z Selection ZM3, ZM4, ZM5, ZM6, ZM8 Application Notes Not available for 1.5GT Minimum Thickness: 2mm Formula P.1414 Conditions may vary depending on the shaft bore specs. P.1414

## Performance Comparison between MXL and 2GT Belts



\* For technical data of backlash, see P.1413.