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HERZ PRODUCT CATALOG

HERZ®

HERZ POWER TRANSMISSION

HONEST
EXPERT
RELIABLE
ZEALOUS

GO FURTHER



Zhejiang Herz Power Transmission Co., Ltd.

Zhejiang Herz Power Transmission Co., Ltd. was established in 1995, specializing in the research and production of transmission products. It is a manufacturer of high-quality transmission products in China. The company is located in Cidong Industrial Development Zone, Cixi City, Zhejiang Province, with a production base of over 40,000 square meters and internationally leading manufacturing equipment and testing instruments. We specialize in producing a series of products including agricultural V-belts, rubber timing belts, Poly-V belts special industrial belts, special-used belts, industrial V-belts, automotive timing belts, PU timing belts, etc. Currently, we have reached an annual production scale of 10 million rubber transmission belts of various types.

Vision

To be a world-class transmission parts manufacturer and transmission system provider.

Mission

To provide competitive transmission products to customers

To make contribution to transmission industry

To achieve the happiness of all the employees in their work

1995
Founded



2002
Rubber timing belt business begins



2004
Polyurethane timing belt business begins



2005
Polyurethane timing belt factory completed



1998
Established Beidi Timing Belt Co., Ltd. and register the BEIDI brand to start timing pulley business

2008
Join the National Technical Committee for Pulley and Belt Standardization
Participate in the formulation of relevant national standards

2017
Established Zhejiang Herz Power Transmission Co., Ltd
Register HERZ brand

2019
Established Herz Group Factory and R&D center



2020
Certified as China High-tech Enterprise

2021
Agricultural V- belt industry begins



2024
Developped a nationwide direct sales model and establish sales branches in Shanghai and Zhengzhou



2024
Entered the automotive parts industry and obtained IATF 16949 certification

HERZ CATALOG

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Timing Pulley/Idler/Pulleys/Bushing/Timing Belt Clamp Plate



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Keyless Timing Pulleys
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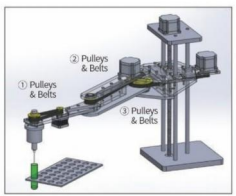


Pulleys and Idlers for Flat Belts
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Timing Belt Clamp Plate
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01 4-DOF robotic arm detection and sampling equipment



Applications: scientific research, medical industry

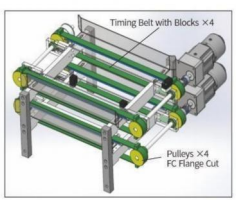
Case Description:

Use a motor and a screw to control the movement position in the vertical direction.
Use a motor to control the pulley and belt to achieve horizontal motion control.
Implement 4-DOF control and use a robotic arm to complete sampling.
Suitable for fields such as mobile operations and medical research.

Parts Description:

The motor shaft output generally uses small toothed MXL small-size pulleys, such as BLA16MXL025-A;
The driven wheel uses a small toothed MXL large-size pulley, such as BLA32MXL025-B;
timing belts generally use circular rubber belts. In the case, ①the circumference of the belt is about 300mm;
②③ The circumference of the belt is about 550mm;
Small pulleys and short belts are suitable for light-load transmission mechanisms with general torque.

02 Double layer belt accessory timing belt panel conveyor



Applications: semiconductor, laser welding, etc

Case Description:

The purpose of this design is to use a double layer timing belt conveyor to achieve the efficient transportation between workstations.

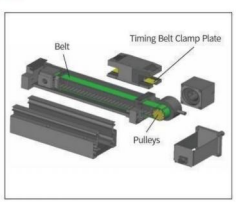
Action description:

For projects such as laser cutting and welding of silicon wafers, the workpiece is transferred from the previous workstation to the next workstation at a conveyor station.

Characteristic:

Both the upper and lower layers use polyurethane timing belts with stoppers to horizontally position the silicon wafer in the forward direction. The timing belt pulley can The timing pulleys may adopt low-flange (FC) machining or center-ribbed designs to ensure unobstructed workpiece transport.

03 Linear module

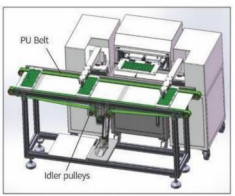


Applications: Field of linear motion

Case Description:

In modular products, synchronous belts and synchronous belt pulleys are often used for reciprocating motion,The back of the belt is interlocked with the toothed plate to drive the slider to move,High torque and high-precision gear type HTD3M or STD3M belt rubber are usually recommended, with a circumference based on the length of the module and a general movement length of less than 1 meter.

04 Photovoltaic panel testing and conveying equipment

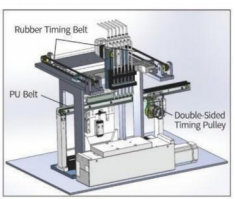


Applications: Photovoltaic industry

Case Description:

Photovoltaic string welding panel testing station conveyor line, a conveyor line for panel performance testing. Recommend using T-shaped teeth for conveying, such as T5 and T10 toothed timing belts and timing belt pulleys. The belt uses a long span connection type polyurethane belt, and the back of the belt is glued with PU adhesive, which can be integrated into one piece.
The PU adhesive surface is covered with cloth, which not only increases friction but also enhances the strength of the belt. The motor is placed at the bottom of the equipment, and multiple idlers are used to tension the belt under the conveyor table.
In the electronics industry, please pay attention to using anti-static timing belts.

05 Glue dispensing machine

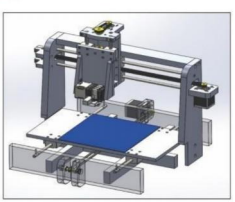


Applications: 3C industry

Case Description:

The main characteristics of the dispensing machine in the 3C industry are that the electronic components that need to be dispensed are small, the load is light, and the operating speed is high.
The middle space is for dispensing operations, so the horizontal console is placed above and fixed with a belt and toothed plate structure and guide rail slider to achieve horizontal movement.
In the vertical direction, pulleys and belts are also used to fix the guide rail slider, and the moxable rubber head is used to achieve up and down movement.
For dispensing with certain precision requirements, S2M or S3M timing belts and pulleys are usually used in conjunction.
Due to the small size of the workpieco, a double row timing belt is used to transport the fixture, and the motor shaft is matched with a double layer timing belts and pulleys to ensure the Timing hronization of the belt conveyor.
Polyurethane belts are recommended for conveying workpieces to ensure low dust levels; The motor drive belt is short and has high tension, and rubber belts are used.

06 3D Printiner



Case Description:

The transmission structure of timing pulleys, timing belt and motor is used in all XYZ directions.

Characteristic:

The Y-axis direction drives the workpiece to be placed on a flat plate, and the load is generally light, such as 10-50N. It belongs to medium precision equipment. Therefore, the output of the motor shaft is matched with the timing pulley, usually using ultra small timing pulleys, such as G2M type pulleys with 16 teeth. Similarly, using G2M timing belt, the belt circumference is selected according to the size of the equipment, usually with a reciprocating stroke of 1 meter. Rubber belts are the main choice for timing belts, with low-speed reciprocating motion and good durability.



TIMING PULLEY

01 Product Overview

Timing pulleys are generally made of metal materials and manufactured through machining and hobbing. The outer side of the timing pulley has a tooth shape, which maintains the same tooth profile and spacing as the equidistant teeth on the inner surface of the timing belt. Its inner hole cooperates with the rotating shaft of the input power. At least two timing pulleys are generally used in conjunction with one timing belt. The power is input to the driving wheel through a power source such as a motor. The teeth of the driving wheel and the timing belt cooperate to output the transmission force on the driven wheel side, achieving the effect of power transmission and workpiece movement.

Herz Transmission adopts standard teech type, which can produce timing belt pulleys/idlers that comply with ISO standards, JIS standards, GB standards or industry standards, and can also customize non-standard parts to drawings.

The product has been widely used in automobiles, textiles, printing and packaging equipment, sewing equipment, office equipment, laser engraving equipment, tobacco, financial instruments, and communication

The fields of food machinery, medical machinery, steel machinery, petrochemicals, instrumentation, various precision machine tools, and various automation equipment.

02 Characteristics

1. Accurate transmission ratio, no sliding;
2. Smooth transmission and low noise;
3. High transmission efficiency and significant energy-saving effect;
4. The coordinated transmission of timing belts and pulleys can alleviate impact and vibration;
5. The center distance is not limited, and with appropriate tensioning structure, long-distance transportation can be achieved.
6. When the load is too large, slippage may occur, which has a certain degree of overload protection;
7. No need to add lubrication, maintain a pollution-free working environment;
8. Simple structure, low cost, easy manufacturing, installation, and maintenance.

03 Usage Method

1. The driving mechanism transmits torque to the driving wheel (driving wheel) through a motor to drive the driven wheel for transmission.
2. The linear driving mechanism uses a free end timing toothed belt (a combination of an open belt and a toothed clamp plate) for reciprocating motion.
3. The conveying mechanism uses a belt conveyor structure with two rows of timing belts to drive the surface workpiece for transmission.

Attention

1. B-shaped and K-shaped pulleys, with the relative position of the keyway and teeth not fixed.
2. B-shaped and K-shaped pulleys, the relative position between the locking threaded hole and the teeth is not fixed.
3. W-shaped, no flange is installed.

Timing Pulley Alteration Machining

Alterations	Set Screw		Flange Assembly			Flange Cut
Profile						
Code	KC90	KC120	NFC	RFC	LFC	FC
Spec	Change an angle of set screw 90°.	Change an angle of set screw 120°.	Flange Not Assembled.	Flange Assembled at Right Side.	Flange Assembled at Left Side.	Flange Cut to reduce Flange' s F dimension.
Attn	For A shape pulley,the set screw hole is set at around 90° to keep away from peaks.		Flange included 2 pcs.	Flange included 1 pcs.	Flange included 1 pcs.	FQ≥O.D+2 FQ≤F−2 0.5mm Inc.
EX	KC90	KC120	NFC	RFC	LFC	FC35

Alterations	Hub Shortening	Change Tapped Hole	Groove for Retainer Ring	Side Tapped Hole		
Profile						
Code	BC	TPC	SRG	QSC	QFC	QTC
Spec	Cut the hub length Shaft Bore Spec. H・V・F 3≤BC≤L−W Shaft Bore spec P・N M+3≤BC≤L−W	Change tapped hole dimension.	Machining groove for retainer ring Spec 2.5~80mm 0.5mm Inc.	For shaft bore Spec. N,keyway and Side tapped hole' s position is not fixed. For A shape/shaft bore V, tapped hole is on the small hole side. A shape:d+M+4≤Q•C≤E−(M+4) B shape:d+M+4≤Q•C≤D−(M+4) Shaft bore Spec. V Z+M+4≤Q•C≤D−(M+4) Q•C:1mm Inc M size:M3、4、5、6、8 is available The pilot hole for tapping may go through. The pilot hole and tooth's position is not fixed		
Attn	Not available for A•K shape.	Not available for G2M、G3M、G5M Y8M.	Only For shafe bore V・F Use retainer ring groove for Z dimension n≤J−SRG−m	Not Avail for P•N•F•Y•WB.	For P•N,use KC90. Not avail for F•Y• WB.	For P•N,KC90 is not suitable Not Avail for F•Y•WB
EX	BC6.5	TPC5	SRG7	QSC30 - M6	QFC30 - M6	QTC30 - M6

■ N:NEW JIS (B1301) keyway Dim.

Code	dH7	b JS9	Tolerance
N8	8	2	+0.0125 0
N10	10		
N11	11	4	+0.018 0
N12	12		
N13	13		
N14	14		
N15	15	5	+0.0150 0
N16	16		
N17	17		
N18	18		
N19	19	6	+0.0180 0
N20	20		
N21	21		
N22	22		
N23	23		
N24	24	8	+0.0221 0
N25	25		
N26	26		
N27	27		
N28	28		
N29	29		
N30	30		
N31	31	10	+0.025 0
N32	32		
N33	33		
N34	34		
N35	35		
N36	36		
N37	37		
N38	38		

Code	dH7	b JS9	Tolerance
N39	39		
N40	40		
N41	41	12	3.3
N42	42		
N43	43		
N44	44		+0.025 0
N45	45		
N46	46	14	3.8
N47	47		
N48	48		
N49	49		
N50	50	15	±0.0215 4.3 +0.2 0
N55	55		
N56	56		
N57	57	18	4.4
N58	58		
N59	59		+0.003 0
N60	60		
N61	61	20	±0.026 4.9
N62	62		
N63	63		
N64	64		
N65	65		
N66	66		
N67	67		
N68	68		
N69	69		
N70	73		

■ C:Old JIS keyway Dim.

dH7 Code	bF7	Tolerance
C10	4	1.5
C12		
C15		
C16	5	+0.022 +0.010 2
C18		
C19		
C20		
C30	7	3
C33		
C34		
C35		
C36	10	+0.026 +0.013 3.5 +0.1 0
C37		
C38		
C39		
C40		
C41		
C42		
C43	12	
C44		
C45		
C50		
C55	15	5
C60		
C61		+0.034 +0.016
C62		
C63		
C64		
C65	18	6
C66		
C67		
C68		
C69		
C70		

■ Retaining Ring Groove Dim.

ZH7	d2	Tolerance	m	Tolerance	n(min)
10	10.4				
11	11.4				
12	12.5				
13	13.6				
14	14.8				
15	15.7		1.15		
16	16.8				
17	17.8	+0.11 0			
20	20				
21	21				
22	22				
24	25.2				
25	26.2				
26	27.2				
28	29.4				
30	31.4				
32	33.7				
35	37				
37	39	+0.21 0			
40	42.5		1.35	+0.14 0	1.5
42	44.5				
45	47.5				
47	49.5				
52	55				
55	58				
60	63	+0.30 0	1.65		
62	65				
68	71		1.9		
72	75				
80	83.6	+0.35	2.2		2
			2.7		2.5

Attn: 1.For shaft bore Spec. N,shaft hole diameter 9.51~54 can not be selected.
2.For shaft bore Spec. H、P、V、F,shaft hole diameter 4.5、6.35 can not be selected.
3.For shaft bore Spec. C, shaft hole diameter 8.9、11.13、14、17、21~55 can not be selected.
4.For shaft bore Spec. N,shaft hole diameter d is within selection range,NK10 can be selected.

Timing Pulley Alteration Machining

Alterations	Side Through Hole			Side Counterbore Holes		
Profile						
Code	KSC	KFC	KTC	ZSC	ZFC	ZTC
Profile	Machine through hole on the side of hub. 1mm increments Hub side thickness min 2mm A shape:d+K+4≤K•C≤E−(K+4) Z+K+4≤K•C≤E−(K+4) B shape:d+K+4≤K•C≤D−(K+4) Shaft bore Spec. V, Z+K+4≤K•C≤D−(K+4) K•C:1mm increments K:0.5mm increments K4.0~~K13.0 Only G2M for K4.0~~K8.0 Though hole may penetrate though. Shaft bore Spec. N, keyway and side through hole's position is not fixed. Side through hole and teeth's position is not fixed.			Machine countbore holes on the opposite side of hub. Hub side thickness min 2mm A shape:d+d2+4≤Z•C≤E−(d2+4) B shape:d+d1+4≤Z•C≤D−(d1+4) Shaft bore Spec. V Z+d2+4≤Z•C≤D−(d2+4) Z¯C :Specify the hole's position (unit:1 mm) ZM:ZM3、4、5、6、8 can be selected. Shape K is not suitable. For shaft bore P、N、C and ZFC、KC90 should be selected. For shaft bore P、N、C and ZTC、KC90 is not suitable. For shaft bore F、Y、WB is not suitable. For shaft bore P、N、C、ZSC is not suitable. Side Countbore and teeth's position is not fixed.		
Attn	Shaft bore spec P•N•F•Y•WB is not suitable.	Shaft bore spec P•N、KC90 should be seleted. For shaft bore F•Y•WB is not suitable.	Shaft bore spec P•N、KC90 can not be seleted. For shaft bore F•Y•WB is not suitable.			
EX	KSC30 - K6	KFC30 - K10.5	KTC30 - K10.5	ZTC28-ZM4		

Bolts dia.	3	4	5	6	8
d1	3.5	4.5	5.5	6.5	9
d2	6.5	8	9.5	11	14
h	3.5	4.5	5.5	6.5	9

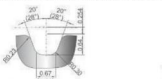
■ Hole Specification

Hole Specification	H Round Hole	P Round Hole+Tap	N New JIS Keyvayed Bore+Tap C Old JIS Keyvayed Bore+Tap	F Stepped Hole (counterbored hole on hub side)
Profile				
Spec	No tapped hole and no screws.	The set screw hole is set at around 120° to keep away from peaks.	The set screw hole is set at around 120° to keep away from peaks.	No tapped hole and no screws Z-V≥2
EX	H5	P6	N10	F15-Z20-J5
Hole specification	V Stepped Holes (A Shape)	V Stepped Holes (B Shape)	V Stepped Holes (B Shape)	WB Double Stepped Hole
Profile				
Spec	No tapped hole and no screws Z-V≥2	No tapped hole and no screws Z-V≥2	No tapped hole and no screws Q-Y≥2; R-Y≥2	No tapped hole and no screws Q-Y≥2; R-Y≥2
EX	V12-Z16-J4	V12-Z16-J4	Q17-R17-S4-T4	WB12-Q25-R20-S4-T4

MXL Timing Pulley

MXL Type High Speed Normal Torque Pulleys

Standard Tooth Profile (ISO standard rack size)



Note:
1.( ): Tooth No.14~23
2.Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	40	MXL	019	B	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

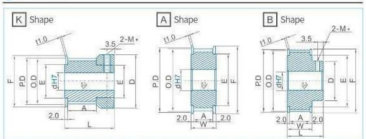
4 Belt Nominal Width

Belt Nominal Width	A	W	L
019=4.8mm	6	10	16.5
025=6.4mm	7.5	11.5	18
037=9.5mm	11	15	22
050=12.7mm	14	18	25

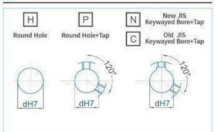
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
3~5	M3	M3x3
6~18	M4	M4x3
19~22	M5	M5x4
25~35	M6	M6x5

5 Pulley Shape



6 Shaft Bore Specs



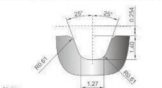
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia					Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A		B·K			P.D	O.D	D	F	E
						H	N•C	H	P	N•C					
	14					3~4	-	3~4	3~4	-	9.06	8.55	12	12	6
	15					3~4	-	3~4	3~4	-	9.70	9.19			
	16			K		3~5	-	3~5	3~5	-	10.35	9.84	14	14	8
	17					3~5	-	3~5	3~5	-	11.00	10.49			
	18					3~5	-	3~5	3~5	-	11.64	11.14			
	19					3~5	-	3~5	3~5	-	12.29	11.78			
	20		019		H	3~7	-	3~6	4~5	-	12.94	12.43			
BLA	21		(4.8mm)			3~7	-	3~6	4~5	-	13.58	13.07	9	18	11
	22			P		3~7	-	3~6	4~5	-	14.23	13.72			
BLH	23		025			3~9	-	3~7	3~7	-	14.88	14.37			
	24		(6.4mm)		N•C	3~9	-	3~7	3~8	-	15.52	15.02	11	20	13
BSY	25	MXL				3~9	-	3~7	3~8	-	16.17	15.66			
	26					3~10	-	3~8	3~9	-	16.82	16.31			
	27		037		F	4~10	-	4~8	4~9	-	17.46	16.96	12	22	14
BSP	28		(9.5mm)	A		4~10	-	4~8	4~9	-	18.11	17.60			
	30				V	4~12	8	4~10	4~9	-	19.40	18.90			
BSM	32		050	B		4~12	8	4~10	4~9	-	20.70	20.19	14	25	16
	34					4~12	8	4~10	4~9	-	21.99	21.48			
	36		(12.7mm)		Y	5~14	8~11	5~12	5~10	8	23.29	22.78	16	28	18
	38					5~14	8~12	5~12	5~10	8	24.58	24.07			
	40					5~16	8~13	5~14	5~10	8~11	25.87	25.36	18	30	20
	42					5~16	8~13	5~14	5~10	8~11	27.17	26.66			
	44					5~19	8~16	5~16	5~14	8~13	28.46	27.95	22	32	23
	46					5~19	8~16	5~16	5~14	8~13	29.75	29.24			
	48					5~21	8~17	5~18	5~16	8~14	31.05	30.54	22	35	25
	50					5~21	8~17	5~18	5~18	8~14	32.34	31.84			
	60					5~28	8~23	5~24	5~20	8~19	38.81	38.30	28	44	32
	72					5~36	8~31	5~26	5~22	8~21	46.57	46.06	30	52	40

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'MXL Timing Pulleys

XL Timing Pulley

XL Type High Speed Normal Torque Pulleys

Standard Tooth Profile (ISO standard rack size)



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	24	XL	025	B	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

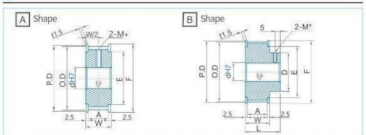
4 Belt Nominal Width

Belt Nominal Width	A	W	L
025=6.4mm	7.5	12.5	21
031=7.9mm	9	14	23
037=9.5mm	11	16	25
050=12.7mm	14	19	28

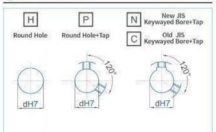
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
4	M3	M3x3
5~12	M4	M4x3
13~17	M5	M5x4
18~35	M6	M6x5

5 Pulley Shape



6 Shaft Bore Specs



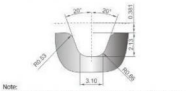
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia					Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B		P.D	O.D	D	F	E
						H	P	N•C	H	P	N•C					
	10					4~8	-	-	4~6	4~6	-	16.17	15.66	10	24	12
	11					4~8	-	-	4~6	4~6	-	17.79	17.28			
	12					4~11	4~8	-	4~8	4~6	-	19.40	18.90	12	25	15
	14					5~14	5~11	8	5~11	5~8	8	22.64	22.13	15	28	18
	15					5~16	5~12	8•10•NK10	5~13	5~10	8•10•NK10	24.26	23.75	17	32	20
	16					6~16	5~13	8~13	5~13	5~10	8•10•NK10	25.87	25.36			
	18		025		H	6~20	6~16	8~15	6~17	5~13	8~13	29.11	28.60	21	36	24
BLA	19		(6.4mm)			6~20	6~16	8~15	6~17	6~15	8~13	30.72	30.22			
	20			P		8~23	8~18	8~16	8~20	8~16	8~15	32.34	31.83	24	40	27
BLH	21		031			8~23	8~18	8~18	8~20	8~16	8~16	33.96	33.45			
	22		(7.9mm)	A	N•C	8~26	8~22	8~20	8~22	8~17	8~16	35.57	35.07	26	45	30
BSY	24					8~26	8~22	8~22	8~22	8~17	8~16	38.81	38.30			
	25	XL				8~31	8~25	8~22	8~26	8~20	8~19	40.43	39.92	30	48	35
	26		037	B	F	8~31	8~25	8~23	8~26	8~20	8~20	42.01	41.53			
BSP	28		(9.5mm)			8~36	8~31	8~25	8~31	8~25	8~20	45.28	44.77	35	55	40
	30				V	10~36	10~30	10~30	8~31	8~25	8~20	48.51	48.00			
BSM	32		050			10~41	10~32	10~32	10~36	10~30	10~25	51.74	51.24			
	34					10~41	10~32	10~32	10~36	10~30	10~25	54.98	54.47			
	36		(12.7mm)		Y	10~46	10~35	10~35	10~36	10~30	10~25	58.21	57.70			
	38					10~46	10~35	10~35	10~36	10~30	10~25	61.45	60.94			
	40					10~54	10~35	10~35	10~36	10~30	10~25	64.68	64.17			
	42					10~54	10~35	10~35	10~36	10~30	10~25	67.91	67.41			
	44					10~56	10~35	10~35	10~36	10~30	10~25	71.15	70.64	40		
	46					10~56	10~35	10~35	10~36	10~30	10~25	74.38	73.87		80	60
	48					10~63	10~35	10~35	10~36	10~30	10~25	77.62	77.11			
	50					10~63	10~35	10~35	10~36	10~30	10~25	80.85	80.34			
	60					10~77	10~35	10~35	10~36	10~30	10~25	97.01	96.51		104	84
	72					10~85	10~35	10~35	10~36	10~30	10~25	116.43	115.92		123	102

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'XL Timing Pulleys

L Timing Pulley

L Type High Speed Normal Torque Pulleys

■ Standard Tooth Profile (ISO standard rack size)



■ Pulley Product No. Example

1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 7 Shaft Bore Specs
BLA	14	L	050	A	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

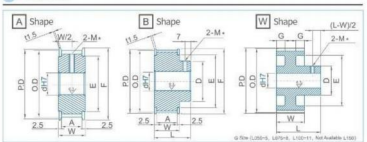
4 Belt Nominal Width

Belt Nominal Width	A	W	L	L Tooth No.≠30
050=12.7mm	14	19	31	39
075=19.1mm	21	26	38	46
100=25.4mm	27	32	44	53
150=38.1mm	40	45	57	-

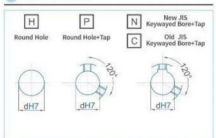
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
6 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



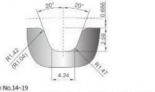
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
	10					6 ~ 20	6 ~ 14	8 ~ 14	6 ~ 18	6 ~ 14	6 ~ 15	30.32	29.56	22	36	24
	12					8 ~ 26	8 ~ 18	8 ~ 18	8 ~ 23	8 ~ 18	8 ~ 18	36.38	35.62	27	45	30
	14					8 ~ 31	8 ~ 23	8 ~ 21	8 ~ 26	8 ~ 20	8 ~ 20	42.45	41.68	30	48	35
	15					8 ~ 31	8 ~ 23	8 ~ 23	8 ~ 26	8 ~ 20	8 ~ 20	45.48	44.72			
	16					10 ~ 36	10 ~ 28	10 ~ 23	10 ~ 28	10 ~ 22	10 ~ 22	48.51	47.75	32	55	40
	17					10 ~ 36	10 ~ 28	10 ~ 26	10 ~ 30	10 ~ 24	10 ~ 23	51.54	50.78	34		
	18		050		H	10 ~ 41	10 ~ 33	10 ~ 34	10 ~ 32	10 ~ 26	10 ~ 23	54.57	53.81	36	61	45
BLA	19		(12.7mm)			12 ~ 46	12 ~ 34	12 ~ 35	12 ~ 34	12 ~ 28	12 ~ 25	57.61	56.84	38	67	50
	20				P	12 ~ 46	12 ~ 34	12 ~ 35	12 ~ 36	12 ~ 30	12 ~ 26	60.64	59.88	40		
BLH	21		075	A		12 ~ 52	12 ~ 40	12 ~ 37	12 ~ 38	12 ~ 30	12 ~ 26	63.67	62.91	42	70	56
	22		(19.1mm)		N•C	12 ~ 53	12 ~ 44	12 ~ 38	12 ~ 41	12 ~ 33	12 ~ 30	66.70	65.94	45	80	60
	24					12 ~ 63	12 ~ 49	12 ~ 44	12 ~ 46	12 ~ 38	12 ~ 30	72.77	72.00			
BSY	25	L				12 ~ 63	12 ~ 49	12 ~ 45	12 ~ 46	12 ~ 38	12 ~ 30	75.80	75.04	50	87	67
	26		100		F	12 ~ 63	12 ~ 49	12 ~ 45	12 ~ 46	12 ~ 38	12 ~ 30	78.83	78.07			
BSP	28		(25.4mm)			12 ~ 71	12 ~ 57	12 ~ 50	12 ~ 46	12 ~ 38	12 ~ 30	84.89	84.13		95	75
	30			B	V	12 ~ 72	12 ~ 62	12 ~ 55	12 ~ 52	12 ~ 42	12 ~ 34	90.96	90.20	56	99	80
	32					14 ~ 76	14 ~ 65	14 ~ 55	14 ~ 52	14 ~ 42	14 ~ 34	97.02	96.26		104	84
BSM	34		150			14 ~ 83	14 ~ 70	14 ~ 55	14 ~ 59	14 ~ 49	14 ~ 41	103.08	102.32		111	90
	36		(38.1mm)		Y	14 ~ 85	14 ~ 70	14 ~ 55	14 ~ 59	14 ~ 49	14 ~ 41	109.15	108.39	63	123	102
	38					15 ~ 85	15 ~ 70	15 ~ 55	15 ~ 59	15 ~ 49	15 ~ 41	115.21	114.45		127	105
	40					15 ~ 85	15 ~ 70	15 ~ 55	15 ~ 59	15 ~ 49	15 ~ 41	121.28	120.51		131	110
	42					16 ~ 85	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	127.34	126.58		135	115
	44					16 ~ 85	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	133.40	132.64		140	120
	46					16 ~ 85	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	139.47	137.71		144	125
	48					16 ~ 85	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	145.53	144.77	71	152	130
	50					16 ~ 85	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	151.60	150.83		160	140
	60			A		16 ~ 105	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	181.91	181.15		190	170(160)
	72			W		16 ~ 105	16 ~ 70	16 ~ 55	16 ~ 67	16 ~ 57	16 ~ 49	218.30	217.53		225	200(197)

