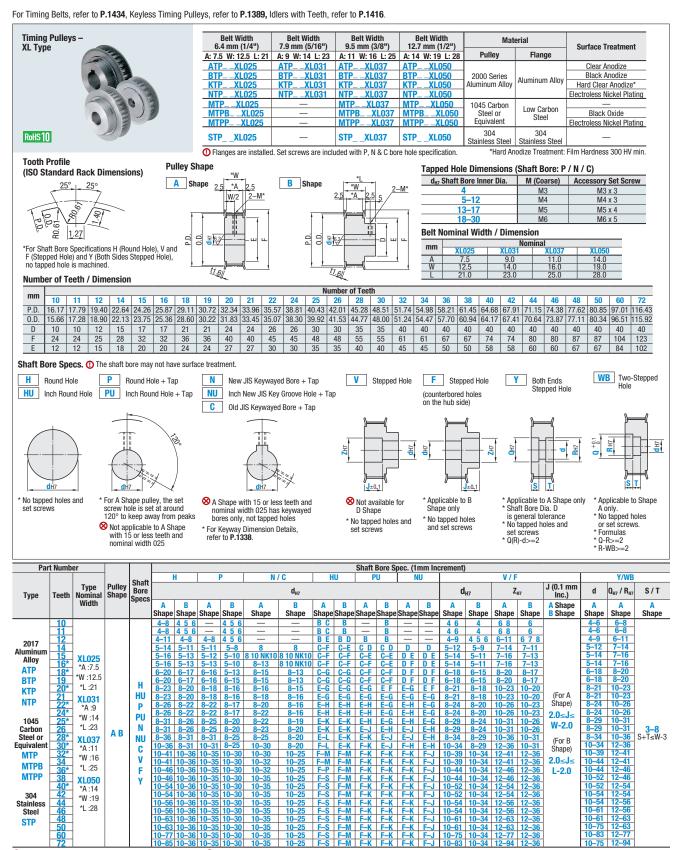
## **Timing Pulleys**

**XL Type** 

Timing Pulleys / Belts / Keyless

Bushings



- O For inch hole dimensions detail information refer to next page. Shaft Bore Dia. 8, 9, 11, 13, 14, 17, 20–35 are not available for Shaft Bore specification C STP is available for \* marked No. of teeth only. Shaft Bore Dia. 9 is not available for Shaft Bore specification N.
- A Shape with 15 or less teeth and nominal width 025 is not available for shaft bore specification P, and no tapped holes for shaft bore specifications N and C.
- OZ-d=2 for Shaft Bore Specification V. OQ(R)-d≥2 for shaft bore specification Y. OShaft Bore Dia. 6.35 is selectable for Shaft Bore specifications H, P, V and F.

## ① Select NK10 when New JIS Keywayed Bore + Tap with shaft bore diameter of 10 and keyway width 4.0 mm (height 1.8 mm) is requested. P.1338.

## **Timing Pulleys**

XL Type, continued



Part Number		-	Pulley Shape	-	Shaft Bore Spec. / Inner Dia.	-	Z	-	J	-	Q	-	R	-	S	- [	T
Shaft Bore: H/P/N/C	ATP24XL037	-	В	-	N10												
Shaft Bore: V / F	ATP60XL050	÷	Α	-	V20	-	<b>Z28</b>	-	J16.0								
Shaft Bore: Y	ATP40XL050	-	Α	÷	Y20					÷	Q32	-	R32	-	<b>S7</b>	-	<b>T7</b>

## Inch Hole Specifications

•		
No.	Nominal	Dimension (mm)
Α	1/8	3.175
В	3/16	4.763
C	1/4	6.350
D	5/16	7.938
E	3/8	9.525
F	1/2	12.700
G	5/8	15.875
Н	3/4	19.050
J	7/8	22.225

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	No.	Nominal	Dimension (mm)
	K	1	25.400
	L	1-1/4	31.750
	M	1-3/8	34.925
	N	1-1/2	38.100
	P	1-5/8	41.275
	Q	1-3/4	44.450
	R	1-7/8	47.625
	S	2	50.800



