

H Type ▶ Pitch 12.7

Timing Pulleys



H075	H100	H150	H200	Pitch	Material		Surface Treatment
Belt Width 19.1 (3/4 Inch)	Belt Width 25.4 (1 Inch)	Belt Width 38.1 (1.5 Inch)	Belt Width 50.8 (2 Inch)		Pulley	Flange	
EAL01	EAL21	EAL41	EAL61	12.7	Aluminum Alloy		Clear Anodize
EAL12	EAL32	EAL52	EAL72		S45C	SPCC	Black Oxide

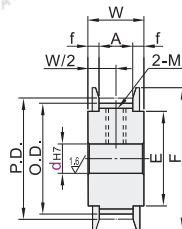
Tap Hole Dimensions (Shaft Bore: P / N)

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
31~46	M8	M8×6
47~65	M10	M10×8

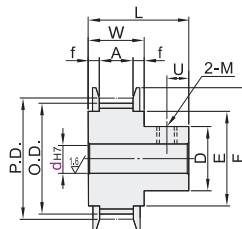


① When the material of the timing pulley is S45C, the retaining ring has flanging type.

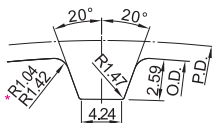
Pulley Shape
Shape A



Pulley Shape
Shape B



Tooth Profile
(ISO Standard Rack Dimensions)



① The R size with * is suitable for the number of teeth below 19.

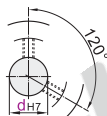
$$f = (W - A) / 2$$

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



Shaft Bore Spec.

P Round Hole + Tap



N New JIS Keyway 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.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)	14			12~30	12~29	12~29	12~25	56.60	55.22	39	61	45	Belt Width 19.1 H075 A:21 W:26 L:41					
	15			12~34	12~30	12~33	12~29	60.64	59.27	45	67	50						
	16			12~40	12~35	12~36	12~30	64.68	63.31	48	70	56						
	17			12~44	12~40	12~36	12~30	68.72	67.35		80	60						
	18			12~44	12~43	12~38	12~35	72.77	71.39	50	80	60	Belt Width 25.4 H100 A:27 W:32 L:47(38~L:53) 72 =L:58					
	EAL01-H075			14~49	14~46	14~38	14~35	76.81	75.44		87	67						
	EAL21-H100			14~50	14~50	14~46	14~38	80.85	79.48		87	67						
	EAL41-H150			14~57	14~50	14~46	14~38	84.89	83.52	58	95	75						
	EAL61-H200			14~57	14~50	14~46	14~38	88.94	87.56		95	75						
	21	A		16~65	16~50	16~46	16~38	97.01	95.65		104	84						
(S45C)	22	B		16~65	16~50	16~46	16~38	97.01	95.65		104	84	Belt Width 38.1 H150 A:40 W:45 L:60(38~L:65) 72 =L:70					
	24			20~65	20~50	20~49	20~41	101.06	99.69		111	90						
	25		P	20~65	20~50	20~49	20~41	105.11	103.73		111	90						
	EAL12-H075			20~65	20~50	20~49	20~41	113.19	111.82	63	123	102						
	EAL32-H100		N	20~65	20~50	20~49	20~41	121.28	119.90		127	105						
	EAL52-H150			20~65	20~50	20~49	20~43	129.36	127.99		135	115						
	EAL72-H200			20~65	20~50	20~57	20~49	137.45	136.07	71	144	125						
	32			20~65	20~50	20~57	20~49	145.53	144.16		152	130						
	34			20~65	20~50	20~57	20~49	153.62	152.24		165	140						
	36			20~65	20~50	20~57	20~49	161.70	160.33		170	150						
(S45C)	40			20~65	20~50	20~57	20~49	169.79	168.41	88	180	155				Belt Width 50.8 H200 A:54 W:59 L:74		
	EAL12-H075			20~65	20~50	20~57	20~49	177.87	176.50		190	170						
	EAL32-H100		A	20~65	20~50	20~57	20~49	194.04	192.67		205	180						
	EAL52-H150			20~65	20~50	20~57	20~49	202.13	200.76		210	185						
	EAL72-H200																	
	50																	

① Available number of teeth with nominal width H075 and H200 is up to 36.

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



Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)
Code	Teeth		Shape A P N Shape B P N
EAL01-H075	14	A	12-30 12-29 12-29 12-25
EAL21-H100	15	B	12-34 12-30 12-33 12-29
EAL01-H075-16-A-N-d20	16		12-40 12-35 12-36 12-30



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



Delivery
4

① Aluminum Alloy



Delivery
11

① S45C