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. When it is in the shape of W, the dimension of E is the data within ().
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:L Timing Pulleys

H Timing Pulley

H Type High Speed Normal Torque Pulleys

■ Standard Tooth Profile (ISO standard rack size)



■ Pulley Product No. Example

1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 7 Shaft Bore Specs
BLA	18	H	075	B	N12

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

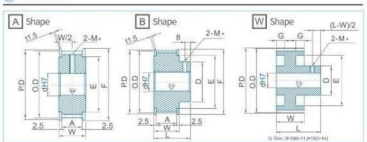
4 Belt Nominal Width

Belt Nominal Width	A	W	L	L Tooth No.≠40	L Tooth No.=40
075=19.1mm	21	26	41	-	-
100=25.4mm	27	32	47	53	58
150=38.1mm	40	45	60	65	70
200=50.8mm	54	59	74	-	-
300=76.2mm	80	85	100	-	-

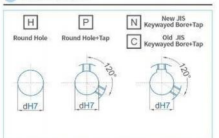
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 46	M8	M8x6
47 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



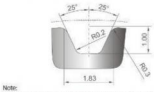
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
	14					12 ~ 41	12 ~ 30	12 ~ 30	12 ~ 35	12 ~ 29	12 ~ 25	56.60	55.22	39	61	45
	15					12 ~ 46	12 ~ 34	12 ~ 31	12 ~ 41	12 ~ 33	12 ~ 29	60.64	59.27	45	67	50
	16					12 ~ 52	12 ~ 40	12 ~ 36	12 ~ 44	12 ~ 36	12 ~ 30	64.68	63.31	48	70	56
	17					12 ~ 56	12 ~ 44	12 ~ 41	12 ~ 44	12 ~ 36	12 ~ 30	68.72	67.35		80	60
	18		075			12 ~ 56	12 ~ 44	12 ~ 44	12 ~ 46	12 ~ 38	12 ~ 35	72.77	71.39	50		
	19		(19.1mm)		H	14 ~ 63	14 ~ 49	14 ~ 47	14 ~ 46	14 ~ 38	14 ~ 35	76.81	75.44		87	67
BLA	20					14 ~ 63	14 ~ 50	14 ~ 50	14 ~ 54	14 ~ 46	14 ~ 38	80.85	79.48			
	21		100	A	P	14 ~ 67	14 ~ 57	14 ~ 50	14 ~ 54	14 ~ 46	14 ~ 38	84.89	83.52	58	95	75
BLH	22		(25.4mm)			14 ~ 67	14 ~ 57	14 ~ 50	14 ~ 54	14 ~ 46	14 ~ 38	88.94	87.56			
	24				N•C	16 ~ 76	16 ~ 65	16 ~ 55	16 ~ 54	16 ~ 46	16 ~ 38	97.01	95.65		104	84
BSY	25	H	150	B		16 ~ 80	16 ~ 65	16 ~ 55	16 ~ 59	16 ~ 49	16 ~ 41	101.06	99.69		111	90
	26		(38.1mm)		F	20 ~ 84	16 ~ 70	20 ~ 55	20 ~ 59	20 ~ 49	20 ~ 41	105.11	103.73			
BSP	28		200			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 59	20 ~ 49	20 ~ 41	113.19	111.82	63	123	102
	30				V	20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 59	20 ~ 49	20 ~ 41	121.28	119.90		127	105
	32					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 59	20 ~ 49	20 ~ 43	129.36	127.99		135	115
BSM	34		300			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 67	20 ~ 57	20 ~ 49	137.45	136.07		144	125
	36		(76.2mm)		Y	20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 67	20 ~ 57	20 ~ 49	145.53	144.16	71	152	130
	38					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	153.62	152.24		165	140(126)
	40					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	161.70	160.33		170	150(135)
	42			A		20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	169.79	168.41		180	155(143)
	44					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	177.87	176.50	88	190	170(152)
	48			W		20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	194.04	192.67		205	180(168)
	50					20 ~ 105	20 ~ 70	20 ~ 55	20 ~ 72	20 ~ 62	20 ~ 55	202.13	200.76		210	185(175)
	60					20 ~ 105	20 ~ 70	20 ~ 55	25 ~ 72	25 ~ 62	25 ~ 55	242.55	241.18		-	216
	72			W		20 ~ 105	20 ~ 70	20 ~ 55	25 ~ 72	25 ~ 62	25 ~ 55	291.06	289.69		-	265

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8. 2. When it is in the shape of W, the dimension of E is the data within ().
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:H Timing Pulleys

T2.5 Timing Pulley

T2.5 Type High Speed Normal Torque Pulleys

■ Standard Tooth Profile (ISO standard rack size)



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	20	T2.5	060	A	H5

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

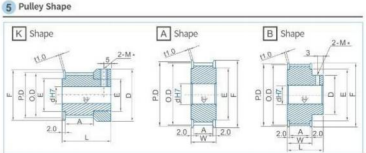
4 Belt Nominal Width

Belt Nominal Width	A	W	L
060=6mm	7	11	18
100=10mm	11	15	22
150=15mm	16	20	27

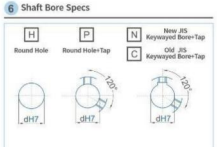
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
3 ~ 5	M3	M3x3
6 ~ 18	M4	M4x3
19 ~ 21	M5	M5x4

5 Pulley Shape



6 Shaft Bore Specs



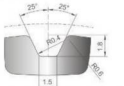
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A N+C	B-K H	B-K P	B-K N+C	Other Dimensions P.D	O.D	D	F	E
	16					3-4.5	-	3-4.5	3-4.5	-	12.73	12.22	16	16	9.5
	18					3~6	-	4~6	4-5	-	14.32	13.82	18	18	11
	20			K		3~6	-	4~6	4-5	-	15.92	15.41	20	20	12
	21					3~6	-	4~6	4-5	-	16.71	16.20	21	21	13
	22					3~6	-	4~6	4-5	-	17.51	17.00	23	23	13
	23				H	3~8	-	4~7	3~7	-	18.30	17.79	25	25	14
BLA	24					3~8	-	4~7	3~7	-	19.10	18.59	25	25	14
	25		060		P	3~8	-	4~7	3~7	-	19.89	19.39	13	25	16
BLH	26		(6mm)			3~9	-	4~8	3~8	-	20.69	20.18	13	25	16
	27				N+C	4~9	-	4~8	4~8	-	21.49	20.98	14	25	16
BSY	28	T2.5	100			4~9	-	4~8	4~8	-	22.28	21.77	13	25	16
	30		(10mm)		F	4~11	8	4~10	4~8	-	23.87	23.37	16	28	18
BSP	32					4~11	8	4~10	4~8	-	25.47	24.96	16	30	20
	34		150		V	4~11	8	4~10	4~8	-	27.06	26.55	18	32	23
BSM	36		(15mm)	A		5~13	8~11	5~12	5~10	8	28.65	28.14	20	32	23
	38				Y	5~13	8~11	5~12	5~10	8	30.24	29.73	22	35	25
	40					5~15	8~13	5~14	5~10	8-10	31.83	31.32	22	35	25
	42			B		5~15	8~13	5~14	5~10	8-10	33.42	32.91	24	38	29
	44					5~18	8~16	5~16	5~12	8~12	35.01	34.51	24	40	28
	45					5~18	8~16	5~16	5~12	8~12	35.81	35.30	26	40	28
	48					5~20	8~18	5~18	5~13	8~13	38.20	37.69	26	44	32
	54					5~20	8~18	5~18	5~13	8~13	42.97	42.46	30	48	36
	57					5~27	8~25	5~24	5~20	8~16	45.36	44.85	32	52	40
	60					5~35	8~35	5~26	5~21	8~18	47.75	47.24	34	52	40

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:T2.5 Timing Pulleys

T5 Timing Pulley

T5 Type High Speed Normal Torque Pulleys

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	20	T5	100	B	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

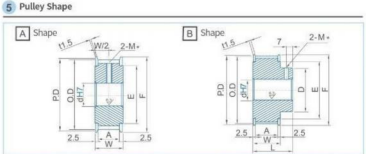
4 Belt Nominal Width

Belt Nominal Width	A	W	L
100=10mm	11	16	28
150=15mm	17	22	34
200=20mm	22	27	39
250=25mm	27	32	44

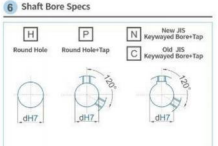
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 50	M8	M8x6

5 Pulley Shape



6 Shaft Bore Specs



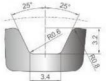
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N+C	B H	B P	B N+C	Other Dimensions P.D	O.D	D	F	E
	12					5~8	5~8	8	-	-	-	19.10	18.25	-	24	12
	14					5~12	5~10	8-10×NK10	5~10	5~8	-	22.28	21.45	14	26	16
	15					5~14	5~10	8-10×NK10	5~11	5~8	-	23.87	23.05	15	28	18
	16					6~16	6~12	8~12	6~13	6~10	8	25.46	24.60	17	32	20
	18					6~18	6~12	8~12	6~15	6~11	8-10×NK10	28.65	27.80	19	33	22
	20		100		H	6~20	6~16	8~16	6~15	6~12	8-10×NK10	31.83	31.00		36	24
BLA	22		(10mm)			7~23	7~18	8~18	7~20	7~15	8~12	35.01	34.25	24	40	27
	24				P	7~26	7~20	8~20	7~23	7~17	8~13	38.20	37.40	27	45	30
BLH	25		150			7~26	7~20	8~20	7~23	7~18	8~15	39.79	39.00			
	26		(15mm)	A	N+C	8~31	8~23	8~22	8~27	8~21	8~17	41.38	40.60	31		
BSY	28	T5				8~31	8~24	8~24	8~28	8~22	8~18	44.56	43.75	32	48	35
	30		200		F	10~32	10~26	10~26	10~29	10~23	10~18	47.75	46.95	33	52	36
BSP	32		(20mm)	B		10~36	10~28	10~28	10~33	10~27	10~22	50.93	50.10	37	55	40
	34				V	10~41	10~30	10~30	10~36	10~30	10~25	54.11	53.23	40	61	45
BSM	36		250			10~41	10~30	10~30	10~36	10~30	10~25	57.30	56.45	40	61	45
	38		(25mm)		Y	10~46	10~38	10~38	10~43	10~37	10~30	63.66	62.85	47	67	50
	40					12~54	12~42	12~40	12~46	12~40	12~32	70.03	69.20	50	74	58
	44					12~59	12~47	12~40	12~56	12~45	12~40	76.39	75.55	60	83	63
	48					12~63	12~50	12~43	12~59	12~47	12~45	79.58	78.75	63	87	67
	50					12~76	12~50	12~45	12~71	12~50	12~50	95.49	94.65	75	99	80

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:T5 Timing Pulleys

T10 Timing Pulley

T10 Type High Speed Normal Torque Pulleys

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	16	T10	150	B	N14

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

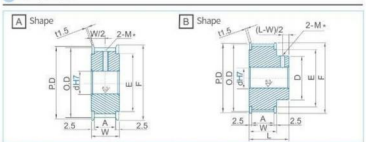
4 Belt Nominal Width

Belt Nominal Width	A	W	L	L Tooth No. 61~120
150=15mm	17	22	37	37
200=20mm	22	27	42	42
250=25mm	27	32	47	52
300=30mm	32	37	52	57
400=40mm	43	48	61	63
500=50mm	53	58	70	70

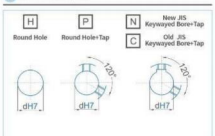
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
8 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



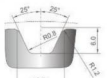
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
	12					8 ~ 23	8 ~ 18	8 ~ 18	-	-	-	38.20	36.35	-	40	27
	14					10 ~ 31	10 ~ 26	10 ~ 26	10 ~ 28	10 ~ 22	10 ~ 20	44.56	42.70	32	48	35
	15					10 ~ 32	10 ~ 26	10 ~ 26	10 ~ 29	10 ~ 23	10 ~ 20	47.75	45.90	33	52	36
	16		150			12 ~ 36	12 ~ 30	12 ~ 30	12 ~ 33	12 ~ 27	12 ~ 22	50.93	49.05	37	58	40
	18		(15mm)			12 ~ 41	12 ~ 30	12 ~ 30	12 ~ 36	12 ~ 30	12 ~ 25	57.30	55.45	40	61	45
	20				H	12 ~ 46	12 ~ 40	12 ~ 40	12 ~ 43	12 ~ 35	12 ~ 29	63.66	61.80	47	67	50
BLA	22		200			12 ~ 56	12 ~ 48	12 ~ 48	12 ~ 46	12 ~ 38	12 ~ 32	70.03	68.15	50	80	60
	24		(20mm)		P	12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 56	12 ~ 46	12 ~ 40	76.39	74.55	60		
BLH	25		250			12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 59	12 ~ 49	12 ~ 43	79.58	77.70	63	87	67
	26		(25mm)	A	N•C	12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 59	12 ~ 49	12 ~ 43	82.76	80.90	63		
BSY	28	T10				12 ~ 68	12 ~ 57	12 ~ 50	12 ~ 66	12 ~ 56	12 ~ 48	89.13	87.25	70	95	75
	30		300	B	F	12 ~ 76	12 ~ 65	12 ~ 55	12 ~ 71	12 ~ 61	12 ~ 50	95.49	93.65	75	104	84
BSP	32		(30mm)			20 ~ 80	20 ~ 70	20 ~ 55	20 ~ 80	20 ~ 65	20 ~ 55	101.86	100.00	85	111	90
	34		400		V	20 ~ 80	20 ~ 70	20 ~ 55	20 ~ 84	20 ~ 70	20 ~ 55	108.23	106.38	90	119	100
BSM	36		(40mm)			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	114.59	112.75	95	123	102
	40				Y	20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	127.32	125.45	100	135	115
	44		500			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	140.06	138.20	100	152	130
	48		(50mm)			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	152.79	150.95	100	160	140
	50					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	159.15	157.30	100	170	150
	60					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	190.99	189.10	100	200	175

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'T10 Timing Pulleys

T20 Timing Pulley

T20 Type High Speed Normal Torque Pulleys

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	40	T20	1000	W	H40

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

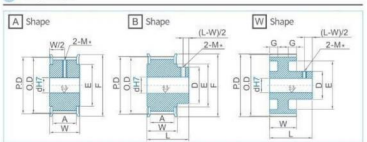
4 Belt Nominal Width

Belt Nominal Width	A	W	L	G
320=32mm	35	41	70	12
500=50mm	57	65	94	20
750=75mm	80	88	118	25
1000=100mm	105	113	143	30
1150=115mm	120	130	160	35

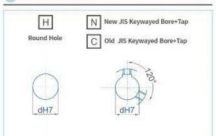
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



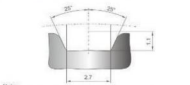
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A N•C	B•W H	B•W N•C	Other Dimensions P.D	O.D	D	F	E
	18					24 ~ 45	24 ~ 40	24 ~ 45	24 ~ 40	114.59	111.76	65	120	80
	19					24 ~ 45	24 ~ 42	24 ~ 45	24 ~ 42	120.96	118.13	65	130	80
	20					24 ~ 50	24 ~ 45	24 ~ 50	24 ~ 45	127.32	124.49	85	136	90
	21		320			24 ~ 60	24 ~ 55	24 ~ 60	24 ~ 55	133.69	130.86	85	142	92
	22		(32mm)		H	25 ~ 60	25 ~ 55	25 ~ 60	25 ~ 55	140.06	137.23	90	150	100
BLA	24		500			25 ~ 75	25 ~ 65	25 ~ 75	25 ~ 65	152.79	149.96	95	158	112
	25		(50mm)	B	N•C	28 ~ 75	28 ~ 65	28 ~ 75	28 ~ 65	159.15	156.32	95	168	120
BLH	26					28 ~ 75	28 ~ 65	28 ~ 75	28 ~ 65	165.52	162.69	95	175	126
BSY	28	T20	750		F	28 ~ 85	28 ~ 72	28 ~ 85	28 ~ 72	171.89	169.06	95	181	134
	30		(75mm)			28 ~ 85	28 ~ 72	28 ~ 85	28 ~ 72	178.25	175.42	110	187	140
BSP	32		1000		V	32 ~ 85	32 ~ 75	32 ~ 85	32 ~ 75	190.99	188.16	110	200	152
	34		(100mm)			32 ~ 85	32 ~ 75	32 ~ 85	32 ~ 75	203.72	200.89	110	-	160
BSM	36				Y	35 ~ 85	35 ~ 75	35 ~ 85	35 ~ 75	216.45	213.62	110	-	174
	38		1150			35 ~ 85	35 ~ 75	35 ~ 85	35 ~ 75	241.91	239.08	110	-	199
	40		(115mm)			35 ~ 85	35 ~ 75	35 ~ 85	35 ~ 75	254.65	251.82	110	-	212
	48				W	40 ~ 95	40 ~ 85	40 ~ 95	40 ~ 85	305.58	302.75	130	-	262
	60					40 ~ 95	40 ~ 85	40 ~ 95	40 ~ 85	381.97	379.14	130	-	340

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'T20 Timing Pulleys

AT5 Timing Pulley

AT5 Type High Load Trapezoidal Tooth Pulley for Conveying

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	30	AT5	150	B	N12

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

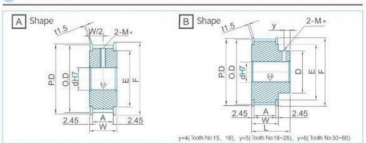
4 Belt Nominal Width

Belt Nominal Width	A	W	L Tooth No.15~28	L Tooth No.29~48	L Tooth No.49~60
100=10mm	11.6	16.5	25	27	29
150=15mm	16.6	21.5	30	32	34

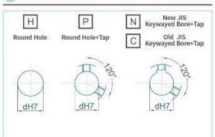
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 50	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



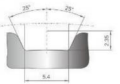
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions				
						A			B							
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	H	P	N•C	H	P	N•C	P.D	O.D	D	F	E
BLA	15	AT5	100 (10mm)	A	H	5 ~ 14	5 ~ 10	8.10	5 ~ 10	5 ~ 8	-	23.87	22.65	13	28	18
	16					6 ~ 16	6 ~ 12	8 ~ 12	6 ~ 12	6 ~ 10	8	25.46	24.20	16	32	20
	18					6 ~ 18	6 ~ 12	8 ~ 12	6 ~ 12	6 ~ 11	8.1	28.65	27.40		33	22
	20					6 ~ 20	6 ~ 16	8 ~ 16	6 ~ 16	6 ~ 12	8.1	31.83	30.60	20	36	24
	22				P	7 ~ 23	7 ~ 18	8 ~ 18	7 ~ 16	7 ~ 15	8 ~ 12	35.01	33.85		40	27
	24					7 ~ 26	7 ~ 20	8 ~ 20	7 ~ 22	7 ~ 17	8 ~ 13	38.20	37.00	25	45	30
BLH	25					7 ~ 26	7 ~ 20	8 ~ 20	7 ~ 22	7 ~ 18	8 ~ 15	39.79	38.60			
	26				N•C	8 ~ 31	8 ~ 22	8 ~ 22	8 ~ 27	8 ~ 21	8 ~ 17	41.38	40.20	30	48	35
BSY	28		150 (15mm)	B		8 ~ 31	8 ~ 24	8 ~ 24	8 ~ 27	8 ~ 22	8 ~ 18	44.56	43.35			
	30				F	10 ~ 33	10 ~ 26	10 ~ 26	10 ~ 31	10 ~ 23	10 ~ 18	47.75	46.55	35	55	40
BSP	32				V	10 ~ 36	10 ~ 28	10 ~ 28	10 ~ 31	10 ~ 27	10 ~ 22	50.93	49.70			
	36					10 ~ 41	10 ~ 30	10 ~ 30	10 ~ 36	10 ~ 30	10 ~ 25	57.30	56.05	40	61	45
BSM	40				Y	10 ~ 46	10 ~ 38	10 ~ 38	10 ~ 40	10 ~ 35	10 ~ 29	63.66	62.45		67	50
	44					12 ~ 54	12 ~ 42	12 ~ 40	12 ~ 40	12 ~ 35	12 ~ 30	70.03	68.80		74	58
	48					12 ~ 59	12 ~ 45	12 ~ 40	12 ~ 40	12 ~ 35	12 ~ 30	76.39	75.15	45	83	63
	50					12 ~ 63	12 ~ 47	12 ~ 45	12 ~ 40	12 ~ 35	12 ~ 30	79.58	78.35		87	67
	60					12 ~ 77	12 ~ 50	12 ~ 50	12 ~ 40	12 ~ 35	12 ~ 30	95.49	94.25		99	80

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'AT5 Timing Pulleys

AT10 Timing Pulley

AT10 Type High Load Trapezoidal Tooth Pulley for Conveying

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	20	AT10	250	B	N12

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

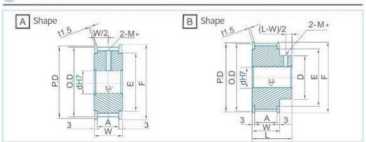
4 Belt Nominal Width

Belt Nominal Width	A	W	L Tooth No.14~28	L Tooth No.30~48
150=15mm	16.5	22.5	38	40
200=20mm	21.5	27.5	43	45
250=25mm	26.5	32.5	48	50

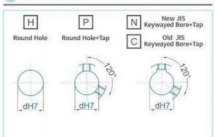
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
10 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 50	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions				
						A			B							
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	H	P	N•C	H	P	N•C	P.D	O.D	D	F	E
BLA	14	AT10	150 (15mm)	A	H	10 ~ 32	10 ~ 26	10 ~ 26	10 ~ 27	10 ~ 22	10 ~ 18	44.56	42.70	34	52	36
	15					10 ~ 33	10 ~ 26	10 ~ 26	10 ~ 28	10 ~ 23	10 ~ 20	47.75	45.90		58	40
	16					12 ~ 36	12 ~ 30	12 ~ 30	12 ~ 31	12 ~ 25	12 ~ 20	50.93	49.05	35		
	18					12 ~ 41	12 ~ 30	12 ~ 30	12 ~ 31	12 ~ 25	12 ~ 20	57.30	55.45		61	45
	20					12 ~ 46	12 ~ 40	12 ~ 40	12 ~ 36	12 ~ 30	12 ~ 25	63.66	61.80	40	67	50
	22				P	12 ~ 56	12 ~ 48	12 ~ 48	12 ~ 36	12 ~ 30	12 ~ 25	70.03	68.15		80	60
BLH	24					12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 46	12 ~ 38	12 ~ 32	76.39	74.55			
	25		200 (20mm)			12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 46	12 ~ 38	12 ~ 32	79.58	77.70	50	87	67
BSY	26				N•C	12 ~ 63	12 ~ 50	12 ~ 50	12 ~ 46	12 ~ 38	12 ~ 32	82.76	80.90			
	28			B		12 ~ 68	12 ~ 57	12 ~ 55	12 ~ 55	12 ~ 45	12 ~ 40	89.13	87.25		95	75
BSP	30				F	12 ~ 76	12 ~ 65	12 ~ 55	12 ~ 55	12 ~ 45	12 ~ 40	95.49	93.65		104	84
	32		250 (25mm)		V	20 ~ 80	20 ~ 70	20 ~ 55	20 ~ 55	20 ~ 45	20 ~ 40	101.86	100.00		111	90
BSM	36					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 55	20 ~ 45	20 ~ 40	114.59	112.75	60	123	102
	40				Y	20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 55	20 ~ 45	20 ~ 40	127.32	125.45		135	115
	44					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 55	20 ~ 45	20 ~ 40	140.06	138.20		152	130
	48					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 55	20 ~ 45	20 ~ 40	152.79	150.95		160	140

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'AT10 Timing Pulleys

HTD3M Timing Pulley

HTD3M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	32	H3M	090	B	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

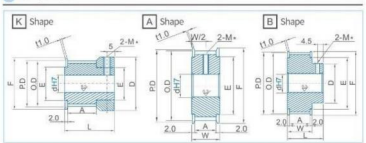
4 Belt Nominal Width

Belt Nominal Width	A	W	L
060=6mm	7	11	19
090=9mm	11	15	23
120=12mm	14	18	26
150=15mm	17	21	29
200=20mm	22	26	34

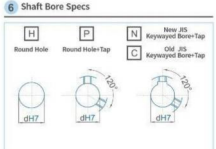
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
4 ~ 5	M3	M3x3
6 ~ 17	M4	M4x3
18 ~ 33	M5	M5x4
34 ~ 46	M6	M6x5

5 Pulley Shape



6 Shaft Bore Specs



1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B-K			P.D	O.D	D	E
						H	P	N+C	H	P	N+C				
	14					4 ~ 6	4	-	4 ~ 6	4 ~ 6	-	13.37	12.61	16	16
	15					4 ~ 7	4+4.5+5	-	4 ~ 6	4 ~ 6	-	14.32	13.56	18	18
	16			K		4 ~ 7	4+4.5+5	-	4 ~ 7	4 ~ 7	-	15.28	14.52		11
	18					4 ~ 9	4 ~ 6	-	4 ~ 8	4 ~ 8	-	17.19	16.43	20	20
	19			A		4 ~ 10	4 ~ 6	-	4 ~ 8	4 ~ 8	-	18.14	17.34	22	22
	20		060		H	4 ~ 10	4 ~ 6	-	4 ~ 8	4 ~ 8	-	19.10	18.34	22	22
BLA	22		(6mm)			4 ~ 12	4 ~ 8	-	4 ~ 10	4 ~ 10	-	21.01	20.25	25	25
	24				P	4 ~ 12	4 ~ 10	-	4 ~ 10	4 ~ 8	-	22.92	22.16	14	25
BLH	25		090			4 ~ 14	4 ~ 11	8 ~ 11	4 ~ 12	4 ~ 10	8	23.87	23.11		16
	26		(9mm)		N+C	5 ~ 14	5 ~ 11	8 ~ 11	5 ~ 12	5 ~ 10	8	24.83	24.07	16	28
BSY	28	H3M				5 ~ 16	5 ~ 13	8 ~ 13	5 ~ 14	5 ~ 10	8	26.74	25.98	18	30
	30		120		F	6 ~ 19	6 ~ 14	8 ~ 14	6 ~ 16	6 ~ 12	8 ~ 11	28.65	27.89	20	32
BSP	32		(12mm)	A		6 ~ 21	6 ~ 17	8 ~ 17	6 ~ 16	6 ~ 12	8 ~ 11	30.56	29.80		35
	34				V	6 ~ 24	6 ~ 18	8 ~ 18	6 ~ 22	6 ~ 18	8 ~ 15	32.47	31.71	26	40
BSM	36		150	B		6 ~ 24	6 ~ 18	8 ~ 19	6 ~ 22	6 ~ 18	8 ~ 15	34.38	33.62		28
	40		(15mm)		Y	8 ~ 28	8 ~ 23	8 ~ 23	8 ~ 26	8 ~ 21	8 ~ 17	38.20	37.44	30	44
	44					8 ~ 32	8 ~ 26	8 ~ 25	8 ~ 28	8 ~ 23	8 ~ 18	42.02	41.25	32	48
	48					8 ~ 34	8 ~ 28	8 ~ 27	8 ~ 30	8 ~ 25	8 ~ 20	45.84	45.07	34	50
	50					8 ~ 36	8 ~ 30	8 ~ 29	8 ~ 30	8 ~ 25	8 ~ 20	47.75	46.98		52
	60					8 ~ 42	8 ~ 34	8 ~ 35	8 ~ 35	8 ~ 30	8 ~ 22	57.30	56.53	39	61
	72					8 ~ 54	8 ~ 46	8 ~ 45	8 ~ 46	8 ~ 38	8 ~ 33	68.76	67.99	50	74

