

T10 Type ▶

Pitch 10.0

Timing Pulleys



T10150	T10200	T10250	T10300	T10400	T10500	Pitch	Material		Surface Treatment
Belt Width 15	Belt Width 20	Belt Width 25	Belt Width 30	Belt Width 40	Belt Width 50		Pulley	Flange	
EAR01	EAR15	EAR29	EAR43	EAR57	EAR71	10.0	Aluminum Alloy		Clear Anodize
EAR09	EAR23	EAR37	EAR51	EAR65	EAR79		S45C	SPCC	Black Oxide

■ Tapped Hole Dimensions (Shaft Bore: P / N)

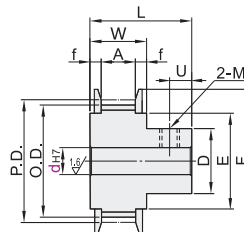
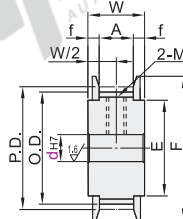
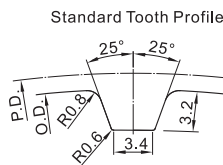
Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
12	M4	M4×3
12.7~17	M5	M5×4
18~30	M6	M6×5
31~45	M8	M8×6
46~65	M10	M10×8



□ When the material of the timing pulley is S45C, the retaining ring has flanging type.

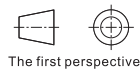
Pulley Shape
Shape A

Pulley Shape
Shape B



$$\text{□ } f = (W - A) / 2$$

□ When the pulley shape is B shape, $U = (L - W) / 2$. When U ≠ integer, round down.

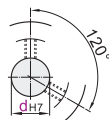


The first perspective

■ Shaft Bore Spec.

P Round Hole + Tap

N New JIS Keywayed Bore + Tap



□ For Keyway Dimension Details, refer to the Timing Pulleys product introduction.

□ To avoid damaging the integrity of the teeth, the screw hole is selected to be machined at the bottom of the tooth. Therefore, when the number of teeth cannot be divided equally as trisection, the screw hole will be drilled at the bottom of the closest teeth. And the angle of the screw hole will have slight deviation in that case, will not be exactly 120°

Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec.d _{H7} (1mm Increment)				P.D.	O.D.	D	F	E	Type Nominal Width		
				Shape A		Shape B							A	W	L
Code	Teeth			P	N	P	N								
(Aluminum Alloy)	12	A		12~18	12~15	—	—	38.20	36.35	—	40	27			
	14			12~26	12~20	12~22	12~20	44.56	42.70	32	48	35	Belt Width 15		
	15			12~26	12~22	12~23	12~20	47.75	45.90	33	52	36	T10150		
	16			12~30	12~26	12~27	12~22	50.93	49.05	37	58	40	A:17		
	18			12~30	12~30	12~30	12~25	57.30	55.45	40	61	45	W:22		
	20			12~40	12~36	12~35	12~29	63.66	61.80	47	67	50	L:37		
	22			14~48	14~38	14~38	14~32	70.03	68.15	50	80	60	Belt Width 20		
	24			14~50	14~44	14~46	14~40	76.39	74.55	60	87	67	T10200		
	25			14~50	14~47	14~49	14~43	79.58	77.70		87	67	A:22		
	26	A	P	14~50	14~50	14~49	14~43	82.76	80.90	63	87	67	W:27		
(S45C)	28	B	N	16~57	16~50	16~56	16~48	89.13	87.25	70	95	75	L:42		
	30			16~65	16~50	16~61	16~50	95.49	93.65	75	104	84	Belt Width 25		
	32			20~65	20~50	20~65	20~50	101.86	100.00	85	111	90	T10250		
	34			20~65	20~50	20~65	20~50	108.23	106.4	90	115	95	A:27		
	36			20~65	20~50	20~65	20~50	114.59	112.75	95	123	102	W:32		
	40			20~65	20~50	20~65	20~50	127.32	125.45		135	115	L:52(57)		
	44			20~65	20~50	20~65	20~50	140.06	138.20		152	130	Belt Width 30		
	48			20~65	20~50	20~65	20~50	152.79	150.95	100	160	140	T10300		
	50			20~65	20~50	20~65	20~50	159.15	157.3		170	150	A:32		
	60			20~65	20~50	20~65	20~50	190.99	189.1		200	180	W:48		
													L:61(63)★		
													Belt Width 40		
													T10400		
													A:43		
													W:48		
													L:70★		

★ L dimensions in () are for 44~60 toothed pulleys.

□ Select N-d10K when New JIS Keywayed Bore + Tap with shaft bore diameter of 10 and keyway width 4.0 mm (height 1.8 mm) is requested. (Refer to the Timing pulley product introduction)

□ "Optional processing", please see timing pulley product brief introduction.



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. dH7 (1mm Increment)			
Code	Teeth			Shape A		Shape B	
				P	N	P	N
EAR37-T10250	48	A	P				
EAR51-T10300	50	B	N	20-65	12-50	20-65	12-50
EAR79-T10500	60						

EAR51-T10300 — 60 — A — N — d20



Discount price
Per Price
1~4 100%
5~ Additional quotation



Aluminum Alloy



S45C