

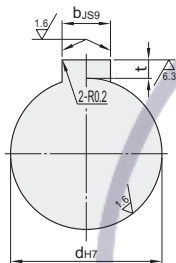
Timing Pulleys Product introduction

The synchronous wheel belongs to the hub type parts, generally the relative size is relatively large, and the manufacturing process is generally based on casting and forging. Generally, the larger size is designed by casting method, and the material is generally cast iron (with better casting performance), rarely cast steel (with poor casting performance); generally, the smaller size can be designed as forging, and the material is steel. The selection of various indexes and materials of synchronous wheel is based on the principle of minimizing raw materials, feasible technology and lowest cost on the premise of meeting the use requirements! The synchronous wheel is mainly used for long-distance power transmission occasions, such as small diesel engine power output, agricultural vehicles, tractors, automobiles, mining machinery, mechanical processing equipment, textile machinery, packaging machinery, lathes, forging machines, some small horsepower motorcycle power transmission, agricultural machinery power transmission, air compressors, reducers, reducers, generators, ginners and so on.

Product characteristics

- ① accurate transmission, no sliding during operation, and constant transmission ratio.
- ② the transmission is stable, with buffering and shock absorption capacity and low noise.
- ③ the transmission efficiency is high, up to 0.98, and the energy saving effect is obvious.
- ④ the maintenance is convenient, does not need lubrication, and the maintenance cost is low.
- ⑤ the speed ratio range is large, generally up to 10, linear speed up to 50 m / s, with a large power transmission range, up to several watts to several hundred watts.
- ⑥ it can be used for long-distance transmission with a center distance of more than 10m.
- ⑦ it is allowed to work in the place where there is no pollution and the working environment is relatively poor.

Keyway Dimensions



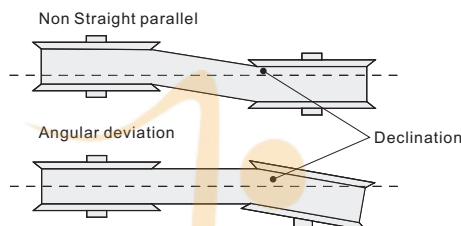
N: New JIS (B1301) Keyway Dimensions

Nominal	dH7	bJS9	t Tolerance			
N-d8	8	+0.015 0	3	±0.0125	1.4	
N-d10	10		4		1.8	
N-d10K	10	+0.018 0	5	±0.015	2.3	+0.1 0
N-d11	11					
N-d12	12					
N-d13	13					
N-d14	14	+0.021 0	6		2.8	
N-d15	15					
N-d16	16					
N-d17	17					
N-d18	18	+0.021 0	8			
N-d19	19					
N-d20	20					
N-d21	21					
N-d22	22	+0.025 0	10	±0.018	3.3	
N-d23	23					
N-d24	24					
N-d25	25					
N-d26	26	+0.025 0	12	±0.021	3.3	
N-d27	27					
N-d28	28					
N-d29	29					
N-d30	30	+0.025 0	14		3.8	
N-d31	31					
N-d32	32					
N-d33	33					
N-d34	34	+0.025 0	16	±0.021	3.8	
N-d35	35					
N-d36	36					
N-d37	37					
N-d38	38	+0.025 0	18			
N-d39	39					
N-d40	40					
N-d41	41					
N-d42	42	+0.025 0	20	±0.021		
N-d43	43					
N-d44	44					
N-d45	45					
N-d46	46	+0.025 0	22			
N-d47	47					
N-d48	48					
N-d49	49					
N-d50	50	+0.025 0	24			

Correct installation with belt drive

- Turn off the power, remove the protective cover, and loosen the mounting bolts of the motor. Move the motor to make the motor belt loose enough. You can remove the belt without prying open. Never pry the belt down.
- Remove the old belt and check for abnormal wear. Excessive wear can mean problems with the design or maintenance of the transmission.
- Choose a suitable belt to replace.
- To clean the belt and pulley, wipe the cloth with a little non-volatile liquid, soak it in detergent or brush the belt with detergent. To remove oil and dirt, wipe with sandpaper or use Sharp objects are obviously not desirable. The belt must be kept dry before installation and use.
- Check the pulley for abnormal wear or cracks. If the wear is excessive, the pulley must be replaced.
- Check if the pulley is linearly symmetric. It is essential that the pulleys run in a straight line symmetrical to the belt, especially the timing belt (see Figure 1).

(Picture 1) Asymmetric pulley



- Check the remaining transmission components, such as the symmetry, durability and lubrication of bearings and shaft sleeves.
- Install a new belt on the pulley, never pry or force too hard.
- Adjust the center distance of the transmission device until the belt tensioner detects that the belt tension is appropriate. Turn the driving wheel by hand to re-measure the tension.
- Tighten the motor mounting bolts to correct the torque. Since any change in center distance of the transmission during operation can cause poor belt performance, it is important to ensure that all transmission components are tightened.
- Start the device and observe the belt performance, check for abnormal vibration, and listen for abnormal noise. It is best to turn off the machine and check the condition of the bearings and motors; if it feels too hot, it may be The belt is too tight, or the bearings are asymmetric, or the lubrication is incorrect.

Maintenance of timing belts and timing wheels

- The transmission belt should not be twisted or bent sharply.
- During storage and transportation, avoid direct sunlight, rain and snow; prevent contact with acids, halogens, organic solvents, water vapor and other substances that affect product performance.
- Store at normal temperature, the general temperature is -20 ~ 50 °C; and at least one meter away from the heat source.
- During storage, prevent excessive weight from being deformed. Do not fold and stack. Do not place the belt directly on the ground. Hang the belt on the shelf or place it flat on the shelf.
- Finished products should be stored and transported in a dry and ventilated environment. Finished products should be rust-proofed.
- The belt drive should be equipped with a protective cover and ensure ventilation and drainage.

Features

- Keyless bushing connection is to place an inner and outer taper connection sleeve between the shaft and the hub. Under the action of high-strength bolt pre-tightening, the inner ring shrinks and the outer ring expands, making Ring and shaft, outer ring It fits tightly to the hub and generates enough friction to transmit torque, axial force, or a combined load of both.
- The keyless bushing has a simple connection principle, reliable performance, convenient processing, installation and disassembly operations, and is easy to learn. Practice has proved that it is a reliable and effective connection method.

Installation steps

- Clean the extended end of the spindle and the inner hole of the keyless bushing with a fine gauze cloth and cotton yarn, check the dimensions of each part, and then clean it with gasoline or carbon tetrachloride. After cleaning, the surface of the spindle and the keyless bush contact. Apply a thin layer of lubricating oil evenly on the threaded surface and bearing surface of the screw;
- When assembling, loosen the screw keyless timing wheel keyless bushing, fit the inside of the keyless bushing to the main shaft, and slowly install it in place. During the installation, pay attention to maintaining the gap between the main shaft and the main shaft;
- After positioning, tighten the screws by hand, and then use a constant torque wrench to tighten them evenly at different diagonals and crosses to tighten.

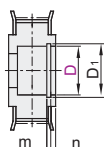
Precautions

- When installing, apply lubricating oil to the main shaft surface, Keyless Bushings contact surface, screw thread surface, and bearing surface. Otherwise, it cannot be tightened, which will cause the spindle to idle;
- Tighten the screws before insertion, which will cause Keyless Bushings to deform;
- After inserting the keyless bushings into the shaft, tighten them evenly according to different diagonals and crosses.

Disassembly steps

- Please disassemble while the parts are stationary;
- Loosen the fastening screws evenly at different diagonals and crosses.

Retaining Ring Groove Size



D _{H7}	D ₁	m	n (Min)	D _{H7}	D ₁	m	n (Min)	D _{H7}	D ₁	m	n (Min)
10	10.4			21	22	1.15		40	42.5		
11	11.4			22	23			42	44.5	+0.25	1.9
12	12.5			24	25.2	+0.21		45	47.5		
13	13.6			25	26.2			47	49.5		
14	14.6	+0.11		26	27.2		1.5	52	55		2.0
15	15.7		+0.14	28	29.4	1.35	+0.14	55	58		
16	16.8	1.15		30	31.4			60	63	+0.30	2.2
17	17.8			32	33.7			62	65		
19	20			35	37	+0.25		68	71		
20	21	+0.21		37	39	1.65	2.0	72	75		2.5
								80	83.5	+0.35	

Timing Pulleys

MXL Type Pitch 2.032

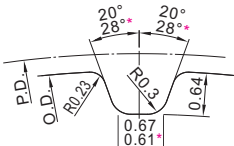
MXL019	MXL025	MXL037	MXL050	Pitch	Material		Surface Treatment
Belt Width 4.8 (3/16 Inch)	Belt Width 6.4 (1/4 Inch)	Belt Width 9.5 (3/8 Inch)	Belt Width 12.7 (1/2 Inch)		Pulley	Flange	
EAC01	EAC11	EAC31	EAC51	2.032	Aluminum Alloy		Clear Anodize
—	EAC22	EAC42	—		S45C	SPCC	Black Oxide

Tap Hole Dimensions (Shaft Bore: P / N)

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
3~5	M3	M3×3
6~18	M4	M4×3
19~21	M5	M5×4

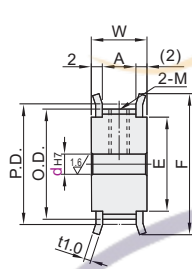


Tooth Profile
(ISO Standard Rack Dimensions)

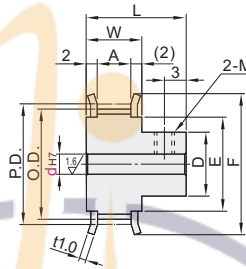


① The size with * is suitable for the number of teeth below 23.

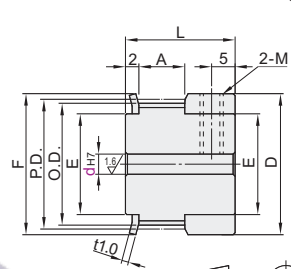
Pulley Shape
Shape A



Pulley Shape
Shape B



Pulley Shape
Shape K

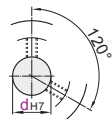


3/2



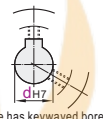
Shaft Bore Spec.

P Round Hole + Tap



① Not available for A Shape.

N New JIS Keywayed Bore + Tap



① A Shape has keywayed bores only, not tapped holes.
② 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-K						A	W	L
				N	P	N								
(Aluminum Alloy) EAC01-MXL019 EAC11-MXL025 EAC31-MXL037 EAC51-MXL050	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			
	25				3-7		16.17	15.66		20	13			
	26	P			3-8		16.82	16.31		22	14	Belt Width 12.7 MXL050 A:14 W:18 L:25		
	27				4-8		17.46	16.96	12	22	14			
	28				4-8		18.11	17.60		22	14			
	30				4-8		19.40	18.90		26	16			
(S45C) EAC22-MXL025 EAC42-MXL037	32	A			8	4-8	20.70	20.19	14	26	16			
	34				8	4-8	21.99	21.48		25	16			
	36				8-11	5-10	23.29	22.78	16	28	18			
	38				8-11	5-10	24.58	24.07		28	18			
	40	B			8-13	5-10	25.87	25.36	18	30	20			
	42				8-13	5-10	27.17	26.66		30	20			
	44				8-16	5-12	28.46	27.95		32	23			
	46				8-16	5-12	29.75	29.24	20	32	23			
	48				8-18	5-13	31.05	30.54		35	25			
	50				8-18	5-13	32.34	31.84	22	35	25			
	60				8-25	5-20	38.81	38.30	28	44	32			
	72				8-35	5-21	46.57	46.06	30	52	40			

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

② 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)



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)		
Code	Teeth			N	P	N
EAC01-MXL019	50	A	P	8-18	5-13	6-13
EAC11-MXL025	60	B	N	8-25	5-20	8-16

EAC01-MXL019 - 50 - B - N - d12



Discount price	
Per	1~4
Price	100%
	Additional quotation



Delivery	
	8

① Aluminum Alloy

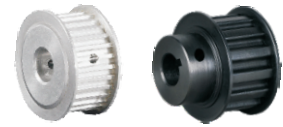


Delivery	
	15

① S45C

XL Type ▶ Pitch 5.08

Timing Pulleys

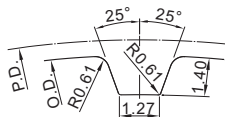


XL025	XL031	XL037	XL050	Pitch	Material		Surface Treatment
Belt Width 6.4 (1/4 Inch)	Belt Width 7.9 (5/16 Inch)	Belt Width 9.5 (3/8 Inch)	Belt Width 12.7 (1/2 Inch)		Pulley	Flange	
EAFO1	EAFO1	EAFO1	EAFO1	5.08	Aluminum Alloy		Clear Anodize
EAFO12	—	EAFO12	EAFO12		S45C	SPCC	Black Oxide

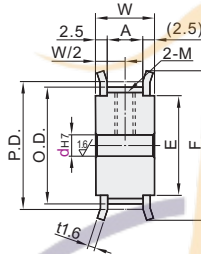
■ Tapped Hole Dimensions (Shaft Bore: P / N)

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
4	M3	M3×3
5~12	M4	M4×3
13~17	M5	M5×4
18~30	M6	M6×5

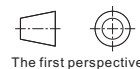
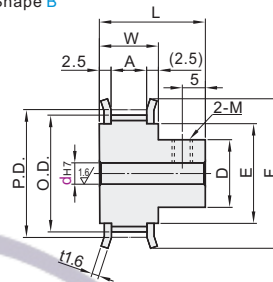
Tooth Profile (ISO Standard Rack Dimensions)



Pulley Shape Shape A



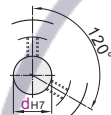
Pulley Shape Shape B



The first perspective

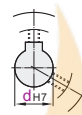
■ Shaft Bore Spec.

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 A Shape with 15 or less teeth and nominal width XL025 has keywayed bores only, not tapped holes.

② For Keyway Dimension Details, refer to the Timing Pulleys product introduction.