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'HTD3M Timing Pulleys

HTD5M Timing Pulley

HTD5M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	20	H5M	150	B	N10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

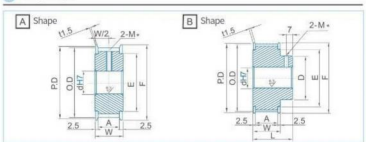
4 Belt Nominal Width

Belt Nominal Width	A	W	L
090=9mm	11	16	28
150=15mm	17	22	34
200=20mm	22	27	39
250=25mm	27	32	44
300=30mm	32	37	49

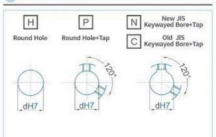
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	F	E
						H	P	N+C	H	P	N+C					
	14					5 ~ 12	5 ~ 10	8 · 10 · NK10	5 ~ 10	5 ~ 8	-	22.28	21.14	14	26	16
	15					5 ~ 14	5 ~ 10	8 · 10 · NK10	5 ~ 11	5 ~ 8	-	23.87	22.73	15	28	18
	16					5 ~ 16	5 ~ 12	8 ~ 12	5 ~ 13	5 ~ 10	8	25.46	24.32	17	32	20
	18		090			6 ~ 18	6 ~ 12	8 ~ 12	6 ~ 15	6 ~ 11	8 · 10 · NK10	28.65	27.51		33	22
	19		(9mm)			6 ~ 20	6 ~ 16	8 ~ 16	6 ~ 15	6 ~ 11	8 · 10 · NK10	30.24	29.10	19	36	24
	20				H	6 ~ 20	6 ~ 16	8 ~ 16	6 ~ 15	6 ~ 11	8 · 10 · NK10	31.83	30.69		36	24
BLA	22					7 ~ 23	7 ~ 18	8 ~ 18	7 ~ 20	7 ~ 16	8 ~ 12	35.01	33.87	24	40	27
	24		150		P	7 ~ 26	7 ~ 20	8 ~ 20	7 ~ 23	7 ~ 17	8 ~ 13	38.20	37.06			
BLH	25		(15mm)	A		7 ~ 26	7 ~ 20	8 ~ 20	7 ~ 23	7 ~ 17	8 ~ 15	39.79	38.65	27	45	30
	26				N+C	8 ~ 31	8 ~ 23	8 ~ 22	8 ~ 27	8 ~ 21	8 ~ 17	41.38	40.24	31		
BSY	28	H5M	200			8 ~ 31	8 ~ 24	8 ~ 24	8 ~ 28	8 ~ 22	8 ~ 18	44.56	43.42	32	48	35
	30		(20mm)		F	10 ~ 32	10 ~ 26	10 ~ 26	10 ~ 29	10 ~ 23	10 ~ 18	47.75	46.61	33	52	36
BSP	32			B		10 ~ 36	10 ~ 28	10 ~ 28	10 ~ 33	10 ~ 27	10 ~ 22	50.93	49.79	37	55	40
	34		250		V	10 ~ 41	10 ~ 33	10 ~ 33	10 ~ 36	10 ~ 30	10 ~ 25	54.11	52.97	40	61	45
BSM	36		(25mm)			10 ~ 41	10 ~ 33	10 ~ 33	10 ~ 36	10 ~ 30	10 ~ 25	57.30	56.16			
	40				Y	10 ~ 46	10 ~ 38	10 ~ 38	10 ~ 43	10 ~ 35	10 ~ 28	63.66	62.52	47	67	50
	44		300			12 ~ 54	12 ~ 42	12 ~ 40	12 ~ 46	12 ~ 38	12 ~ 32	70.03	68.89	50	74	58
	48		(30mm)			12 ~ 59	12 ~ 45	12 ~ 40	12 ~ 56	12 ~ 45	12 ~ 40	76.39	75.25	60	83	63
	50					12 ~ 63	12 ~ 50	12 ~ 43	12 ~ 59	12 ~ 47	12 ~ 43	79.58	78.44	63	87	67
	60					12 ~ 76	12 ~ 50	12 ~ 50	12 ~ 71	12 ~ 50	12 ~ 50	95.49	94.35	75	99	80
	72					12 ~ 85	12 ~ 70	12 ~ 55	12 ~ 80	12 ~ 70	12 ~ 55	114.59	113.45	90	119	100

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'HTD5M Timing Pulleys

HTD8M Timing Pulley

HTD8M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6	7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs	
BLA	36	H8M	250	A	H65	

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

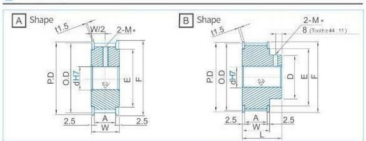
4 Belt Nominal Width

Belt Nominal Width	A	W	L	L (Tooth No.=64)
150=15mm	17	22	37	42
200=20mm	22	27	42	47
250=25mm	28	33	48	53
300=30mm	33	38	53	58
400=40mm	44	49	64	69

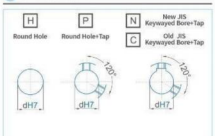
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	F	E
						H	P	N•C	H	P	N•C					
BLA	18	H8M	150 (15mm)	A	H	12 ~ 32	12 ~ 26	12 ~ 26	12 ~ 28	12 ~ 22	12 ~ 20	45.84	44.46	32	52	36
	19					12 ~ 36	12 ~ 28	12 ~ 28	12 ~ 31	12 ~ 25	12 ~ 20	48.38	47.01	35	55	40
	20					12 ~ 36	12 ~ 30	12 ~ 30	12 ~ 32	12 ~ 26	12 ~ 22	50.93	49.56	36	58	
	21					12 ~ 41	12 ~ 32	12 ~ 32	12 ~ 36	12 ~ 30	12 ~ 24	53.48	52.10	40	61	45
	22					12 ~ 41	12 ~ 34	12 ~ 34	12 ~ 37	12 ~ 30	12 ~ 25	56.02	54.65	41		
	24					12 ~ 46	12 ~ 40	12 ~ 40	12 ~ 42	12 ~ 34	12 ~ 28	61.12	59.74	46	67	50
	25					12 ~ 52	12 ~ 40	12 ~ 40	12 ~ 44	12 ~ 36	12 ~ 28	63.66	62.29	48	70	56
BLH	26		200 (20mm)		P	14 ~ 54	14 ~ 45	14 ~ 45	12 ~ 47	12 ~ 39	14 ~ 31	66.21	64.84	51	74	58
	28					14 ~ 56	14 ~ 48	14 ~ 48	14 ~ 51	14 ~ 43	14 ~ 35	71.30	69.93	55	80	60
	30				N•C	14 ~ 63	14 ~ 50	14 ~ 50	14 ~ 56	14 ~ 46	14 ~ 38	76.39	75.02	60	87	67
BSY	32		250 (25mm)			14 ~ 63	14 ~ 55	14 ~ 55	14 ~ 59	14 ~ 49	14 ~ 45	81.49	80.12	63		
	34			B	F	16 ~ 67	16 ~ 60	16 ~ 55	16 ~ 66	16 ~ 56	16 ~ 48	86.58	85.21	70	95	75
BSP	36					16 ~ 72	16 ~ 65	16 ~ 55	16 ~ 71	16 ~ 61	16 ~ 50	91.67	90.30	75	99	80
	38		300 (30mm)		V	16 ~ 76	16 ~ 65	16 ~ 55	16 ~ 76	16 ~ 65	16 ~ 50	96.77	95.39	80	104	84
BSM	40					20 ~ 80	20 ~ 70	20 ~ 55	20 ~ 80	20 ~ 65	20 ~ 55	101.86	100.49	85	111	90
	44		400 (40mm)		Y	20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 80	20 ~ 70	20 ~ 55	112.05	110.67	90	119	100
	48					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	122.23	120.86	100	127	105
	50					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	127.32	125.95	100	135	115
	60					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	152.79	151.42	100	160	140
	72					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	183.35	181.97	100	190	170

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:HTD8M Timing Pulleys

HTD14M Timing Pulley

HTD14M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6	7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs	
BLA	30	H14M	550	B	N30	

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

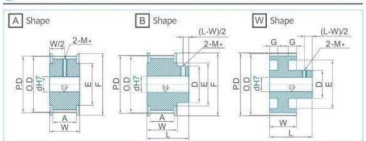
4 Belt Nominal Width

Belt Nominal Width	A	W	G	L (Tooth No.=44)	L (Tooth No.=64)
400=40mm	45	52	16	72	77
550=55mm	61	68	18	88	93
850=85mm	92	99	25	119	123
1000=100mm	107	114	30	132	138
1150=115mm	122	130	35	148	154

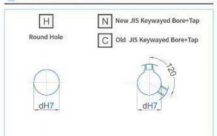
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia				Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A		B·W		P.D	O.D	D	F	E
						H	N•C	H	N•C					
BLA	28	H14M	550 (55mm)	A	H	20 ~ 45	20 ~ 40	20 ~ 45	20 ~ 40	124.78	121.98	90	136	101
	30					20 ~ 55	20 ~ 50	20 ~ 55	20 ~ 50	133.69	130.89	100	144	111
	32					24 ~ 60	24 ~ 55	24 ~ 60	24 ~ 55	142.60	139.80	110	152	121
	34					25 ~ 65	25 ~ 55	25 ~ 65	25 ~ 55	151.52	148.72	120	161	131
BLH	36					25 ~ 75	25 ~ 65	25 ~ 75	25 ~ 65	160.43	157.63	120	172	141
	40		850 (85mm)	B	N•C	28 ~ 75	28 ~ 65	28 ~ 75	28 ~ 65	178.25	175.45	135	190	161
	42					28 ~ 100	28 ~ 75	28 ~ 100	28 ~ 75	187.17	184.37	145	200	165
BSY	44					28 ~ 100	28 ~ 80	28 ~ 100	28 ~ 80	196.08	193.28	155	208	173
BSP	48		1000 (100mm)		V	32 ~ 120	32 ~ 100	32 ~ 120	32 ~ 100	213.90	211.10	160	224	190
	50					32 ~ 120	32 ~ 100	32 ~ 120	32 ~ 100	222.82	220.02	160	235	200
BSM	56		1150 (115mm)		Y	35 ~ 120	35 ~ 110	35 ~ 120	35 ~ 110	249.55	246.75	160	260	224
	64					45 ~ 135	45 ~ 110	45 ~ 135	45 ~ 110	285.20	282.40	190	-	240
	72					45 ~ 135	45 ~ 110	45 ~ 135	45 ~ 110	320.86	318.06	220	-	280
	80				W	55 ~ 150	55 ~ 150	55 ~ 150	55 ~ 150	356.51	353.71	240	-	300
	90					55 ~ 150	55 ~ 150	55 ~ 150	55 ~ 150	401.07	398.27	280	-	340

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:HTD14M Timing Pulleys

HTD20M Timing Pulley

HTD20M High Torque Circular Arc Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	40	H20M	1700	– B	– H40

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

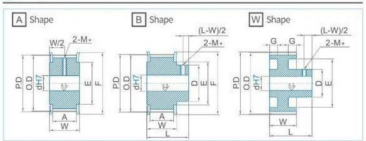
4 Belt Nominal Width

Belt Nominal Width	A	W	G	L
1150=115mm	125	135	28	168
1700=170mm	180	190	30	223
2300=230mm	240	250	35	283

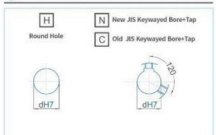
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



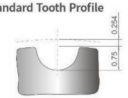
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia				Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A		B·W		P.D	O.D	D	F	E
						H	N•C	H	N•C					
BLA	34	H20M	1150 (115mm)	A	H	32 ~ 142	32 ~ 135	32 ~ 142	32 ~ 135	216.45	212.13	147	240	165
	36					32 ~ 142	32 ~ 135	32 ~ 142	32 ~ 135	229.18	224.86	160	250	178
	38					35 ~ 142	35 ~ 138	35 ~ 142	35 ~ 138	241.91	237.59	172	265	190
	40					35 ~ 145	35 ~ 138	35 ~ 145	35 ~ 138	254.65	250.33	185	275	203
BLH	44			B	N•C	35 ~ 145	35 ~ 138	35 ~ 145	35 ~ 138	280.11	275.79	210	300	228
	48					44 ~ 180	44 ~ 150	44 ~ 180	44 ~ 150	305.58	301.26	228	325	254
BSY	52		1700 (170mm)		F	50 ~ 202	50 ~ 175	50 ~ 202	50 ~ 175	331.04	326.72	228	350	279
	56					50 ~ 224	50 ~ 182	50 ~ 224	50 ~ 182	356.51	352.19	280	375	305
BSP	60				V	55 ~ 255	55 ~ 182	55 ~ 255	55 ~ 182	381.97	377.65	280	-	328
	64		2300 (230mm)		Y	55 ~ 255	55 ~ 220	55 ~ 255	55 ~ 220	407.44	403.12	300	-	350
BSM	68					60 ~ 255	60 ~ 220	60 ~ 255	60 ~ 220	432.90	428.58	300	-	380
	72				W	60 ~ 255	60 ~ 240	60 ~ 255	60 ~ 240	458.37	454.05	320	-	400
	80					60 ~ 255	60 ~ 240	60 ~ 255	60 ~ 240	509.29	504.97	340	-	450
	90					60 ~ 255	60 ~ 240	60 ~ 255	60 ~ 240	572.96	568.64	380	-	510

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'HTD20M Timing Pulleys

G2M Timing Pulley

G2M High Torque Circular Arc Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	32	G2M	040	– A	– H8

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

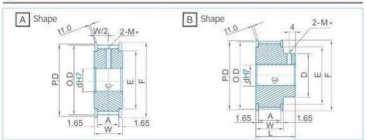
4 Belt Nominal Width

Belt Nominal Width	A	W	L
040=4mm	5	8.3	16
060=6mm	7	10.3	18
090=9mm	10	13.3	21

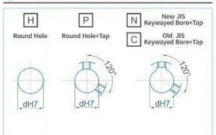
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6 ~ 22	M4	M4x3

5 Pulley Shape



6 Shaft Bore Specs



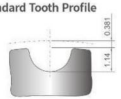
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	F	E
						H	P	N•C	H	P	N•C					
	14	G2M	040 (4mm)	A	H	3	-	-	-	-	-	8. 91	8. 40	8	13	6
	15					3 • 4	-	-	-	-	-	9. 55	9. 04		14	7
	16					3 • 4	-	-	-	-	-	10. 19	9. 68			
	18					4 • 4. 5 • 5	-	-	-	-	-	11. 46	10. 95	-	16	8
	20					4 • 4. 5 • 5 • 6	-	-	-	-	-	12. 73	12. 22		17	9
	21					4 ~ 6	-	-	-	-	-	13. 37	12. 86		18	10
BLA	22					4 ~ 6	-	-	4	-	-	14. 01	13. 50			
	24				P	5 ~ 8	-	-	5 • 6	-	-	15. 28	14. 77			
BLH	25					5 ~ 8	-	-	5 ~ 7	-	-	15. 92	15. 41	10	20	12
	26				N•C	5 ~ 8	-	-	5 ~ 8	-	-	16. 55	16. 04			
BSY	28		060 (6mm)			5 ~ 10	-	-	5 ~ 8	-	-	17. 83	17. 32		23	14
	30			A	F	5 ~ 11	-	-	5 ~ 8	-	-	19. 10	18. 59	11	24	15
BSP	32					5 ~ 13	5 ~ 10	-	5 ~ 9	5 • 6	-	20. 37	19. 86	13	25	17
	34				V	6 ~ 14	6 ~ 10	-	6 ~ 10	6 ~ 8	-	21. 65	21. 14			
BSM	36					6 ~ 14	6 ~ 10	-	6 ~ 10	6 ~ 8	-	22. 92	22. 41	14	27	18
	38			B	Y	6 ~ 16	6 ~ 10	8	6 ~ 12	6 ~ 8	-	24. 19	23. 68	16	29	20
	40					6 ~ 17	6 ~ 12	8 ~ 10	6 ~ 13	6 ~ 10	-	25. 46	24. 95	17	30	21
	44					6 ~ 19	6 ~ 13	8 ~ 11	6 ~ 15	6 ~ 12	-	28. 01	27. 50	19	32	23
	48					8 ~ 22	8 ~ 15	8 ~ 13	8 ~ 18	8 ~ 12	8	30. 56	30. 05	22	35	26
	50					8 ~ 23	8 ~ 16	8 ~ 14	8 ~ 18	8 ~ 12	8	31. 83	31. 32	22	36	27
	60					8 ~ 29	8 ~ 22	8 ~ 19	8 ~ 24	8 ~ 22	8 ~ 14	38. 20	37. 69	28	42	33

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'G2M Timing Pulleys

G3M Timing Pulley

G3M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Specs
BLA	30	G3M	060	B	N8

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

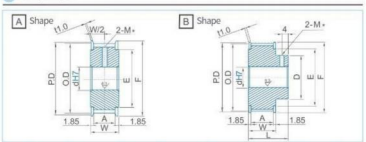
4 Belt Norminal Width

Belt Norminal Width	A	W	L
060=6mm	7.3	11	19
090=9mm	10.3	14	22
150=15mm	16.3	20	28

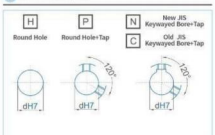
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6～17	M4	M4x3
18～38	M5	M5x4

5 Pulley Shape



6 Shaft Bore Specs



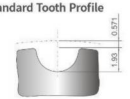
1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	16	G3M	060 (6mm)	A	H	4～7	-	-	-	-	-	15.28	14.52	-	19	11
	18					5～8	5	-	-	-	-	17.19	16.43	-	21	12
	20					5～10	5・6	-	-	-	-	19.10	18.34	-	23	14
	22					6～12	6～7	-	6～8	-	-	21.01	20.25	12	24	16
	24					6～14	6～8	-	6～10	6	-	22.92	22.16	14	26	18
BLH	25				P	6～14	6～10	-	6～10	6	-	23.87	23.11	14	27	18
	26					6～15	6～11	8	6～11	6	-	24.83	24.07	15	28	19
BSY	28		090 (9mm)		N•C	6～17	6～13	8～10	6～13	6～8	-	26.74	25.98	17	30	21
	30			A		6～19	6～14	8～10	6～15	6～10	8	28.65	27.89	19	32	23
BSP	32				F	6～21	6～14	8～12	6～16	6～10	8	30.56	29.80	20	34	25
	34		150 (15mm)	B	V	8～23	8～16	8～13	8～20	8～12	8～10	32.47	31.71	22	36	27
BSM	36					8～25	8～18	8～14	8～20	8～14	8～12	34.38	33.62	24	38	29
	40				Y	8～29	8～23	8～17	8～24	8～18	8～15	38.20	37.44	28	42	33
	44					10～32	10～25	10～20	10～26	10～20	10～15	42.02	41.26	30	46	36
	48					10～36	10～25	10～23	10～28	10～22	10～17	45.84	45.08	32	49	40
	50					10～38	10～28	10～24	10～30	10～23	10～18	47.75	46.99	34	51	42
	60					12～48	12～38	12～30	12～32	10～24	12～20	57.30	56.54	36	61	52

Remark: 1. For F-V-Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'G3M Timing Pulleys

G5M Timing Pulley

G5M High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Specs
BLA	20	G5M	090	A	N8

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

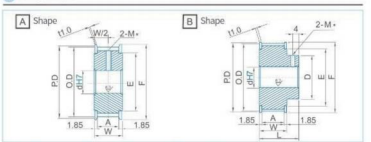
4 Belt Norminal Width

Belt Norminal Width	A	W	L
090=9mm	10.3	14	22
120=12mm	13.3	17	25
150=15mm	16.3	20	28
200=20mm	21.3	25	35
250=25mm	26.3	30	40
300=30mm	31.3	35	45
400=40mm	41.3	45	55

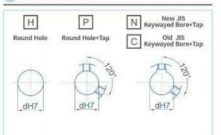
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
6～12	M4	M4x4
13～30	M5	M5x4
31～45	M6	M6x5

5 Pulley Shape



6 Shaft Bore Specs



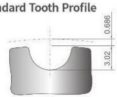
1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	14	G5M	090 (9mm)	A	H	6～12	6～8	-	6～8	-	-	22.28	21.14	12	26	16
	15					6～13	6～8	-	6～10	-	-	23.87	22.73	13	27	17
	16					6～15	6～10	8	6～12	6	-	25.46	21.32	15	29	19
	18					6～18	6～13	8～10	6～14	6～9	-	28.65	27.51	18	32	22
	20		120 (12mm)			8～20	8～14	8～12	8～16	8～10	8	31.83	30.69	20	35	24
BLH	22				P	8～23	8～17	8～12	8～19	8～12	8	35.01	33.87	22	39	27
	24					8～26	8～18	8～14	8～22	8～16	8～10	38.20	37.06	26	42	30
	25		150 (15mm)			8～28	8～20	8～16	8～24	8～16	8～12	39.79	38.65	28	43	32
BSY	26				N•C	10～29	10～21	10～17	10～24	10～16	10～13	41.38	40.24	28	45	33
	28		200 (20mm)			10～32	10～24	10～19	10～27	10～20	10～15	44.56	43.42	30	48	36
BSP	30			A	F	10～35	10～26	10～20	10～28	10～22	10～16	47.75	46.61	32	51	39
	32		250 (25mm)	B	V	10～38	10～30	10～23	10～30	10～22	10～17	50.93	49.79	34	55	42
BSM	34					12～42	12～32	12～26	12～32	12～24	12～18	54.11	52.97	36	58	46
	36		300 (30mm)		Y	12～45	12～34	12～30	12～34	12～26	12～20	57.30	56.16	38	61	49
	40					12～51	12～36	12～30	12～36	12～26	12～22	63.66	62.52	40	67	55
	44		400 (40mm)			12～58	12～42	12～30	12～38	12～26	12～23	70.03	68.89	42	74	62
	48					12～64	12～45	12～30	12～42	12～30	12～26	76.39	75.25	46	80	68
	50					12～67	12～45	12～30	12～42	12～30	12～27	79.58	78.44	46	83	71
	60					12～83	12～45	12～30	12～48	12～30	12～30	95.49	94.35	52	99	87

Remark: 1. For F-V-Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'G5M Timing Pulleys

8YU Timing Pulley

8YU High Torque Circular Arc Tooth Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 7 Shaft Bore Specs
BLA	30	8YU	150	A	P25

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

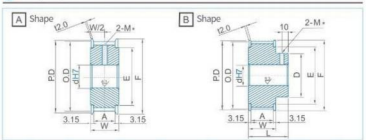
4 Belt Nominal Width

Belt Norminal Width	A	W	L
150=15mm	16.7	23	43
200=20mm	21.7	28	48
250=25mm	26.7	33	53

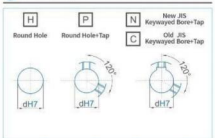
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
16 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



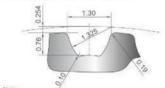
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N+C	B H	B P	B N+C	Other Dimensions P.D	O.D	D	F	E
	20					16 ~ 32	16 ~ 28	16 ~ 21	16 ~ 32	16 ~ 20	16 ~ 18	50.93	49.56	36	62	40
	22					16 ~ 37	16 ~ 29	16 ~ 26	16 ~ 37	16 ~ 24	16 ~ 22	56.02	54.65	40	64	45
	24					16 ~ 42	16 ~ 34	16 ~ 30	16 ~ 40	16 ~ 28	16 ~ 24	61.12	59.75	44	70	50
	25					16 ~ 48	16 ~ 36	16 ~ 30	16 ~ 42	16 ~ 30	16 ~ 26	63.66	62.29	46	72	52
BLA	26				H	16 ~ 50	16 ~ 38	16 ~ 30	16 ~ 42	16 ~ 32	16 ~ 28	66.21	64.84	48	75	54
	28				P	16 ~ 52	16 ~ 42	16 ~ 30	16 ~ 47	16 ~ 35	16 ~ 30	71.30	69.93	52	80	59
BLH	30		150		N+C	16 ~ 59	16 ~ 45	16 ~ 30	16 ~ 50	16 ~ 39	16 ~ 30	76.39	75.02	56	85	64
	32	8YU	200	A		20 ~ 59	20 ~ 48	20 ~ 30	20 ~ 55	20 ~ 42	20 ~ 30	81.49	80.12	60	90	69
BSY	34		(20mm)		F	20 ~ 67	20 ~ 52	20 ~ 30	20 ~ 58	20 ~ 45	20 ~ 30	86.58	85.21	64	95	74
BSP	36		250	B	V	20 ~ 72	20 ~ 58	20 ~ 30	20 ~ 64	20 ~ 48	20 ~ 30	91.67	90.30	68	100	79
BSM	38		(25mm)			20 ~ 76	20 ~ 62	20 ~ 30	20 ~ 68	20 ~ 52	20 ~ 30	96.77	95.40	72	105	84
	40				Y	25 ~ 80	25 ~ 65	25 ~ 30	25 ~ 70	25 ~ 54	25 ~ 30	101.86	100.49	74	110	89
	44					25 ~ 80	25 ~ 65	25 ~ 30	25 ~ 72	25 ~ 56	25 ~ 30	112.05	110.68	78	121	99
	48					25 ~ 80	25 ~ 65	25 ~ 30	25 ~ 74	25 ~ 58	25 ~ 30	122.23	120.86	80	131	109
	50					25 ~ 80	25 ~ 65	25 ~ 30	25 ~ 76	25 ~ 60	25 ~ 30	127.32	125.95	82	136	114
	60					30 ~ 80	30 ~ 65	30	30 ~ 80	30 ~ 65	30	152.79	151.42	88	161	140

Remark: 1. For F-V-Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'8YU Timing Pulleys

S2M Timing Pulley

S2M Type High Precision High Torque Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 7 Shaft Bore Specs
BLA	22	S2M	100	A	P4

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSD	S45C	Electroless Nickel Plating
BSM	S45C	-

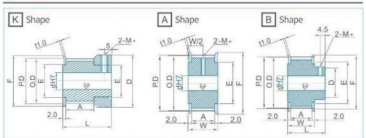
4 Belt Nominal Width

Belt Norminal Width	A	L	W
040=4mm	5	9	17
060=6mm	7	11	19
100=10mm	11	15	23
120=12mm	13	17	25

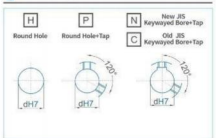
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
3~5	M3	M3*3
6~24	M4	M4*3
25~30	M5	M5*4

5 Pulley Shape



6 Shaft Bore Specs



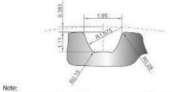
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N+C	B H	B P	B N+C	Other Dimensions P.D	O.D	D	F	E
	14					3-4	-	-	3-4	3-4	-	8.91	8.40	12	12	6
	15					3-4	-	-	3-4	3-4	-	9.55	9.04	12	12	6
	16					3-5	-	-	3-5	3-5	-	10.19	9.68	14	14	8
	18					3-5	-	-	3-5	3-5	-	11.46	10.95	14	14	8
	20					3-6	-	-	3-6	3-6	-	12.73	12.22	16	16	10
	22		040	K	H	3-7	-	-	3-6	3-6	-	14.01	13.50	18	18	11
BLA	23		(4mm)			3-7	-	-	3-6	3-6	-	14.64	14.13	18	18	11
	24			A	P	3-9	-	-	3-7	3-7	-	15.28	14.77	20	20	13
BLH	25		060			3-9	-	-	3-7	3-7	-	15.92	15.41	20	20	13
	26		(6mm)		N	3-10	-	-	3-8	3-8	-	16.55	16.04	22	22	14
BSY	28	S2M				3-10	-	-	3-8	3-8	-	17.83	17.32	22	22	14
	30		100		F	3-10	-	-	3-8	3-8	-	19.10	18.59	22	22	14
BSD	32		(10mm)			4-12	4-10	8	4-8	4-6	-	20.37	19.86	12	25	16
	34				V	4-12	4-10	8+10=NK10	4-10	4-8	-	21.65	21.14	14	25	16
BSM	36		120			4-14	4-10	8+10=NK10	4-10	4-8	-	22.92	22.41	14	28	18
	40		(12mm)	A	Y	4-16	4-12	8-12	4-14	4-10	8	25.46	24.96	18	30	20
	44					5-19	5-15	8-13	5-16	5-12	8-11	28.01	27.50	20	32	23
	48			B		5-21	5-17	8-16	5-16	5-12	8-11	30.56	30.05	20	35	25
	50					5-21	5-17	8-16	5-16	5-12	8-11	31.83	31.32	20	35	25
	60					5-28	5-24	8-22	5-26	5-22	8-17	38.20	37.69	30	44	32
	72					5-34	5-30	8-26	5-30	5-26	8-20	45.84	45.33	30	50	38

