

XL Type ▶ Pitch 5.08

Timing Pulleys



XL025	XL031	XL037	XL050	Pitch	Material		Surface Treatment
Belt Width 6.4 (1/4 Inch)	Belt Width 7.9 (5/16 Inch)	Belt Width 9.5 (3/8 Inch)	Belt Width 12.7 (1/2 Inch)		Pulley	Flange	
EAFO1	EAFO1	EAFO1	EAFO1	5.08	Aluminum Alloy		Clear Anodize
EAFO12	—	EAFO12	EAFO12		S45C	SPCC	Black Oxide

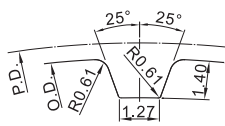
■ Tapped Hole Dimensions (Shaft Bore: P/N)

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
4	M3	M3×3
5~12	M4	M4×3
12.7~17	M5	M5×4
18~30	M6	M6×5

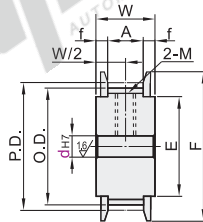


① When the material of the timing pulley is S45C, the retaining ring has flanging type.

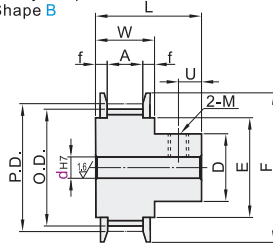
Tooth Profile
(ISO Standard Rack Dimensions)



Pulley Shape
Shape A



Pulley Shape
Shape B



$$① f = (W - A) / 2$$

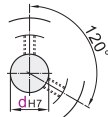
① When the pulley shape is B shape, $U = (L - W) / 2$. When $U \neq$ integer, round down.



The first perspective

■ Shaft Bore Spec.

P Round Hole + Tap



① Not applicable to A Shape with 15 or less teeth and nominal width XL025.

N New JIS Keywayed Bore + Tap



① For Keyway Dimension Details, refer to the Timing Pulleys product introduction.

① 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. _{dH7} (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) EAF01-XL025 EAF21-XL031 EAF31-XL037 EAF51-XL050	10			—	—	5~6	—	16.17	15.66	10	24	12	Belt Width 6.4 XL025 A:7.5 W:12.5 L:21		
	11			—	—	5~6	—	17.79	17.28	12	24	12			
	12			4~6	—	5~6	—	19.40	18.90	12	25	15			
	14			5~9	8	6~8	8	22.64	22.13	15	28	18			
	15			5~11	8~10	6~10	8~10	24.26	23.75	17	32	20	Belt Width 7.9 XL031 A:9 W:14 L:23		
	16			6~13	8~10K	6~10	8~10	25.87	25.36	17	32	20			
	18			6~15	8~13	6~13	8~13	29.11	28.60	21	36	24			
	19			6~15	8~14	6~15	8~13	30.72	30.22	21	36	24			
	20			8~16	8~16	8~15	8~15	32.34	31.83	24	40	27	Belt Width 9.5 XL037 A:11 W:16 L:25		
	21			8~18	8~16	8~16	8~16	33.96	33.45	24	40	27			
	22			8~20	8~17	8~18	8~18	35.57	35.07	26	45	30			
	24			8~22	8~19	8~18	8~18	38.81	38.30	30	48	35			
	25		A	P	8~22	8~21	8~19	8~19	40.43	39.92	30	48	35	Belt Width 12.7 XL050 A:14 W:19 L:28	
	26			8~23	8~22	8~20	8~20	42.01	41.53	30	48	35			
	28		B	N	8~26	8~25	8~25	8~20	45.28	44.77	35	55	40		
	30			10~30	10~28	10~25	10~20	48.51	48.00	35	55	40			
32			10~30	10~30	10~30	10~25	51.74	51.24	40	61	45				
34			10~30	10~30	10~30	10~25	54.98	54.47	40	61	45				
36			10~30	10~30	10~30	10~25	58.21	57.70	40	67	50				
38			10~30	10~30	10~30	10~25	61.45	60.94	40	67	50				
40			10~30	10~30	10~30	10~25	64.68	64.17	40	74	58				
42			10~30	10~30	10~30	10~25	67.91	67.41	40	74	58				
44			10~30	10~30	10~30	10~25	71.15	70.64	40	80	60				
46			10~30	10~30	10~30	10~25	74.38	73.87	40	80	60				
48			10~30	10~30	10~30	10~25	77.62	77.11	40	87	67				
50			10~30	10~30	10~30	10~25	80.85	80.34	40	87	67				
60			10~30	10~30	10~30	10~25	97.01	96.51	40	104	84				
72			10~30	10~30	10~30	10~25	116.43	115.92	40	123	102				

① Shaft Bore Dia. 9 is not available for Shaft Bore specification N.

① Shaft Bore Dia. 6.35 is selectable for Shaft Bore specifications P.

① Select N-10K 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)

① *Optional processing, please see timing pulley product brief introduction.



Please order
as shown

Part Number	Teeth	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)			
Code				Shape A	Shape B		
EAFO1-XL025	36	A	P	10~30	10~30	10~30	10~25
EAF012-XL031	38	B	N	10~30	10~30	10~30	10~25
EAF012-XL025	38	A	N	10~30	10~30	10~30	10~25

EAF012-XL025 — 38 — A — N — d20



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



Delivery 4

① Aluminum Alloy



Delivery 11

① S45C