③ 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
(Aluminum Alloy)	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		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			
	16			6~13	8~13	6~10	8~10	25.87	25.36		32	20			
	18			6~15	8~15	6~13	8~13	29.11	28.60	21	36	24			
	19			6~15	8~15	6~15	8~13	30.72	30.22		36	24			
	20			8~16	8~16	8~15	8~15	32.34	31.83	24	40	27			
	21			8~18	8~18	8~16	8~16	33.96	33.45		40	27			
(S45C)	22			8~20	8~20	8~18	8~18	35.57	35.07	26	45	30	Belt Width 7.9 XL031 A:9 W:14 L:23		
	24			8~22	8~22	8~18	8~18	38.81	38.30		45	30			
	25			8~22	8~22	8~19	8~19	40.43	39.92	30	48	35			
	26	A	P	8~23	8~23	8~20	8~20	42.01	41.53		48	35			
	28	B	N	8~26	8~25	8~25	8~20	45.28	44.77	35	55	40	Belt Width 9.5 XL037 A:11 W:16 L:25		
	30			10~30	10~30	10~25	10~20	48.51	48.00		55	40			
	32			10~30	10~30	10~30	10~25	51.74	51.24		61	45			
	34			10~30	10~30	10~30	10~25	54.98	54.47		61	45			
	36			10~30	10~30	10~30	10~25	58.21	57.70		67	50			
	38			10~30	10~30	10~30	10~25	61.45	60.94		67	50			
	40			10~30	10~30	10~30	10~25	64.68	64.17	40	74	58	Belt Width 12.7 XL050 A:14 W:19 L:28		
	42			10~30	10~30	10~30	10~25	67.91	67.41		74	58			
	44			10~30	10~30	10~30	10~25	71.15	70.64		80	60			
	46			10~30	10~30	10~30	10~25	74.38	73.87		80	60			
48			10~30	10~30	10~30	10~25	77.62	77.11		87	67				
50			10~30	10~30	10~30	10~25	80.85	80.34		87	67				
60			10~30	10~30	10~30	10~25	97.01	96.51		104	84				
72			10~30	10~30	10~30	10~25	116.43	115.92		123	102				

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

② Shaft Bore Dia. 6.35 is selectable for Shaft Bore specifications P.

③ 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)



Please order as shown

Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)
Code	Teeth	Shape A	Shape B
EAFO1-XL025	36	P	N
EAFO1-XL031	36	B	N
EAFO1-XL037	36	N	N
EAFO1-XL050	36	N	N

EAFO1-XL025 — 38 — A — N — d20



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



Delivery
8

① Aluminum Alloy



Delivery
15

① S45C

Timing Pulleys

L Type Pitch 9.525

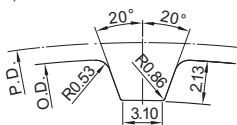


L050	L075	L100	L150	Pitch	Material		Surface Treatment
Belt Width 12.7 (1/2 Inch)	Belt Width 19.1 (3/4 Inch)	Belt Width 25.4 (1 Inch)	Belt Width 38.1 (1.5 Inch)	9.525	Pulley	Flange	
EAJ01	EAJ21	EAJ41	EAJ61		Aluminum Alloy		Clear Anodize
EAJ12	EAJ32	EAJ52	EAJ72		S45C	SPCC	Black Oxide

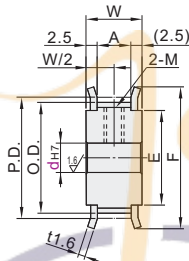
Tap Hole Dimensions (Shaft Bore: P / N)

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

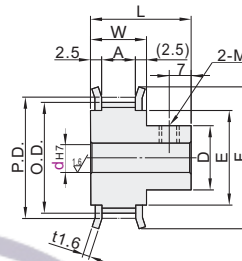
Tooth Profile (ISO Standard Rack Dimensions)



Pulley Shape Shape A



Pulley Shape Shape B



① t=2.0 for 60 and 72 toothed pulleys (Cut Flange).

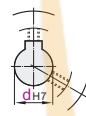


Shaft Bore Spec.

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. ^{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) EAJ01-L050 EAJ21-L075 EAJ41-L100 EAJ61-L150	12	A	P	8~18	8~18	8~18	8~18	36.38	35.62	27	45	30	Belt Width 12.7 L050 A:14 W:19 L:31(39) ★			
	14			8~21	8~21	8~20	8~20	42.45	41.68	30	48	35				
	15			8~23	8~23	8~20	8~20	45.48	44.72	32	48	35				
	16			10~26	10~23	10~22	10~22	48.51	47.75	32	55	40				
	17			10~26	10~26	10~24	10~23	51.54	50.78	34	55	40	Belt Width 19.1 L075 A:21 W:26 L:38(46) ★			
	18			10~29	10~29	10~26	10~23	54.57	53.81	36	61	45				
	19			12~34	12~30	12~28	12~25	57.61	56.84	38	67	50				
	20			12~34	12~30	12~30	12~26	60.64	59.88	40	67	50				
	21			12~40	12~32	12~30	12~26	63.67	62.91	42	70	56	Belt Width 25.4 L100 A:27 W:32 L:44(53) ★			
	22			12~42	12~34	12~33	12~30	66.70	65.94	45	80	60				
	24			12~49	12~41	12~38	12~30	72.77	72.00	50	87	67				
	25			12~49	12~41	12~38	12~30	75.80	75.04	50	87	67				
	26			12~49	12~41	12~38	12~30	78.83	78.07	50	87	67				
	(S45C) EAJ12-L050 EAJ32-L075 EAJ52-L100 EAJ72-L150	28	B	N	12~57	12~49	12~38	12~30	84.89	84.13	56	95	75	Belt Width 38.1 L150 A:40 W:45 L:57		
		30			12~62	12~50	12~42	12~34	90.96	90.20	56	99	80			
		32			14~65	14~50	14~42	14~34	97.02	96.26	63	104	84			
		34			14~65	14~50	14~49	14~41	103.08	102.32	63	111	90			
		36			16~65	16~50	16~49	16~41	109.15	108.39	71	123	102	★ L dimensions in () are for 60 or 72 toothed pulleys.		
		38			16~65	16~50	16~49	16~41	115.21	114.45	71	127	105			
		40			16~65	16~50	16~49	16~41	121.28	120.51	71	131	110			
		42			16~65	16~50	16~57	16~49	127.34	126.58	71	135	115			
		44			16~65	16~50	16~57	16~49	133.40	132.64	71	140	120			
		46			16~65	16~50	16~57	16~49	139.47	138.71	71	144	125			
		48			16~65	16~50	16~57	16~49	145.53	144.77	71	152	130			
		50			16~65	16~50	16~57	16~49	151.6	150.83	71	160	140			
EAJ12-L050 EAJ32-L075 EAJ52-L100 EAJ72-L150		60	A		16~65	16~50	16~57	16~49	181.91	181.15		190	160			
		72	D		16~65	16~50	16~57	16~49	218.3	217.53		225	194			

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

① Select N-d10K when New JIS Keyway 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 Available number of teeth with nominal width L150 is up to 50.



Please order
as shown

Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. dH7 (1mm Increment)			
Code	Teeth		Shape A	Shape B	P	N
EAJ01-L050	12	A	P		16~65	16~50
EAJ21-L075	15	B	N		16~57	16~59
EAJ21-L075 - 46 - A - N - d40						



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



Delivery	8
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① Aluminum Alloy



Delivery	15
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① S45C

H Type ▶ Pitch 12.7

Timing Pulleys

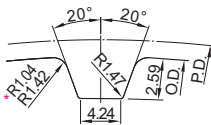


H075	H100	H150	H200	Pitch	Material		Surface Treatment
Belt Width 19.1 (3/4 Inch)	Belt Width 25.4 (1 Inch)	Belt Width 38.1 (1.5 Inch)	Belt Width 50.8 (2 Inch)		Pulley	Flange	
EAL01	EAL21	EAL41	EAL61	12.7	Aluminum Alloy		Clear Anodize
EAL12	EAL32	EAL52	EAL72		S45C	SPCC	Black Oxide

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

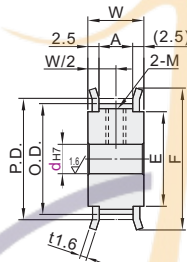
Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
12	M4	M4×3
12.7~17	M5	M5×4
18~30	M6	M6×5
31~45	M8	M8×6
47~65	M10	M10×8

Tooth Profile (ISO Standard Rack Dimensions)

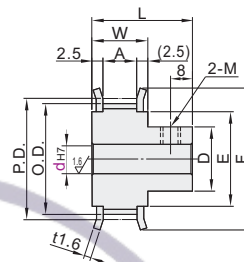


① The R size with * is suitable for the number of teeth below 19.

Pulley Shape Shape A



Pulley Shape Shape B

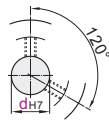


① t=2.0 for 40~50 toothed pulleys. (Cut Flange)

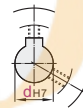


■ Shaft Bore Spec.

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.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	A	P	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		
	19			14-49	14-47	14-38	14-35	76.81	75.44		87	67			
	20			14-50	14-50	14-46	14-38	80.85	79.48		87	67			
	21			14-57	14-50	14-46	14-38	84.89	83.52	58	95	75			
	22			14-57	14-50	14-46	14-38	88.94	87.56		95	75			
	24			B		16-65	16-50	16-46	16-38	97.01	95.65			104	84
(S45C)	25	N	P	16-65	16-50	16-49	16-41	101.06	99.69		111	90	Belt Width 38.1 H150 A:40 W:45 L:60(38~L:65) 72 =L:70		
	26			20-65	20-50	20-49	20-41	105.11	103.73	63	111	90			
	28			20-65	20-50	20-49	20-41	113.19	111.82		123	102			
	30			20-65	20-50	20-49	20-41	121.28	119.90		127	105			
	32			20-65	20-50	20-49	20-43	129.36	127.99		135	115	Belt Width 50.8 H200 A:54 W:59 L:74		
	34			20-65	20-50	20-57	20-49	137.45	136.07	71	144	125			
	36			20-65	20-50	20-57	20-49	145.53	144.16		152	130			
	38			20-65	20-50	20-57	20-49	153.62	152.24		165	140			
	40			20-65	20-50	20-57	20-49	161.70	160.33		170	150			
	42			20-65	20-50	20-57	20-49	169.79	168.41	88	180	155			
(S45C)	44	A	P	20-65	20-50	20-57	20-49	177.87	176.50		190	170			
	48			20-65	20-50	20-57	20-49	194.04	192.67		205	180			
	50			20-65	20-50	20-57	20-49	202.13	200.76		210	185			

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



Please order as shown

Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)
Code	Teeth		Shape A Shape B
EAL01-H075	14	(A)	(P)
EAL21-H100	15	(B)	(N)
EAL01-H075 - 16 - A - N - d20	16	(A)	(N)



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



① Aluminum Alloy



① S45C

Timing Pulleys

T5 Type Pitch 5.0



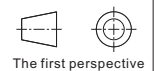
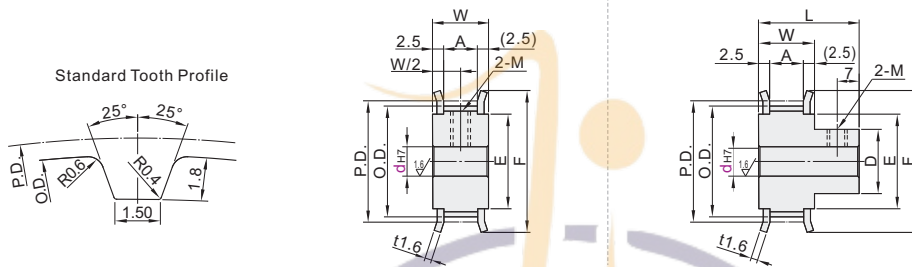
T5100	T5150	T5200	T5250	Pitch	Material		Surface Treatment
Belt Width 10	Belt Width 15	Belt Width 20	Belt Width 25		Pulley	Flange	
EAP01	EAP21	EAP41	EAP61	5.0	Aluminum Alloy		Clear Anodize
EAP12	EAP32	EAP52	EAP72		S45C	SPCC	Black Oxide

Tap Hole Dimensions (Shaft Bore: P / N)

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
5	M3	M3×3
6~12	M4	M4×3
12.7~17	M5	M5×4
18~30	M6	M6×5
31~45	M8	M8×6

Pulley Shape
Shape A

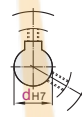
Pulley Shape
Shape B



Shaft Bore Spec.

P Round Hole + Tap

N New JIS Keywayed Bore + Tap



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							A	W	L
				P	N	P	N								
(Aluminum Alloy) EAP01-T5100 EAP21-T5150 EAP41-T5200 EAP61-T5250	12	A		6~8	8	—		19.10	18.25	—	24	12	Belt Width 10 T5100 A:11 W:16 L:28		
	14			6~10	8~10	6~8	—	22.28	21.45	14	26	16			
	15			6~10	8~10	6~8		23.87	23.05	15	28	18			
	16			7~12	8~12	7~10	8	25.46	24.60	17	32	20			
	18			7~12	8~12	7~11	8~10	28.65	27.80		33	22	Belt Width 15 T5150 A:17 W:22 L:34		
	20			7~16	8~16	7~12	8~10	31.83	31.00	19	36	24			
	22			7~18	8~18	7~15	8~12	35.01	34.25	24	40	27			
	24			7~20	8~20	7~17	8~13	38.20	37.40		45	30			
	25			7~20	8~20	7~18	8~15	39.79	39.00	27	45	30			
	26	A	P	8~22	8~22	8~21	8~17	41.38	40.60	31	48	35			Belt Width 20 T5200 A:22 W:27 L:39
28		N	8~24	8~24	8~22	8~18	44.56	43.75	32	48	35				
30	B		10~26	10~26	10~23	10~18	47.75	46.95	33	52	36				
32			10~28	10~28	10~27	10~22	50.93	50.10	37	55	40				
34			10~30	10~30	10~30	10~25	54.11	53.25	40	61	45				
36			10~30	10~30	10~30	10~25	57.30	56.45	40	61	45	Belt Width 25 T5250 A:27 W:32 L:44			
40			10~38	10~38	10~37	10~29	63.66	62.85	47	67	50				
44			12~42	12~40	12~40	12~32	70.03	69.20	50	74	58				
48			12~45	12~40	12~45	12~40	76.39	75.55	60	83	63				
50			12~45	12~43	12~45	12~43	79.58	78.75	63	87	67				
60			12~45	12~45	12~45	12~45	95.49	94.65	75	99	80				

Shaft Bore Dia. 9 are not available for Shaft Bore specification N. Shaft Bore Dia. 6.35 is selectable for Shaft Bore specifications P. 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)



Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)
Code	Teeth		
EAP12-T5100	48	A	P
EAP21-T5150	50	B	N
EAP72-T5250	60	B	N

EAP72-T5250-60-A-N-d20



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



Delivery
8

Aluminum Alloy



Delivery
15

S45C

T10 Type ▶

Pitch 10.0

Timing Pulleys

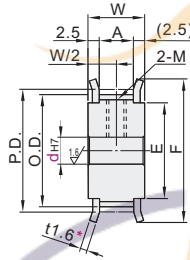


T10150	T10200	T10250	T10300	T10400	T10500	Pitch	Material		Surface Treatment
Belt Width 15	Belt Width 20	Belt Width 25	Belt Width 30	Belt Width 40	Belt Width 50		Pulley	Flange	
EAR01	EAR15	EAR29	EAR43	EAR57	EAR71	10.0	Aluminum Alloy		Clear Anodize
EAR09	EAR23	EAR37	EAR51	EAR65	EAR79		S45C	SPCC	Black Oxide

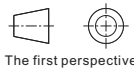
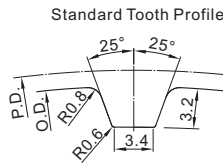
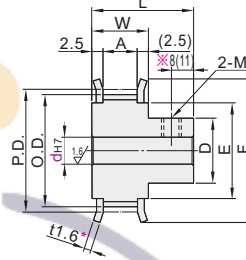
■ Tapped Hole Dimensions (Shaft Bore: P / N)

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

Pulley Shape
Shape A



Pulley Shape
Shape B



* t=2.0 for 60 toothed pulleys. (Cut Flange)

※ 11 for T10250、T10300、T10400 with 44~60 teeth.
(L-W)/2 for T10400 and T10500.