Remark: 1. For F-V-Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'S2M Timing Pulleys

S3M Timing Pulley

S3M High Precision High Torque Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	32	S3M	100	A	H16

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

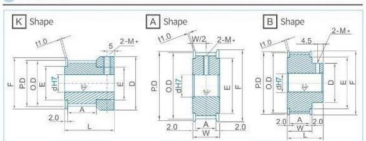
4 Belt Nominal Width

Belt Norminal Width	A	W	L
060=6mm	7	11	19
100=10mm	11	15	23
150=15mm	17	21	29

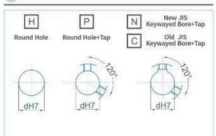
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
4 ~ 5	M3	M3x3
6 ~ 17	M4	M4x3
18 ~ 33	M5	M5x4
34 ~ 46	M6	M6x5

5 Pulley Shape



6 Shaft Bore Specs



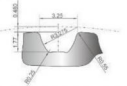
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	E
						H	P	N+C	H	P	N+C				
	14					4 ~ 6	4	-	4 ~ 6	4 ~ 6	-	13.37	12.61	16	16
	15					4 ~ 7	4+4.5+5	-	4 ~ 6	4 ~ 6	-	14.32	13.56	18	18
	16			K		4 ~ 7	4+4.5+5	-	4 ~ 7	4 ~ 7	-	15.28	14.52	18	18
	18					4 ~ 9	4 ~ 6	-	4 ~ 8	4 ~ 8	-	17.19	16.43	20	20
	19			A		4 ~ 10	4 ~ 6	-	4 ~ 8	4 ~ 8	-	18.14	17.34	22	22
	20				H	4 ~ 10	4 ~ 6	-	4 ~ 8	4 ~ 8	-	19.10	18.34	22	22
BLA	22		060		P	4 ~ 12	4 ~ 8	-	4 ~ 10	4 ~ 10	-	21.01	20.25	25	25
	24		(6mm)			4 ~ 12	4 ~ 10	-	4 ~ 10	4 ~ 8	-	22.92	22.16	14	25
BLH	25					4 ~ 14	4 ~ 11	8 ~ 11	4 ~ 12	4 ~ 10	8	23.87	23.11	16	28
	26		100		N+C	5 ~ 14	5 ~ 11	8 ~ 11	5 ~ 12	5 ~ 10	8	24.83	24.07	16	28
BSY	28	S3M	(10mm)			5 ~ 16	5 ~ 13	8 ~ 13	5 ~ 14	5 ~ 10	8	26.74	25.98	18	30
	30				F	6 ~ 19	4 ~ 15	8 ~ 14	6 ~ 16	6 ~ 12	8 ~ 11	28.65	27.89	20	32
BSP	32		150	A		6 ~ 21	4 ~ 17	8 ~ 17	6 ~ 16	6 ~ 12	8 ~ 11	30.56	29.80	20	35
	34		(15mm)		V	6 ~ 24	6 ~ 18	8 ~ 18	6 ~ 22	6 ~ 18	8 ~ 15	32.47	31.71	26	40
BSM	36			B		6 ~ 24	6 ~ 18	8 ~ 19	6 ~ 22	6 ~ 18	8 ~ 15	34.38	33.62	26	40
	40				Y	8 ~ 28	8 ~ 23	8 ~ 23	8 ~ 26	8 ~ 21	8 ~ 17	38.20	37.44	30	44
	44					8 ~ 32	8 ~ 26	8 ~ 25	8 ~ 28	8 ~ 23	8 ~ 18	42.02	41.25	32	48
	48					8 ~ 34	8 ~ 28	8 ~ 27	8 ~ 30	8 ~ 25	8 ~ 20	45.84	45.07	34	50
	50					8 ~ 36	8 ~ 30	8 ~ 29	8 ~ 30	8 ~ 25	8 ~ 20	47.75	46.98	34	52
	60					8 ~ 42	8 ~ 34	8 ~ 35	8 ~ 35	8 ~ 30	8 ~ 22	57.30	56.53	39	61
	72					8 ~ 54	8 ~ 46	8 ~ 45	8 ~ 46	8 ~ 38	8 ~ 33	68.76	67.99	50	74

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'S3M Timing Pulleys

S5M Timing Pulley

S5M Type High Precision High Torque Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	25	S5M	150	B	N12

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

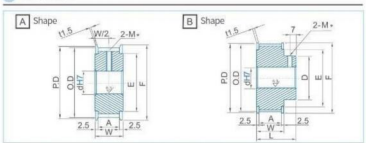
4 Belt Nominal Width

Belt Norminal Width	A	W	L
100=10mm	11	16	28
150=15mm	17	22	34
200=20mm	22	27	39
250=25mm	27	32	44

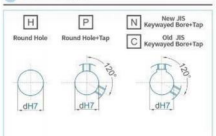
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5	M3	M3x3
6 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



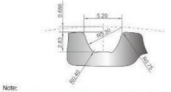
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions			
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	E
						H	P	N+C	H	P	N+C				
	14								5 ~ 12	5 ~ 10	8 ~ 10 - NK10	22.28	21.32	14	26
	15								5 ~ 14	5 ~ 10	8 ~ 10 - NK10	23.87	22.91	15	28
	16								5 ~ 16	5 ~ 12	8 ~ 12	25.46	24.50	17	32
	18								6 ~ 18	6 ~ 12	8 ~ 12	28.65	27.69	19	33
	19								6 ~ 20	6 ~ 16	8 ~ 16	30.24	29.23	19	36
	20		100		H				6 ~ 20	6 ~ 16	8 ~ 16	31.83	30.87	19	36
BLA	22		(10mm)		P				7 ~ 23	7 ~ 18	8 ~ 18	35.01	34.05	24	40
	24								7 ~ 26	7 ~ 20	8 ~ 20	38.20	37.24	27	45
BLH	25		150						7 ~ 26	7 ~ 20	8 ~ 20	7 ~ 23	7 ~ 17	8 ~ 15	39.79
	26		(15mm)	A	N+C				8 ~ 31	8 ~ 23	8 ~ 22	8 ~ 27	8 ~ 21	8 ~ 17	41.38
BSY	28	S5M							8 ~ 31	8 ~ 24	8 ~ 24	8 ~ 28	8 ~ 22	8 ~ 18	44.56
	30		200	B	F				10 ~ 32	10 ~ 26	10 ~ 26	10 ~ 29	10 ~ 23	10 ~ 18	47.75
BSP	32		(20mm)						10 ~ 36	10 ~ 28	10 ~ 28	10 ~ 33	10 ~ 27	10 ~ 22	50.93
	34				V				10 ~ 41	10 ~ 33	10 ~ 33	10 ~ 36	10 ~ 30	10 ~ 25	54.11
BSM	36		250						10 ~ 41	10 ~ 33	10 ~ 33	10 ~ 36	10 ~ 30	10 ~ 25	57.30
	40		(25mm)		Y				10 ~ 46	10 ~ 38	10 ~ 38	10 ~ 43	10 ~ 35	10 ~ 28	63.66
	44								12 ~ 54	12 ~ 42	12 ~ 40	12 ~ 46	12 ~ 38	12 ~ 32	70.03
	48								12 ~ 59	12 ~ 45	12 ~ 40	12 ~ 56	12 ~ 45	12 ~ 40	76.39
	50								12 ~ 63	12 ~ 50	12 ~ 43	12 ~ 59	12 ~ 47	12 ~ 43	79.58
	60								12 ~ 76	12 ~ 50	12 ~ 50	12 ~ 71	12 ~ 50	12 ~ 50	95.49
	72								12 ~ 85	12 ~ 70	12 ~ 55	12 ~ 80	12 ~ 70	12 ~ 55	114.59

Remark: 1. For F·V·Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'S5M Timing Pulleys

S8M Timing Pulley

S8M Type High Precision High Torque Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	36	S8M	250	A	H65

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

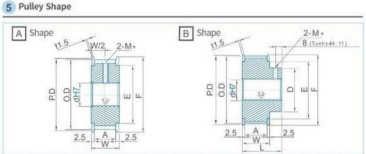
4 Belt Nominal Width

Belt Nominal Width	A	W	L	L Tooth No.≥44
150=15mm	17	22	37	42
250=25mm	28	33	48	53
300=30mm	33	38	53	58
400=40mm	44	49	64	69

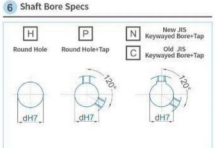
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



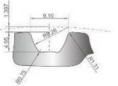
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	18	S8M	150 (15mm)	A	H	12 ~ 32	12 ~ 26	12 ~ 26	12 ~ 28	12 ~ 22	12 ~ 20	45.84	44.46	32	52	36
	19					12 ~ 36	12 ~ 28	12 ~ 28	12 ~ 31	12 ~ 25	12 ~ 20	48.38	47.01	35	55	40
	20					12 ~ 36	12 ~ 30	12 ~ 30	12 ~ 32	12 ~ 26	12 ~ 22	50.93	49.56	36	58	40
	21					12 ~ 41	12 ~ 32	12 ~ 32	12 ~ 36	12 ~ 30	12 ~ 24	53.48	52.10	40	61	45
	22					12 ~ 41	12 ~ 34	12 ~ 34	12 ~ 37	12 ~ 30	12 ~ 25	56.02	54.65	41	61	45
BLH	24				P	12 ~ 46	12 ~ 40	12 ~ 40	12 ~ 42	12 ~ 34	12 ~ 28	61.12	59.74	46	67	50
	25					12 ~ 52	12 ~ 40	12 ~ 40	12 ~ 44	12 ~ 36	12 ~ 28	63.66	62.29	48	70	56
	26					14 ~ 54	14 ~ 45	14 ~ 45	12 ~ 47	12 ~ 39	14 ~ 31	66.21	64.84	51	74	58
	28				N•C	14 ~ 56	14 ~ 48	14 ~ 48	14 ~ 51	14 ~ 43	14 ~ 35	71.30	69.93	55	80	60
BSY	30		250 (25mm)	A		14 ~ 63	14 ~ 50	14 ~ 50	14 ~ 56	14 ~ 46	14 ~ 38	76.39	75.02	60	87	67
	32				F	14 ~ 63	14 ~ 55	14 ~ 55	14 ~ 59	14 ~ 49	14 ~ 45	81.49	80.12	63	87	67
	34					16 ~ 67	16 ~ 60	16 ~ 55	16 ~ 66	16 ~ 56	16 ~ 48	86.58	85.21	70	95	75
BSP	36		300 (30mm)	B	V	16 ~ 72	16 ~ 65	16 ~ 55	16 ~ 71	16 ~ 61	16 ~ 50	91.67	90.30	75	99	80
	38					16 ~ 76	16 ~ 65	16 ~ 55	16 ~ 76	16 ~ 65	16 ~ 50	96.77	95.39	80	104	84
BSM	40				Y	20 ~ 80	20 ~ 70	20 ~ 55	20 ~ 80	20 ~ 65	20 ~ 55	101.86	100.49	85	111	90
	44		400 (40mm)			20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 80	20 ~ 70	20 ~ 55	112.05	110.67	90	119	100
	48					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	122.23	120.86	100	127	105
	50					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	127.32	125.95	100	135	115
	60					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	152.79	151.42	100	160	140
	72					20 ~ 85	20 ~ 70	20 ~ 55	20 ~ 85	20 ~ 70	20 ~ 55	183.35	181.97	100	190	170

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'S8M Timing Pulleys

S14M Timing Pulley

S14M Type High Precision High Torque Pulley

■ Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

■ Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	32	S14M	400	A	H40

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

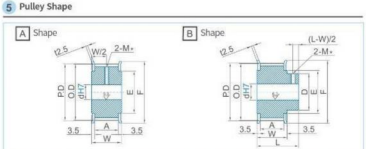
4 Belt Nominal Width

Belt Nominal Width	A	W	L Tooth No. 22 ~ 42	L Tooth No. 44 ~ 56
400=40mm	46	53	73	78
600=60mm	67	74	94	99

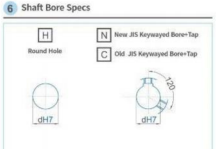
■ Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



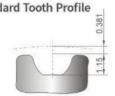
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A N•C	B H	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	28	S14M	400 (40mm)	A	H	30 ~ 70	30 ~ 70	30 ~ 60	30 ~ 60	124.78	121.98	90	136	101
	30					30 ~ 80	30 ~ 70	30 ~ 70	30 ~ 70	133.69	130.90	100	144	111
	32					30 ~ 85	30 ~ 70	30 ~ 75	30 ~ 70	142.60	139.81	110	152	121
BLH	34					30 ~ 90	30 ~ 70	30 ~ 85	30 ~ 70	151.52	148.72	120	161	131
	36				N•C	30 ~ 95	30 ~ 70	30 ~ 85	30 ~ 70	160.43	157.63	120	172	141
BSY	40					30 ~ 105	35 ~ 70	35 ~ 95	35 ~ 70	178.25	175.46	135	190	161
BSP	42				F	35 ~ 110	35 ~ 70	35 ~ 100	35 ~ 70	187.17	184.37	145	200	164
BSM	44				V	35 ~ 115	35 ~ 70	35 ~ 100	35 ~ 70	196.08	193.28	155	208	173
	48					40 ~ 120	40 ~ 70	40 ~ 110	40 ~ 70	213.90	211.11	160	224	190
	50		600 (60mm)	B	Y	40 ~ 130	40 ~ 70	40 ~ 110	40 ~ 70	222.82	220.02	160	235	200
	56					40 ~ 150	40 ~ 70	40 ~ 110	40 ~ 70	249.55	246.76	160	260	224

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'S14M Timing Pulleys

P3M Timing Pulley

P3M Parabolic Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	32	P3M	100	B	NK10

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

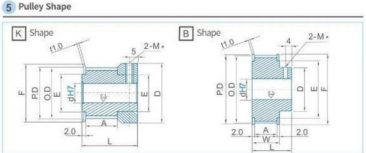
4 Belt Nominal Width

Belt Nominal Width	A (Tooth No.≤ 28)	A (Tooth No.≥ 30)	W	L
100=10mm	11	12	16	23
150=15mm	17	17	21	29

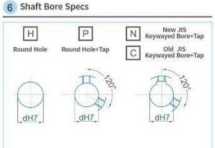
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
4 ~ 6.35	M3	M3x3
7 ~ 12	M4	M4x3
13 ~ 18	M5	M5x4

5 Pulley Shape



6 Shaft Bore Specs



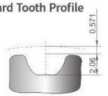
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia			Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	B・K			P.D	O.D	D	F	E
						H	P	N・C					
BLA	10	P3M	100 (10mm)	K	H	-	4	-	9.55	8.79	12	12	6
BLH	12				P	-	4・5	-	11.46	10.70	15	14	8
BSY	14				N・C	-	4 ~ 6.35	-	13.37	12.61	17	16	10
BSP	15				V	-	4 ~ 6.35	-	14.32	13.56			
BSM	16					-	4 ~ 6.35	-	15.28	14.52			
	18					-	4 ~ 6.35	-	17.19	16.43	21	22	14
	20					-	4 ~ 6.35	-	19.10	18.34	25	25	16
	22					5 ~ 8	5 ~ 8	-	21.01	20.25	12	28	18
	24		150 (15mm)			5 ~ 10	5 ~ 9	-	22.92	22.16	14		
	25					5 ~ 10	5 ~ 9	-	23.87	23.11		30	20
	26			B		6 ~ 12	6 ~ 10	8	24.83	24.07	16		
	28					6 ~ 14	6 ~ 12	8・10・NK10	26.74	25.98		32	23
	30					6 ~ 14	6 ~ 12	8・10・NK10	28.65	27.89	18	35	25
	32					6 ~ 14	6 ~ 12	8・10・NK10	30.56	29.80			
	36					6 ~ 20	6 ~ 16	8 ~ 15	34.38	33.62	24	40	28
	40					6 ~ 23	6 ~ 18	8 ~ 16	38.20	37.44	26	44	32

Remark: 1. For F・V・Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'P3M Timing Pulleys

P5M Timing Pulley

P5M Parabolic Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	48	P5M	150	A	N16

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

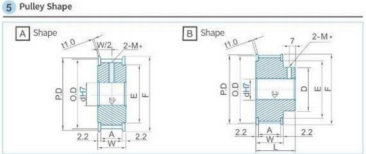
4 Belt Nominal Width

Belt Nominal Width	A	W	L
100=10mm	11.6	16	28
150=15mm	16.6	21	33
200=20mm	22	27	39
250=25mm	27	32	44

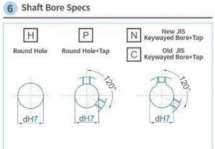
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
5 ~ 12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



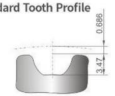
1	2	3	4	5	6	7 dH7 Shaft Bore Inner Dia						Other Dimensions				
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Shape	A			B			P.D	O.D	D	F	E
						H	P	N・C	H	P	N・C					
BLA	12	P5M	100 (10mm)	A	H	5 ~ 10	5・6	-	5 ~ 7	-	-	19.10	17.96	11	22	14
BLH	14				P	5 ~ 11	5 ~ 8	-	5 ~ 9	5	-	22.28	21.14	13	25	16
BSY	15				N・C	5 ~ 14	5 ~ 8	8	5 ~ 11	5 ~ 7	-	23.87	22.65	15	28	18
BSP	16				F	5 ~ 15	5 ~ 10	8	5 ~ 13	5 ~ 9	8	25.46	24.32	17	30	20
BSM	18				V	6 ~ 17	6 ~ 13	8 ~ 11	6 ~ 15	6 ~ 11	8 ~ 10	28.65	27.51	19	32	23
	20				Y	6 ~ 17	6 ~ 15	8 ~ 11	6 ~ 15	6 ~ 11	8 ~ 10	31.83	30.69		35	25
	22					8 ~ 22	8 ~ 17	8 ~ 15	8 ~ 21	8 ~ 17	8 ~ 15	35.01	33.87	25	40	28
	24					8 ~ 22	8 ~ 20	8 ~ 15	8 ~ 21	8 ~ 17	8 ~ 15	38.20	37.06		44	32
	25					10 ~ 25	10 ~ 20	10 ~ 18	10 ~ 25	10 ~ 20	10 ~ 18	39.79	38.65	30		
	26		150 (15mm)	B		10 ~ 25	10 ~ 20	10 ~ 18	10 ~ 25	10 ~ 20	10 ~ 18	41.38	40.24		48	36
	28					10 ~ 27	10 ~ 22	10 ~ 20	10 ~ 27	10 ~ 22	10 ~ 20	44.56	43.42	32	50	38
	30					12 ~ 29	12 ~ 24	12 ~ 22	12 ~ 29	12 ~ 24	12 ~ 22	47.75	46.60	35	55	40
	32					12 ~ 31	12 ~ 26	12 ~ 25	12 ~ 31	12 ~ 26	12 ~ 25	50.93	49.79	38		
	34					12 ~ 35	12 ~ 30	12 ~ 25	12 ~ 35	12 ~ 30	12 ~ 25	54.11	52.90	42	61	46
	36					12 ~ 35	12 ~ 34	12 ~ 30	12 ~ 35	12 ~ 32	12 ~ 30	57.30	56.15	44	67	50
	40					12 ~ 37	12 ~ 34	12 ~ 32	12 ~ 37	12 ~ 34	12 ~ 32	63.66	62.52	48		
	44					15 ~ 43	15 ~ 42	15 ~ 38	15 ~ 43	15 ~ 42	15 ~ 38	70.03	68.89	56	74	58
	48					15 ~ 43	15 ~ 43	15 ~ 38	15 ~ 43	15 ~ 43	15 ~ 38	76.39	75.25	58	83	63
	50					15 ~ 47	15 ~ 45	15 ~ 40	15 ~ 47	15 ~ 45	15 ~ 40	79.58	78.44	64	87	67
	60					15 ~ 57	15 ~ 45	15 ~ 40	15 ~ 57	15 ~ 45	15 ~ 40	95.49	94.35	80	104	84
	72					15 ~ 85	15 ~ 70	15 ~ 50	15 ~ 84	15 ~ 70	15 ~ 50	114.59	113.45	90	119	100

Remark: 1. For F・V・Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:'www.herz-tech.com and search keywords:'P5M Timing Pulleys

P8M Timing Pulley

P8M Parabolic Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	50	P8M	250	A	H50

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

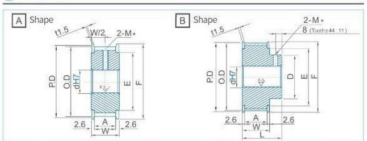
4 Belt Nominal Width

Belt Nominal Width	A	W	L Tooth No.=44	L Tooth No.=50
150=15mm	16.8	22	39	44
250=25mm	27.8	33	50	55
300=30mm	33	38	53	58
400=40mm	44	49	64	69

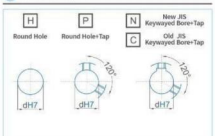
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
12	M4	M4x3
13 ~ 17	M5	M5x4
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 67	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



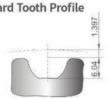
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A P	A N•C	B H	B P	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	20	P8M	150 (15mm)	A	H	12 ~ 27	12 ~ 27	12 ~ 22	12 ~ 32	12 ~ 24	12 ~ 22	50.93	49.56	36	55	40
	22					12 ~ 30	12 ~ 30	12 ~ 25	12 ~ 37	12 ~ 29	12 ~ 25	56.02	54.65	41	61	45
	24					12 ~ 33	12 ~ 33	12 ~ 28	12 ~ 42	12 ~ 30	12 ~ 28	61.12	59.74	46	67	50
	26					16 ~ 35	16 ~ 35	16 ~ 30	16 ~ 47	16 ~ 31	16 ~ 30	66.21	64.84	51	74	58
BLH	28				P	16 ~ 39	16 ~ 39	16 ~ 34	16 ~ 51	16 ~ 35	16 ~ 34	71.30	69.93	55	80	60
	30					16 ~ 40	16 ~ 40	16 ~ 35	16 ~ 56	16 ~ 40	16 ~ 35	76.39	75.02	60	83	63
BSY	32				N•C	16 ~ 43	16 ~ 43	16 ~ 38	16 ~ 61	16 ~ 43	16 ~ 38	81.49	80.12	65	87	67
	34					16 ~ 47	16 ~ 47	16 ~ 42	16 ~ 66	16 ~ 47	16 ~ 42	86.59	85.21	70	95	75
BSP	36				F	16 ~ 50	16 ~ 50	16 ~ 45	16 ~ 71	16 ~ 50	16 ~ 45	91.67	90.30	75	99	80
	40				V	20 ~ 55	20 ~ 55	20 ~ 50	20 ~ 80	20 ~ 55	20 ~ 50	101.86	100.49	85	111	90
BSM	44				Y	20 ~ 60	20 ~ 60	20 ~ 50	20 ~ 80	20 ~ 60	20 ~ 50	112.05	110.67	90	119	100
	48					20 ~ 67	20 ~ 67	20 ~ 50	20 ~ 85	20 ~ 67	20 ~ 50	122.23	120.86	100	127	105
	50		250 (25mm)	B		20 ~ 67	20 ~ 67	20 ~ 50	20 ~ 85	20 ~ 67	20 ~ 50	127.32	125.95	100	135	115
	60					20 ~ 67	20 ~ 67	20 ~ 50	20 ~ 85	20 ~ 67	20 ~ 50	152.79	151.42	100	160	140

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:P8M Timing Pulleys

P14M Timing Pulley

P14M Parabolic Tooth Pulley

Standard Tooth Profile



Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6 7
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Specs
BLA	28	P14M	400	A	H14

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLA	AL	Clear Anodize
BLH	AL	-
BSY	S45C	Black Anodize
BSP	S45C	Electroless Nickel Plating
BSM	S45C	-

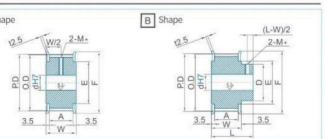
4 Belt Nominal Width

Belt Nominal Width	A	W	L Tooth No.=44	L Tooth No.=50
400=40mm	46	53	73	78
600=60mm	67	74	94	99

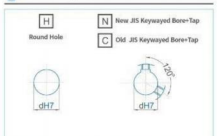
Tapped Hole Dimensions

dH7 Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
18 ~ 30	M6	M6x5
31 ~ 45	M8	M8x6
46 ~ 70	M10	M10x8

5 Pulley Shape



6 Shaft Bore Specs



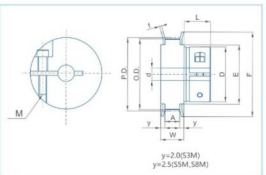
1 Pulley Code	2 Tooth No	3 Type	4 Belt Nominal Width	5 Pulley Shape	6 Shaft Bore Shape	7 dH7 Shaft Bore Inner Dia A H	A N•C	B H	B N•C	Other Dimensions P.D	O.D	D	F	E
BLA	28	P14M	400 (40mm)	A	H	30 ~ 70	30 ~ 70	30 ~ 60	30 ~ 60	124.78	121.98	90	136	101
	30					30 ~ 80	30 ~ 70	30 ~ 70	30 ~ 70	133.69	130.90	100	144	111
	32					30 ~ 85	30 ~ 70	30 ~ 75	30 ~ 70	142.60	139.81	110	152	121
BLH	34				N•C	30 ~ 90	30 ~ 70	30 ~ 85	30 ~ 70	151.52	148.72	120	161	131
	36					30 ~ 95	30 ~ 70	30 ~ 85	30 ~ 70	160.43	157.63	120	172	141
BSY	40				F	30 ~ 105	35 ~ 70	35 ~ 95	35 ~ 70	178.25	175.46	135	190	161
BSP	42				V	35 ~ 110	35 ~ 70	35 ~ 100	35 ~ 70	187.17	184.37	145	200	165
BSM	44				Y	35 ~ 115	35 ~ 70	35 ~ 100	35 ~ 70	196.08	193.28	155	208	173
	48					40 ~ 120	40 ~ 70	40 ~ 110	40 ~ 70	213.90	211.11	160	224	190
	50		600 (60mm)	B		40 ~ 130	40 ~ 70	40 ~ 110	40 ~ 70	222.82	220.02	160	235	200
	56					40 ~ 150	40 ~ 70	40 ~ 110	40 ~ 70	249.55	246.76	160	260	224

Remark: 1. For F•V•Y Hole dimensions detail information refer to Catalog Page 8.
2. For Metric Keyway Dimensions detail information refer to Catalog Page 7.
3. For more customized options, please refer to the official website:www.herz-tech.com and search keywords:P14M Timing Pulleys

Clamping Type High Torque Timing Pulley

S3M、S5M、S8M Clamping Type High Torque Timing Pulley

■ Pulley Shape



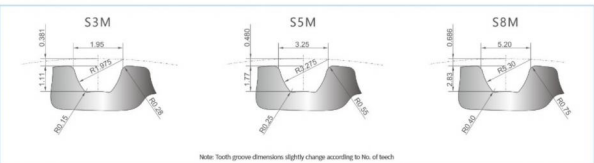
■ Pulley Product No. Example

1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Inner Dia
BLAJ	36	S3M	060	6

1 Pulley Code (Material and Surface Treatment)

Code	Material	Surface Treatment
BLAJ	AL	Clear Anodize

■ Standard Tooth Profile



Note: Tooth groove dimensions slightly change according to No. of teeth

4 Belt Nominal Width

Type	Belt Norminal Width	A	W
S3M	060=6mm	7	11
S3M	100=10mm	11	15

Type	Belt Norminal Width	A	W
S5M	100=10mm	11	16
S5M	150=15mm	17	22

Type	Belt Norminal Width	A	W
S8M	150=15mm	17	22
S8M	250=25mm	28	33

■ Allowable Torque Table

Type	Tooth No	Shaft Dia	Allowable Torque (Nm)
S3M	24 · 26 · 28	4	0.16
	30 · 32	6	0.95
		8	2.6
	36	6	0.95
		8	2.6
	40	8 · 10	2.6
	44	8 · 10	2.6
	48	8 · 10~12	2.6
	50	8 · 10~13	2.6
		14	7.6
	60	8 · 10~13	2.6
		14~16	7.6

