

S8M Type

Pitch 8.0

High Torque Timing Pulleys



S8M150	S8M250	S8M300	S8M400	Pitch	Material		Surface Treatment
Belt Width 15	Belt Width 25	Belt Width 30	Belt Width 40		Pulley	Flange	
EBL01	EBL21	EBL41	EBL61	8.0	Aluminum Alloy		Clear Anodize
EBL12	EBL32	EBL52	EBL72		S45C	SPCC	Black Oxide

Tap Hole Dimensions (Shaft Bore: P / N)

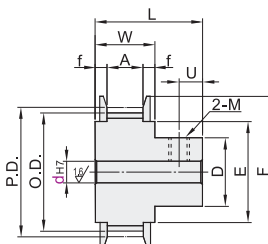
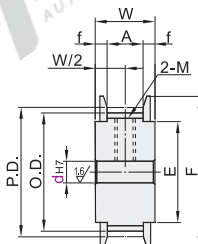
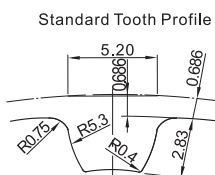
Shaft Bore Inner Dia. dH7	M (Coarse)	Accessories Set Screw
12	M4	M4×3
12.7~17	M5	M5×4
18~30	M6	M6×5
31~45	M8	M8×6
46~65	M10	M10×8



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

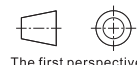
Pulley Shape
Shape A

Pulley Shape
Shape B



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

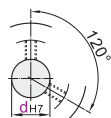
① When the pulley shape is B shape, $U = (L - W) / 2$. When U ≠ integer, round down.



Shaft Bore Spec.

P Round Hole + Tap

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
(Aluminum Alloy) EBL01-S8M150 EBL21-S8M250 EBL41-S8M300 EBL61-S8M400	18			12~26	12~24	12~22	12~20	45.84	44.46	32	52	36	Belt Width 15 S8M150 A:17 W:22 L:37(42)★		
	19			12~28	12~26	12~25	12~20	48.38	47.01	35	55	40			
	20			12~30	12~29	12~26	12~22	50.93	49.56	36	58				
	21			12~32	12~29	12~30	12~24	53.48	52.10	40	61	45			
	22			12~34	12~32	12~30	12~25	56.02	54.65	41			Belt Width 25 S8M250 A:28 W:33 L:48(53)★		
	24			12~40	12~37	12~34	12~28	61.12	59.74	46	67	50			
	25			12~40	12~40	12~36	12~28	63.66	62.29	48	70	56			
	26			14~45	14~41	14~39	14~31	66.21	64.84	51	74	58			
	28			14~48	14~43	14~43	14~35	71.30	69.93	55	80	60	Belt Width 30 S8M300 A:33 W:38 L:53(58)★		
	30	A	P	14~50	14~47	14~46	14~38	76.39	75.02	60	87	67			
32	B	N	14~55	14~50	14~49	14~45	81.49	80.12	63						
(S45C) EBL12-S8M150 EBL32-S8M250 EBL52-S8M300 EBL72-S8M400	34			16~60	16~50	16~56	16~48	86.58	85.21	70	95	75	Belt Width 40 S8M400 A:44 W:49 L:64(69)★		
	36			16~65	16~50	16~61	16~50	91.67	90.30	75	99	80			
	38			16~65	16~50	16~65	16~50	96.77	95.39	80	104	84			
	40			20~65	20~50	20~65	20~50	101.86	100.49	85	111	90			
	44			20~65	20~50	20~65	20~50	112.05	110.67	90	119	100			
	48			20~65	20~50	20~65	20~50	122.23	120.86		127	105			
	50			20~65	20~50	20~65	20~50	127.32	125.95	100	135	115			
	60			20~65	20~50	20~65	20~50	152.79	151.42	100	160	140			
72			20~65	20~50	20~65	20~50	183.35	181.97		190	170				

① 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)

★ L Dimensions in () are for 44~72 toothed pulleys.

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



Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. dH7 (1mm Increment)
Code	Teeth		
EBL41-S8M300	30	A	P
EBL61-S8M400	32	B	N

EBL61-S8M400 - 30 - A - N - d20



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



① Aluminum Alloy

① S45C