■ 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)	12	A		12~18	12~18	—	—	38.20	36.35	—	40	27	Belt Width 15		
	14			12~26	12~26	12~22	12~20	44.56	42.70	32	48	35	T10150		
	15			12~26	12~26	12~23	12~20	47.75	45.90	33	52	36	A:17		
	16			12~30	12~30	12~27	12~22	50.93	49.05	37	58	40	W:22		
	18			12~30	12~30	12~30	12~25	57.30	55.45	40	61	45	L:37		
	20			12~40	12~40	12~35	12~29	63.66	61.80	47	67	50	Belt Width 20		
	22			14~48	14~48	14~38	14~32	70.03	68.15	50	80	60	T10200		
	24			14~50	14~50	14~46	14~40	76.39	74.55	60	87	67	A:22		
	25			14~50	14~50	14~49	14~43	79.58	77.70		87	67	W:27		
	26	A	P	14~50	14~50	14~49	14~43	82.76	80.90	63	87	67	L:42		
(S45C)	28	B	N	16~57	16~50	16~56	16~48	89.13	87.25	70	95	75	Belt Width 25		
	30			16~65	16~50	16~61	16~50	95.49	93.65	75	104	84	T10250		
	32			20~65	20~50	20~65	20~50	101.86	100.00	85	111	90	A:32		
	34			20~65	20~50	20~65	20~50	108.23	106.4	90	115	95	W:37		
	36			20~65	20~50	20~65	20~50	114.59	112.75	95	123	102	L:52(57)		
	40			20~65	20~50	20~65	20~50	127.32	125.45		135	115	Belt Width 40		
	44			20~65	20~50	20~65	20~50	140.06	138.20		152	130	T10400		
	48			20~65	20~50	20~65	20~50	152.79	150.95	100	160	140	A:43		
	50			20~65	20~50	20~65	20~50	159.15	157.3		170	150	W:48		
	60			20~65	20~50	20~65	20~50	190.99	189.1		200	180	L:61(63)★		

★ L dimensions in () are for 44~60 toothed pulleys.

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)



Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. dH7 (1mm Increment)
Code	Teeth		Shape A Shape B
EAR37-T10250	48	A	P
EAR51-T10300	50	B	N
EAR79-T10500	60		

EAR51-T10300 — 60 — A — N — d20



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



Delivery
8

① Aluminum Alloy



Delivery
15

① S45C

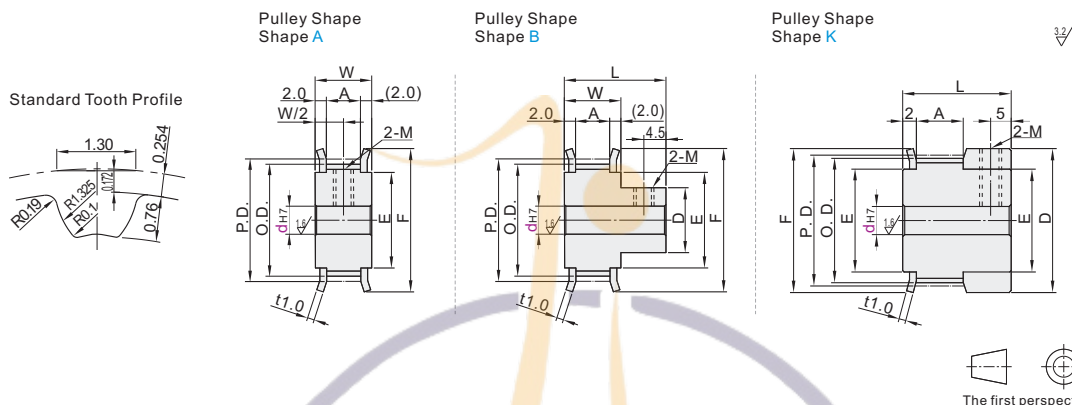
High Torque Timing Pulleys

◀ S2M Type
Pitch 2.0

S2M040	S2M060	S2M100	Pitch	Material		Surface Treatment
Belt Width 4	Belt Width 6	Belt Width 10		Pulley	Flange	
EBC01	EBC21	EBC41	2.0	Aluminum Alloy		Clear Anodize
EBC12	EBC32	EBC51		S45C	SPCC	Black Oxide

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

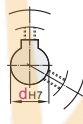
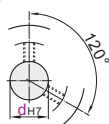
Shaft Bore Inner Dia. dH7	M (Coarse)	Accessories Set Screw
3~5	M3	M3×3
6~22	M4	M4×3



■ 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-K							A	W	L
(Aluminum Alloy) EBC01-S2M040 EBC21-S2M060 EBC41-S2M100	14	A	K			3-4		8.91	8.4	12	12	6	Belt Width 4 S2M040 A:5 W:9 L:17		
	15					3-4		9.55	9.04		12	6			
	16					3-4-5		10.19	9.68		14	8			
	18					3-4-5		11.46	10.95		14	8			
	20					3-6		12.73	12.22	16	16	10			
	22					3-6		14.01	13.5	18	18	11			
	23	K	P			3-6		14.64	14.13	18	18	11	Belt Width 6 S2M060 A:7 W:11 L:19		
	24					3-7		15.28	14.77	20	20	13			
	25					3-7		15.92	15.41	20	20	13			
	26					3-8		16.55	16.04		22	14			
	28					3-8		17.83	17.32	22	22	14			
	30					3-8		19.10	18.59		22	14			
(S45C) EBC12-S2M040 EBC32-S2M060 EBC51-S2M100	32	A	N	4~10	8	4-5-6		20.37	19.86	12	26	16	Belt Width 10 S2M100 A:11 W:15 L:23		
	34			4~10	8~10	4-8		21.65	21.14		26	16			
	36			4~10	8~10	4-8		22.92	22.41	14	28	18			
	40			4~12	8~12	4~10	8	25.46	24.96	18	30	20			
	44	B		5~13	8~13	5~12	8~11	28.01	27.5		32	23			
	48			5~15	8~15	5~12	8~11	30.56	30.05	20	35	25			
	50			5~16	8~16	5~12	8~11	31.83	31.32		35	25			
	60			5~22	8~22	5~22	8~16	38.20	37.69	30	44	32			
	72			5~24	8~22	5~24	—	45.84	45.33	34	50	38			

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

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)



Please order as shown

Part Number	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. dH7 (1mm Increment)			
Code	Teeth		Shape A	Shape B-K		
EBC01-S2M040	36	A	P	4~10	8~10	4-8
EBC21-S2M060	40	B	N	4~12	8~12	4-10

EBC01-S2M040 - 36 - A - N - d8



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



Delivery	8
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① Aluminum Alloy



Delivery	15
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① S45C

S3M Type ▶ Pitch 3.0

High Torque Timing Pulleys

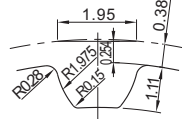


S3M060	S3M100	S3M150	Pitch	Material		Surface Treatment
Belt Width 6	Belt Width 10	Belt Width 15	3.0	Pulley	Flange	
EBF01	EBF21	EBF41		Aluminum Alloy		Clear Anodize
EBF12	EBF32	EBF52		S45C	SPCC	Black Oxide

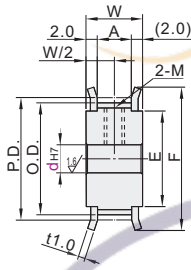
■ Tapped Hole Dimensions (Shaft Bore: P / N)

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

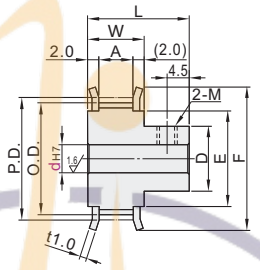
Standard Tooth Profile



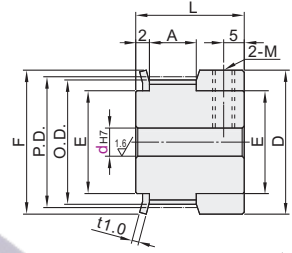
Pulley Shape
Shape A



Pulley Shape
Shape B

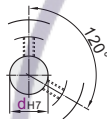


Pulley Shape
Shape K

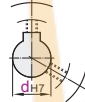


■ Shaft Bore Spec.

P Round Hole + Tap



N New JIS Keywayed Bore + Tap



For Keyway Dimension Details, refer to the pulley 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.d _{H7} (1mm Increment)				P.D.	O.D.	D	F	E	Type Nominal Width							
Code	Teeth			Shape A		Shape B-K							A	W	L					
(Aluminum Alloy)		A		P	N	P	N	13.37	12.61	16	16	10	Belt Width 6 S3M060 A:7 W:11 L:19							
	14					4-5-6		14.32	13.56	18	18	11								
	15					4-7		15.28	14.52	18	18	11								
	16					4-8		17.19	16.43	20	20	13								
	18					4-5-6		18.14	17.38	22	22	14								
			K		4-5-6		4-8		19.10	18.34	22	22				14	Belt Width 10 S3M100 A:11 W:15 L:23			
	19					4-8		21.01	20.25	25	25	16								
	20					4-10		22.92	22.16	14	26	16								
	22					4-11	8-10-11	4-10	8	23.87	23.11					28				18
	24					5-11	8-10-11	5-10	8	24.83	24.07	16				28				18
		P	N	5-13	8-13	5-10	8	26.74	25.98	18	30	20	Belt Width 15 S3M150 A:17 W:21 L:29							
25					6-14	8-14	6-12	8-11	28.65	27.89		32				23				
26					6-16	8-16	6-12	8-11	30.56	29.80	20	35				25				
28					6-18	8-18	6-18	8-13	32.47	31.71		40				28				
30					6-18	8-18	6-18	8-13	34.38	33.62	26	40				28				
		A		8-23	8-23	8-21	8-16	38.20	37.44	30	44	32								
32					8-25	8-25	8-23	8-18	42.02	41.25	32	48							36	
34					8-25	8-25	8-25	8-20	45.84	45.07		50							38	
36					8-28	8-28	8-25	8-20	47.75	46.98	34	52							40	
40					8-33	8-33	8-30	8-22	57.30	56.53	39	61							45	
		B		8-42	8-40	8-38	—	68.75	67.99	50	74	58								
44																				
48																				
				8-28	8-28	8-25	8-20	47.75	46.98											
				8-33	8-33	8-30	8-22	57.30	56.53	39	61	45								
				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.

② Shaft bore specification P is not selectable for A Shape with 22 or less teeth and nominal width 060.

③ 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)



Please order as shown

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

EBF52-S3M150 - 32 - A - N - d16



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



Delivery	
	8

① Aluminum Alloy



Delivery	
	15

② S45C

High Torque Timing Pulleys

◀ S5M Type
Pitch 5.0



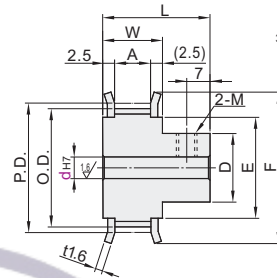
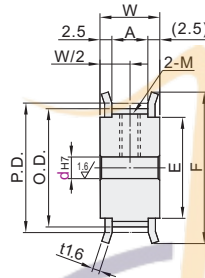
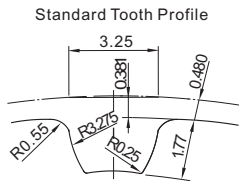
S5M100	S5M150	S5M250	Pitch	Material		Surface Treatment
Belt Width 10	Belt Width 15	Belt Width 25		Pulley	Flange	
EBJ01	EBJ21	EBJ41	5.0	Aluminum Alloy		Clear Anodize
EBJ12	EBJ32	EBJ52		S45C	SPCC	Black Oxide

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

Shaft Bore Inner Dia. d _{H7}	M (Coarse)	Accessories Set Screw
5	M3	M3×3
6~12	M4	M4×3
13~17	M5	M5×4
18~30	M6	M6×5
31~45	M8	M8×6
46~65	M10	M10×8

Pulley Shape
Shape A

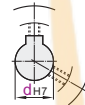
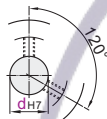
Pulley Shape
Shape B



■ 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) EBJ01-S5M100 EBJ21-S5M150 EBJ41-S5M250	14			6~10	8~10	6~8	—	22.28	21.32	14	26	16	Belt Width 10 S5M100 A:11 W:16 L:28		
	15			6~10	8~10	6~8	—	23.87	22.91	15	28	18			
	16			7~12	8~12	7~10	8	25.46	24.50	17	32	20			
	18			7~12	8~12	7~11	8~10	28.65	27.69		33	22			
	19			6~16	8~16	6~11	8~10	30.24	29.28	19	36	24	Belt Width 15 S5M150 A:17 W:22 L:34		
	20			7~16	8~16	7~11	8~10	31.83	30.87		36	24			
	22			7~18	8~18	7~15	8~12	35.01	34.05	24	40	27			
	24			7~20	8~20	7~17	8~13	38.20	37.24	27					
	25			7~20	8~20	7~17	8~15	39.79	38.83		45	30	Belt Width 25 S5M250 A:27 W:32 L:44		
	26	A	P	8~22	8~22	8~21	8~17	41.38	40.42	31	48	35			
28			8~24	8~24	8~22	8~18	44.56	43.60	32						
30	B	N	10~26	10~26	10~23	10~18	47.75	46.79	33	52	36				
(S45C) EBJ12-S5M100 EBJ32-S5M150 EBJ52-S5M250	32			10~28	10~28	10~27	10~22	50.93	49.97	37	55	40	Belt Width 25 S5M250 A:27 W:32 L:44		
	34			10~30	10~30	10~30	10~25	54.11	53.15						
	36			10~30	10~30	10~30	10~25	57.30	56.34	40	61	45			
	40			10~38	10~38	10~35	10~28	63.66	62.70	47	67	50			
	44			12~42	12~40	12~38	12~32	70.03	69.07	50	74	58			
	48			12~45	12~40	12~45	12~40	76.39	75.43	60	83	63			
	50			12~45	12~43	12~45	12~43	79.58	78.62	63	87	67			
	60			12~45	12~45	12~45	12~45	95.49	94.53	75	99	80			
	72			12~65	12~50	12~65	12~50	114.59	113.63	90	119	100			