Type	Tooth No	Shaft Dia	Allowable Torque (Nm)
S5M	24 · 25	8 · 10	2.6
	26 · 28	8 · 10	2.6
	30	10	2.6
	32	10~13	2.6
		14	7.6
	34 · 36	10~13	2.6
		14~16	7.6
	40	10~13	2.6
		14~19	7.6
	44 · 48	12~13	2.6
	50 · 60	14~19	7.6
		20·21	48
		22·23	66
		24·25	95

Type	Tooth No	Shaft Dia	Allowable Torque (Nm)
S8M	20	12 · 13	2.6
		14	7.6
	22	12 · 13	2.6
		14~16	7.6
	24 · 25	12 · 13	2.6
		14~19	7.6
	28 · 30	15~19	7.6
		20·21	48
		22·23	66
	32 · 34 · 36	24·25	95
		18·19	7.6
		20·21	48
		22·23	66
		24·25	95

■ S3M

1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Inner Dia	P.D.	O.D.	D	F	E	L	Set Screw M	Set Screw Tightening Torque (Nm)
BLAJ	24	S3M	060 K=7 W=11	4	22.92	22.16	13	25	16	9	M2×8	0.4
	26			4	24.83	24.07		28	18			
	28			4	26.74	25.98		30	20			
	30			6·8	28.65	27.89	20	32	23			
	32			6·8	30.56	29.8		35	25			
	36		100 K=11 W=15	6·8	34.38	33.62	26	40	28	12.5	M3×10	1.5
	40			8·10	38.2	37.44		44	32			
	44			8·10	42.02	41.25	31	48	36			
	48			8·10~12	45.84	45.07	33	50	38	14	M4×14	3.5
	50			8·10~14	47.75	46.98	36	52	40			
	60			8·10~16	57.3	56.53	41	61	46	15.5	M5×16	6

■ S5M

1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Inner Dia	P.D.	O.D.	D	F	E	L	Set Screw M	Set Screw Tightening Torque (Nm)
BLAJ	24	S5M	100 K=11 W=16	8·10	38.20	37.24	26	45	30	12.5	M3×10	1.5
	25			8·10	39.79	38.83						
	26			8·10	41.38	40.42						
	28			8·10	44.56	43.60	31	48	35	14	M4×14	3.5
	30			10	47.75	46.79		52	36			
	32			10~14	50.93	49.97	36	55	40			
	34			10~16	54.11	53.15	41	61	45			
	36			10~16	57.30	56.34				15.5	M5×16	6
	40			10~19	63.66	62.70	46	67	50			
	44		150 K=17 W=22	12~19	70.03	69.07	46	74	58	15.5	M5×16	6
				20~24			55			16.5	M6×20	12
	48			12~19	76.39	75.43	46	83	63	15.5	M5×16	6
				20~25			55			16.5	M6×20	12
	50			12~19	79.58	78.62	46	87	67	15.5	M5×16	6
				20~25			55			16.5	M6×20	12
	60			12~19	95.49	94.53	46	99	80	15.5	M5×16	6
				20~25			55			16.5	M6×20	12

■ S8M

1 Pulley Code	2 Tooth No	3 Type	4 Belt Norminal Width	5 Inner Dia	P.D.	O.D.	D	F	E	L	Set Screw M	Set Screw Tightening Torque (Nm)
BLAJ	20	S8M	150 K=17 W=22	12~14	50.93	49.56	36	58	40	14	M4×14	3.5
	22			12~16	56.02	54.65	41	61	45	16	M5×16	6
	24			12~19	61.12	59.74		67	50			
	25			12~19	63.66	62.29	46	70	56			
	28			15~19	71.3	69.93		80	60			
				20~25			55			17	M6×20	12
	30			15~19	76.39	75.02	46			16	M5×16	6
				20~25			55	87	67	17	M6×20	12
	32		250 K=28 W=33	18·19	81.49	80.12	46			16	M5×16	6
				20~25			55			17	M6×20	12
	34			18·19	86.58	85.21	46	95	75	16	M5×16	6
				20~25			55			17	M6×20	12
	36			18·19	91.67	90.30	46	99	80	16	M5×16	6
				20~25			55			17	M6×20	12



IDLER

01 Product Overview

Idler, based on the timing pulley, is equipped with one or two bearings embedded in the central hole, which mesh with the timing belt on the outer side. The bearings in the central hole cooperate with the shaft to change the direction, provide tension, and thus increase the transmission distance and adjust the spatial structure, but do not provide transmission torque. Can make the overall structure more stable and energy-efficient.

Herz Transmission adopts standard teeth type, which can produce timing pulleys/idlers that comply with ISO standards, JIS standards, GB standards or industry standards, and can also customize non-standard parts according to drawings.

The product has been widely used in the fields of automobiles, textiles, printing and packaging equipment, sewing equipment, office equipment, laser engraving equipment, tobacco, financial machinery, communication, food machinery, medical machinery, steel machinery, petrochemicals, instruments and meters, various precision machine tools, and various automation equipment.

02 Characteristics

1. No change in transmission ratio, no sliding;
2. Smooth transmission and low noise;
3. High transmission efficiency and significant energy-saving effect;
4. The coordinated transmission of timing belts and pulleys can alleviate impact and vibration;
5. The center distance is not limited, and with appropriate tensioning structures, long-distance transmission can be achieved;
6. No need to add lubrication, maintain a pollution-free working environment;
7. When subjected to excessive load, slippage may occur, which to some extent provides overload protection;
8. Simple structure, low cost, easy manufacturing, installation, and maintenance.

03 Usage Instructions

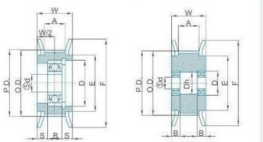
1. The function of the tensioning wheel occurs in belt transmission, which tightens the belt, reduces its vibration and energy loss during movement, and can change its position or direction.
2. The function of the guide wheel is mainly to provide guidance. In the design of the wheel system, in order to meet the design requirements and external dimensions, the direction of the belt is relatively complex. However, to ensure the design of the idler pulley, tensioner pulley, and belt pulley, the guide wheel needs to meet the design requirements and the design angle.

Caution

1. The accuracy of the bearing before installation is GB307P0;
2. The bearings are pressd-in type;
3. Maintain the same tooth profile and width with the cooperating timing pulleys and timing belts.

MXL Idler

Idler Shape (ISO standard rack size)



Center Bearing Type　　Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	40	MXL	037	– 6

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

MXL-Center Bearing Type

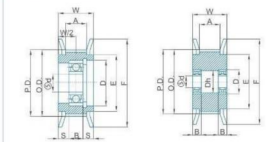
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	20	MXL	019	3	12.94	12.43	18	11	6	10	3	693ZZ×1	8	4
	22			3	14.23	13.72	18	11	6	10	3	693ZZ×1	8	4
	24			3	15.52	15.02	20	13	6	10	3	693ZZ×1	8	4
	30			5	19.40	18.90	25	16	6	10	3	695ZZ×1	13	4
	36			5	23.29	22.78	28	18	6	10	3	695ZZ×1	13	4
									6	10	2.5			
	40		025	6	25.87	25.36	30	20	7.5	11.5	3.25	696ZZ×1	15	5
			037						11	15	5			
			019						6	10	2			
	50		025	8	32.34	31.83	35	25	7.5	11.5	2.75	698ZZ×1	19	6
			037						11	15	4.5			
			019						6	10	2			
	60		025	10	38.81	38.30	44	32	7.5	11.5	2.75	6900ZZ×1	22	6
			037						11	15	4.5			

MXL-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	16	MXL	019	3	10.35	9.84	14	8	6	10	5	673ZZ×2	6	2.5
	20		019	3	12.94	12.43	18	11	6	10	5	673ZZ×2	6	2.5
			025						7.5	11.5				
	22		037	3	14.23	13.72	18	11	11	15	5	673ZZ×2	6	2.5
			050						14	18				
			025						7.5	11.5				
	24		037	4	15.52	15.02	20	13	11	15	6	674ZZ×2	7	2.5
			050						14	18				
	30		019	4	19.40	18.90	25	16	6	10	6	674ZZ×2	7	2.5
			025						7.5	11.5				
	36		037	5	23.29	22.78	28	18	11	15	11	695ZZ×2	13	4
			050						14	18				
			025	5					7.5	11.5	11	695ZZ×2	13	4
	40		037	6	25.87	25.36	30	20	11	15	13	696ZZ×2	15	5
			050						14	18				
			025	5					7.5	11.5	11	695ZZ×2	13	4
	50		037	8	32.34	31.83	35	25	11	15	16.5	698ZZ×2	19	6
			050						14	18				
			025	5					7.5	11.5	11	695ZZ×2	13	4
	60		037	10	38.81	38.30	44	32	11	15	19.5	6900ZZ×2	22	6
			050						14	18				

XL Idler

Idler Shape (ISO standard rack size)



Center Bearing Type　　Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	22	XL	050	– 8

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

XL-Center Bearing Type

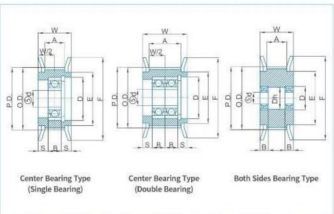
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	18	XL	025	6	29.11	28.60	36	24	7.5	12.5	3.25	626ZZ×1	19	6
			031						9	14	4			
			037						11	16	5			
	20		025	6	32.34	31.83	40	27	7.5	12.5	3.25	626ZZ×1	19	6
			031						9	14	4			
			037						11	16	5			
	22		025	8	35.57	35.07	45	30	7.5	12.5	2.25	628ZZ×1	24	8
			031						9	14	3			
			037						11	16	4			
			050						14	19	5.5			
	25		025	10	40.43	39.92	48	35	7.5	12.5	2.25	6000ZZ×1	26	8
			031						9	14	3			
			037						11	16	4			
			050						14	19	5.5			
	28		025	10	45.28	44.77	55	40	7.5	12.5	2.25	6000ZZ×1	26	8
			031						9	14	2.5	6200ZZ×1	30	9
	30		025	10	48.51	48.00	55	40	7.5	12.5	2.25	6000ZZ×1	26	8
			031						9	14	2.5			
			037						11	16	3.5	6200ZZ×1	30	9
			050						14	19	5			
	36		025	12	58.21	57.70	67	50	7.5	12.5	2.25	6001ZZ×1	28	8
			031						9	14	2			
			037						11	16	3	6201ZZ×1	32	10
			050						14	19	4.5			

XL-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	16	XL	025	5	25.87	25.36	32	20	7.5	12.5	11	695ZZ×2	13	4
			031						9	14				
			037						11	16				
			050						14	19				
	18		037	6	29.11	28.60	36	24	11	16	13	696ZZ×2	15	5
			050						14	19				
	20		037	8	32.34	31.83	40	27	11	16	16.5	698ZZ×2	19	6
			050						14	19				
	22		037	8	35.57	35.07	45	30	11	16	16.5	698ZZ×2	19	6
			050						14	19				
	25		037	10	40.43	39.92	48	35	11	16	19.5	6900ZZ×2	22	6
			050						14	19				
	28		037	10	45.28	44.77	55	40	11	16	19.5	6900ZZ×2	22	6
			050	12					14	19	25	6001ZZ×2	28	8
	30		037	10	48.51	48.00	55	40	11	16	19.5	6900ZZ×2	22	6
			050	12					14	19	25	6001ZZ×2	28	8
	36		037	10	58.21	57.70	67	50	11	16	19.5	6900ZZ×2	22	6
			050	12					14	19	25	6001ZZ×2	28	8

L Idler

Idler Shape (ISO standard rack size)



Center Bearing Type (Single Bearing) | Center Bearing Type (Double Bearing) | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	18	L	075	– 12

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC	AL	AL		Clear Anodize
BLAZ				
BSYC	S45C	S45C	Steel	Black Anodize
BSYZ				
BSPC	S45C	S45C		Electroless Nickel Plating
BSPZ				

L-Center Bearing Type

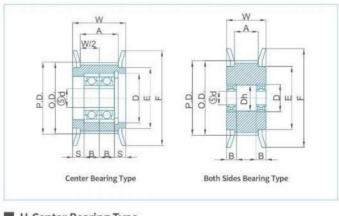
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC BSPC	16	L	050	10	48.51	47.75	55	40	14	19	5	6200ZZ×1	30	9
			075						21	26	8.5			
	18		050	12	54.57	53.81	61	45	14	19	4.5	6201ZZ×1	32	10
			075						21	26	8	6201ZZ×2		
			100						27	32	6			
	20		050	12	60.64	59.88	67	50	14	19	4.5	6201ZZ×1	32	10
			075						21	26	8	6201ZZ×2		
			100						27	32	6			
	22		050	15	66.70	65.94	80	60	14	19	4	6202ZZ×1	35	11
	30		050	15	90.96	90.20	99	80	14	19	4	6202ZZ×1	35	11

L-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ BSPZ	14	L	050	8	42.45	41.68	48	35	14	19	16.5	698ZZ×2	19	6
			075						21	26				
			100						27	32				
			150						40	45				
	15		050	8	45.48	44.72	48	35	14	19	16.5	698ZZ×2	19	6
			075						21	26				
			100						27	32				
			150						40	45				
	16		050	8	48.51	47.75	55	40	14	19	16.5	698ZZ×2	19	6
			075						21	26				
			100						27	32				
			150						40	45				
	16		050	10	48.51	47.75	55	40	14	19	19.5	6900ZZ×2	22	6
			075						21	26				
			100						27	32				
			150						40	45				
	18		050	12	54.57	53.81	61	45	14	19	25	6001ZZ×2	28	8
			075						21	26				
			100						27	32				
			150						40	45				
	20		075	15	60.64	59.88	67	50	21	26	29	6002ZZ×2	32	9
			100						27	32				
			150						40	45				
	22		075	20	66.70	65.94	80	60	21	26	29	6002ZZ×2	32	9
			100						27	32	37	6004ZZ×2	42	12
			150						40	45				
	30		050	15	90.96	90.20	99	80	14	19	22	6901ZZ×2	24	6
			075						21	26	29	6002ZZ×2	32	9
			100	20					27	32	37	6004ZZ×2	42	12
			150						40	45				

H Idler

Idler Shape (ISO standard rack size)



Center Bearing Type | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	20	H	100	– 20

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC	AL	AL		Clear Anodize
BLAZ				
BSYC	S45C	S45C	Steel	Black Anodize
BSYZ				
BSPC	S45C	S45C		Electroless Nickel Plating
BSPZ				

H-Center Bearing Type

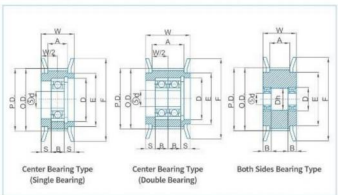
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC BSPC	14	H	075	12	56.60	55.22	61	45	21	26	3	6201ZZ×2	32	10
			100						27	32	6			
			150	15					40	45	11.5	6202ZZ×2	35	11
			200						54	59	18.5			
	16		075	12	64.68	63.31	70	56	21	26	3	6201ZZ×2	32	10
			100						27	32	6			
			150	15					40	45	11.5	6202ZZ×2	35	11
			200						54	59	18.5			
	18		075	15	72.77	71.39	80	60	21	26	4	6002ZZ×2	32	9
	20		075	15	80.85	79.48	87	67	21	26	4	6002ZZ×2	32	9
	22		075	15	88.94	87.56	95	75	21	26	4	6002ZZ×2	32	9
	24		075	15	97.02	95.65	104	84	21	26	4	6002ZZ×2	32	9
	25		075	15	101.06	99.69	111	90	21	26	4	6002ZZ×2	32	9
	28		075	15	113.19	111.82	123	102	21	26	4	6002ZZ×2	32	9

H-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ BSPZ	14	H	075	12	56.60	55.22	61	45	21	26	27	6201ZZ×2	32	10
			100						27	32				
			150	15					40	45	30	6202ZZ×2	35	11
			200						54	59				
	15		075	12	60.64	59.27	67	50	21	26	27	6201ZZ×2	32	10
			100						27	32				
			150	15					40	45	30	6202ZZ×2	35	11
			200						54	59				
	16		075	12	64.68	63.31	70	56	21	26	27	6201ZZ×2	32	10
			100						27	32				
			150						40	45	25	6001ZZ×2	28	8
			200						54	59	27	6201ZZ×2	32	10
	16		100	15	64.68	63.31	70	56	27	32	29	6002ZZ×2	32	9
			150						40	45				
			200						54	59	30	6202ZZ×2	35	11
	18		100	20	72.77	71.39	80	60	27	32	37	6004ZZ×2	42	12
			150						40	45				
			200						54	59	41	6204ZZ×2	47	14
	20		100	20	80.85	79.48	87	67	27	32	37	6004ZZ×2	42	12
			150						40	45				
			200						54	59	41	6204ZZ×2	47	14
	22		100	20	88.94	87.56	95	75	27	32	37	6004ZZ×2	42	12
			150						40	45				
			200						54	59	41	6204ZZ×2	47	14
	24		100	25	97.02	95.65	104	84	27	32	42	6005ZZ×2	47	12
			150						40	45	46	6205ZZ×2	52	15
			200						54	59				
	25		100	25	101.06	99.69	111	90	27	32	42	6005ZZ×2	47	12
			150						40	45	46	6205ZZ×2	52	15
			200						54	59				
	28		100	30	113.19	111.82	123	102	27	32	42	6005ZZ×2	47	12
			150						40	45	56	6206ZZ×2	62	16
			200						54	59				

T5 Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	28	T5	100	10

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

T5-Center Bearing Type

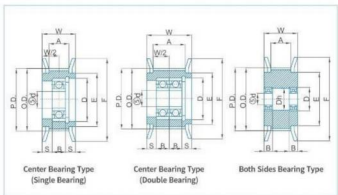
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	18	T5	100	8	28.65	27.80	33	22	11	16	5	698ZZ×1	19	6
	20		100	8	31.83	31.00	36	24	11	16	5	698ZZ×1	19	6
			150						17	22	5	698ZZ×2		
	22		100	10	35.01	34.25	40	27	11	16	5	6900ZZ×1	22	6
	24		100	10	38.20	37.40	45	30	11	16	4	6000ZZ×1	26	8
	25		100	10	39.79	39.00	45	30	11	16	4	6000ZZ×1	26	8
	28		100	10	44.56	43.75	48	35	11	16	3.5	6200ZZ×1	30	9
			150						17	22	6.5			
	30		100	12	47.75	46.95	52	36	11	16	3	6201ZZ×1	32	10
			150						17	22	6			

T5-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	18	T5	100	6	28.65	27.80	33	22	11	16	13	696ZZ×2	15	5
			150						17	22				
			200	8					22	27	16.5	698ZZ×2	19	6
			250						27	32				
	20		100	8	31.83	31.00	36	24	11	16	16.5	698ZZ×2	19	6
			150						17	22				
			200						22	27				
			250						27	32				
	22		150	10	35.01	34.25	40	27	17	22	19.5	6900ZZ×2	22	6
			200						22	27				
			250						27	32				
	24		100	10	38.20	37.40	45	30	11	16	19.5	6900ZZ×2	22	6
			150						17	22				
			200						22	27	23	6000ZZ×2	26	8
			250						27	32				
	25		150	10	39.79	39.00	45	30	17	22	23	6000ZZ×2	26	8
			200						22	27				
			250						27	32				
	28		150	10	44.56	43.75	48	35	17	22	25	6200ZZ×2	30	9
			250						27	32				
	30		150	12	47.75	46.95	52	36	17	22	25	6001ZZ×2	28	8
			200						22	27	27	6201ZZ×2	32	10
			250						27	32				

T10 Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	24	T10	200	20

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

T10-Center Bearing Type

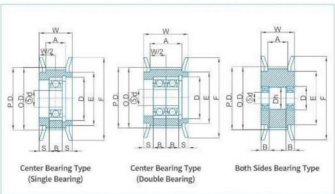
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	16	T10	150	12	50.93	49.05	58	40	17	22	6	6201ZZ×1	32	10
			250	15					27	32	5	6202ZZ×2	35	11
	18		150	12	57.30	55.45	61	45	17	22	6	6201ZZ×1	32	10
	20		150	15	63.66	61.80	67	50	17	22	6			
			250						27	32	5	6202ZZ×2	35	11
	22		150	15	70.03	68.15	80	60	17	22	5.5	6202ZZ×1	35	11
	24		150	15	76.39	74.55	87	67	17	22	5.5	6202ZZ×1	35	11
	26		150	15	82.76	80.90	87	67	17	22	5.5	6202ZZ×1	35	11

T10-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	16	T10	150	12	50.93	49.05	58	40	17	22	25	6001ZZ×2	28	8
			200						22	27				
			250						27	32				
			300						32	37	27	6201ZZ×2	32	10
			150						17	22	29	6002ZZ×2	32	9
			200						22	27				
			250	15					27	32				
			300						32	37				
			400						43	48	30	6202ZZ×2	35	11
			500						53	58				
	18		200	15	57.30	55.45	61	45	22	27	29	6002ZZ×2	32	9
			250						27	32	30	6202ZZ×2	35	11
			300						32	37				
			200						22	27	29	6002ZZ×2	32	9
	20		250		63.66	61.80	67	50	27	32				
			300	15					32	37				
			400						43	48	30	6202ZZ×2	35	11
			500						53	58				
	22		200						22	27				
			250	20	70.03	68.15	80	60	27	32	37	6004ZZ×2	42	12
			300						32	37	41	6204ZZ×2	47	14
	24		200						22	27	37	6004ZZ×2	42	12
			250	20	76.39	74.55	87	67	27	32	41	6204ZZ×2	47	14
			300						32	37				
	26		200						22	27	37	6004ZZ×2	42	12
			250	20	82.76	80.90	87	67	27	32	41	6204ZZ×2	47	14
			300						32	37				

AT5 Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	20	AT5	100	8

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

AT5-Center Bearing Type

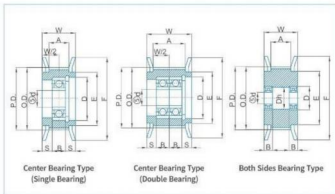
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	20	AT5	100	8	31.83	30.60	36	24	11.6	16.5	5.25	698ZZ×1	19	6
			150						16.6	21.5	4.75	698ZZ×2		
	28		100	10	44.56	43.35	48	35	11.6	16.5	3.75	6200ZZ×1	30	9
			150						16.6	21.5	6.25			
	30		100	12	47.75	46.55	55	40	11.6	16.5	3.25	6201ZZ×1	32	10
			150						16.6	21.5	5.75			

AT5-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	18	AT5	100	6	28.65	27.40	33	22	11.6	16.5	13	696ZZ×2	15	5
	20		100	8	31.83	30.60	36	24	11.6	16.5	16.5	698ZZ×2	19	6
			150						16.6	21.5				
	24		100	10	38.20	37.00	45	30	11.6	16.5	19.5	6900ZZ×2	22	6
			150						16.6	21.5				
	25		150	10	39.79	38.60	45	30	16.6	21.5	23	6000ZZ×2	26	8
	30		150	12	47.75	46.55	55	40	16.6	21.5	27	6201ZZ×2	32	10

AT10 Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	20	AT10	200	15

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

AT10-Center Bearing Type

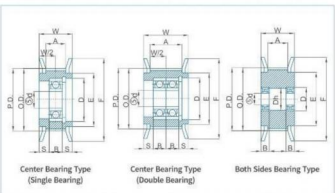
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	16	AT10	150	12	50.93	49.05	58	40	16.5	22.5	6.25	6201ZZ×1	32	10
			250	15					26.5	32.5	5.25	6202ZZ×2	35	11
	20		150	12	63.66	61.80	67	50	16.5	22.5	6.25	6201ZZ×1	32	10
			250	15					26.5	32.5	5.25	6202ZZ×2	35	11
	22		150	15	70.03	68.15	80	60	16.5	22.5	5.75	6202ZZ×1	35	11

AT10-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	16	AT10	150	12	50.93	49.05	58	40	16.5	22.5	25	6001ZZ×2	28	8
			200						21.5	27.5				
			250						26.5	32.5				
			150	15	50.93	49.05	58	40	16.5	22.5	29	6002ZZ×2	32	9
			200						21.5	27.5				
			250						26.5	32.5				
	18		250	15	57.30	55.45	61	45	26.5	32.5	30	6202ZZ×2	35	11
	20		200	15	63.66	61.80	67	50	21.5	27.5	29	6002ZZ×2	32	9
			250						26.5	32.5	30	6202ZZ×2	35	11
	26		250	20	82.76	80.90	87	67	26.5	32.5	41	6204ZZ×2	47	14

HTD3M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	20	H3M	060	5

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

HTD3M-Center Bearing Type

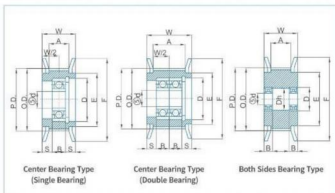
1	2	3	4	5								Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d	P.D.	O.D.	F	E	A	W	S	No.	D	B
BLAC	20	H3M	060	5	19.10	18.34	22	14	7	11	3	685ZZ×1	11	5
			090						11	15	2.5	685ZZ×2		
	24		060	5	22.92	22.16	25	16	7	11	3.5	695ZZ×1	13	4
			090						11	15	3.5	695ZZ×2		
	25		060	5	23.87	23.11	28	18	7	11	3.5	695ZZ×1	13	4
	26		060	6	24.83	24.07	28	18	7	11	3	696ZZ×1	15	5
	28		060	6	26.74	25.98	30	20	7	11	3	696ZZ×1	15	5
	30		060	6	28.65	27.89	32	23	7	11	3	696ZZ×1	15	5
			090						11	15	4.5	626ZZ×1	19	6
	32		060	8	30.56	29.80	35	25	7	11	2.5	698ZZ×1	19	6
			090						11	15	4.5			
	36		060	8	34.38	33.62	40	28	7	11	2.5	698ZZ×1	19	6
	40		060	10	38.20	37.44	44	32	7	11	2.5	6900ZZ×1	22	6
	44		060	10	42.02	41.25	48	36	7	11	2.5	6900ZZ×1	22	6
	48		060	10	45.84	45.07	50	38	7	11	2.5	6900ZZ×1	22	6
	50		060	10	47.75	46.98	52	40	7	11	2.5	6900ZZ×1	22	6
	60		060	10	57.30	56.53	61	46	7	11	2.5	6900ZZ×1	22	6

HTD3M-Both Sides Bearing Type

1	2	3	4	5								Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d	P.D.	O.D.	F	E	A	W	Dh	No.	D	B
BLAZ	20	H3M	060	3	19.10	18.34	22	14	7	11	5	673ZZ×2	8	2.5
			090	4					11	15	6	674ZZ×2	7	
			150	5					17	21	9	685ZZ×2	11	5
	24		060		22.92	22.16	25	16	7	11	11	695ZZ×2	13	4
			090	5					11	15				
			150						17	21				
	25		090	6	23.87	23.11	28	18	11	15	13	696ZZ×2	15	5
			150						17	21				
	26		090	6	24.83	24.07	28	18	11	15	13	696ZZ×2	15	5
			150						17	21				
	28		090	6	26.74	25.98	30	20	11	15	13	696ZZ×2	15	5
			150						17	21				
	30		090	6	28.65	27.89	32	23	11	15	13	696ZZ×2	15	5
			150						17	21				
	32		090	8	30.56	29.80	35	25	11	15	16.5	698ZZ×2	19	6
			150						17	21				
	36		090	10	34.38	33.62	40	28	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	40		090	10	38.20	37.44	44	32	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	44		090	10	42.02	41.25	48	36	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	48		090	10	45.84	45.07	50	38	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	50		090	10	47.75	46.98	52	40	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	60		090	10	57.30	56.53	61	46	11	15	19.5	6900ZZ×2	22	6
			150	12					17	21	25	6001ZZ×2	28	8

