

S3M Type ▶ Pitch 3.0

High Torque Timing Pulleys



S3M060	S3M100	S3M150	Pitch	Material		Surface Treatment
Belt Width 6	Belt Width 10	Belt Width 15	3.0	Pulley	Flange	
EBF01	EBF21	EBF41		Aluminum Alloy		Clear Anodize
EBF12	EBF32	EBF52		S45C	SPCC	Black Oxide

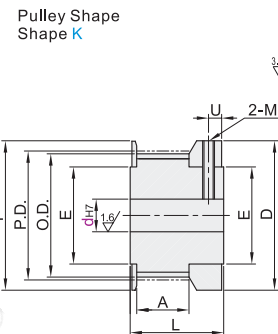
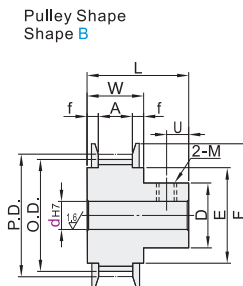
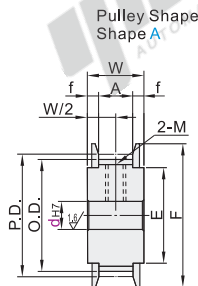
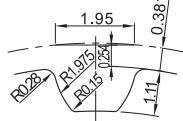
■ Tapped Hole Dimensions (Shaft Bore: P / N)

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
4~5	M3	M3×3
6~17	M4	M4×3
18~33	M5	M5×4
34~42	M6	M6×5



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

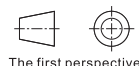
Standard Tooth Profile



3/2

① $f = (W - A) / 2$

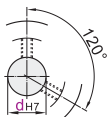
② When the pulley shape is B shape, $U = (L - W) / 2$; When the pulley shape is K shape, $U = (L - A - 2.5) / 2$. When U ≠ integer, round down.



The first perspective

■ Shaft Bore Spec.

P Round Hole + Tap



N New JIS Keywayed Bore + Tap



① For Keyway Dimension Details, refer to the pulley 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-K							A	W	L
				P	N	P	N								
(Aluminum Alloy)	14					4-5-6		13.37	12.61	16	16	10	Belt Width 6 S3M060 A:7 W:11 L:19		
	15			—		4-5-6		14.32	13.56	18	18	11			
	16	A				4-7		15.28	14.52						
	18			4-5		4-8		17.19	16.43	20	20	13			
	19	K		4-5-6	—	4-8	—	18.14	17.38	22	22	14			
	20			4-5-6		4-8		19.10	18.34						
	22			4-8		4-10		21.01	20.25	25		16			
	24			4-10		4-8		22.92	22.16	14	25				
	25			4-11	8-10-11	4-10	8	23.87	23.11						
	26		P	5-11	8-10-11	5-10	8	24.83	24.07						
(S45C)	28			5-13	8-13	5-10	8	26.74	25.98	18	30	20	Belt Width 10 S3M100 A:11 W:15 L:23		
	30		N	6-14	8-14	6-12	8-11	28.65	27.89						
	32			6-16	8-16	6-12	8-11	30.56	29.80						
	34			6-18	8-17	6-18	8-13	32.47	31.71						
	36		B	6-18	8-17	6-18	8-13	34.38	33.62	26	40	28			
	40			8-23	8-20	8-21	8-16	38.20	37.44	30	44	32			
	44			8-25	8-24	8-23	8-18	42.02	41.25	32	48	36			
	48			8-25	8-25	8-25	8-20	45.84	45.07		50	38			
	50			8-28	8-28	8-25	8-20	47.75	46.98	34	52	40			
	60			8-33	8-33	8-30	8-22	57.30	56.53	39	61	45			
	72			8-42	8-40	8-38	—	68.75	67.99	50	74	58			

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

① Shaft bore specification P is not selectable for A Shape with 22 or less teeth and nominal width 060.

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)

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



Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)			
				Shape A	Shape B-K	Shape A	Shape B-K
Code	Teeth			P	N	P	N
EBF32-S3M100	32	A	P	6-16	6-36	6-12	8-11
EBF52-S3M150	34	B	N	6-18	8-17	6-18	8-13

EBF52-S3M150 - 32 - A - N - d16



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



① Aluminum Alloy



① S45C