Alterations	Set Screw Angle	Side Tapped Hole	Side Counterbore Holes	Groove for Retainer Ring	Taper for Retaining Bearing
Code	KC90	QSC / QFC / QTC	ZTC-ZFC-ZSC	SRG	BTC
Spec.	Changes an angle of set screw to 90°.  ① For A shape pulley, the set screw hole is set at around 90° to keep away from peaks.	Machines tapped hole on the side surface of hub side.  (OSC, OFC, OTC: 1 mm Increment)  ① Thickness required: minimum 2 mm  A Shape: d+M+4sOSC(QFC / OTC)sE-(M+4)  B Shape: d+M+4sOSC(QFC / OTC)sE-(M+4)  ① Specify KC90 when selecting OFC for the Shaft Bore specifications P and N.  ① d=Z when the Shaft Bore Specifications is V.  ① The pilot hole for tapping may go through.  ② OSC is not applicable to Shaft Bore Specifications F or Y.  ② OSC is not applicable to the Shaft Bore Specification P and N.  M Selection: M3, M4, M5, M6, M8  Ordering Code: OFC28-M4	Machines countbore holes on the side surface of the hub side.  Ordering Code: ZTC28-ZM4 Z/C Selection: Please specify the hole's manufacturing position (P.C.D.) ZM Selection: ZM3, ZM4, ZM5, ZM6, ZM8 Application Notes  Not applicable for 1.5GT  Minimum thickness is 2mm  O Conditions vary depending on the shaft hole specifications  ZSC ZFC ZTC  A-ZM  ZTC  A-ZM  D Selection: ZM2  ZTC  A-ZM  D Selection: ZM2  ZTC  D Selection: ZM3  ZSC  ZFC  ZTC  D Selection: ZM2  ZTC  D Selection: ZM3  ZSC  ZFC  ZTC  D Selection: ZM3  ZSC  ZFC  ZTC  D Selection: ZM3  ZSC  ZFC  ZTC  D Selection: ZM3  ZZC  ZTC	Machines groove for retainer ring in line with the stepped hole of the shaft SRG Specification: 2.5-36.5mm (0.5mm increments) Application Notes $ \begin{array}{c} \text{Minimum thickness is } 2\text{mm} \\ \text{Mpolication Syle } \text{Monimum thickness is } 2\text{mm} \\ \text{Mpolication For Specifications } \text{Monimum thickness is } 2\text{mm} \\ $	Add taper for retaining bearing inner ring  Ordering Code: BTC8-TL1.5  Application Notes  Applicable to Shape A only.  Applications H, P only.  TL < L-W

Alterations	Hub Shortening	Flange Not Swaged	Flange Swaged on One Side	Flange Cut	Tapped Hole Dimensions	Set Screw Length	Side Through Holes
Code	BC	NFC	RFC / LFC	FC	TPC	SLH	KSC-KTC-KFC
Spec.	Cuts the hub length in 0.5mm increments  Ordering Code: BC6.5 Application Notes  Shaft Bore specification H, V, F: 3=BCsL-W  Shaft Bore specification P, N, C: M+3=BCsL-W  Not available for K, A shape		Flange installed on the hub side (RFC) or the opposite side (LFC) only.  Same on A Shape  RFC  LFC	Cuts the outer diameter of the flange in 0.5mm increments  Ordering Code: FC17  Application Notes  ① FC ≥ (0.D.) + 1  ① FC ≤ F - 2  ① No surface treatment applied on flange circumference.	Changes the tapped hole dimension.  ① Applicable to Shaft Bore specification P, N, C only.  M TPC M3 M4 M4 M3, M5 M5 M4, M6 M6 M5  Ordering Code: TPC5	Changes the length of the included set screws.  ⚠ Applicable to Shaft Bore specification P, N, C only.  ➡ Not applicable to Stainless  Set Screw SLH  M3 x 3 6  M4 x 3 5, 8  M5 x 4 6, 10  M6 x 5 10  Ordering Code:  SLH10	Machines through hole on the side surface of hub side.  Ordering Code: KTC28-K4.5  K, C Selection: Please specify the hole's manufacturing position (P.C.D.)  K Specification: K4.0-11.0 (0.5mm increments)  Application Notes  Not available for K shape  KSC  KFC  Through  KTC  3 - K  Through