HTD5M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	20	H5M	150	8

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

HTD5M-Center Bearing Type

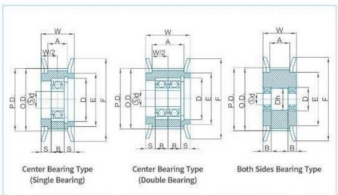
1	2	3	4	5								Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d	P.D.	O.D.	F	E	A	W	S	No.	D	B
BLAC	16	H5M	090	6	25.46	24.32	32	20	11	16	5	606ZZ×1	17	6
	18		090	8	28.65	27.51	33	22	11	16	5	698ZZ×1	19	6
	20		090	8	31.83	30.69	36	24	11	16	5	698ZZ×1	19	6
			150						17	22	5	698ZZ×2		
	22		090	8	35.01	33.87	40	27	11	16	4	628ZZ×1	24	8
			150						17	22	3	628ZZ×2		
	24		090	10	38.20	37.06	45	30	11	16	4	6000ZZ×1	26	8
			150						17	22	3	6000ZZ×2		
	25		090	10	39.79	38.65	45	30	11	16	4	6000ZZ×1	26	8
			150						17	22	3	6000ZZ×2		
	26		090	10	41.38	40.24	48	35	11	16	3.5	6200ZZ×1	30	9
	28		090	10	44.56	43.42	48	35	11	16	3.5	6200ZZ×1	30	9
			150						17	22	6.5			
	30		090	12	47.75	46.61	52	36	11	16	3	6201ZZ×1	32	10
			150						17	22	6			
	32		090	12	50.93	49.79	55	40	11	16	3	6201ZZ×1	32	10
			150	10					17	22	3	6000ZZ×2	26	8
	36		090	12	57.30	56.16	61	45	11	16	3	6201ZZ×1	32	10
	40		090	12	63.66	62.52	67	50	11	16	3	6201ZZ×1	32	10

HTD5M-Both Sides Bearing Type

1	2	3	4	5								Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d	P.D.	O.D.	F	E	A	W	Dh	No.	D	B
BLAZ	16	H5M	150	6	25.46	24.32	32	20	17	22	14.5	606ZZ×2	17	6
			250						27	32				
	18		150	8	28.65	27.51	33	22	17	22	16.5	698ZZ×2	19	6
			250						27	32				
	20		150	8	31.83	30.69	36	24	17	22	16.5	698ZZ×2	19	6
			250						27	32				
	22		150	8	35.01	33.87	40	27	17	22	19.5	608ZZ×2	22	7
			250						27	32				
	24		150	8	38.20	37.06	45	30	17	22	19.5	608ZZ×2	22	7
			250						27	32				
	25		090	6	39.79	38.65	45	30	11	16	13	696ZZ×2	15	5
			150						17	22				
			250						27	32	14.5	606ZZ×2	17	6
			090						11	16	16.5	698ZZ×2	19	6
			150	8	39.79	38.65	45	30	17	22				
			250						27	32	19.5	608ZZ×2	22	7
	26		150	10	41.38	40.24	48	35	17	22	25	6200ZZ×2	30	9
			250						27	32				
	28		090						11	16	19.5	6900ZZ×2	22	6
			150	10	44.56	43.42	48	35	17	22				
			250						27	32	25	6200ZZ×2	30	9
	30		150	12	47.75	46.61	52	36	17	22	25	6001ZZ×2	28	8
			250						27	32	27	6201ZZ×2	32	10
	32		150	12	50.93	49.79	55	40	17	22	25	6001ZZ×2	28	8
			250						27	32	27	6201ZZ×2	32	10
	36		150	15	57.30	56.16	61	45	17	22	29	6002ZZ×2	32	9
			250						27	32	30	6202ZZ×2	35	11
	40		150	15	63.66	62.52	67	50	17	22	29	6002ZZ×2	32	9
			250						27	32	30	6202ZZ×2	35	11

HTD8M Idler

Idler Shape



Center Bearing Type (Single Bearing) | Center Bearing Type (Double Bearing) | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	24	H8M	250	– 12

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

HTD8M-Center Bearing Type

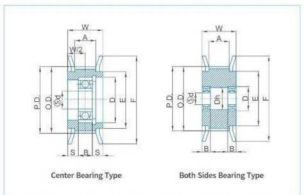
1	2	3	4	5	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	20	H8M	150	12	50.93	49.56	58	40	17	22	6	6201ZZ×1	32	10
			250	15					28	33	5.5	6202ZZ×2	35	11
	22		150	12	56.02	54.65	61	45	17	22	6	6201ZZ×1	32	10
			150	12	61.12	59.74	67	50	17	22	6	6201ZZ×1	32	10
	24		250						28	33	6.5	6201ZZ×2		
			300	15					33	38	8	6202ZZ×2	35	11
			400						44	49	13.5			
	25		150	15	63.66	62.29	70	56	17	22	5.5	6202ZZ×1	35	11
	26		150	15	66.21	64.84	74	58	17	22	5.5	6202ZZ×1	35	11
	28		150	15	71.30	69.93	80	60	17	22	5.5	6202ZZ×1	35	11
			150	15	76.39	75.02	87	67	17	22	5.5	6202ZZ×1	35	11
	30		250						28	33	5.5	6202ZZ×2		
			300	20					33	38	5	6204ZZ×2	47	14
			400						44	49	10.5			
	32		150	20	81.49	80.12	87	67	17	22	4	6204ZZ×1	47	14
	34		150	20	86.58	85.21	95	75	17	22	4	6204ZZ×1	47	14
	40		150	25	101.86	100.49	111	90	17	22	3.5	6205ZZ×1	52	15

HTD8M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	22	H8M	250	12	56.02	54.65	61	45	28	33	27	6201ZZ×2	32	10
			300						33	38				
			400						44	49				
	24		250	12	61.12	59.74	67	50	28	33	27	6201ZZ×2	32	10
			300						33	38				
			400						44	49				
	25		250	12	63.66	62.29	70	56	28	33	27	6201ZZ×2	32	10
			300						33	38				
			400						44	49				
	26		150	12	66.21	64.84	74	58	17	22	25	6001ZZ×2	28	8
			250						28	33				
			300						33	38	27	6201ZZ×2	32	10
			400						44	49				
	28		250	15	71.30	69.93	80	60	28	33	30	6202ZZ×2	35	11
			300						33	38				
			400						44	49				
	30		150	15	76.39	75.02	87	67	17	22	29	6002ZZ×2	32	9
			250						28	33				
			300						33	38	30	6202ZZ×2	35	11
			400						44	49				
	30		250	20	76.39	75.02	87	67	28	33	37	6004ZZ×2	42	12
			300						33	38	41	6204ZZ×2	47	14
			400						44	49				
	32		250	20	81.49	80.12	87	67	28	33	41	6204ZZ×2	47	14
			300						33	38				
			400						44	49				
	34		250	20	86.58	85.21	95	75	28	33	41	6204ZZ×2	47	14
			300						33	38				
			400						44	49				
	40		250	25	101.86	100.49	111	90	28	33	43	6005ZZ×2	47	12
			300						33	38	47	6205ZZ×2	52	15
			400						44	49				

G2M Idler

Idler Shape



Center Bearing Type | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	40	G2M	060	– 6

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC	AL	AL	Steel	Clear Anodize
BLAZ				
BSYC	S45C	S45C		Black Anodize
BSYZ				

G2M-Center Bearing Type

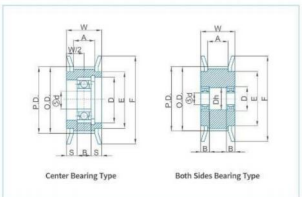
1	2	3	4	5	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC	40	G2M	060	6	25.46	24.96	30	21	7	10.3	3.65	676ZZ×1	10	3
			090						10	13.3	5.15			
	48		040	6	30.56	30.05	35	25	5	8.3	1.65	696ZZ×1	15	5
			060						7	10.3	2.65			
	50		040	6	31.83	31.32	35	25	5	8.3	1.65	696ZZ×1	15	5
			060	8					7	10.3	2.15	698ZZ×1	19	6
	60		040	10	38.20	37.69	44	32	5	8.3	1.15	6900ZZ×1	22	6
			060						7	10.3	2.15			

G2M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ	20	G2M	040	3	12.73	12.22	16	10	5	8.3	5	673ZZ×2	6	2.5
			060						7	10.3				
			090	4					10	13.3	6	674ZZ×2	7	
	30		040	5	19.10	18.59	24	15	5	8.3	7	675ZZ×2	8	2.5
			060						7	10.3				
			090						10	13.3				
	32		040	3	20.37	19.86	25	16	5	8.3	5	673ZZ×2	6	2.5
			060						7	10.3				
			090	4					10	13.3	9.5	694ZZ×2	11	4
	36		040	4	22.92	22.41	28	18	5	8.3	6	674ZZ×2	7	2.5
			060						7	10.3				
			090	5					10	13.3	11	695ZZ×2	13	4
	40		040	4					5	8.3	6	674ZZ×2	7	2.5
			060	5	25.46	24.96	30	20	7	10.3	11	695ZZ×2	13	4
			090	6					10	13.3	13	696ZZ×2	15	5
	48		090	8	30.56	30.05	35	25	10	13.3	16.5	698ZZ×2	19	6
	50		090	8	31.83	31.32	35	25	10	13.3	16.5	698ZZ×2	19	6
	60		090	8	38.20	37.69	44	32	10	13.3	16.5	698ZZ×2	19	6

G3M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	20	G3M	150	– 5

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize
BSYC BSYZ	S45C	S45C		Black Anodize

G3M-Center Bearing Type

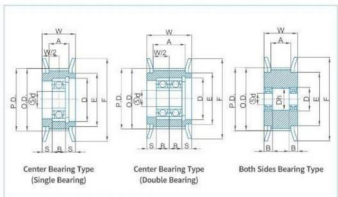
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC	30	G3M	060	6	28.65	27.89	32	23	7.3	11	3	686ZZ×1	13	5
			090	6				23	10.3	14	4.5	686ZZ×1	13	5

G3M-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ	20	G3M	090	5	19.10	18.34	23	14	10.3	14	7	675ZZ×2	8	2.5
			150	5				14	16.3	20	7	675ZZ×2	8	2.5
	24		090	6	22.92	22.16	26	18	10.3	14	9	676ZZ×2	10	3
			150	6				18	16.3	20	9	676ZZ×2	10	3
	30		090	8	28.65	27.89	32	23	10.3	14	11	678ZZ×2	12	3.5
			150	8				23	16.3	20	11	678ZZ×2	12	3.5

G5M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	30	G5M	090	– 12

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize
BSYC BSYZ	S45C	S45C		Black Anodize

G5M-Center Bearing Type

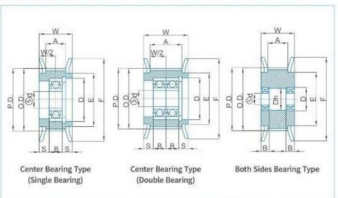
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC	20	G5M	090	8	31.83	30.69	35	24	10.3	14	5.25	678ZZ×1	12	3.5
			120	8				24	13.3	17	5	678ZZ×2	12	3.5
	24		090	10	38.20	37.06	42	30	10.3	14	4.5	6800ZZ×1	19	5
			120	10				30	13.3	17	3.5	6800ZZ×2	19	5
	28		090	10	44.56	43.42	48	36	10.3	14	4.5	6800ZZ×1	19	5
			120	10				36	13.3	17	6	6800ZZ×1	19	5
	30		090	12	47.75	46.61	51	39	10.3	14	4.5	6801ZZ×1	21	5
			120	12				39	13.3	17	6	6801ZZ×1	21	5

G5M-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ	20	G5M	120	8	31.83	30.69	35	24	13.3	17	11	678ZZ×2	12	3.5
			150	8				24	16.3	20	11	678ZZ×2	12	3.5
	30		120	8	47.75	46.61	51	39	13.3	17	11	678ZZ×2	12	3.5
			150	12				39	16.3	20	18.5	6801ZZ×2	21	5
	32		120	12	50.93	49.79	55	42	13.3	17	18.5	6801ZZ×2	21	5
			150	12				42	16.3	20	18.5	6801ZZ×2	21	5
	36		120	15	57.30	56.16	61	49	13.3	17	21.5	6802ZZ×2	24	5
			150	15				49	16.3	20	21.5	6802ZZ×2	24	5

8YU Idler

Idler Shape



Center Bearing Type (Single Bearing) | Center Bearing Type (Double Bearing) | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	30	8YU	200	– 25

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize
BSYC BSYZ	S45C	S45C		Black Anodize

8YU-Center Bearing Type

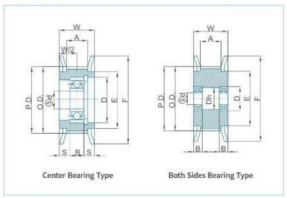
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC	20	8YU	150	20	50.93	49.56	62	40	16.7	23	8	6804ZZ×1	32	7
			200	20				40	21.7	28	7	6804ZZ×2	32	7
	30		150	25	76.39	75.02	85	64	16.7	23	8	6805ZZ×1	37	7
			200	25				64	21.7	28	7	6805ZZ×2	37	7
			250	25				64	26.7	33	9.5	6805ZZ×2	37	7

8YU-Both Sides Bearing Type

1	2	3	4	5	P.D	O.D	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ	30	8YU	200	25	76.39	75.02	85	64	21.7	28	34.5	6805ZZ×2	37	7
			250	25				64	26.7	33	34.5	6805ZZ×2	37	7

S2M Idler

Idler Shape



Center Bearing Type | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	40	S2M	060	– 6

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

S2M-Center Bearing Type

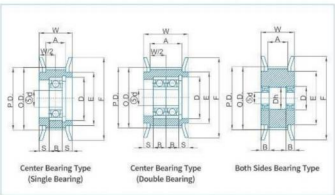
1	2	3	4	5	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	40	S2M	040	5	25.46	24.96	30	20	5	9	2.5	695ZZ×1	13	4
			060	6					7	11	3	696ZZ×1	15	5
			100						11	15	5			
	48		040	6	30.56	30.05	35	25	5	9	2	696ZZ×1	15	5
			060						7	11	3			
	50		040	6	31.83	31.32	35	25	5	9	2	696ZZ×1	15	5
			060	8					7	11	2.5	698ZZ×1	19	6
	60		040	10	38.20	37.69	44	32	5	9	1.5	6900ZZ×1	22	6
			060						7	11	2.5			

S2M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	20	S2M	040	3	12.73	12.22	16	10	5	9	5	673ZZ×2	6	2.5
			060						7	11				
			100	4					11	15	6	674ZZ×2	7	
	30		040	3	19.01	18.59	22	14	5	9	5	673ZZ×2	6	2.5
			060						7	11				
			100	4					11	15	6	674ZZ×2	7	
	32		040	3	20.37	19.86	25	16	5	9	5	673ZZ×2	6	2.5
			060						7	11				
			100	4					11	15	9.5	694ZZ×2	11	4
	36		040	4	22.92	22.41	28	18	5	9	6	674ZZ×2	7	2.5
			060						7	11				
			100	5					11	15	11	695ZZ×2	13	4
	40		040	4	25.46	24.96	30	20	5	9	6	674ZZ×2	7	2.5
			060	5					7	11	11	695ZZ×2	13	4
			100	6					11	15	13	696ZZ×2	15	5
	48		100	8	30.56	30.05	35	25	11	15	16.5	698ZZ×2	19	6
	50		100	8	31.83	31.32	35	25	11	15	16.5	698ZZ×2	19	6
	60		100	8	38.20	37.69	44	32	11	15	16.5	698ZZ×2	19	6

S3M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	20	S3M	150	– 15

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL	Steel	Clear Anodize

S3M-Center Bearing Type

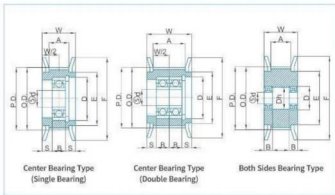
1	2	3	4	5	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC	20	S3M	060	5	19.10	18.34	22	14	7	11	3	685ZZ×1	11	5
			100						11	15	2.5	685ZZ×2		
	24		060	5	22.92	22.16	25	16	7	11	3.5	695ZZ×1	13	4
			100						11	15	3.5	695ZZ×2		
	25		060	5	23.87	23.11	28	18	7	11	3.5	695ZZ×1	13	4
	26		060	6	24.83	24.07	28	18	7	11	3	696ZZ×1	15	5
	28		060	6	26.74	25.98	30	20	7	11	3	696ZZ×1	15	5
	30		060	6	28.65	27.89	32	23	7	11	3	696ZZ×1	15	5
			100						11	15	4.5	626ZZ×1	19	6
	32		060	8	30.56	29.80	35	25	7	11	2.5	698ZZ×1	19	6
			100						11	15	4.5			
	36		060	8	34.38	33.62	40	28	7	11	2.5	698ZZ×1	19	6
	40		060	10	38.20	37.44	44	32	7	11	2.5	6900ZZ×1	22	6
	44		060	10	42.02	41.25	48	36	7	11	2.5	6900ZZ×1	22	6
	48		060	10	45.84	45.07	50	38	7	11	2.5	6900ZZ×1	22	6
	50		060	10	47.75	46.98	52	40	7	11	2.5	6900ZZ×1	22	6
	60		060	10	57.30	56.53	61	46	7	11	2.5	6900ZZ×1	22	6

S3M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ	20	S3M	060	3	19.10	18.34	22	14	7	11	5	673ZZ×2	6	2.5
			100	4					11	15	6	674ZZ×2	7	
			150	5					17	21	9	685ZZ×2	11	5
			060						7	11				
	24		100	5	22.92	22.16	25	16	11	15	11	695ZZ×2	13	4
			150						17	21				
	25		100	6	23.87	23.11	28	18	11	15	13	696ZZ×2	15	5
			150						17	21				
	26		100	6	24.83	24.07	28	18	11	15	13	696ZZ×2	15	5
			150						17	21				
	28		100	6	26.74	25.98	30	20	11	15	13	696ZZ×2	15	5
			150						17	21				
	30		100	6	28.65	27.89	32	23	11	15	13	696ZZ×2	15	5
			150						17	21				
	32		100	8	30.56	29.80	35	25	11	15	16.5	698ZZ×2	19	6
			150						17	21				
	36		100	10	34.38	33.62	40	28	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	40		100	10	38.20	37.44	44	32	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	44		100	10	42.02	41.25	48	36	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	48		100	10	45.84	45.07	50	38	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	50		100	10	47.75	46.98	52	40	11	15	19.5	6900ZZ×2	22	6
			150						17	21				
	60		100	10	57.30	56.53	61	46	11	15	19.5	6900ZZ×2	22	6
			150	12					17	21	25	6001ZZ×2	28	8

S5M Idler

Idler Shape



Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAC	30	S5M	100	– 12

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC	AL	AL	Steel	Clear Anodize
BLAZ				
BSYC	S45C	S45C		Black Anodize
BSYZ				
BSPC	S45C	S45C		Electroless Nickel Plating
BSPZ				

S5M-Center Bearing Type

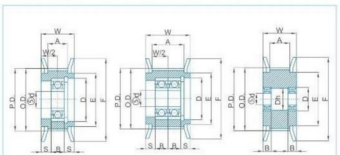
1	2	3	4	5	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAC BSYC BSPC	16	S5M	100	6	25.46	24.50	32	20	11	16	5	606ZZ×1	17	6
	18		100	8	28.65	27.69	33	22	11	16	5	698ZZ×1	19	6
	20		100	8	31.83	30.87	36	24	11	16	5	698ZZ×1	19	6
			150						17	22	5	698ZZ×2		
	22		100	8	35.01	34.05	40	27	11	16	4	628ZZ×1	24	8
			150						17	22	3	628ZZ×2		
	24		100	10	38.20	37.24	45	30	11	16	4	6000ZZ×1	26	8
			150						17	22	3	6000ZZ×2		
	25		100	10	39.79	38.83	45	30	11	16	4	6000ZZ×1	26	8
			150						17	22	3	6000ZZ×2		
	26		100	10	41.38	40.42	48	35	11	16	3.5	6200ZZ×1	30	9
	28		100	10	44.56	43.60	48	35	11	16	3.5	6200ZZ×1	30	9
			150						17	22	6.5			
	30		100	12	47.75	46.79	52	36	11	16	3	6201ZZ×1	32	10
			150						17	22	6			
	32		100	12	50.93	49.97	55	40	11	16	3	6201ZZ×1	32	10
			150	10					17	22	3	6000ZZ×2	26	8
	36		100	12	57.30	56.34	61	45	11	16	3	6201ZZ×1	32	10
	40		100	12	63.66	62.70	67	50	11	16	3	6201ZZ×1	32	10

S5M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
BLAZ BSYZ BSPZ	16	S5M	150	6	25.46	24.50	32	20	17	22	14.5	606ZZ×2	17	6
			250						27	32				
	18		150	8	28.65	27.69	33	22	17	22	16.5	698ZZ×2	19	6
			250						27	32				
	20		150	8	31.83	30.87	36	24	17	22	16.5	698ZZ×2	19	6
			250						27	32				
	22		150	8	35.01	34.05	40	27	17	22	19.5	608ZZ×2	22	7
			250						27	32				
	24		150	8	38.20	37.24	45	30	17	22	19.5	608ZZ×2	22	7
			250						27	32				
	25		100	6	39.79	38.83	45	30	11	16	13	696ZZ×2	15	5
			150						17	22				
			250						27	32	14.5	606ZZ×2	17	6
			100						11	16	16.5	698ZZ×2	19	6
	25		150	8	39.79	38.83	45	30	17	22				
			250						27	32	19.5	608ZZ×2	22	7
	26		150	10	41.38	40.42	48	35	17	22	25	6200ZZ×2	30	9
			250						27	32				
	28		100						11	16	19.5	6900ZZ×2	22	6
			150	10	44.56	43.60	48	35	17	22				
			250						27	32	25	6200ZZ×2	30	9
	30		150	12	47.75	46.79	52	36	17	22	25	6001ZZ×2	28	8
			250						27	32	27	6201ZZ×2	32	10
	32		150	12	50.93	49.97	55	40	17	22	25	6001ZZ×2	28	8
			250						27	32	27	6201ZZ×2	32	10
	36		150	15	57.30	56.34	61	45	17	22	29	6002ZZ×2	32	9
			250						27	32	30	6202ZZ×2	35	11
	40		150	15	63.66	62.70	67	50	17	22	29	6002ZZ×2	32	9
			250						27	32	30	6202ZZ×2	35	11

S8M Idler

Idler Shape



Center Bearing Type (Single Bearing) | Center Bearing Type (Double Bearing) | Both Sides Bearing Type

Idler Product No. Example

1	2	3	4	5
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d
BLAZ	30	S8M	250	15

Idler Code (Material and Surface Treatment)

Idler Code	Material			Surface Treatment
	Pulley	Flange	Bearing	
BLAC BLAZ	AL	AL		Clear Anodize
BSYC BSYZ	S45C	S45C	Steel	Black Anodize
BSPC BSPZ	S45C	S45C		Electroless Nickel Plating

S8M-Center Bearing Type

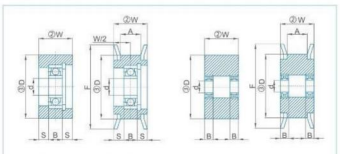
1	2	3	4	5	P.D	O.D	F	E	A	W	S	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
	20		150	12	50.93	49.56	58	40	17	22	6	6201ZZ×1	32	10
			250	15					28	33	5.5	6202ZZ×2	35	11
	22		150	12	56.02	54.65	61	45	17	22	6	6201ZZ×1	32	10
			150	12					17	22	6	6201ZZ×1	32	10
	24		250		61.12	59.74	67	50	28	33	6.5	6201ZZ×2		
			300	15					33	38	8	6202ZZ×2	35	11
			400						44	49	13.5			
BLAC	25		150	15	63.66	62.29	70	56	17	22	5.5	6202ZZ×1	35	11
BSYC	26	S8M	150	15	66.21	64.84	74	58	17	22	5.5	6202ZZ×1	35	11
BSPC	28		150	15	71.30	69.93	80	60	17	22	5.5	6202ZZ×1	35	11
			150	15					17	22	5.5	6202ZZ×1	35	11
	30		250		76.39	75.02	87	67	28	33	5.5	6202ZZ×2		
			300	20					33	38	5	6204ZZ×2	47	14
			400						44	49	10.5			
	32		150	20	81.49	80.12	87	67	17	22	4	6204ZZ×1	47	14
	34		150	20	86.58	85.21	95	75	17	22	4	6204ZZ×1	47	14
	40		150	20	101.86	100.49	111	90	17	22	3.5	6205ZZ×1	52	15

S8M-Both Sides Bearing Type

1	2	3	4	5	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions		
Idler Code	Teeth	Type	Nominal Width	Shaft Dia. d								No.	D	B
			250						28	33				
	22		300	12	56.02	54.65	61	45	33	38	27	6201ZZ×2	32	10
			400						44	49				
			250						28	33				
	24		300	12	61.12	59.74	67	50	33	38	27	6201ZZ×2	32	10
			400						44	49				
			250						28	33				
	25		300	12	63.66	62.29	70	56	33	38	27	6201ZZ×2	32	10
			400						44	49				
			150						17	22				
	26		250	12	66.21	64.84	74	58	28	33	25	6001ZZ×2	28	8
			300						33	38	27	6201ZZ×2	32	10
			400						44	49				
			250						28	33				
BLAZ	28		300	15	71.30	69.93	80	60	33	38	30	6202ZZ×2	35	11
BSYZ		S8M	400						44	49				
BSPZ			150						17	22				
	30		250	15	76.39	75.02	87	67	28	33	29	6002ZZ×2	32	9
			300						33	38	30	6202ZZ×2	35	11
			400						44	49				
			250						28	33	37	6004ZZ×2	42	12
	30		300	20	76.39	75.02	87	67	33	38	41	6204ZZ×2	47	14
			400						44	49				
			250						28	33				
	32		300	20	81.49	80.12	87	67	33	38	41	6204ZZ×2	47	14
			400						44	49				
			250						28	33		6005ZZ×2	47	12
	34		300	20	86.58	85.21	95	75	33	38	41	6205ZZ×2	52	15
			400						44	49				
			250						28	33	43	6005ZZ×2	47	12
	40		300	25	101.86	100.49	111	90	33	38	47	6206ZZ×2	62	16
			400						44	49				

Backside Tension Idler Pulley

Idler Shape



No Flange Type | Flange Type | No Flange Type | Flange Type

Center Bearing Type | Both Sides Bearing Type

Idler Product No. Example

1	2	3
Idler Code	Width	Outer Dia / Nominal +
BLAD	9	20

*For center-bearing types, indicate the outer diameter D; for double-bearing typesindicate the nominal diameter.