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

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)



Part Number	Teeth	Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)			
Code				Shape A	Shape B	P	N
EBJ01-S5M100	36	A	P	10~30	10~30	10~30	10~25
EBJ21-S5M150	40	B	N	10~38	10~38	10~35	10~28

EBJ01-S5M100 - 36 - A - N - d20



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



Delivery	8
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① Aluminum Alloy



Delivery	15
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① S45C

S8M Type

Pitch 8.0

High Torque Timing Pulleys



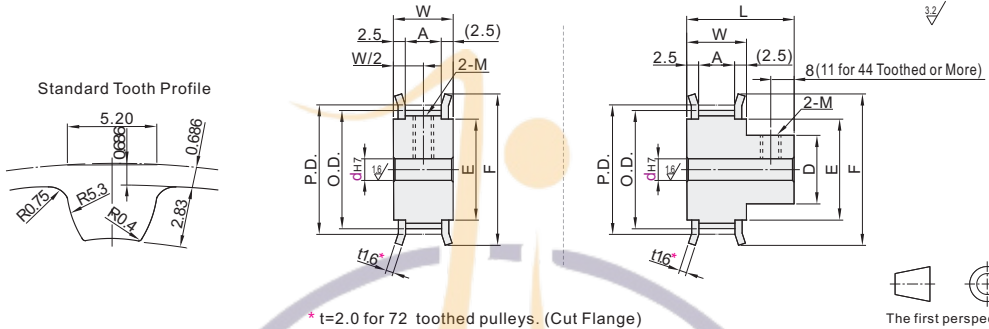
S8M150	S8M250	S8M300	S8M400	Pitch	Material		Surface Treatment
Belt Width 15	Belt Width 25	Belt Width 30	Belt Width 40		Pulley	Flange	
EBL01	EBL21	EBL41	EBL61	8.0	Aluminum Alloy		Clear Anodize
EBL12	EBL32	EBL52	EBL72		S45C	SPCC	Black Oxide

Tap Hole Dimensions (Shaft Bore: P / N)

Shaft Bore Inner Dia. d _{H7}	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

Pulley Shape
Shape A

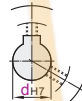
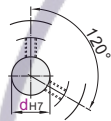
Pulley Shape
Shape B



Shaft Bore Spec.

P Round Hole + Tap

N New JIS Keywayed Bore + Tap



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

★ L Dimensions in () are for 44~60 toothed pulleys.

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)



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec.	Shaft Bore Spec. d _{H7} (1mm Increment)			
				Shape A	Shape B	Shape A	Shape B
EBL41-S8M300	30D	A	P	14~50	14~50	14~46	14~38
EBL61-S8M400	32	B	N	14~55	14~50	14~49	14~45

EBL61-S8M400 - 30 - A - N - d20



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery
8

1 Aluminum Alloy



Delivery
15

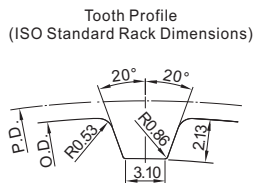
2 S45C

Keyless Timing Pulleys

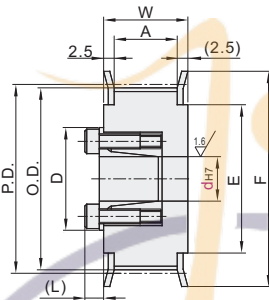
L Type (Pitch 9.525)

Keyless Bushing with Centering Function

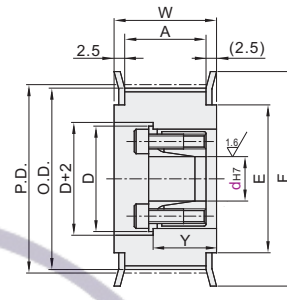
Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECB41	L050	12.7	9.525	A7075	Aluminum Alloy	S45C	Clear Anodize	—		EUX16
ECB46	L075	19.1								
ECB51	L100	25.4								
ECB56	L150	38.1								



Pulley Shape Shape E



Pulley Shape Shape F



32



Part Number		Pulley Shape	Shaft Bore Spec. ^{dH7} (Select Shaft Bore Dia. from bushing size table)								P.D.	O.D.	F	E	A	W	Y
Code	Teeth		L050		L075		L100		L150								
			E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape							
ECB41-L050 ECB46-L075 ECB51-L100 ECB56-L150	14									42.45	41.68			L050 A:14 W:19 Y:13			
	15		8~10	8~10	8~10	8~10	8~10	8~10	8~10	8~10	45.48	44.72	48				35
	16		10~14	10	10~14	10~14	10~14	10~14	10~14	10~14	48.51	47.75	55				40
	17		10~16		10~16	10~16	10~16	10~16	10~16	10~16	51.54	50.78					
	18		10~16		10~16	10~16	10~16	10~16	10~16	10~16	54.57	53.81	61				45
	19		12~19		12~19	12~19	12~19	12~19	12~19	57.61	56.84	67	50				
	20				12~20	12~20	12~20	12~20	12~20	60.64	59.88						
	21		12~19		12~20	12~20	12~20	12~20	12~20	63.67	62.91	70	56				
	22		12~19		12~22	12~22	12~22	12~22	12~22	66.70	65.94	80	60				
	24									72.77	72.00						
	25		12~19		12~28	12~19	12~28	12~28	12~28	75.80	75.04	87	67				
	26	E								78.83	78.07						
	28	F								84.89	84.13	95	75				
	30		12~19		12~32		12~32	12~30	12~32	12~32	90.96	90.20	99	80			
	32									97.02	96.26	104	84				
	34		12~19		12~32		12~35		12~35	12~35	103.08	102.32	111	90			
	36						15~40		15~40	15~40	109.15	108.39	123	102			
	38		15~19		15~32	15~19		15~30		15~45	15~45	115.21	114.45	127	105		
	40										121.28	120.51	131	110			
	42										127.34	126.58	135	115			
44										133.40	132.64	140	120				
48										145.53	144.77	152	130				
50		16~19		16~32	16~19	16~50	16~30	16~50	16~45	151.60	150.83	160	140				
60										181.91	181.15	190	170				
72										218.30	217.53	225	200				
														(d12~22: Y=22) (d24~Y=23.5)			
														(d12~32: Y=28) (d35~Y=32)			



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec. dH7	
Code	Teeth		L050	L075
ECB41-L050	14	E	E Shape	F Shape
ECB46-L075	15	F	6~10	8~10

ECB41-L050 - 15 - E - d8



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery 10

Select Shaft Bore Diameter

dH7	Max. Allowable Torque N·m	D	(L)
8	19.6	23.5	6
10	27.5	25.5	
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	6.5
16	83.3	33.0	
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	8
20	216.0	42.0	
22	255.0	44.0	
24	363.0	46.0	
25	392.0	47.0	

Select Shaft Bore Diameter

dH7	Max. Allowable Torque N·m	D	(L)
28	441.0	50.0	8.5
30	500.0	52.0	
32	530.0	54.0	
35	883.0	62.0	
40	1079.0	67.0	10
45	1285.0	72.0	
50	1706.0	77.0	10.5

Keyless Timing Pulleys

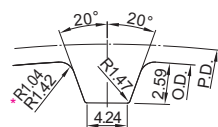
H Type(Pitch 12.7)

Keyless Bushing with Centering Function

Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECD41	H075	19.1	12.7	A7075	Aluminum Alloy	S45C	Clear Anodize	—		EUX16
ECD46	H100	25.4								
ECD51	H150	38.1								
ECD56	H200	50.8								

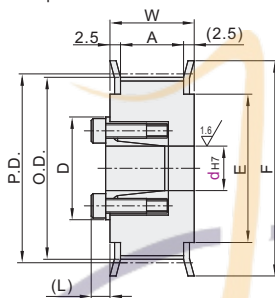


Tooth Profile
(ISO Standard Dimensions)

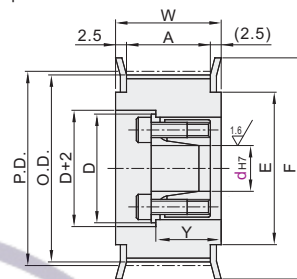


The R size with * is suitable for the number of teeth below 19.

Pulley Shape
Shape E



Pulley Shape
Shape F



3/2



The first perspective

Part Number		Pulley Shape	Shaft Bore Spec.d _{H7} (Select Shaft Bore Dia. from bushing size table)								P.D.	O.D.	F	E	A	W	Y	
Code	Teeth		H075		H100		H150		H200									
			E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape								
ECD41-H075 ECD46-H100 ECD51-H150 ECD56-H200	14		12~16	12~16	12~16	12~16	12~16	12~16	12~16	12~16	56.60	55.22	61	45	H075 A: 21 W: 26 Y: 18			
	15		14~19		14~19	14~19	14~19	14~19	14~19	14~19	60.64	59.27	67	50				
	16		14~20		14~20	14~19	14~20	14~20	14~20	14~20	64.68	63.31	70	56				
	17		14~22	14~19	14~22	14~22	14~22	14~22	14~22	14~22	68.72	67.35	80	60				
	18		14~22		14~22	14~22	14~22	14~22	14~22	72.77	71.39							
	19		14~28		14~28	14~28	14~28	14~28	14~28	14~28	76.81	75.44	87	67				
	20		14~28		14~28	14~28	14~28	14~28	14~28	14~28	80.85	79.48	87	67	H100 A: 27 W: 32 Y: 22			
	21		14~32		14~32	14~30	14~32	14~32	14~32	14~32	84.89	83.52	95	75				
	22		14~32		14~32	14~30	14~32	14~32	14~32	14~32	88.94	87.56						
	24		19~32	19	19~32	19~30	19~32	19~32	19~32	19~32	97.02	95.65	104	84	(d24~: Y=23.5)			
	25	E			19~35	19~30	19~35	19~35	19~35	19~35	101.06	99.69	111	90				
	26				20~35		20~35	20~35	20~35	20~35	105.11	103.73	111	90				H150 A: 40 W: 45 Y: 28
	28	F			20~40		20~40	20~40	20~40	20~40	113.19	111.82	123	102				
	30				20~45		20~45	20~45	20~45	20~45	121.28	119.90	127	105				
	32		20~32								129.36	127.99	135	115	(d35~: Y=32)			
	34								20~50	20~50	137.45	136.07	144	125				
	36					20~30					145.53	144.16	152	130				H200 A: 54 W: 59 Y: 35
	38										153.62	152.24	165	140				
	40				20~50		20~50	20~50			161.70	160.33	170	150	(d35~: Y=39)			
	42										169.79	168.41	180	155				
	44										177.87	176.50	190	170				
	48										194.04	192.67	205	180				
	50										202.13	200.76	210	185				



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec. dH7	
Code	Teeth		E Shape	F Shape
ECD41-H075	14	E	12~16	12~16
ECD46-H100	15		14~19	14~19

ECD41-H075 — 15 — E — d15



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



Delivery
10

Select Shaft Bore Diameter

dH7	Max. Allowable Torque N·m	D	(L)
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	
16	83.3	33.0	6.5
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	
20	216.0	42.0	
22	255.0	44.0	
24	363.0	46.0	8
25	392.0	47.0	
28	441.0	50.0	
30	500.0	52.0	8.5
32	530.0	54.0	
35	883.0	62.0	
40	1079.0	67.0	10
45	1285.0	72.0	
50	1706.0	77.0	10.5

Keyless High Torque Timing Pulleys

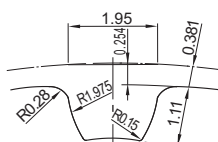
S3M Type(Pitch 3.0)

Keyless Bushing with Centering Function

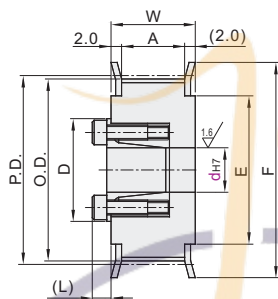
Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
EBY41	S3M100	10	3.0	A7075	Aluminum Alloy	S45C	Clear Anodize	—	—	EUX16
EBY46	S3M150	15								



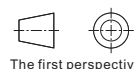
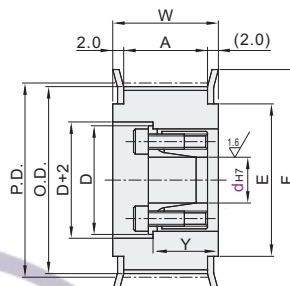
Standard Tooth Profile



Pulley Shape Shape E



Pulley Shape Shape F



The first perspective

Part Number		Pulley Shape	Shaft Bore Spec.d _{H7} (Select Shaft Bore Dia. from bushing size table)			P.D.	O.D.	F	E	A	W	Y
Code	Teeth		S3M100	S3M150								
			E Shape	E Shape	F Shape							
EBY41-S3M100 EBY46-S3M150	34	E	6	6	6	32.47	31.71	40	28	S3M100 A:11 W:15		
	36		6	6	6	34.38	33.62					
	40		8	8	8	38.20	37.44	44	32			
	44		8-10	8-10	8-10	42.02	41.25	48	36			
	48	F	8-10	8-10-12	8-10	45.84	45.07	50	38	S3M150 A:17 W:21 Y:14		
	50		8-10	8-10-12-14	8-10	47.75	46.98	52	40			
	60		8-10	8-10-12-14~17	8-10	57.30	56.53	61	46			
	72		8-10	8-10-12-14~19	8-10	68.75	67.99	74	58			

❗ The F shape of the timing pulley is not suitable for EBY41-S3M100.

