

Timing Pulleys

L Type Pitch 9.525

L050	L075	L100	L150	Pitch	Material		Surface Treatment
Belt Width 12.7 (1/2 Inch)	Belt Width 19.1 (3/4 Inch)	Belt Width 25.4 (1 Inch)	Belt Width 38.1 (1.5 Inch)		Pulley	Flange	
EAJ01	EAJ21	EAJ41	EAJ61	9.525	Aluminum Alloy		Clear Anodize
EAJ12	EAJ32	EAJ52	EAJ72		S45C	SPCC	Black Oxide



Tap Hole Dimensions (Shaft Bore: P / N)

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

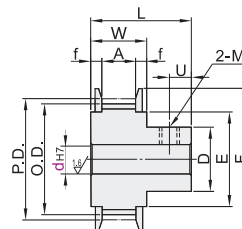
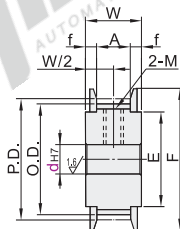
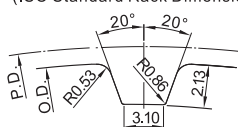


When the material of the timing pulley is S45C, the retaining ring has flanging type.

Pulley Shape
Shape A

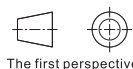
Pulley Shape
Shape B

Tooth Profile
(ISO Standard Rack Dimensions)



f = (W - A) / 2

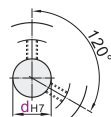
When the pulley shape is B shape, U = (L - W) / 2. When U ≠ integer, round down.



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 teeth. 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		
Code	Teeth			Shape A		Shape B							A	W	L
				P	N	P	N								
(Aluminum Alloy)	12	A	P	8~18	8~16	8~18	8~18	36.38	35.62	27	45	30	Belt Width 12.7 L050 A:14 W:19 L:31(39) ★		
	14			8~21	8~21	8~20	8~20	42.45	41.68		48	35			
	15			8~23	8~23	8~20	8~20	45.48	44.72	30	48	35			
	16			10~26	10~23	10~22	10~22	48.51	47.75	32	55	40			
	17			10~26	10~26	10~24	10~23	51.54	50.78	34	55	40			
	18			10~29	10~29	10~26	10~23	54.57	53.81	36	61	45			
	19			12~34	12~30	12~28	12~25	57.61	56.84	38	67	50			
	20			12~34	12~30	12~30	12~26	60.64	59.88	40	67	50			
	21			12~40	12~32	12~30	12~26	63.67	62.91	42	70	56			
	22			12~42	12~34	12~33	12~30	66.70	65.94	45	80	60			
EAJ01-L050	24	12~49		12~41	12~38	12~30	72.77	72.00		87	67	Belt Width 19.1 L075 A:21 W:26 L:38(46) ★			
EAJ21-L075	25	12~49		12~41	12~38	12~30	75.80	75.04		87	67				
EAJ41-L100	26	12~49		12~41	12~38	12~30	78.83	78.07	50	87	67				
EAJ61-L150	28	12~57		12~49	12~38	12~30	84.89	84.13		95	75				
	30	12~62		12~50	12~42	12~34	90.96	90.20		99	80				
	32	14~65		14~50	14~42	14~34	97.02	96.26	56	104	84				
	34	14~65		14~50	14~49	14~41	103.08	102.32		111	90				
	36	16~65		16~50	14~49	14~41	109.15	108.39		123	102				
	38	16~65		16~50	16~49	16~41	115.21	114.45		127	105				
	40	16~65		16~50	16~49	16~41	121.28	120.51		131	110				
(S45C)	42	B		N	16~65	16~50	16~57	16~49	127.34	126.58		135	115	Belt Width 38.1 L100 A:27 W:32 L:44(53) ★	
EAJ12-L050	44				16~65	16~50	16~57	16~49	133.40	132.64		140	120		
EAJ32-L075	46				16~65	16~50	16~57	16~49	139.47	138.71		144	125		
EAJ52-L100	48				16~65	16~50	16~57	16~49	145.53	144.77		152	130		
EAJ72-L150	50				16~65	16~50	16~57	16~49	151.6	150.83	71	160	140		
	60				A	16~65	16~50	16~57	16~49	181.91	181.15		190		160
	72					16~65	16~50	16~57	16~49	218.3	217.53		225		194

★ L dimensions
in () are for
60 or 72 toothed
pulleys.

Shaft Bore Dia. 9 are not available for Shaft Bore specification N.

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)

Available number of teeth with nominal width L150 is up to 50.

*Optional processing, please see timing pulley product brief introduction.



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)			
Code	Teeth			Shape A	Shape B	Shape A	Shape B
EAJ01-L050	12	A	P	16~65	16~50	16~57	16~59
EAJ21-L075	15	B	N				

EAJ21-L075 - 46 - A - N - d40



Discount price	
Per	1~4
Price	100%
	Additional quotation



Delivery
4
Aluminum Alloy



Delivery
11
S45C