Idler Code (Material and Surface Treatment)

No Flange Type	Flange Type	Material			Surface Treatment
		Pulley	Flange	Bearing	
BLAD	BLAF	AL	AL		Clear Anodize
BSYD	BSYF	S45C	S45C	Steel	Black Anodize
BSPD	BSPF	S45C	S45C		Electroless Nickel Plating

Center Bearing Type

1	2	3	F	A	S	Applicable Belt Nominal Width		Bearing Dimensions			Width
Idler Code	Width	Outer Dia				Inch	Metric	No.	d	B	
	9	20	25	5	2.5	-	040	695ZZ	5	4	C型No.13
		25	30								
No Flange Type	10	25	30	6	2.5	019	-	696ZZ	6	5	C型No.15
	11	25	30	7	3	-	060	696ZZ	6	5	C型No.15
BLAD	11.5	25	30	7.5	3.25	025	-	696ZZ	6	5	C型No.15
BSYD	14	30	35	9	4	031		698ZZ	8	6	C型No.19
BSPD	15	30	35	11	4.5		100	698ZZ	8	6	C型No.19
	16	40	48		4	037		6000ZZ	10	8	C型No.26
		30	36		6.5			698ZZ	8	6	C型No.19
Flange Type	19	35	45	14	5.5	050	-	628ZZ	8	8	C型No.24
BLAF		45	55		5			6200ZZ	10	9	C型No.30
BSYF	22	35	45	17	7	-	150	6000ZZ	10	8	C型No.26
BSPF		45	55		6.5			6200ZZ	10	9	C型No.30
		40	48		9			6000ZZ	10	8	C型No.26
	26	45	55	21	8.5	075	-	6200ZZ	10	9	C型No.30
		50	58		8.5				10	9	

Both Sides Bearing Type

1	2	3	OD(D)	F	A	Applicable Belt Nominal Width		Bearing Dimensions		
Idler Code	Width	Nominal				Inch	Metric	No.	d	B
	9	15	15	18	5	-	040	675ZZ×2	5	2.5
		20Z	20	25				676ZZ×2	6	3
	11	15	15	18	7		060	675ZZ×2	5	2.5
		20	20	25				676ZZ×2	6	3
	11.5	15	15	18	7.5	025	-	675ZZ×2	5	2.5
		20	20	25				676ZZ×2	6	3
	15	20	20	25	11	037	100	686ZZ×2	6	5
		25	25	30				688ZZ×2	8	5
No Flange Type	19	25	25	32	14	050	-	688ZZ×2	8	5
BLAD		30Z	30	36				688ZZ×2	8	5
	22	25	25	32	17	-	150	688ZZ×2	8	5
		35Z	35	45				6000ZZ×2	10	8
	26	40Z	40	48	21	075	-	6000ZZ×2	10	8
Flange Type		45Z	45	55				6201ZZ×2	12	10
BLAF	27	60	60	67	22	-	200			
	32	45	45	55	27	100	250	6201ZZ×2	12	10
		65	65	74	32					
	37	55	55	67		-	300			
		65	65	74						
	45	70	70	80	40	150	-			
	49	60	60	67	44	-	400	6202ZZ×2	15	11
		70	70	80						
	58	60	60	67	53		500			
	59	70	70	80	54	200	-			

KEYLESS TIMING PULLEY



KEYLESS TIMING PULLEY

01 Product Overview

Keyless timing pulley is a combination of keyless bushing and timing pulley components. Keyless bushing is generally made of iron material, and it is generally composed of two parts: inner sleeve and outer sleeve. The side face is tightened with screws. During the process of screwing in the screws, the conical pressure between the inner sleeve and the outer sleeve exerts a force on each other, and the inner sleeve is tightened with the rotating shaft to achieve torque transmission.
Herz Transmission not only produces timing pulleys and idlers, but also produces keyless bushings. After being assembled with timing pulleys, we provide customers with keyless timing pulleys. The product has been widely used in various automation equipment such as mechanical packaging, new energy photovoltaic industry, medical biology, robot arms, intelligent warehousing lifting equipment, etc. Keyless timing pulleys are mainly divided into two types: those with centering function and those without centering function.
The keyless timing pulley with centering function mainly relies on the outer liner of the keyless bushing and the inner surface of the timing pulley toto fit tightly together, ensuring the same degree of pull between the timing pulley and the bushing.
The keyless timing pulley without centering function mainly relies on the inner surface of the pulley's beltr and the same beltr of the keyless bushing to cooperate with each other. After locking the bolt, the tight fit between the bushing and pulley and the locking force of the bolt are used to achieve the fixing effect on the shaft.

02 Characteristics

1. Accurate transmission ratio, no sliding;
2. Smooth transmission and low voice;
3. High transmission efficiency and significant energy-saving effect;
4. The coordinated transmission of timing belt and pulley can alleviate impact and vibration:
5. The center distance is not limited, and with appropriate tensioning structures, long-distance transmission can be achieved;
6.When subjected to excessive load, slippage may occur, which to some extent provides overload protection;
7. No need to add lubrication, maintain a pollution-free working environment;
8. Simple structure, low cost, easy manufacturing, installation, and maintenance.

03 Usage Instructions

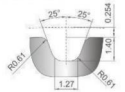
1. Remove dirt from the shaft surface and apply lubricating oil or grease
2. Position, temporarily assemble the keyless bushing and hub, and insert them into the shaft,
3. Tighten the bolts and use a torque wrench to tighten and lock them in diagonal order.

Caution

If the bolts are tightened before installation into the wheel hole or insertion into the shaft, it will cause the keyless bushing to deform and become unusable.

XL Keyless Timing Pulleys

Tooth Profile Diagram (ISO standard rack size)

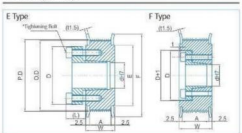


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	30	T5	200	F	10

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		

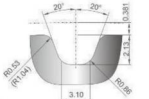
Note: Keyless refer to Page 81

Dimension Specification Sheet

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)		P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type	F Type				
					ST Keyless Bushing	SH Keyless Bushing				
BLAK	20	XL	050 * A:14 * W:19	E	8	-	32.34	31.83	40	27
	21						33.96	33.45		
	22				8	8	35.57	35.07	45	30
	24						38.81	38.30		
	25				8-10-11	8-10-11	40.43	39.92	48	35
	26				8-10~12-14~17	8-10~12	42.04	41.53		
	28						45.28	44.77	55	40
	30				10~12-14~17	10~12	48.51	48.00	55	40
	32				10~12-14~18	10~12	51.74	51.24	61	45
	34			E			54.98	54.47		
	36				10~12-14~20-22	10~12	58.21	57.70	67	50
BSYK	38						61.45	60.94		
	40			F	10~12-14~20-22-24-25-28-30	10~12	64.68	64.17	74	58
	42						67.91	67.41		
	44				10~12-14~20-22-24-25-28-30-32	10~12	71.15	70.64	80	60
	46						74.38	73.87		
	48						77.62	77.11	87	67
	50						80.85	80.34	87	67
	60						97.02	96.51	104	84
	72						116.43	115.92	123	102

L Keyless Timing Pulleys

Tooth Profile Diagram (ISO standard rack size)

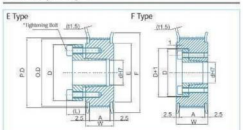


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	20	L	075	E	17

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

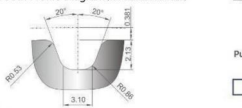
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type							
					L050	L075	L100	L150				
					ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing				
BLAK	14	L	050 * A: 14 * W: 19	E	8-10~12	10~12	10~12	11-12	42.45	41.68	48	35
	15				8-10~12	10~12	10~12	11-12	45.48	44.72		
	16				10~12	10~12	10~12	11~12	48.51	47.75	55	40
	17				14~17	14~17	14~17	14~17	51.54	50.78		
	18								54.57	53.81	61	45
	19				12-14~17				57.61	56.84	67	50
	20								60.64	59.88	67	50
	21				12-14~20-22-24-25				63.67	62.91	70	56
BLKK	22		075 * A: 21 * W: 26						66.70	65.94	80	60
	24				12-14~20-22-24-25-28-30				72.77	72.00		
	25				12-14~20-22-24-25-28-30-32				75.80	75.04	87	67
	26								78.83	78.07		
BSYK	28		100 * A: 27 * W: 32						84.89	84.13	95	75
	30				12-14~20-22-24-25-28-30-32	12-14~20-22-24-25-28-30-32-35			90.96	90.20	99	80
	32								97.02	96.26	104	84
	34								103.08	102.32	111	90
BSPK	36		150 * A: 40 * W: 45						109.15	108.39	123	102
	38				15~20-22-24-25-28-30-32	15~20-22-24-25-28-30-32-35			115.21	114.45	127	105
	40								121.26	120.51	131	110
	42								127.34	126.58	135	115
	44				16~20-22-24-25-28-30-32-35	16~20-22-24-25-28-30-32-35	-		133.40	132.64	140	120
	48								145.53	144.77	152	130
	50								151.60	150.83	160	140

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type							
					L050	L075	L100	L150				
					SH Keyless Bushing	SH Keyless Bushing	SH Keyless Bushing	SH Keyless Bushing				
BLAK	14	L	050 * A: 14 * W: 19	F	8-10	8-10	-	-	42.45	41.68	48	35
	15				8-10	8-10	10-11	11-12	45.48	44.72		
	16				10~12	10~12-14-15		11-12-14-15	48.51	47.75	55	40
	17								51.54	50.78		
	18				10~12	10-11-12-14~17		11-12-14~17	54.57	53.81	61	45
	19				12	12-14~17			57.61	56.84	67	50
	20								60.64	59.88	67	50
	21				12	12-14~20-22-24-25			63.67	62.91	70	56
BLKK	22		075 * A: 21 * W: 26						66.70	65.94	80	60
	24				12	12-14~20-22-24-25-28-30			72.77	72.00		
	25				12	12-14~20-22-24-25-28-30-32			75.80	75.04	87	67
	26								78.83	78.07		
BSYK	28		100 * A: 27 * W: 32						84.89	84.13	95	75
	30				12	12-14~20-22-24-25-28-30-32	12-14~20-22-24-25-28-30-32-35		90.96	90.20	99	80
	32								97.02	96.26	104	84
	34								103.08	102.32	111	90
BSPK	36		150 * A: 40 * W: 45						109.15	108.39	123	102
	38				-	15~20-22-24-25-28-30-32	15~20-22-24-25-28-30-32-35		115.21	114.45	127	105
	40								121.26	120.51	131	110
	42								127.34	126.58	135	115
	44				-	16~20-22-24-25-28-30-32	16~20-22-24-25-28-30-32-35	-	133.40	132.64	140	120
	48								145.53	144.77	152	130
	50								151.60	150.83	160	140

L Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram (ISO standard rack size)

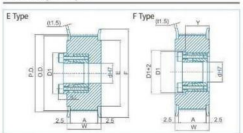


Note:
Tooth groove dimensions slightly change according to No. of toxch

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	24	L	100	F	20

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM				Hard Clear Anodize		
BSMM				-		
BSYM	S45C	S45C	S45C	Black Anodize		-
BSPM				Electroless Nickel Plating		-

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y ( ) is with Shaft Bore inner diameter of 12 or more

Pulley Shape E

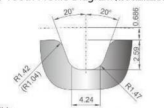
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type							
					L050	L075	L100	L150				
	14				8-10	8-10	8-10	8-10	42.45	41.88	48	35
	15								45.48	44.72		
	16				10-12-14	10-12-14	10-12-14	10-12-14	48.51	47.75	55	40
BLAM	17								51.54	50.78		
	18		050		10-12-14-16	10-12-14-16			54.57	53.81	61	45
	19		* A: 14		12-14-19	12-14-19			57.61	56.84	67	50
	20		* W: 19						60.64	59.88	67	50
BLKM	21				12-14-19	12-14-20			63.67	62.91	70	56
	22		075			12-14-20-22			66.70	65.94	80	60
	24		* A: 21		12-14-19				72.77	72.00		
	25		* W: 26			12-14-20-22-24-25-28			75.80	75.04	87	67
BSMM	26	L		E					78.83	78.07		
	28		100						84.89	84.13	95	75
	30		* A: 27		12-14-19	12-14-20-22-24-25-28-30-32			90.96	90.20	99	80
BSYM	32		* W: 32						97.02	96.26	104	84
	34		150		12-14-19	12-14-20-22-24-25-28-30-32	12-14-20-22-24-25-28-30-32-35		103.08	102.32	111	90
	36		* A: 40				15-20-22-24-25-28-30-32-35-40		109.15	108.39	123	102
	38		* W: 45		15-19	15-20-22-24-25-28-30-32	15-20-22-24-25-28-30-32-35-40-45		115.21	114.45	127	105
BSPM	40								121.26	120.51	131	110
	42								127.34	126.58	135	115
	44								133.40	132.64	140	120
	48				16-19	16-20-22-24-25-28-30-32	16-20-22-24-25-28-30-32-35-40-45-50		145.53	144.77	152	130
	50								151.60	150.83	160	140

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type							
					L050	L075	L100	L150				
	14				8-10	8-10	8-10	8-10	42.45	41.68	48	35
	15		050						45.48	44.72		
	16		* A:14		10	10-12-14	10-12-14	10-12-14	48.51	47.75	55	40
	17		* W:19						51.54	50.78		
	18		* Y:13		10	10-12-14-16	10-12-16		54.57	53.81	61	45
BLAM	19		075		—	12-14-19	12-14-19		57.61	56.84	67	50
	20		* A:21		—	12-14-19	12-14-19		60.64	59.88	67	50
	21		* W:26		—	12-14-19	12-14-20		63.67	62.91	70	56
BLKM	22		* Y:14		—	12-14-19	12-14-20-22		66.70	65.94	80	60
	24		(dH7+Y+1.5)						72.77	72.00		
	25		100		—	12-14-19	12-14-20-22-24-25-28		75.80	75.04	87	67
BSMM	26	L	* A:27	F					78.83	78.07		
	28		* W:32						84.89	84.13	95	75
	30		* Y:14		—	12-14-19	12-14-20-22-24-25-28-30	12-14-20-22-24-25-28-30-32	90.96	90.20	99	80
BSYM	32		(dH7+Y+1.5)						97.02	96.26	104	84
	34		(dH7+Y+28.5)		—	12-14-19	12-14-20-22-24-25-28-30	12-14-20-22-24-25-28-30-32-35	103.08	102.32	111	90
	36				—	15-19	12-14-20-22-24-25-28-30	15-20-22-24-25-28-30-32-35-40	109.15	108.39	123	102
	38		150						115.21	114.45	127	105
BSPM	40		* A:40		—	15-19	12-14-20-22-24-25-28-30	15-20-22-24-25-28-30-32-35-40-45	121.26	120.51	131	110
	42		* Y:19						127.34	126.58	135	115
	44		(dH7+Y+25)						133.40	132.64	140	120
	48		(dH7+Y+32)		—	16-19	16-20-22-24-25-28-30	16-20-22-24-25-28-30-32-35-40-45	145.53	144.77	152	130
	50								151.60	150.83	160	140

H Keyless Timing Pulleys

Tooth Profile Diagram (ISO standard rack size)

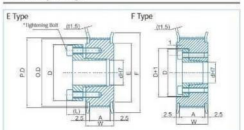


Note:
Tooth groove dimensions slightly change according to No. of toxch

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	20	H	100	E	20

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

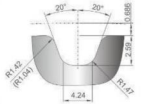
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type							
					H075 ST Keyless Bushing	H100 ST Keyless Bushing	H150 ST Keyless Bushing	ST Keyless Bushing				
	14				12-14-17	12-14-17	15-17	16-17	56.60	55.22	61	45
	15				14-20	14-20	15-20	16-20	60.64	59.27	67	50
	16		075						64.68	63.31	70	56
	17		* A: 21		14-20-22-24-25	14-20-22-24-25	15-20-22-24-25	16-20-22-24-25	68.72	67.35	80	60
	18		* W: 26						72.77	71.39		
	19								76.81	75.44	87	67
BLAK	20		100		14-20-22-24-25 28-30-32	14-20-22-24-25 28-30-32	15-20-22-24-25 28-30-32	16-20-22-24-25 28-30-32	80.85	79.48	87	67
	21		* A: 27						84.89	83.52		
	22	H	* W: 32	E	14-20-22-24-25 28-30-32	14-20-22-24-25 28-30-32-35	15-20-22-24-25 28-30-32-35	16-20-22-24-25 28-30-32-35	88.94	87.56	95	75
BSYK	24		150		19-20-22-24-25 28-30-32-35	19-20-22-24-25 28-30-32-35	19-20-22-24-25 28-30-32-35	19-20-22-24-25 28-30-32-35	97.02	95.65	104	84
	25		* A: 40						101.06	99.69	111	90
	26		* W: 45						105.11	103.73	111	90
BSPK	28		200						113.19	111.82	123	102
	30		* A: 54		20-22-24-25 28-30-32	20-22-24-25 28-30-32-35	20-22-24-25 28-30-32-35	20-22-24-25 28-30-32-35	121.28	119.90	127	105
	32		* W: 59						129.36	127.99	135	115
	34								137.45	136.07	144	125
	36								145.53	144.16	152	130

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type							
					H075 SH Keyless Bushing	H100 SH Keyless Bushing	H150 SH Keyless Bushing	H200 SH Keyless Bushing				
	14				12-14-17		15-17	16-17	56.60	55.22	61	45
	15				14-20		15-20	16-17-19-20	60.64	59.27	67	50
	16		075						64.68	63.31	70	56
	17		* A: 21		14-20-22-24-25		15-20-22-24-25	16-20-22-24-25	68.72	67.35	80	60
	18		* W: 26						72.77	71.39		
	19								76.81	75.44	87	67
BLAK	20		100		14-20-22-24-25-28-30-32		15-20-22-24-25-28-30-32	16-20-22-24-25-28-30-32	80.85	79.48	87	67
	21		* A: 27						84.89	83.52		
	22	H	* W: 32	F	14-20-22-24-25-28-30-32		15-20-22-24-25-28-30-32-35	16-20-22-24-25-28-30-32-35	88.94	87.56	95	75
BSYK	24		150		19-20-22-24-25 28-30-32		19-20-22-24-25 28-30-32-35	19-20-22-24-25 28-30-32-35	97.02	95.65	104	84
	25		* A: 40						101.06	99.69	111	90
	26		* W: 45						105.11	103.73	111	90
BSPK	28		200		20-22-24-25 28-30-32		20-22-24-25 28-30-32-35	20-22-24-25 28-30-32-35	113.19	111.82	123	102
	30		* A: 54						121.28	119.90	127	105
	32		* W: 59						129.36	127.99	135	115
	34				20-22-24-25 28-30-32		20-22-24-25 28-30-32-35	20-22-24-25 28-30-32-35	137.45	136.07	144	125
	36								145.53	144.16	152	130

H Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram (ISO standard rack size)

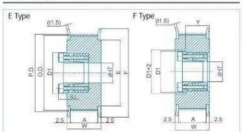


Note:
Tooth groove dimensions slightly change according to No. of tooth
( ) Tooth No. 53T

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	30	H	200	F	35

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BSMM				-		-
BSYM	S45C	S45C	S45C	Black Anodize		
BSPM				Electroless Nickel Plating		

Note1: For details on keyless timing pulleys, please refer to page P81.
Note2: For the Y dimension, values in parentheses are applicable. H100 dimensions applyto shaft bores > 24 mm; H150 and H200 dimensions apply to shaft bores > 35mm.

Pulley Shape E

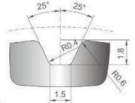
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type				P.D.	O.D.	F	E
					H075	H100	H150	H200				
	14				12-14-15-16		12-14-15-16		56.60	55.22	61	45
	15				14-19		14-19		60.64	59.27	67	50
	16		075		14-20		14-20		64.68	63.31	70	56
	17		* A: 21						68.72	67.35		
	18		* W: 25		14-20-22		14-20-22		72.77	71.39	80	60
	19		* Y: 18						76.81	75.44		
BLAM	20		100		14-20-22-24-25-28		14-20-22-24-25-28		80.85	79.48	87	67
	21		* A: 27						84.89	83.52		
	22		* W: 32		14-20-22-24-25-28-30-32		14-20-22-24-25-28-30-32		88.94	87.56	95	75
BSMM	24		* Y: 22		19-20-22-24-25-28-30-32		19-20-22-24-25-28-30-32		97.02	95.65	104	84
	25	H	(t24~ Y=23.5)	E	19-20-22-24-25-28-30-32		19-20-22-24-25-28-30-32-35		101.06	99.69	111	90
	26		150		20-22-24-25-28-30-32		20-22-24-25-28-30-32-35		105.11	103.73	111	90
BSYM	28		* A: 40		20-22-24-25-28-30-32		20-22-24-25-28-30-32-35-40		113.19	111.82	123	102
	30		* W: 45		20-22-24-25-28-30-32		20-22-24-25-28-30-32-35-40-45		121.28	119.91	127	105
	32		* Y: 28						129.36	127.99	135	115
	34		(t35~ Y=32)		20-22-24-25-28-30-32		20-22-24-25-28-30-32-35-40-45-50		137.45	136.08	144	125
BSPM	36		200						145.53	144.16	152	130
	38		* A: 54						153.62	152.25	165	140
	40		* W: 59						161.70	160.33	170	150
	42		* Y: 35						169.79	168.42	180	155
	44		(t35~ Y=39)		-		20-22-24-25-28-30-32-35-40-45-50	-	177.87	176.50	190	170
	46								194.04	192.67	205	180
	50								202.13	200.76	210	185

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type				P.D.	O.D.	F	E
					H075	H100	H150	H200				
	14				12-14-15-16	12-14-15-16	12-14-15-16	12-14-15-16	56.60	55.22	61	45
	15				14-19	14-19	14-19	14-19	60.64	59.27	67	50
	16		075		14-19	14-19	14-20	14-20	64.68	63.31	70	56
	17		* A: 21						68.72	67.35		
	18		* W: 25		14-19	14-20-22	14-20-22		72.77	71.39	80	60
	19		* Y: 18						76.81	75.44		
BLAM	20		100		14-19	14-20-22-24-25-28	14-20-22-24-25-28		80.85	79.48	87	67
	21		* A: 27						84.89	83.52		
	22		* W: 32		14-19	14-20-22-24-25-28-30	14-20-22-24-25-28-30-32		88.94	87.56	95	75
BSMM	24		* Y: 22		19	19-20-22-24-25-28-30	19-20-22-24-25-28-30-32		97.02	95.65	104	84
	25	H	(t24~ Y=23.5)	F	19	19-20-22-24-25-28-30-32	19-20-22-24-25-28-30-32-35		101.06	99.69	111	90
	26		150		-	20-22-24-25-28-30	20-22-24-25-28-30-32-35		105.11	103.73	111	90
BSYM	28		* A: 40		-	20-22-24-25-28-30	20-22-24-25-28-30-32-35-40		113.19	111.82	123	102
	30		* W: 45		-	20-22-24-25-28-30	20-22-24-25-28-30-32-35-40-45		121.28	119.91	127	105
	32		* Y: 28						129.36	127.99	135	115
	34		(t35~ Y=32)		-	20-22-24-25-28-30	20-22-24-25-28-30-32-35-40-45-50		137.45	136.08	144	125
BSPM	36		200						145.53	144.16	152	130
	38		* A: 54						153.62	152.25	165	140
	40		* W: 59						161.70	160.33	170	150
	42		* Y: 35						169.79	168.42	180	155
	44		(t35~ Y=39)		-	20-22-24-25-28-30	20-22-24-25-28-30-32-35-40-45-50	-	177.87	176.50	190	170
	46								194.04	192.67	205	180
	48								202.13	200.76	210	185
	50											

T5 Keyless Timing Pulleys

Tooth Profile Diagram

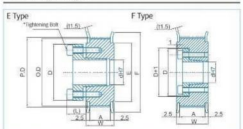


Note:
Tooth groove dimensions slightly change according to No. of teach

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	30	T5	200	F	10

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-

Note: Keyless refer to Page 81

Pulley Shape E

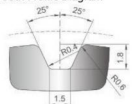
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type				P.D.	O.D.	F	E
					T5100	T5150	T52000	T5250				
					ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing				
	22				8	-	-		35.01	34.25	40	27
	24		100						38.20	37.40	45	30
	25		* A:11		8-10	10	-		39.79	39.00		
	26		*W:16						41.38	40.60	48	35
BLAK	28		150		8-10~12	10~12	12		44.56	43.75		
	30		* A:17						47.75	46.95	52	36
	32	T5	*W:22	E	10~12-14-15		10~12-14-15		50.93	50.10	55	40
	34		200						54.11	53.25	61	45
BLKK	36		* A:22		10~12-14~17		10~12-14~17		57.30	56.45	61	45
	40		*W:27						63.65	62.85	67	50
	44		250						70.03	69.20	74	58
	48		* A:27		12-14~20-22-24-25		12-14~20-22-24-25		76.39	75.55	83	63
	50		*W:32		12-14~20-22-24-25-28-30-32		12-14~20-22-24-25-28-30-32		79.58	78.75	87	67
	60				12-14~20-22-24-25-28-30-32-35		12-14~20-22-24-25-28-30-32-35		95.49	94.65	99	80

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type				P.D.	O.D.	F	E
					T5100	T5150	T52000	T5250				
					ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing	ST Keyless Bushing				
	24				8	8	8		38.20	37.40	45	30
	25		100						39.79	39.00		
	26		* A:11		8	8-10	8-10		41.38	40.60	48	35
	28		*W:16		8	8-10-11	8-10-11		44.56	43.75		
BLAK	30		150		-	10~12	10~12		47.75	46.95	52	36
	32	T5	* A:17	F	-	10~12	10~12-14		50.93	50.10	55	40
	34		*W:22		-				54.11	53.25	61	45
	36		200		-	10~12	10~12-14~18		57.30	56.45	61	45
BLKK	40		* A:22		-	10~12	10~12-14~19		63.65	62.85	67	50
	44		*W:27		-	12	12-14~20-22-24-25		70.03	69.20	74	58
	48		250		-	12	12-14~20-22-24-25-28		76.39	75.55	83	63
	50		* A:27		-	12	12-14~20-22-24-25-28-30-32		79.58	78.75	87	67
	60		*W:32		-	12	12-14~20-22-24-25-28-30-32-35		95.49	94.65	99	80

T5 Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram

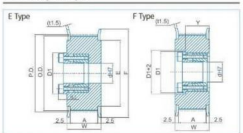


Note:
Tooth groove dimensions slightly change according to No. of toxch

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	48	T5	250	F	20

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM	S45C	S45C	S45C	Hard Clear Anodize		-

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y () is with Shaft Bore inner diameter of 12 or more

Pulley Shape E

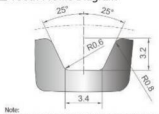
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)			P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type						
					T5150	T5200	T5250				
BLAM	24	TS	100 * A : 11 * W : 16	E	8	8	8	38.20	37.40	45	30
	25							39.79	39.00		
	26				8-10	8-10	8-10	41.38	40.60	48	35
	28							44.56	43.75		
	30		150 * A : 17 * W : 22		10	10	10	47.75	46.95	52	36
	32				10-12-14	10-12-14	10-12-14	50.93	50.10	55	40
	34				10-12-14	10-12-14 ~ 16	10-12-14 ~ 16	54.11	53.25	61	45
	36							57.30	56.45	61	45
BLKM	40				10-12-14	10-12-14 ~ 19	10-12-14 ~ 19	63.66	62.85	67	50
	44		200 * A : 22 * W : 27		12-14	12-14 ~ 20-22	12-14 ~ 20-22	70.03	69.20	74	58
	48				12-14	12-14 ~ 20-22	12-14 ~ 20-22-24-25	76.39	75.55	83	63
	50				12-14	12-14 ~ 20-22	12-14 ~ 20-22-24-25-28	79.58	78.75	87	67
	60				12-14	12-14 ~ 20-22	12-14 ~ 20-22-24-25-28-30-32	95.49	94.65	99	80

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)			P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type						
					T5150	T5200	T5250				
BLAM	24	TS	150 * A : 17 * W : 22 * Y : 14 200 * A : 22 * W : 27 * Y : 14 (d12~ Y=18) 250 * A : 27 * W : 32 * Y : 14 (d12~22 : Y=22) (d24~ : Y=23.5)	F	8	8	8	38.20	37.40	45	30
	25							39.79	39.00		
	26				8-10	8-10	8-10	41.38	40.60	48	35
	28							44.56	43.75		
	30				10	10	10	47.75	46.95	52	36
	32				10	10-12-14	10-12-14	50.93	50.10	55	40
	34				10	10-12-14 ~ 16	10-12-14 ~ 16	54.11	53.25	61	45
	36							57.30	56.45	61	45
BLKM	40				10	10-12-14 ~ 19	10-12-14 ~ 19	63.66	62.85	67	50
	44				-	12-14 ~ 19	12-14 ~ 20-22	70.03	69.20	74	58
	48				-	12-14 ~ 19	12-14 ~ 20-22	76.39	75.55	83	63
	50				-	12-14 ~ 19	12-14 ~ 20-22-24-25-28	79.58	78.75	87	67
	60				-	12-14 ~ 19	12-14 ~ 20-22-24-25-28-30	95.49	94.65	99	80

T10 Keyless Timing Pulleys

Tooth Profile Diagram

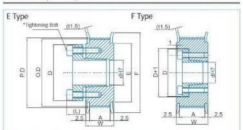


Note:
Tooth groove dimensions slightly change according to No. of toxch

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	40	T10	250	E	30

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

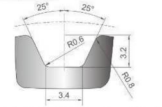
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type									
					T10150 ST Keyless Bushing	T10200 ST Keyless Bushing	T10250 ST Keyless Bushing	T10300 ST Keyless Bushing	T10400 ST Keyless Bushing	T10500 ST Keyless Bushing				
BLAK	15	T10	150 *A: 17 *W: 22	E	12			-	12~14		47.75	45.90	52	36
	16				12-14-15			15	12-14-17		50.93	49.05	58	40
	18				12-14-17			15~17	12-14-17		57.30	55.45	61	45
	20		200 *A: 22 *W: 27		12-14-17			15~17	12-14~20-22		63.66	61.80	67	50
	22										70.03	68.15	80	60
	24				14-20-22-24-25			15-20-22-24-25	14-20-22-24-25		76.39	74.55	87	67
BLKK	25		250 *A: 27 *W: 32								79.58	77.70	87	67
	26				14-20-22-24-25			15-20-22-24-25	14-20-22-24-25-28-30-32-35		82.76	80.90	87	67
BSYK	28		300 *A: 32 *W: 37		16-20-22-24-25-28-30-32-35			16-20-22-24-25 28-30-32-35	16-20-22-24-25-28-30-32-35		89.13	87.25	95	75
	30										95.49	93.65	104	84
	32										101.86	100.00	111	90
	34		400 *A: 43 *W: 48								108.23	106.40	115	95
BSPK	36				20-22-24-25-28-30-32-35			20-22-24-25 28-30-32-35	20-22-24-25-28-30-32-35		114.59	112.75	123	102
	40		500 *A: 53 *W: 58								127.32	125.45	135	115
	44										140.06	138.20	152	130
	48										152.79	150.95	160	140