🔍 Select Shaft Bore Diameter



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec. dH7		
Code	Teeth		S3M100	S3M150	
			E Shape	E Shape	F Shape
EBY41-S3M100	50	E	6-10	8-10-12-14	8-10
EBY46-S3M150	60		8-10	8-10-12-14~17	8-10
	72		8-10	8-10-12-14~19	8-10

EBY41-S3M100-50-E-d10



● Discount price

Per 1~4 5~
Price 100% Additional quotation



Delivery

10

d _{H7}	Max. Allowable Torque N·m	D	(L)
6	12.7	21.5	
8	19.6	23.5	6
10	27.5	25.5	
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	
16	83.3	33	6.5
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	

Keyless High Torque Timing Pulleys

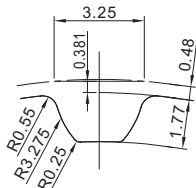
S5M Type(Pitch 5.0)

Keyless Bushing with Centering Function

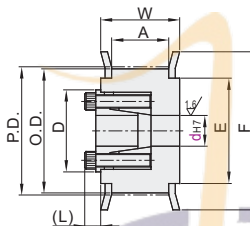
Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECC41	S5M100	10	5.0	A6061	A6061	S45C	Clear Anodize	—	—	EUX16
ECC46	S5M150	15								
ECC51	S5M250	25								



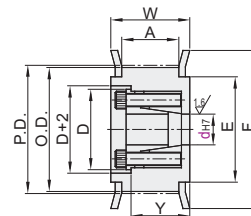
Standard Tooth Profile



Pulley Shape Shape E



Pulley Shape Shape F



The first perspective

Part Number		Pulley Shape	Shaft Bore Spec. dH7 (Select Shaft Bore Dia. from bushing size table)					P.D.	O.D.	F	E	A	W	Y
Code	Teeth		S5M100 E Shape	S5M150 E Shape	S5M150 F Shape	S5M250 E Shape	S5M250 F Shape							
ECC41-S5M100 ECC46-S5M150 ECC51-S5M250	24	E	8	8	8	8	8	38.20	37.24	45	30	S5M100 A:11 W:16		
	25		8	8	8	8	8	39.79	38.83					
	26		8 10	8 10	8 10	8 10	8 10	41.38	40.42	48	35			
	28		8 10	8 10	8 10	8 10	8 10	44.56	43.60					
	30	F	10	10	10	10	10	47.75	46.79	52	36	S5M150 A:17 W:22 Y:14		
	32		10~14	10~14	10	10~14	10~14	50.93	49.97	55	40			
	34		10~14	10~16	10	10~16	10~16	54.11	53.15	61	45			
	36		10~14	10~16	10	10~16	10~16	57.30	56.34					
	40		10~14	10~19	10	10~19	10~19	63.66	62.70	67	50	S5M250 A:27 W:32 Y:14 (d12~22:Y=22) (d24~:Y=23.5)		
	44		12~14	12~22	10~12	12~22	12~18	70.03	69.07	74	58			
	48		12~14	12~22	10~12	12~24	12~18	76.39	75.43	83	63			
	50		12~14	12~22	10~12	12~28	12~18	79.58	78.62	87	67			
	60		12~14	12~22	10~12	12~30	12~18	95.49	94.53	99	80			
	72		12~14	12~22	10~12	12~35	12~18	114.59	113.63	119	100			



Part Number		Pulley Shape	Shaft Bore Spec. dH7				
Code	Teeth		S5M100 E Shape	S5M150 E Shape	S5M150 F Shape	S5M250 E Shape	S5M250 F Shape
ECC41-S5M100	24	E	8	8	8	8	8
ECC46-S5M150	25		8	8	8	8	8
ECC46-S5M150	26	F	8 10	8 10	8 10	8 10	8 10

ECC46-S5M150 — 26 — F — d8



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



Delivery	
	10

Select Shaft Bore Diameter

dH7	Max. Allowable Torque N·m	D	(L)
8	19.6	23.5	6
10	27.5	25.5	
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	6.5
16	83.3	33	
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	8
20	216.0	42	
22	255.0	44	
24	363.0	46	
25	392.0	47	8.5
28	441.0	50	
30	500.0	52	
32	530.0	54	
35	883.0	62	10

Keyless High Torque Timing Pulleys

S8M Type(Pitch 8.0)

Keyless Bushing with Centering Function

Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECF51	S8M150	15	8.0	A7075	Aluminum Alloy	S45C	Clear Anodize	—		EUX16
ECF56	S8M250	25								
ECF61	S8M300	30								
ECF66	S8M400	40								

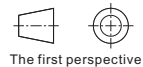
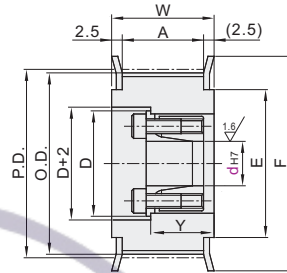
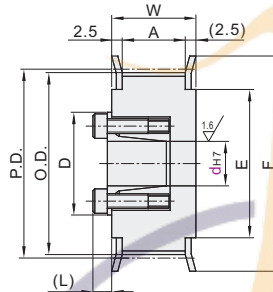
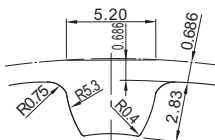


Pulley Shape
Shape E

Pulley Shape
Shape F

3.2

Standard Tooth Profile



The first perspective

Part Number		Pulley Shape	Shaft Bore Spec.d _{H7} (Select Shaft Bore Dia. from bushing size table)								P.D.	O.D.	F	E	A	W	Y	
Code	Teeth		S8M150	S8M250		S8M300		S8M400										
			E Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape									
ECF51-S8M150 ECF56-S8M250 ECF61-S8M300 ECF66-S8M400	19	E	12~14	12~14	12~14	12~14	12~14	12~14	12~14	48.38	47.01	55	40	S8M150 A: 17 W: 22				
	20		12~14	12~14	12~14	12~14	12~14	12~14	12~14	50.93	49.56	58						
	21		12~16	12~16	12~16	12~16	12~16	12~16	12~16	53.48	52.10	61	45					
	22		12~16	12~16	12~16	12~16	12~16	12~16	12~16	56.02	54.65							
	24		12~19	12~19	12~19	12~19	12~19	12~19	12~19	61.12	59.74	67	50	S8M250 A: 28 W: 33 Y: 22 (d24~30:Y=24) (d32~:Y=24.5)				
	25		12~20	12~20	12~20	12~20	12~20	12~20	12~20	63.66	62.29	70	56					
	26		14~22	14~22	14~22	14~22	14~22	14~22	14~22	66.21	64.84	74	58					
	28		14~22	14~22	14~22	14~22	14~22	14~22	14~22	71.30	69.93	80	60					
	30		F	14~28	14~28	14~28	14~28	14~28	14~28	14~28	76.39	75.02	87	67	S8M300 A: 33 W: 38 Y: 24 (d24~32:Y=25) (d35~: Y=28)			
	32			14~28	14~28	14~28	14~28	14~28	14~28	14~28	81.49	80.12						
	34			16~32	16~32	16~32	16~32	16~32	16~32	16~32	86.58	85.21	95	75				
	36			16~32	16~32	16~32	16~32	16~32	16~32	16~32	91.67	90.30	99	80				
	38			20~35	20~35	20~35	20~35	20~35	20~35	20~35	96.77	95.39	104	84	S8M400 A: 44 W: 49 Y: 30 (d24~32:Y=31) (d35~: Y=34)			
	40			20~35	20~35	20~35	20~35	20~35	20~35	20~35	101.86	100.49	111	90				
	44			20~45	20~45	20~45	20~45	20~45	20~45	20~45	112.05	110.67	119	100				
	48			20~45	20~45	20~45	20~45	20~45	20~45	20~45	122.23	120.86	127	105				
50	20~50	20~50		20~50	20~50	20~50	20~50	20~50	127.32	125.95	136	115						
60	20~50	20~50		20~50	20~50	20~50	20~50	20~50	152.79	151.42	160	140						
72	20~50	20~50		20~50	20~50	20~50	20~50	20~50	183.35	181.97	190	170						
72	20~50	20~50		20~50	20~50	20~50	20~50	20~50	183.35	181.97	190	170						

① The F shape of the timing pulley is not suitable for S8M150.

② Select Shaft Bore Diameter



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec. dH7		
Code	Teeth		S8M150	S8M250	S8M400
ECF51-S8M150	50	E	20~22	20~50	20~32
ECF56-S8M250	60	F	20~22	20~50	20~32
ECF61-S8M300	72	F	20~22	20~50	20~32

ECF51-S8M150 — 50 — E — d20



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



Delivery
10

dH7	Max. Allowable Torque N·m	D	(L)
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	
16	83.3	33.0	6.5
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	
20	216.0	42.0	
22	255.0	44.0	8
24	363.0	46.0	
25	392.0	47.0	

dH7	Max. Allowable Torque N·m	D	(L)
28	441.0	50.0	
30	500.0	52.0	8.5
32	530.0	54.0	
35	883.0	62.0	
40	1079.0	67.0	10
45	1285.0	72.0	
50	1706.0	77.0	10.5

Keyless Timing Pulley

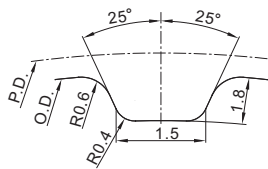
T5 Type(Pitch 5.0)

Keyless Bushing with Centering Function

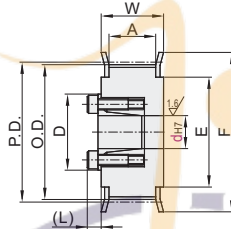
Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECG01	T5100	10	5.0	A6061	A6061	S45C	Clear Anodize	—	—	EUX16
ECG06	T5150	15								
ECG11	T5200	20								
ECG16	T5250	25								



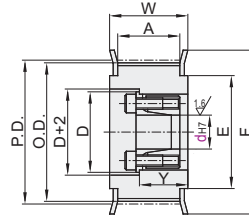
Standard Tooth Profile



Pulley Shape Shape E



Pulley Shape Shape F



The first perspective

Part Number		Pulley Shape	Shaft Bore Spec. d _{H7} (Select Shaft Bore Dia. from bushing size table)								P.D.	O.D.	F	E	A	W	Y
Code	Teeth		T5100		T5150		T5200		T5250								
			E Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	E Shape							
ECG01-T5100 ECG06-T5150 ECG11-T5200 ECG16-T5250	24		8	8	8	8	8	8	8	38.20	37.40			A: 11, W: 16			
	25		8	8	8	8	8	8	8	39.79	39.00	45	30				
	26		8 10	8 10	8 10	8 10	8 10	8 10	8 10	41.38	40.60						
	28		8 10	8 10	8 10	8 10	8 10	8 10	8 10	44.56	43.75	48	35				
	30		10	10	10	10	10	10	10	47.75	46.95	52	36	A: 17, W: 22 Y: 14			
	32	E	10 12 14	10 12 14	10	10 12 14	10 12 14	10 12 14	10 12 14	50.93	50.10	55	40				
	34		10 12 14	10~16	10	10~16	10~16	10~16	10~16	54.11	53.25			A: 22, W: 27 Y: 14 (d12~: Y=18)			
	36	F	10 12 14	10~16	10	10~16	10~16	10~16	10~16	57.30	56.45	61	45				
	40		10 12 14	10~19	10	10~19	10~19	10~19	10~18	63.66	62.85	67	50	A: 27, W: 32 Y: 14 (d12~22: Y=22) (d24~: Y=23.5)			
	44		12 14	12~22	10~12	12~22	12~19	12~22	12~18	70.03	69.20	74	58				
	48		12 14	12~22	10~12	12~24	12~19	12~24	12~18	76.39	75.55	83	63				
	50		12 14	12~22	10~12	12~28	12~19	12~28	12~18	79.58	78.75	87	67				
60		12 14	12~22	10~12	12~32	12~19	12~32	12~18	95.49	94.65	99	80					

Select Shaft Bore Diameter



Please order as shown

Part Number		Pulley Shape	Shaft Bore Spec. dH7							
Code	Teeth		T5100		T5150		T5200		T5250	
			E Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	
ECG01-T5100	24	 E	8	8	8	8	8	8	8	
ECG06-T5150	25		8	8	8	8	8	8	8	
	26		8 10	8 10	8 10	8 10	8 10	8 10	8 10	

ECG01-T5100 — 26 — E — d8



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery

10

dH7	Max. Allowable Torque N·m	D	(L)
8	19.6	23.5	6
10	27.5	25.5	
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	6.5
16	83.3	33	
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	8
20	216.0	42	
22	255.0	44	
24	363.0	46	
25	392.0	47	8.5
28	441.0	50	
30	500.0	52	
32	530.0	54	

Keyless Timing Pulleys

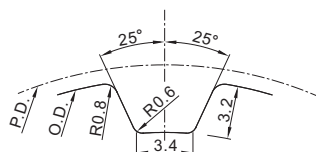
T10 Type(Pitch 10.0)

Keyless Bushing with Centering Function

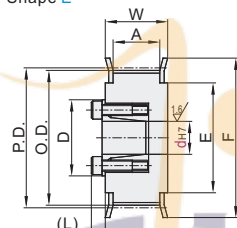
Code	Pulleys Type	Belt Width	Pitch	Material			Surface Treatment			Use Bushing Code
				Pulley	Flange	Bushing	Pulley	Flange	Bushing	
ECG31	T10150	15	10.0	A6061	A6061	S45C	Clear Anodize	—	—	EUX16
ECG36	T10200	20								
ECG41	T10250	25								
ECG46	T10300	30								
ECG51	T10400	40								
ECG56	T10500	50								



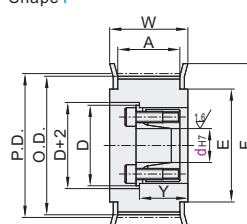
Standard Tooth Profile



Pulley Shape Shape E



Pulley Shape Shape F



The first perspective

34 and 60 toothed pulleys (Cut Flange).

