

Timing Pulleys

MXL Type Pitch 2.032

MXL019	MXL025	MXL037	MXL050	Pitch	Material		Surface Treatment
Belt Width 4.8 (3/16 Inch)	Belt Width 6.4 (1/4 Inch)	Belt Width 9.5 (3/8 Inch)	Belt Width 12.7 (1/2 Inch)		Pulley	Flange	
EAC01	EAC11	EAC31	EAC51	2.032	Aluminum Alloy	SPCC	Clear Anodize
—	EAC22	EAC42	—		S45C		Black Oxide

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

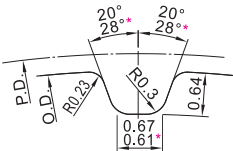
Shaft Bore Inner Dia. dH7	M (Coarse)	Accessories Set Screw
3~5	M3	M3×3
6~18	M4	M4×3
19~21	M5	M5×4



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

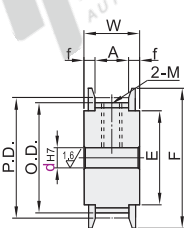


Tooth Profile
(ISO Standard Rack Dimensions)

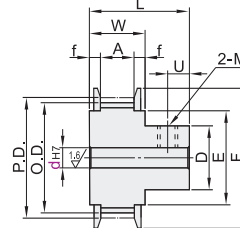


☐ The size with * is suitable for the number of teeth below 23.

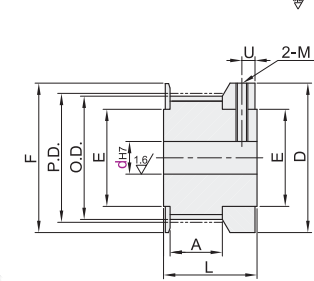
Pulley Shape
Shape A



Pulley Shape
Shape B



Pulley Shape
Shape K



32°

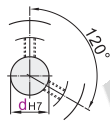
☐ $f = (W - A) / 2$

☐ When the pulley shape is B shape, $U = (L - W) / 2$; When the pulley shape is K shape, $U = (L - A - 2.5) / 2$. When $U \neq$ integer, round down.

☑ Shaft Bore Spec.

P Round Hole + Tap

N New JIS Keywayed Bore + Tap



☐ Not available for A Shape.

☐ 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.dH7 (1mm Increment)			P.D.	O.D.	D	F	E	Type Nominal Width		
Code	Teeth			Shape A	Shape B-K							A	W	L
				N	P	N								
(Aluminum Alloy)	14	A		3-4		9.06	8.55	12	12	6	Belt Width 4.8 MXL019 A:6 W:10 L:16.5			
	15			3-4		9.70	9.19		12	6				
	16			3-4-5		10.35	9.84		14	8				
	17			3-4-5		11.00	10.49	14	8					
	18	K		3-4-5		11.64	11.14	14	14	8	Belt Width 6.4 MXL025 A:7.5 W:11.5 L:18			
	19			3-4-5		12.29	11.78		14	8				
	20			4-5		12.94	12.43		18	11				
	21			4-5		13.58	13.07	9	18	11				
	22			4-5		14.23	13.72		18	11	Belt Width 9.5 MXL037 A:11 W:15 L:22			
	23		3-7	—	14.88	14.37		20	13					
	24		3-7		15.52	15.02	11	20	13					
	EAC01-MXL019		3-7		16.17	15.66		20	13					
	EAC11-MXL025		P		3-8		16.82	16.31	12	22	14	Belt Width 12.7 MXL050 A:14 W:18 L:25		
	EAC31-MXL037			4-8		17.46	16.96	22		14				
EAC51-MXL050		4-8			18.11	17.60	22	14						
		8		4-8	19.40	18.90	26	16						
(S45C)	32	A		8	4-8	20.70	20.19	14	26	16	MXL037 A:11 W:15 L:22			
	34			8	4-8	21.99	21.48		25	16				
	36			8~11	5~10	8	23.29		22.78	16		28	18	
	38			8~11	5~10	8	24.58	24.07	18	30		20		
	40	B		8~13	5~10	8~10	25.87	25.36	18	30	20	Belt Width 12.7 MXL050 A:14 W:18 L:25		
	42			8~13	5~10	8~10	27.17	26.66		32	23			
	44			8~16	5~12	8~12	28.46	27.95		20	32		23	
	46			8~16	5~12	8~12	29.75	29.24	22	35	25			
	48			8~17	5~13	8~13	31.05	30.54	22	35	25	MXL050 A:14 W:18 L:25		
	50		8~18	5~13	8~13	32.34	31.84	35		25				
	60		8~22	5~20	8~16	38.81	38.30	28		44	32			
	72		8~30	5~21	8~18	46.57	46.06	30		52	40			

☐ Shaft Bore Dia. 9 is 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)

☐ *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			N	P	N
EAC01-MXL019	14	A	P	8~18	5~13	6~13
EAC11-MXL025	25	B	N	8~22	5~20	8~16
EAC11-MXL025	50	B	N	—	—	—

EAC11-MXL025 — 50 — B — N — d12



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



☐ Aluminum Alloy



☐ S45C