Part Number		Pulley Shape	Shaft Bore Spec. d _{H7} (Select Shaft Bore Dia. from bushing size table)												P.D.	O.D.	F	E	A	W	Y
Code	Teeth		T10150	T10200		T10250		T10300		T10400		T10500									
ECG31-T10150 ECG36-T10200 ECG41-T10250 ECG46-T10300 ECG51-T10400 ECG56-T10500			E Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape	E Shape	F Shape								
	18		12~16	12~16	12~19	12~16	12~16	12~16	12~16	12~16	12~16	12~16	12~16	57.30	55.45	61	45	T10150 A: 17, W: 22			
	20		12~18	12~19	12~19	12~19	12~18	12~19	12~18	12~19	12~19	12~19	12~19	63.66	61.80	67	50	T10200 A: 22, W: 27, Y: 18			
	22		14~18	14~22	14~19	14~22	14~18	14~22	14~18	14~22	14~22	14~22	14~22	70.03	68.15	80	60				
	24		14~18	14~28	14~18	14~28	14~18	14~28	14~18	14~28	14~28	14~28	14~28	76.39	74.55			T10250 A: 27, W: 32 Y: 22 (d24~: Y=23.5)			
	25		14~18	14~28	14~18	14~28	14~18	14~28	14~18	14~28	14~28	14~28	14~28	79.58	77.70	87	67				
	26		14~18	14~28	14~18	14~28	14~18	14~28	14~18	14~28	14~28	14~28	14~28	82.76	80.90						
	28		16~18	16~32	16~18	16~32	16~18	16~32	16~18	16~32	16~32	16~32	16~32	89.13	87.25	95	75	T10300 A: 32, W: 37 Y: 24 (d24~32: Y=25) (d35~: Y=27)			
	30		16~18	20~35	16~18	16~32	16~18	16~32	16~18	16~32	16~32	16~32	16~32	95.49	93.65	104	84				
	32		16~18	20~35	16~18	20~35	16~18	20~35	16~18	20~35	20~35	20~35	20~35	101.86	100.00	111	90				
	36		16~18	20~35	16~18	20~40	16~18	20~40	16~18	20~40	20~35	20~40	20~35	114.59	112.75	123	102	T10400 A: 43, W: 48 Y: 30 (d24~32: Y=31) (d35~: Y=34)			
	40		16~18	20~35	16~18	20~40	16~18	20~50	16~18	20~50	20~35	20~50	20~35	127.32	125.45	135	115				
	44		16~18	20~35	16~18	20~40	16~18	20~50	16~18	20~50	20~35	20~50	20~35	140.06	138.20	152	130				
	48		16~18	20~35	16~18	20~40	16~18	20~50	16~18	20~50	20~35	20~50	20~35	152.79	150.95	160	140				
	50		16~18	20~35	16~18	20~40	16~18	20~50	16~18	20~50	20~35	20~50	20~35	159.15	157.3	170	150	T10500 A: 53, W: 58 Y: 35 (d24~32: Y=36) (d35~: Y=39)			
60		16~18	20~35	16~18	20~40	16~18	20~50	16~18	20~50	20~35	20~50	20~35	190.99	189.1	200	175					



Part Number		Pulley Shape	Shaft Bore Spec. d _{H7}		
Code	Teeth		T10150	T10200	
ECG31-T10150	18	E	12~16	12~16	12~16
ECG36-T10200	20		12~18	12~19	12~19
ECG41-T10250	22		14~18	14~22	14~19

ECG36-T10200—18—F—d15



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



Delivery
10

Select Shaft Bore Diameter

d _{H7}	Max. Allowable Torque N·m	D	(L)
12	44.1	28.5	
14	63.7	30.5	
15	80.4	31.5	
16	83.3	33	6.5
17	92.2	33.5	
18	95.1	34.5	
19	98.1	35.5	
20	216.0	42	
22	255.0	44	
24	363.0	46	8
25	392.0	47	
28	441.0	50	
30	500.0	52	8.5
32	530.0	54	
35	883.0	62	
40	1079.0	67	10
45	1285.0	72	
50	1706.0	77	10.5

MXL Type

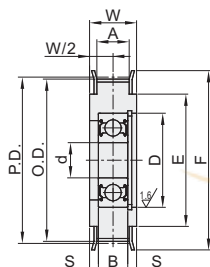
Pitch 2.032

Flanged Idlers with Teeth

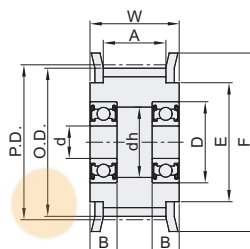
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing	MXL	2.032	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

Single Bearing
EVD01

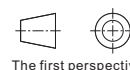


Both Sides Bearing
EVD21



✓

□ Bearings are press-fitted.



Single Bearing

Part Number			P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD01	20	MXL019	12.94	12.43	18	11				BAF693ZZ×1	3	8	
	22		14.23	13.72									
	24		15.52	15.02	20	13			3				4
	30		19.40	18.90	25	16				BAF695ZZ×1	5	13	
	36		23.29	22.78	28	18	6	10					
	40		25.87	25.36	30	20			2.5	BAF696ZZ×1	6	15	5
	50		32.34	31.84	35	25			2	BAF698ZZ×1	8	19	6
	60		38.81	38.30	44	32				BAY6900ZZ×1	10	22	

Both Sides Bearing

Part Number			P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD21		MXL025					7.5	11.5					
	20	MXL037	12.94	12.43	18	11	11	15	5	BAF673ZZ×2	3	6	2.5
		MXL050					14	18					
		MXL025					7.5	11.5					
	22	MXL037	14.23	13.72	18	11	11	15	5	BAF673ZZ×2	3	6	2.5
		MXL050					14	18					
		MXL025					7.5	11.5					
	24	MXL037	15.52	15.02	20	13	11	15	6	BAF674ZZ×2	4	7	2.5
		MXL050					14	18					
		MXL025					7.5	11.5					
	30	MXL037	19.40	18.90	25	16	11	15	6	BAF674ZZ×2	4	7	2.5
		MXL050					14	18					
		MXL025					7.5	11.5					
	36	MXL037	23.29	22.78	28	18	11	15	11	BAF695ZZ×2	5	13	4
		MXL050					14	18					
		MXL025					7.5	11.5	11	BAF695ZZ×2	5	13	4
	40	MXL037	25.87	25.36	30	20	11	15	13	BAF696ZZ×2	6	15	5
		MXL050					14	18					
		MXL025					7.5	11.5	11	BAF695ZZ×2	5	13	4
	50	MXL037	32.34	31.84	35	25	11	15	16	BAF698ZZ×2	8	19	6
		MXL050					14	18					
		MXL025					7.5	11.5	11	BAF695ZZ×2	5	13	4
	60	MXL037	38.81	38.3	44	32	11	15	19	BAY6900ZZ×2	10	22	6
		MXL050					14	18					

Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	<20>	MXL019
	22	
	24	

EVD01—20—MXL019



Please order as shown



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

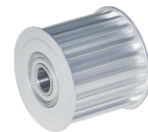


Delivery	
	8

Flanged Idlers with Teeth

◀ XL Type

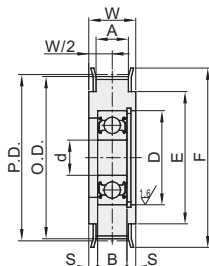
Pitch 5.08



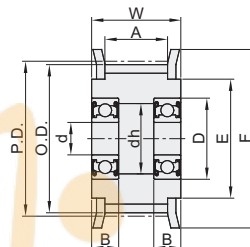
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing	XL	5.08	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

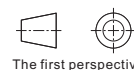
Single Bearing
EVD01



Both Sides Bearing
EVD21



ⓘ Bearings are press-fitted.



□ Single Bearing

Part Number			P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD01	18	XL025	29.11	28.6	36	24	7.5	12.5	3.25	BAF626ZZ×1	6	19	6
		XL031					9	14	4				
		XL037					11	16	5				
	20	XL025	32.34	31.83	40	27	7.5	12.5	3.25	BAF626ZZ×1	6	19	6
		XL031					9	14	4				
		XL037					11	16	5				
	22	XL025	35.57	35.07	45	30	7.5	12.5	2.25	BAF628ZZ×1	8	24	8
		XL031					9	14	3				
		XL037					11	16	4				
	25	XL025	40.43	39.92	48	35	7.5	12.5	2.25	BAY6000ZZ×1	10	26	8
		XL031					9	14	3				
		XL037					11	16	4				
	28	XL025	45.28	44.77	55	40	7.5	12.5	2.25	BAY6000ZZ×1	10	26	8
		XL031					9	14	2.5				
		XL037					11	16	3.5				
	30	XL025	48.51	48	55	40	7.5	12.5	2.25	BAY6000ZZ×1	10	26	8
		XL031					9	14	2.5				
		XL037					11	16	3.5				
	36	XL025	58.21	57.7	67	50	7.5	12.5	2.25	BAY6001ZZ×1	12	28	8
		XL031					9	14	2				
		XL037					11	16	3				

□ Both Sides Bearing

Part Number			P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD21	16	XL037	25.87	25.36	32	20	11	16	11	BAF695ZZ×2	5	13	4
		XL050					14	19					
	18	XL037	29.11	28.6	36	24	11	16	13	BAF696ZZ×2	6	15	5
		XL050					14	19					
	20	XL037	32.34	31.83	40	27	11	16	16	BAF698ZZ×2	8	19	6
		XL050					14	19					
	22	XL037	35.57	35.07	45	30	11	16	16	BAF698ZZ×2	8	19	6
		XL050					14	19					
	25	XL037	40.43	39.92	48	35	11	16	19	BAY6900ZZ×2	10	22	6
		XL050					14	19					
	28	XL037	45.28	44.77	55	40	11	16	19	BAY6900ZZ×2	10	22	6
		XL050					14	19					
	30	XL037	48.51	48	55	40	11	16	19	BAY6900ZZ×2	10	22	6
		XL050					14	19					
	36	XL037	58.21	57.7	67	50	11	16	19	BAY6900ZZ×2	10	22	6
		XL050					14	19					

□ Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	18	XL025
	18	XL031
	18	XL037

EVD01 — 18 — XL025



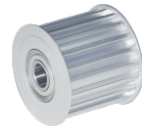
Discount price			
Per	1~4	5~	
Price	100%	Additional quotation	



Delivery	
8	

L Type ▶ Flanged Idlers with Teeth

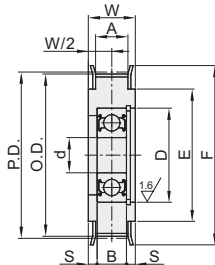
Pitch 9.525



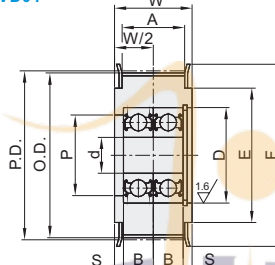
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing, Center Bearing	L	9.525	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

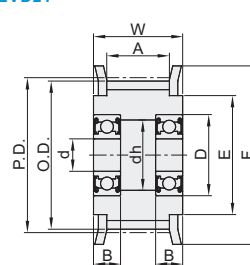
Single Bearing
EVD01



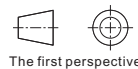
Center Bearing
EVD01



Both Sides Bearing
EVD21



3.2



□ Bearings are press-fitted.

□ Single Bearing/Center Bearing

Part Number		P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth Applicable Belt								No.	d	D	B
EVD01	16 L050	48.51	47.75	55	40	14	19	5	BAY6200ZZ×1	10	30	9
	L075					21	26	8.5				
	18 L050	54.57	53.81	61	45	14	19	4.5	BAY6201ZZ×1	12	32	10
	L075					21	26	8				
	L100	60.64	59.88	67	50	27	32	6	BAY6201ZZ×2	12	32	10
	L050					14	19	4.5				
	L075	60.64	59.88	67	50	21	26	8	BAY6201ZZ×1	12	32	10
	L100					27	32	6				
	22 L050	66.7	65.94	80	60	14	19	4	BAY6202ZZ×1	15	35	11
	L075					21	26	7.5				
	30 L050	90.96	90.2	99	80	14	19	4	BAY6202ZZ×1	15	35	11
	L075					21	26	7.5				

□ Both Sides Bearing

Part Number		P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth Applicable Belt								No.	d	D	B
EVD21	14 L050	42.45	41.68	48	35	14	19	16	BAF698ZZ×2	8	19	6
	L075					21	26					
	L100					27	32					
	L150					40	45					
	L050	45.48	44.72	48	35	14	19	16	BAF698ZZ×2	8	19	6
	L075					21	26					
	L100					27	32					
	L150					40	45					
	L050	48.51	47.75	55	40	14	19	19	BAY6900ZZ×2	10	22	6
	L075					21	26					
	L100					27	32					
	L150					40	45					
	L050	54.57	53.81	61	45	14	19	25	BAY6001ZZ×2	12	28	8
	L075					21	26					
	L100					27	32					
	L150					40	45					
	L075	60.64	59.88	67	50	21	26	29	BAY6002ZZ×2	15	32	9
	L100					27	32					
	L150					40	45					
	L075	66.7	65.94	80	60	21	26	29	BAY6002ZZ×2	15	32	9
	L100					27	32					
	L150					40	45					
	L075	66.7	65.94	80	60	21	26	37	BAY6004ZZ×2	20	42	12
	L100					27	32					
	L150					40	45					
	L050	90.96	90.20	99	80	14	19	22	BAY6901ZZ×2	12	24	6
	L075					21	26					
	L100					27	32					
	L150					40	45					

□ Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	16	L050
	18	L075

EVD01 — 16 — L050



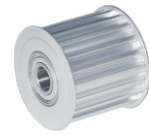
Discount price		
Per	1~4	5~
Price	100%	Additional quotation



Delivery	
	8

Flanged Idlers with Teeth

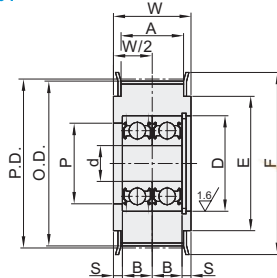
◀ H Type
Pitch 12.7



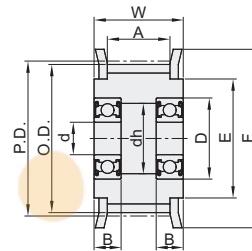
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Center Bearing	H	12.7	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

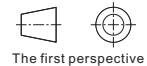
Center Bearing
EVD01



Both Sides Bearing
EVD21



① Bearings are press-fitted.



Center Bearing

Part Number		Applicable Belt	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth									No.	d	D	B
EVD01	14	H075					21	26	3	BAY6201ZZ×2	12	32	10
		H100	56.6	55.22	61	45	27	32	6				
		H150					40	45	11.5	BAY6202ZZ×2	15	35	11
		H200					54	59	18.5				
	16	H075					21	26	3	BAY6201ZZ×2	12	32	10
		H100	64.68	63.31	70	56	27	32	6				
		H150					40	45	11.5	BAY6202ZZ×2	15	35	11
		H200					54	59	18.5				
	18	H075	72.77	71.39	80	60							
	20	H075	80.85	79.48	87	67							
	22	H075	88.94	87.56	95	75							
	24	H075	97.02	95.65	104	84	21	26	4	BAY6002ZZ×2	15	32	9
	25	H075	101.1	99.69	111	90							
	28	H075	113.2	111.8	123	102							

Both Sides Bearing

Part Number		Applicable Belt	P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth									No.	d	D	B
EVD01	14	H075					21	26	27	BAY6201ZZ×2	12	32	10
		H100	56.6	55.22	61	45	27	32					
		H150					40	45	30	BAY6202ZZ×2	15	35	11
		H200					54	59					
	15	H075					21	26	27	BAY6201ZZ×2	12	32	10
		H100	60.64	59.27	67	50	27	32					
		H150					40	45	30	BAY6202ZZ×2	15	35	11
		H200					54	59					
	16A	H075					21	26	27	BAY6201ZZ×2		32	10
		H100	64.68	63.31	70	56	27	32					
		H150					40	45	25	BAY6001ZZ×2	12	28	8
		H200					54	59	27	BAY6201ZZ×2		32	10
EVD21	16	H100					27	32	29	BAY6002ZZ×2	15	32	9
		H150	64.68	63.31	70	56	40	45					
		H200					54	59	30	BAY6202ZZ×2		35	11
		H100					27	32	37	BAY6004ZZ×2		42	12
	18	H150	72.77	71.39	80	60	40	45			20	42	12
		H200					54	59	41	BAY6204ZZ×2		47	14
		H100					27	32	37	BAY6004ZZ×2		42	12
		H150	80.85	79.48	87	67	40	45			20	47	14
	20	H200					54	59	41	BAY6204ZZ×2		47	14
		H100					27	32	37	BAY6004ZZ×2		42	12
		H150	88.94	87.56	95	75	40	45	41	BAY6204ZZ×2	20	47	14
		H200					54	59					
	22	H100					27	32	42	BAY6005ZZ×2		47	12
		H150	97.02	95.65	104	84	40	45	46	BAY6205ZZ×2	25	52	15
		H200					54	59					
		H100					27	32	42	BAY6005ZZ×2		47	12
	24	H150	101.1	99.69	111	90	40	45	46	BAY6205ZZ×2	25	52	15
		H200					54	59					
		H100					27	32	42	BAY6005ZZ×2	25	47	12
		H150	113.2	111.8	123	102	40	45					
	28	H200					54	59	56	BAY6206ZZ×2	30	62	16

Center Bearing

Part Number		Applicable Belt
Code	Teeth	
EVD01	18	H075
	20	
	22	

EVD01 — 18 — H075



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



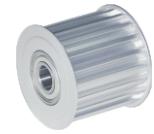
Delivery	
	8

T5 Type ▶ Flanged Idlers with Teeth

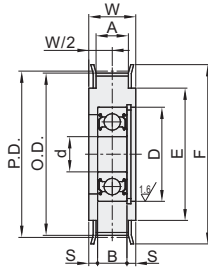
Pitch 5.0

Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing	T5	5.0	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

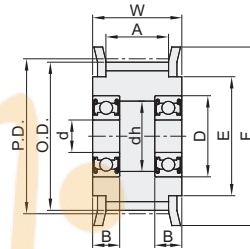
□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0



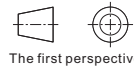
Single Bearing
EVD01



Both Sides Bearing
EVD21



⚠ Bearings are press-fitted.



□ Single Bearing

Part Number			P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD01	18		28.65	27.8	33	22	11	16	5	BAF698ZZ×1	8	19	6
	20		31.83	31	36	24	11	16	5	BAF698ZZ×1	8	19	6
	22		35.01	34.25	40	27	11	16	5	BAY6900ZZ×1	10	22	6
	24	T5100	38.2	37.4	45	30	11	16	4	BAY6000ZZ×1	10	26	8
	25		39.79	39	45	30	11	16	4	BAY6000ZZ×1	10	26	8
	28		44.56	43.75	48	35	11	16	3.5	BAY6200ZZ×1	10	30	9
	30		47.75	46.95	52	36	11	16	3	BAY6201ZZ×1	12	32	10

□ Both Sides Bearing

Part Number			P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD21	18	T5150	28.65	27.8	33	22	17	22	13	BAF696ZZ×2	6	15	5
		T5200					22	27					
		T5250					27	32	17	BAF698ZZ×2	8	19	6
		T5150					17	22					
	20	T5200	31.83	31	36	24	22	27	17	BAF698ZZ×2	8	19	6
		T5250					27	32					
		T5150					17	22					
	22	T5200	35.01	34.25	40	27	22	27	20	BAY6900ZZ×2	10	22	6
		T5250					27	32					
		T5150					17	22	20	BAY6900ZZ×2	10	22	6
	24	T5200	38.2	37.4	45	30	22	27					
		T5250					27	32	23	BAY6000ZZ×2	10	26	8
		T5150					17	22					
	25	T5200	39.79	39	45	30	22	27	23	BAY6000ZZ×2	10	26	8
		T5250					27	32					
		T5150					17	22					
	28	T5200	44.56	43.75	48	35	22	27	25	BAY6200ZZ×2	10	30	9
		T5250					27	32					
		T5150					17	22	25	BAY6001ZZ×2		28	8
	30	T5200	47.75	46.95	52	36	22	27			12	32	10
		T5250					27	32	27	BAY6201ZZ×2			

□ Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	18	
	20	T5100
	22	

EVD01—18—T5100



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



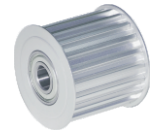
Delivery	
	8

Flanged Idlers with Teeth

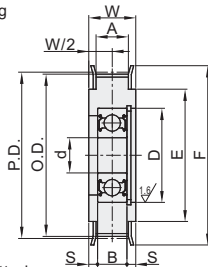
◀ T10 Type(Pitch 10.0)

◀ S2M Type(Pitch 2.0)

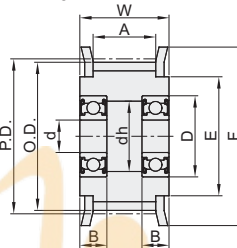
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing	T10	10.0	Aluminum Alloy		Steel	Clear Anodize	
		S2M	2.0					
EVD21	Both Sides Bearing	T10	10.0					
		S2M	2.0					



Single Bearing
EVD01



Both Sides Bearing
EVD21



ⓘ Bearings are press-fitted.

❏ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0



❏ Single Bearing(T10 Type)

Part Number			P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD01	16	T10150	50.93	49.05	58	40	17	22	6	BAY6201ZZ×1	12	32	10
	18		57.3	55.45	61	45	17	22	6	BAY6201ZZ×1	12	32	10
	20		63.66	61.8	67	50	17	22	6	BAY6201ZZ×1	12	32	10
	22		70.03	68.15	80	60	17	22	5.5	BAY6202ZZ×1	15	35	11
	24		76.39	74.55	87	67	17	22	5.5	BAY6202ZZ×1	15	35	11
	26		82.76	80.9	87	67	17	22	5.5	BAY6202ZZ×1	15	35	11

❏ Both Sides Bearing(T10 Type)

Part Number			P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD21	16	T10200	50.93	49.05	58	40	22	27	25	BAY6001ZZ×2	12	28	8
		T10250					27	32		BAY6201ZZ×2			
		T10300					32	37		BAY6002ZZ×2			
	18	T10250	57.3	55.45	61	45	27	32	30	BAY6202ZZ×2	15	35	11
		T10300					32	37		BAY6002ZZ×2			
		T10200					22	27		BAY6004ZZ×2			
	20	T10250	63.66	61.8	67	50	27	32	30	BAY6202ZZ×2	15	35	11
		T10300					32	37		BAY6004ZZ×2			
		T10200					22	27		BAY6004ZZ×2			
	22	T10250	70.03	68.15	80	60	27	32	37	BAY6204ZZ×2	20	42	12
		T10300					32	37		BAY6204ZZ×2			
		T10200					22	27		BAY6004ZZ×2			
	24	T10250	76.39	74.55	87	67	27	32	41	BAY6204ZZ×2	20	47	14
		T10300					32	37		BAY6004ZZ×2			
		T10200					22	27		BAY6004ZZ×2			
	26	T10250	82.76	80.9	87	67	27	32	41	BAY6204ZZ×2	20	47	14
		T10300					32	37		BAY6204ZZ×2			
		T10200					22	27		BAY6204ZZ×2			

❏ Single Bearing(S2M Type)

Part Number			P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD01	40	S2M040	25.46	24.96	30	20	5	9	2.5	BAF695ZZ×1	5	13	4
		S2M060					7	11	3	BAF696ZZ×1	6	15	5
	48	S2M040	30.56	30.05	35	25	5	9	2	BAF696ZZ×1	6	15	5
		S2M060					7	11	3	BAF696ZZ×1	6	15	5
	50	S2M040	31.83	31.32	35	25	5	9	2	BAF698ZZ×1	8	19	6
		S2M060					7	11	2.5	BAF698ZZ×1	8	19	6
	60	S2M040	38.20	37.69	44	32	5	9	1.5	BAY6900ZZ×1	10	22	6
		S2M060					7	11	2.5	BAY6900ZZ×1	10	22	6

❏ Both Sides Bearing(S2M Type)

Part Number			P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
Code	Teeth	Applicable Belt								No.	d	D	B
EVD21	20	S2M100	12.73	12.22	16	10	11	15	6	BAF674ZZ×2	4	7	2.5
	30		19.01	18.59	22	14	11	15	6	BAF674ZZ×2	4	7	2.5
	32		20.37	19.86	25	16	11	15	9.5	BAF694ZZ×2	4	11	4
	36		22.92	22.41	28	18	11	15	11	BAF695ZZ×2	5	13	4
	40		25.46	24.96	30	20	11	15	13	BAF696ZZ×2	6	15	5
	48		30.56	30.05	35	25	11	15	17	BAF698ZZ×2	8	19	6
	50		31.83	31.32	35	25	11	15	17	BAF698ZZ×2	8	19	6
	60		38.2	37.69	44	32	11	15	17	BAF698ZZ×2	8	19	6

❏ Single Bearing(T10 Type)

Part Number		
Code	Teeth	Applicable Belt
EVD01	16	T10150
	18	
	20	

EVD01 — 16 — T10150



Please order as shown



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

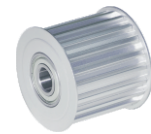


Delivery
8

S3M Type

Pitch 3.0

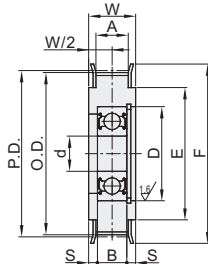
Flanged Idlers with Teeth



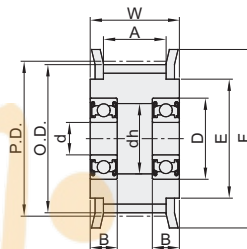
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing	S3M	3.0	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

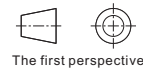
Single Bearing
EVD01



Both Sides Bearing
EVD21



□ Bearings are press-fitted.



Single Bearing

Part Number			Bearing Dimensions										
Code	Teeth	Applicable Belt	P.D.	O.D.	F	E	A	W	S	No.	d	D	B
EVD01	20		19.1	18.34	22	14	7	11	3	BAF685ZZ×1	5	11	5
	24		22.92	22.16	25	16	7	11	3.5	BAF695ZZ×1	5	13	4
	25		23.87	23.11	28	18	7	11	3.5	BAF695ZZ×1	5	13	4
	26		24.83	24.07	28	18	7	11	3	BAF696ZZ×1	6	15	5
	28		26.74	25.98	30	20	7	11	3	BAF696ZZ×1	6	15	5
	30		28.65	27.89	32	23	7	11	3	BAF696ZZ×1	6	15	5
	32	S3M060	30.56	29.8	35	25	7	11	2.5	BAF698ZZ×1	8	19	6
	36		34.38	33.62	40	28	7	11	2.5	BAF698ZZ×1	8	19	6
	40		38.2	37.44	44	32	7	11	2.5	BAY6900ZZ×1	10	22	6
	44		42.02	41.25	48	36	7	11	2.5	BAY6900ZZ×1	10	22	6
	48		45.84	45.07	50	38	7	11	2.5	BAY6900ZZ×1	10	22	6
	50		47.75	46.98	52	40	7	11	2.5	BAY6900ZZ×1	10	22	6
	60		57.3	56.53	61	46	7	11	2.5	BAY6900ZZ×1	10	22	6

Both Sides Bearing

Part Number			Bearing Dimensions										
Code	Teeth	Applicable Belt	P.D.	O.D.	F	E	A	W	dh	No.	d	D	B
EVD21	20	S3M100	19.1	18.34	22	14	11	15	6	BAF674ZZ×2	4	7	2.5
		S3M150					17	21	9	BAF685ZZ×2	5	11	5
	24	S3M100	22.92	22.16	25	16	11	15	11	BAF695ZZ×2	5	13	4
		S3M150					17	21					
	25	S3M100	23.87	23.11	28	18	11	15	13	BAF696ZZ×2	6	15	5
		S3M150					17	21					
	26	S3M100	24.83	24.07	28	18	11	15	13	BAF696ZZ×2	6	15	5
		S3M150					17	21					
	28	S3M100	26.74	25.98	30	20	11	15	13	BAF696ZZ×2	6	15	5
		S3M150					17	21					
	30	S3M100	28.65	27.89	32	23	11	15	13	BAF696ZZ×2	6	15	5
		S3M150					17	21					
	32	S3M100	30.56	29.8	35	25	11	15	17	BAF698ZZ×2	8	19	6
		S3M150					17	21					
	36	S3M100	34.38	33.62	40	28	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					
	40	S3M100	38.2	37.44	44	32	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					
	44	S3M100	42.02	41.25	48	36	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					
	48	S3M100	45.84	45.07	50	38	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					
	50	S3M100	47.75	46.98	52	40	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					
	60	S3M100	57.3	56.53	61	46	11	15	20	BAY6900ZZ×2	10	22	6
		S3M150					17	21					

Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	20	S3M060
	24	
	25	

EVD01-20-S3M060



Please order as shown



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

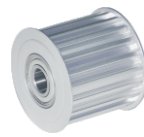


Delivery	
	8

Flanged Idlers with Teeth

◀ S5M Type

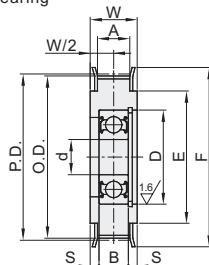
Pitch 5.0



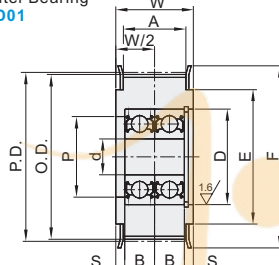
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing, Center Bearing	S5M	5.0	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

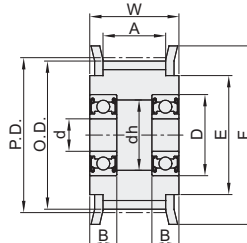
Single Bearing
EVD01



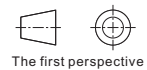
Center Bearing
EVD01



Both Sides Bearing
EVD21



□ Bearings are press-fitted.



□ Single Bearing/Center Bearing

Code	Part Number		P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
	Teeth	Applicable Belt								No.	d	D	B
EVD01	16	S5M100	25.46	24.50	32	20	11	16	5	BAF606ZZ×1	6	17	6
	18	S5M100	28.65	27.69	33	22	11	16		BAF698ZZ×1	8	19	6
	20	S5M100	31.83	30.87	36	24	11	16		BAF698ZZ×1	8	19	6
	22	S5M100	35.01	34.05	40	27	11	16		BAF698ZZ×2	8	19	6
	24	S5M100	38.20	37.24	45	30	11	16	4	BAF628ZZ×1	8	24	8
	25	S5M100	39.79	38.83	45	30	11	16	3	BAF628ZZ×2	8	24	8
	26	S5M100	41.38	40.42	48	35	11	16	4	BAY6000ZZ×1	10	26	8
	28	S5M100	44.56	43.60	48	35	11	16	3	BAY6000ZZ×2	10	26	8
	30	S5M100	47.75	46.79	52	36	11	16	4	BAY6000ZZ×1	10	26	8
	32	S5M100	50.93	49.97	55	40	11	16	3	BAY6000ZZ×2	10	26	8
	36	S5M100	57.30	56.34	61	45	11	16	6.5	BAY6200ZZ×1	10	30	9
	40	S5M100	63.66	62.70	67	50	11	16	3	BAY6200ZZ×2	10	30	9
	16	S5M150	25.46	24.50	32	20	17	22	6	BAY6201ZZ×1	12	32	10
	18	S5M150	28.65	27.69	33	22	17	22	3	BAY6201ZZ×1	12	32	10
	20	S5M150	31.83	30.87	36	24	17	22	3	BAY6000ZZ×2	10	26	8
	22	S5M150	35.01	34.05	40	27	17	22	3	BAY6000ZZ×2	10	26	8

□ Both Sides Bearing

Code	Part Number		P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
	Teeth	Applicable Belt								No.	d	D	B
EVD21	16	S5M150	25.46	24.5	32	20	17	22	15	BAF606ZZ×2	6	17	6
	18	S5M150	28.65	27.69	33	22	17	22	17	BAF698ZZ×2	8	19	6
	20	S5M150	31.83	30.87	36	24	17	22	17	BAF698ZZ×2	8	19	6
	22	S5M150	35.01	34.05	40	27	17	22	20	BAF608ZZ×2	8	22	7
	24	S5M150	38.2	37.24	45	30	17	22	20	BAF608ZZ×2	8	22	7
	25	S5M150	39.79	38.83	45	30	11	16	17	BAF698ZZ×2	8	19	6
	26	S5M150	41.38	40.42	48	35	11	16	20	BAF608ZZ×2	8	22	7
	28	S5M150	44.56	43.6	48	35	11	16	13	BAF696ZZ×2	6	15	5
	30	S5M150	47.75	46.79	52	36	17	22	15	BAF606ZZ×2	6	17	6
	32	S5M150	50.93	49.97	55	40	17	22	25	BAY6200ZZ×2	10	30	9
	36	S5M150	57.3	56.34	61	45	17	22	20	BAY6900ZZ×2	10	22	6
	40	S5M150	63.66	62.7	67	50	17	22	25	BAY6200ZZ×2	10	30	9
	16	S5M250	25.46	24.5	32	20	27	32	15	BAF606ZZ×2	6	17	6
	18	S5M250	28.65	27.69	33	22	27	32	17	BAF698ZZ×2	8	19	6
	20	S5M250	31.83	30.87	36	24	27	32	17	BAF698ZZ×2	8	19	6
	22	S5M250	35.01	34.05	40	27	27	32	20	BAF608ZZ×2	8	22	7
	24	S5M250	38.2	37.24	45	30	27	32	20	BAF608ZZ×2	8	22	7
	25	S5M250	39.79	38.83	45	30	27	32	17	BAF698ZZ×2	8	19	6
	26	S5M250	41.38	40.42	48	35	27	32	20	BAF608ZZ×2	8	22	7
	28	S5M250	44.56	43.6	48	35	27	32	13	BAF696ZZ×2	6	15	5
	30	S5M250	47.75	46.79	52	36	27	32	15	BAF606ZZ×2	6	17	6
	32	S5M250	50.93	49.97	55	40	27	32	25	BAY6200ZZ×2	10	30	9
	36	S5M250	57.3	56.34	61	45	27	32	20	BAY6900ZZ×2	10	22	6
	40	S5M250	63.66	62.7	67	50	27	32	25	BAY6200ZZ×2	10	30	9

□ Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	16	S5M100
EVD01	18	S5M100

EVD01-16-S5M100



Please order as shown



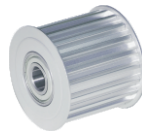
Discount price			
Per	1~4	5~	
Price	100%	Additional quotation	



S8M Type

Pitch 8.0

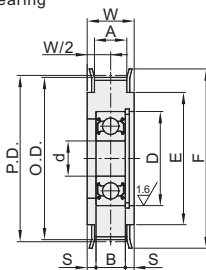
Flanged Idlers with Teeth



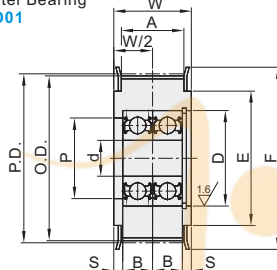
Code	Type	Pulley Type	Pitch	Material			Surface Treatment	
				Main Body	Flange	Bearing	Pulley	Flange
EVD01	Single Bearing, Center Bearing	S8M	8.0	Aluminum Alloy		Steel	Clear Anodize	
EVD21	Both Sides Bearing							

□ Bearing Accuracy: GB / T 307.1 Class 0
Equivalent To: JIS B1514 Class 0

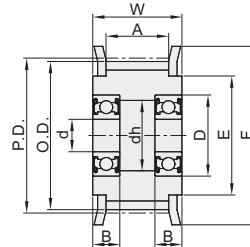
Single Bearing
EVD01



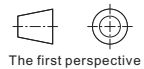
Center Bearing
EVD01



Both Sides Bearing
EVD21



ⓘ Bearings are press-fitted.



□ Single Bearing/Center Bearing

Code	Teeth	Applicable Belt	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			
										No.	d	D	B
EVD01	20	S8M150	50.93	49.56	58	40	17	22	6.0	BAY6201ZZ×1	12	32	10
		S8M250					28	33	5.5	BAY6202ZZ×2	15	35	11
	22	S8M150	56.02	54.65	61	45	17	22	6.0	BAY6201ZZ×1	12	32	10
		S8M150					17	22	6.0	BAY6201ZZ×1	12	32	10
		S8M250					28	33	6.5	BAY6201ZZ×2	12	32	10
	24	S8M300	61.12	59.74	67	50	33	38	8.0	BAY6202ZZ×2	15	35	11
		S8M400					44	49	13.5	BAY6202ZZ×2	15	35	11
	25	S8M150	63.66	62.29	70	56	17	22	5.5	BAY6202ZZ×1	15	35	11
		S8M150					17	22	5.5	BAY6202ZZ×1	15	35	11
	26	S8M150	66.21	64.84	74	58	17	22	5.5	BAY6202ZZ×1	15	35	11
		S8M150					17	22	5.5	BAY6202ZZ×1	15	35	11
	28	S8M150	71.30	69.93	80	60	17	22	5.5	BAY6202ZZ×1	15	35	11
		S8M150					17	22	5.5	BAY6202ZZ×1	15	35	11
	30	S8M250	76.39	75.02	87	67	28	33	5.5	BAY6202ZZ×2	20	47	14
		S8M300					33	38	5.0	BAY6204ZZ×2	20	47	14
		S8M400					44	49	10.5	BAY6204ZZ×2	20	47	14
	32	S8M150	81.49	80.12	87	67	17	22	4.0	BAY6204ZZ×1	20	47	14
		S8M150					17	22	4.0	BAY6204ZZ×1	20	47	14
	34	S8M150	86.58	85.21	95	75	17	22	4.0	BAY6204ZZ×1	20	47	14
		S8M150					17	22	3.5	BAY6205ZZ×1	25	52	15
	40	S8M150	101.86	100.49	111	90	17	22	3.5	BAY6205ZZ×1	25	52	15

□ Both Sides Bearing

Code	Teeth	Applicable Belt	P.D.	O.D.	F	E	A	W	dh	Bearing Dimensions			
										No.	d	D	B
EVD21	22	S8M250	56.02	54.65	61	45	33	38	27	BAY6201ZZ×2	12	32	10
		S8M300					44	49					
		S8M400					28	33					
	24	S8M250	61.12	59.74	67	50	33	38	27	BAY6201ZZ×2	12	32	10
		S8M300					44	49					
		S8M250					28	33					
	25	S8M300	63.66	62.29	70	56	33	38	27	BAY6201ZZ×2	12	32	10
		S8M400					44	49					
		S8M150					17	22	25	BAY6001ZZ×2	12	28	8
	26	S8M250	66.21	64.84	74	58	33	38	27	BAY6201ZZ×2	12	32	10
		S8M300					44	49					
		S8M400					28	33					
	28	S8M300	71.3	69.93	80	60	33	38	30	BAY6202ZZ×2	15	35	11
		S8M400					44	49					
		S8M150					17	22	29	BAY6002ZZ×2	15	32	9
	30A	S8M250	76.39	75.02	87	67	33	38	30	BAY6202ZZ×2	15	35	11
		S8M300					44	49					
		S8M400					28	33	37	BAY6004ZZ×2	20	42	12
	30	S8M300	76.39	75.02	87	67	33	38	41	BAY6204ZZ×2	20	47	14
		S8M400					44	49					
		S8M250					28	33					
	32	S8M300	81.49	80.12	87	67	33	38	41	BAY6204ZZ×2	20	47	14
		S8M400					44	49					
		S8M250					28	33					
	34	S8M300	86.58	85.21	95	75	33	38	41	BAY6204ZZ×2	20	47	14
		S8M400					44	49					
		S8M250					28	33	43	BAY6005ZZ×2	25	47	12
	40	S8M300	101.9	100.5	111	90	33	38	47	BAY6205ZZ×2	25	52	15
		S8M400					44	49					

□ Single Bearing

Part Number		
Code	Teeth	Applicable Belt
EVD01	20	S8M150
	22	

EVD01—20—S8M150



Please order as shown



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



Delivery
8

Centering Function

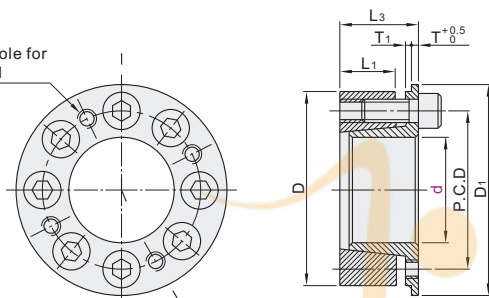
Simple Thick Wall Type

Keyless Bushings

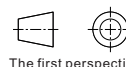
Code	Type		Material	Surface Treatment
EUX16	Simple Thick Wall Type	Centering Function	S45C	—



※ Screw Hole for Removal



※ Thread diameter of screw hole for removal is the same as that of locking screw.



Part Number		D	D ₁	P.C.D	L ₁	L ₃	T	T ₁	Locking Screw		Max. Allowable Torque (N·m)	Allowable Thrust Load (kN)	Screw Tightening Torque (N·m)
Code	d								M×L	Qty.			
EUX16	5	16	18.5	11.7	8	13	1.8	1.2	M3×L10		7	2.8	1.9
	6	19	21.5	14	9	14.3	2.0	1.3			14	4.67	
	8	21	23.5	15.4	9.3	14.6			M4×L12	4	22	5.6	
	10	23	25.5	17.5	9.5	14.8	2.0	1.3			25	5.6	
	11	24	26.5	18.4		15.8				30	5.6		
	12	26	28.5	20.2	10.5	18.0					50	8.41	
	14	28	30.5	22.2			1.5			65	9.46	3.9	
	15	29	31.5	23.2	11.5	19.0			M4×L15	6	70	9.46	
	16	30	33.0	24.2	12.0	19.6	2.5				75	9.46	
	17	31	33.5	25.2				1.6			110	12.6	
	18	32	34.5	26.2	12.5	20.1					115	12.6	
	19	33	35.5	27.2							120	12.6	
	20	38	42.0	30.8	15.3	24.1				8	220	21.6	
	22	40	44.0	32.8			3.0				290	26	
	24	42	46.0	34.8	16.3	25.1					320	26	
	25	43	47.0	35.8		26.1		1.8	M5×L18		350	27.2	8.8
	28	46	50.0	38.8	17.3	26.6					380	27	
	30	48	52.0	40.8			3.5			10	410	27	
	32	50	54.0	42.8	18.3	27.6					440	27	
	35	57	62.0	48.4	19.5	30.0				8	720	41.1	
	38	60	65.0	51.4	20.0	30.5					770	40.2	
	40	62	67.0	53.4	20.5	31.0	4.0			10	810	40.2	
	42	64	69.0	55.4							850	40.2	
	45	67	72.0	58.4	21.0	31.5	2.0	M6×L20			1200	52.9	15.7
	48	70	75.0	61.4		32.0				12	1200	48.2	
	50	72	77.0	63.4	21.5	32.5	4.5				1500	56.3	
	55	77	83.0	68.4					14	1600	56.3		
	60	82	87.0	73.4	22.0	33.5	5.0				1900	60.3	
	65	87	92.0	78.4					15	2000	60.3		



Please order as shown

Part Number	D	D1
Code	d	
EUX16	10	23
	11	24

EUX16—d11



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery

10



Example