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type									
					T10150 ST Keyless Bushing	T10200 ST Keyless Bushing	T10250 ST Keyless Bushing : 12~30 ST Keyless Bushing : 32~35	T10300 ST Keyless Bushing : 15~32 ST Keyless Bushing : 35	T10400 ST Keyless Bushing	T10500 ST Keyless Bushing				
BLAK	15	T10	150 *A: 17 *W: 22	F	12	12	12	-	12		47.75	45.90	52	36
	16				12	12	12-14-15	15	12-14-15		50.93	49.05	58	40
	18				12		12-14~17	15~17	12-14~17		57.30	55.45	61	45
	20		200 *A: 22 *W: 27		12		12-14~17	15~17	12-14~18		63.66	61.80	67	50
	22										70.03	68.15	80	60
	24				-		14-20-22-24-25	15~20-22-24-25	14-20-22-24-25		76.39	74.55	87	67
BLKK	25		250 *A: 27 *W: 32								79.58	77.70	87	67
	26				-		14-20-22-24-25	15~20-22-24-25	12-14~20-22-24-25-30-32-35		82.76	80.90	87	67
BSYK	28		300 *A: 32 *W: 37		-		16-20-22-24-25-28-30-32-35	16~20-22-24-25-28-30-32-35	16~20-22-24-25-28-30-32-35		89.13	87.25	95	75
	30										95.49	93.65	104	84
	32										101.86	100.00	111	90
	34		400 *A: 43 *W: 48		-		20-22-24-25-28-30-32-35	20-22-24-25-28-30-32-35	20-22-24-25-28-30-32-35		108.23	106.40	115	95
BSPK	36										114.59	112.75	123	102
	40		500 *A: 53 *W: 58								127.32	125.45	135	115
	44				-		20-22-24-25-28-30-32-35	20-22-24-25-28-30-32-35	20-22-24-25-28-30-32-35		140.06	138.20	152	130
	48										152.79	150.95	160	140

T10 Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram

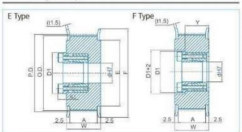


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	36	T10	250	F	25

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM				Hard Clear Anodize		-
BSMM	S45C	S45C	S45C	-		

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y ( ) is with Shaft Bore inner diameter of 12 or more

Pulley Shape E

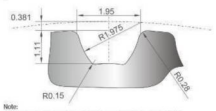
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)								
					E Type						P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	T10150	T10200	T10250	T10300	T10400	T10500				
BLAM	16	T10	150 * A:17 * W:22 200 * A:22 * W:27 250 * A:27 * W:32 300 * A:32 * W:37 400 * A:43 * W:48 500 * A:53 * W:58	E	12-14	12-14	12-14				50.93	49.05	56	40
	18				12-14 ~ 16	12-14 ~ 16	12-14 ~ 16				57.30	55.45	61	45
	20				12-14 ~ 19	12-14 ~ 19	12-14 ~ 19				63.66	61.80	67	50
	22				14 ~ 20-22	14 ~ 20-22	14 ~ 20-22				70.03	68.15	80	60
	24										76.39	74.55		
	25				14 ~ 20-22	14 ~ 20-22 24-25 28	14 ~ 20-22 24-25 28				79.58	77.70	87	67
	26										82.76	80.90		
BLKM	28				16 ~ 20-22	16 ~ 20-22 24-25 28-30-32	16 ~ 20-22 24-25 28-30-32				89.13	87.25	95	75
	30										95.49	93.65	104	84
	32				20-22	20-22 24-25 28-30-32-35	20-22 24-25 28-30-32-35				101.86	100.00	111	90
	34										108.23	106.40	115	95
BSMM	36				20-22	20-22 24-25 28-30-32-35	20-22 24-25 28-30-32-35-40				114.59	112.75	123	102
	40										127.32	125.45	135	115
	44										140.06	138.20	152	130
	48				20-22	20-22 24-25 28-30-32-35	20-22 24-25 28-30-32-35-40-45-50				152.79	150.95	160	140
	50										159.15	157.30	170	150
	60										190.99	189.10	200	175

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)								
					F Type						P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	T10150	T10200	T10250	T10300	T10400	T10500				
BLAM	16	T10	150 * A:17 * W:22 200 * A:22 * W:27 * Y:18 250 * A:27 * W:32 * Y:22 (d24~ Y=23.5) 300 * A:32 * W:37 * Y:24 (d24~32:Y=25) (d35:Y=27) 400 * A:43 * W:48 * Y:30 (d24~32:Y=31) (d35:Y=34) 500 * A:53 * W:58 * Y:35 (d24~32:Y=36) (d35:Y=39)	F	12-14	12-14	12-14				50.93	49.05	56	40
	18				12-14 ~ 16	12-14 ~ 16	12-14 ~ 16				57.30	55.45	61	45
	20				12-14 ~ 19	12-14 ~ 19	12-14 ~ 19				63.66	61.80	67	50
	22				14 ~ 19	14 ~ 20-22	14 ~ 20-22				70.03	68.15	80	60
	24										76.39	74.55		
	25				14 ~ 19	14 ~ 20-22 24-25 28	14 ~ 20-22 24-25 28				79.58	77.70	87	67
	26										82.76	80.90		
BLKM	28				16 ~ 19	16 ~ 20-22 24-25 28-30	16 ~ 20-22 24-25 28-30				89.13	87.25	95	75
	30										95.49	93.65	104	84
	32										101.86	100.00	111	90
	34										108.23	106.40	115	95
BSMM	36										114.59	112.75	123	102
	40				-	20-22 24-25 28-30	20-22 24-25 28-30-32-35				127.32	125.45	135	115
	44										140.06	138.20	152	130
	48										152.79	150.95	160	140
	50										159.15	157.30	170	150
	60										190.99	189.10	200	175

S3M Keyless Timing Pulleys

Tooth Profile Diagram (ISO standard rack size)

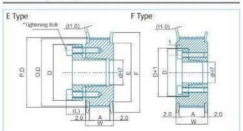


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Nominal Width	Pulley Shape	Shaft Bore Dia
BLAK	48	S3M	100	E	8

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

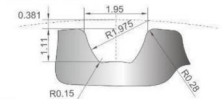
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
					E Type						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	S3M100 ST Keyless Bushing		S3M150 ST Keyless Bushing			P.D.	O.D.	F	E
BLAK	34	S3M	100 * A:11 * W:15 150 * A:17 * W:21	E	8					32.47	31.71	40	28
	36				8					34.38	33.62		
	40				8-10-11					38.20	37.44	44	32
BLKK	44				8-10-11-12-14					42.02	41.25	48	36
	48				8-10-12-14-16					45.84	45.07	50	38
BSYK	50				8-10-12-14-17					47.75	46.98	52	40
	60				8-10-12-14-19					57.30	56.53	61	46
BSPK	72				8-10-12-14-20-22-24-25					68.75	67.99	74	58

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
					F Type						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	S3M100 SH Keyless Bushing		S3M150 SH Keyless Bushing			P.D.	O.D.	F	E
BLAK	34	S3M	100 * A:11 * W:15 150 * A:17 * W:21	F	6		6			32.47	31.71	40	28
	36				6		6			34.38	33.62		
	40				8		8			38.20	37.44	44	32
BLKK	44				8		8-10-11-12			42.02	41.25	48	36
	48				8		8-10-11-12			45.84	45.07	50	38
BSYK	50				8		8-10-11-12			47.75	46.98	52	40
	60				8		8-10-11-12			57.30	56.53	61	46
BSPK	72				8		8-10-11-12			68.75	67.99	74	58

S3M Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram

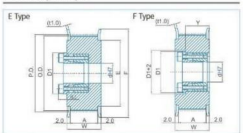


Note:
Tooth groove dimensions slightly change according to No. of toeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	44	S3M	150	F	10

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM				Hard Clear Anodize		-

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y () is with Shaft Bore inner diameter of 12 or more

Pulley Shape E

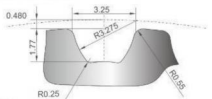
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)		P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type					
					S3M100	S3M150				
	30				-	-	28.65	27.89	32	23
	34		100		6	6	32.47	31.71	40	28
	36		* A:11		6	6	34.38	33.62		
BLAM	40	S3M	* W:15	E	8	8	38.20	37.44	44	32
	44		150		8·10	8·10	42.02	41.25	48	36
BLKM	48		* A:17		8·10	8·10·12	45.84	45.07	50	38
	50		* W:21		8·10	8·10·12·14	47.75	46.98	52	40
	60				8·10	8·10·12·14·17	57.30	56.53	61	46
	72				8·10	8·10·12·14·19	68.75	67.99	74	58

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)	P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type				
					S3M150				
	30				-	28.65	27.89	32	23
	34				6	32.47	31.71	40	28
	36				6	34.38	33.62		
BLAM	40	S3M	150	F	8	38.20	37.44	44	32
	44		* A:17		8·10	42.02	41.25	48	36
BLKM	48		* W:21 Y:14		8·10	45.84	45.07	50	38
	50				8·10	47.75	46.98	52	40
	60				8·10	57.30	56.53	61	46
	72				8·10	68.75	67.99	74	58

S5M Keyless Timing Pulleys

Tooth Profile Diagram

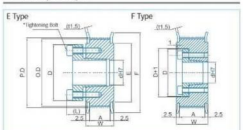


Note:
Tooth groove dimensions slightly change according to No. of toeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	60	S5M	150	E	22

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

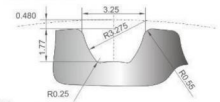
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)			P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type						
					S5M100 ST Keyless Bushing	S5M150 ST Keyless Bushing	S5M150 ST Keyless Bushing				
	22				8	-		35.01	34.05	49	28
	24				8·10	10		38.20	37.24	45	30
	25				8·10	10		39.79	38.83		
	26		100		8·10·11·12	10·11·12		41.38	40.42	48	35
BLAK	28		* A:11		8·10·11·12	10·11·12		44.56	43.60		
	30		* W:16		10·11·12·14·15	10·11·12·14·15		47.75	46.79	52	36
BLKK	32		150		10·11·12·14~17	10·11·12·14~17		50.93	49.97	55	40
	34	SSM	* A:17	E	10·11·12·14~17	10·11·12·14~17		54.11	53.15	61	45
BSYK	36		* W:22		10·11·12·14~17	10·11·12·14~17		57.30	56.34		
BSPK	40		250		10·11·12·14~17	10·11·12·14~17		63.66	62.70	67	50
	44		* A:27		12·14~20·22·24·25	12·14~20·22·24·25		70.03	69.07	74	58
	48		* W:32		12·14~20·22·24·25·28	12·14~20·22·24·25·28		76.39	75.43	83	63
	50				12·14~20·22·24·25·28·32	12·14~20·22·24·25·28·32		79.58	78.62	87	67
	60				12·14~20·22·24·25·28·32	12·14~20·22·24·25·28·32·35		95.49	94.53	99	80
	72							114.59	113.63	119	100

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)			P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type						
					S5M100 SH Keyless Bushing	S5M150 SH Keyless Bushing	S5M150 SH Keyless Bushing				
	24							38.20	37.24	45	30
	25				8	8	8	39.79	38.83	49	35
	26				8	8·10·11·12	8·10·11·12	41.38	40.42		
	28		100					44.56	43.60	52	36
BLAK	30		* A:11		-	10·11·12	10·11·12	47.75	46.79		
	32		* W:16					50.93	49.97	55	40
BLKK	34		150					54.11	53.15	61	45
	36	SSM	* A:17	F	-	10·11·12	10·~12·14·~17	57.30	56.34		
BSYK	40		* W:22					63.66	62.70	67	50
	44		250		-	12	12·14~20·22·24·25	70.03	69.07	74	58
	48		* A:27		-	12	12·14~20·22·24·25·28	76.39	75.43	83	63
BSPK	50		* W:32		-	12	12·14~20·22·24·25·28·30·32	79.58	78.62	87	67
	60				-	12	12·14~20·22·24·25·28·30·32·35	95.49	94.53	99	80
	72							114.59	113.63	119	100

S5M Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram

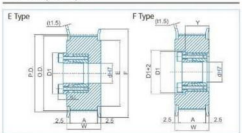


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAM	60	S5M	250	F	30

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM				Hard Clear Anodize		-
BSMM				-		-
BSYM	S45C	S45C	S45C	Black Anodize		-
BSPM				Electroless Nickel Plating		-

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y ( ) is with Shaft Bore inner diameter of 12 or more

Pulley Shape E

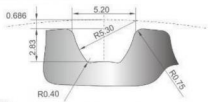
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)			P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type						
					S5M100	S5M150	S5M150				
	20				-	-	-	31.83	30.87	36	24
	22				-	-	-	35.01	34.05	40	27
	24				8	8	8	38.20	37.24	45	30
	25		100		8	8	8	39.79	38.83		
BLAM	26		* A:11		8-10	8-10	8-10	41.38	40.42	48	35
	28		* W:16		8-10	8-10	8-10	44.56	43.60		
BLKM	30		150		10	10	10	47.75	46.79	52	36
	32	S5M	* A:17	E	10-12-14	10-12-14	10-12-14	50.93	49.97	55	40
BSMM	34		* W:20		10-12-14	10-12-14 ~ 16	10-12-14 ~ 16	54.11	53.15	61	45
	36		250		10-12-14	10-12-14 ~ 16	10-12-14 ~ 16	57.30	56.34		
BSYM	40		* A:27		10-12-14	10-12-14 ~ 19	10-12-14 ~ 19	63.66	62.70	67	50
	44		* W:32		10-12-14	12-14 ~ 20-22	12-14 ~ 20-22	70.03	69.07	74	58
BSPM	48				10-12-14	12-14 ~ 20-22	12-14 ~ 20-22 24	76.39	75.43	83	63
	50				10-12-14	12-14 ~ 20-22	12-14 ~ 20-22 24 25-28	79.58	78.62	87	67
	60				10-12-14	12-14 ~ 20-22	12-14 ~ 20-22 24 25 28-30	95.49	94.53	99	80
	72				10-12-14	12-14 ~ 20-22	12-14 ~ 20-22 24 25 28 30 32 35	114.59	113.63	119	10

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)		P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type					
					S5M150	S5M250				
	24				8	8.00	38.20	37.24	45	30
	25		100		8	8.00	39.79	38.83		
BLAM	26		* A:11		8-10	8-10	41.38	40.42	48	35
	28		* W:16		8-10	8-10	44.56	43.60		
BLKM	30		150		10	10.00	47.75	46.79	52	36
	32	S5M	* A:17	F	10	10-12-14	50.93	49.97	55	40
BSMM	34		* W:20		10	10-12-14 ~ 16	54.11	53.15	61	45
	36		250		10	10-12-14 ~ 16	57.30	56.34		
BSYM	40		* A:27		10	10-12-14 ~ 19	63.66	62.70	67	50
	44		* W:32		-	10-12-14 ~ 20-22	70.03	69.07	74	58
	48		(d12 ~ 22 Y=22)		-	10-12-14 ~ 20-22 24	76.39	75.43	83	63
BSPM	50				-	10-12-14 ~ 20-22 24 25-28	79.58	78.62	87	67
	60		(d24 ~ 30 Y=23.5)		-	10-12-14 ~ 20-22 24 25 28 30	95.49	94.53	99	80
	72				-	12-14 ~ 20-22 24-25 28-30	114.59	113.63	119	10

S8M Keyless Timing Pulleys

Tooth Profile Diagram

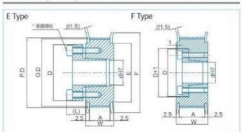


Note:
Tooth groove dimensions slightly change according to No. of teeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Dia
BLAK	30	S8M	250	E	22

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAK	AL	AL	S45C	Clear Anodize		-
BLKK				Hard Clear Anodize		-
BSYK	S45C	S45C	S45C	Black Anodize		
BSPK				Electroless Nickel Plating		

Note: Keyless refer to Page 81

Pulley Shape E

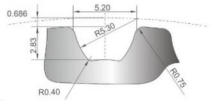
1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type							
					S8M150 ST Keyless Bushing	S8M250 ST Keyless Bushing	S8M300 ST Keyless Bushing	S8M400 ST Keyless Bushing				
	18					12	-	-	45.84	44.46	52	36
	19					12-14-15	15	-	48.38	47.01	55	40
	20								50.93	49.56	58	
	21		150						53.48	52.10	61	45
	22		* A:17			12-14 ~ 17	15 ~ 17	16-17	56.02	54.65		
	24		* W:22						61.12	59.74	67	50
BLAK	25		250			12-14 ~ 20-22 24 25	15 ~ 20-22 24 25	16 ~ 20-22 24 25	63.66	62.29	70	56
BLKK	26		* A:28			14 ~ 20-22 24 25	15 ~ 20-22 24 25	16 ~ 20-22 24 25	66.21	64.84	74	58
	28		* W:33						71.30	69.93	80	60
BSYK	30	S8M		E		14 ~ 20-22 24 25 30-32	15 ~ 20-22 24 25-28 30-32	16 ~ 20-22 24 25-28 30-32	76.39	75.02	87	67
	32		300						81.49	80.12		
BSPK	34		* A:33						86.58	85.21	95	75
	36		* W:38			16 ~ 20-22 24 25 28 30-32 35	16 ~ 20-22 24 25 28 30-32 35	16 ~ 20-22 24 25 28 30-32 35	91.67	90.30	99	80
	38		400						96.77	95.39	104	84
	40		* A:44						101.86	100.49	111	90
	44		* W:49						112.05	110.67	119	100
	48					20-22 24 25 28 30 32 35	20-22 24 25 28 30-32 35	20-22 24 25 28 30-32 35	122.23	120.86	127	105
	50								127.32	125.95	135	115
	60								152.79	151.42	160	140

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)				P.D.	O.D.	F	E
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type							
					S8M150 ST Keyless Bushing	S8M250 ST Keyless Bushing : 12-30 ST Keyless Bushing : 32-35	S8M300 ST Keyless Bushing : 15-32 ST Keyless Bushing : 35	S8M400 ST Keyless Bushing				
	18				-	12	-	-	45.84	44.46	52	36
	19				12	12-14-15	15	-	48.38	47.01	55	40
	20								50.93	49.56	58	
	21		150						53.48	52.10	61	45
	22		* A:17		12	12-14 ~ 17	15 ~ 17	16-17	56.02	54.65		
	24		* W:22						61.12	59.74	67	50
BLAK	25		250		12	12-14 ~ 20-22 24 25	15 ~ 20-22 24 25	16 ~ 20-22 24 25	63.66	62.29	70	56
BLKK	26		* A:28		-	14 ~ 20-22 24 25	15 ~ 20-22 24 25	16 ~ 20-22 24 25	66.21	64.84	74	58
	28		* W:33						71.30	69.93	80	60
BSYK	30	S8M		F	-	14 ~ 20-22 24 25 30 32	15 ~ 20-22 24 25 28 30 32	16 ~ 20-22 24 25 28 30 32	76.39	75.02	87	67
	32		300						81.49	80.12		
BSPK	34		* A:33						86.58	85.21	95	75
	36		* W:38		-	16 ~ 20-22 24 25 28 30 32 35	16 ~ 20-22 24 25 28 30 32 35	16 ~ 20-22 24 25 28 30 32 35	91.67	90.30	99	80
	38		400						96.77	95.39	104	84
	40		* A:44						101.86	100.49	111	90
	44		* W:49						112.05	110.67	119	100
	48				-	20-22 24 25 28 30 32 35	20-22 24 25 28 30 32 35	20-22 24 25 28 30 32 35	122.23	120.86	127	105
	50								127.32	125.95	135	115
	60								152.79	151.42	160	140

S8M Keyless Timing Pulleys (Centering Function)

Tooth Profile Diagram

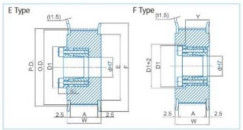


Note:
Tooth groove dimensions slightly change according to No. of toeth

Pulley Product No. Example

1	2	3	4	5	6
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	Shaft Bore Specs
BLAM	30	S8M	300	F	24

Pulley Shape



Pulley Code (Material and Surface Treatment)

Pulley Code	Material			Surface Treatment		
	Pulley	Flange	Keyless Bushing	Pulley	Flange	Keyless Bushing
BLAM	AL	AL	S45C	Clear Anodize		-
BLKM				Hard Clear Anodize		-
BSMM				-		
BSYM	S45C	S45C	S45C	Black Anodize		
BSPM				Electroless Nickel Plating		

Note: 1. Keyless Bushings' dimension and Dim.(L) refer to Page 82
2. Dim.Y ( ) is with Shaft Bore inner diameter of 12 or more

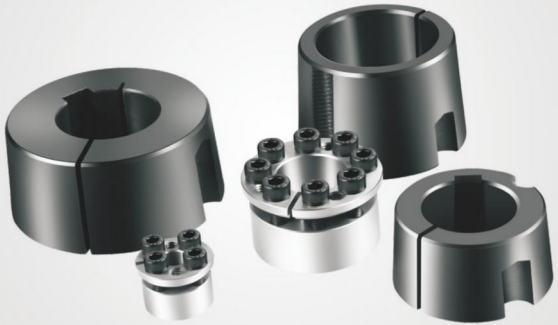
Pulley Shape E

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)						
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	E Type			P.D.	O.D.	F	E
					S8M150	S8M250	S8M300	S8M400				
	19				12-14		12-14		48.38	47.01	55	40
	20								50.93	49.56	58	
	21				12-14 ~ 16		12-14 ~ 16		53.48	52.10	61	45
BLAM	22		150 *A:17 *W:22						56.02	54.65		
	24				12-14 ~ 19		12-14 ~ 19		61.12	59.74	67	50
	25				12-14 ~ 20		12-14 ~ 20		63.66	62.29	70	56
BLKM	26		250 *A:28 *W:33		14 ~ 20 22		14 ~ 20 22		66.21	64.84	74	58
	28								71.30	69.93	80	60
	30				14 ~ 20 22		14 ~ 20 22 24 25 28		76.39	75.02	87	67
BSMM	32	S8M	300 *A:33 *W:38	E					81.49	80.12		
	34								86.58	85.21	95	75
	36				16 ~ 20 22		16 ~ 20 22 24 25 28 30 32		91.67	90.30	99	80
BSYM	38		400 *A:44 *W:49						96.77	95.39	104	84
	40								101.86	100.49	111	90
	44				20 22		20 22 24 25 28 30 32 35		112.05	110.67	119	100
BSPM	44				20 22		20 22 24 25 28 30 32 35 40 45		122.23	120.86	127	105
	50								127.32	125.95	135	115
	60				20 22		20 22 24 25 28 30 32 35 40 45 50		152.79	151.42	160	140
	72								183.35	181.97	190	170

Pulley Shape F

1	2	3	4	5	6 dH7 (Shaft Bore Inner Dia. Spec.)					
Pulley Code	Tooth No	Type	Belt Norminal Width	Pulley Shape	F Type			P.D.	O.D.	F	E
					S8M250	S8M300	S8M400				
	19				12-14			48.38	47.01	55	40
	20							50.93	49.56	58	
	21		250 *A:28 *W:33 *Y:22 (t24 ~ 30 Y=24) (t32 ~ Y=24.5)		12-14 ~ 16			53.48	52.10	61	45
BLAM	22							56.02	54.65		
	24				12-14 ~ 19			61.12	59.74	67	50
	25				12-14 ~ 20			63.66	62.29	70	56
BLKM	28		300 *A:33 *W:38 *Y:24 (t24 ~ 32 Y=25) (t35 ~ 50 Y=26)		14 ~ 20 22			66.21	64.84	74	58
	28							71.30	69.93	80	60
	30				14 ~ 20 22 24 25 28			76.39	75.02	87	67
BSMM	32	S8M		F				81.49	80.12		
	34							86.58	85.21	95	75
	36				16 ~ 20 22 24 25 28 30 32			91.67	90.30	99	80
BSYM	38		400 *A:44 *W:49 *Y:30 (t24 ~ 32 Y=31) (t35 ~ 50 Y=34)					96.77	95.39	104	84
	40							101.86	100.49	111	90
	44				20 22 24 25 28 30 32	20 22 24 25 28 30 32 35		112.05	110.67	119	100
BSPM	48				20 22 24 25 28 30 32	20 22 24 25 28 30 32 35 40 45		122.23	120.86	127	105
	50							127.32	125.95	135	115
	60				20 22 24 25 28 30 32	20 22 24 25 28 30 32 35 40 45	20 22 24 25 28 30 32 35 40 45 50	152.79	151.42	160	140
	72							183.35	181.97	190	170

BUSHING



BUSHING

01 Product Overview

Keyless bushing is a tool that relies on friction connection. It converts the fastening force of bolt connection into surface pressure on the inner diameter side through a conical surface, and does not require key processing of the shaft and connecting part, which can firmly connect the shaft and connecting part. Taper Bushing is a type of connecting component that is press fit with the inner surface of transmission components such as pulleys through n outer conical surface, and is integrated after locking the threaded hole.

02 Characteristics

1. Keyless bushings do not require keyway processing, and circular shafts can be used directly.
2. They can be easily installed and disassembled with only bolt connections;
3. It can be aligned at any position during assembly,
4. Keyless bushings are not prone to gaps and are suitable for repeated forward and reverse rotation.

03 Usage Instructions

Installation of keyless bushings:

1. Apply lubricant: Please wipe off the dirt on the surface of the shaft and apply a layer of lubricating oil or grease. Do not use lubricating oil or grease containing molybdenum based friction reducers.
2. Positioning: Temporarily assemble the keyless bushing and coupling part, and insert them into the shaft for positioning;
3. Tighten bolts: Please use a torque wrench to tighten the locking bolts in diagonal order. First, gently tighten the bolt (at 1/2 of the specified tightening torque), and then tighten it to the specified tightening torque:
4. Tighten bolts: Finally, tighten them in the circumferential direction with the specified tightening torque. Disassemble the keyless bushing:
1. Dismantling bolts: Please loosen the locking bolts in sequence in the circumferential direction;
2. Disassemble the keyless bushing: Please insert the bolt into the disassembly threaded hole and tighten it evenly.
Installation of beltred Bushing:
1. Clean the contact area between the surface of the shaft body and the inner surface of the bushing beltred Bushing, remove dirt, and apply lubricating oil or grease. 2. Place the beltred Bushing into the pulley cone hole and align the hole position;
3. Install a key in the keyway of the shaft, align the pulley and beltred Bushing with the position of the key for positioning and assembly.
4. Tighten the bolt on the threaded hole of the pulley and use a torque wrench to tighten the locking bolt;
5. If necessary, use a soft hammer to strike the end face of the beltred Bushing to increase the clamping force of the beltred Bushing;
6. Use a torque wrench to check that all bolts have been installed.

Disassembly of beltred Bushing:

1. Remove the screw from the threaded hole of the pulley and screw it into the threaded hole of the beltred Bushing to detach the pulley from the beltred Bushing.

Caution

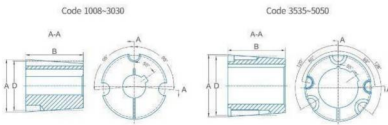
1. Tightening bolts before installing into the wheel hole or inserting into the shaft may cause deformation of the keyless bushing and render it unusable;
2. During installation, please pay full attention to maintaining the balance between the beltred Bushing and the keyless bushing. If the angle is tilted too much or the hole position is not aligned, the position should be adjusted in a timely manner to avoid irreversible damage to the parts.

Taper Bushings



Standard Taper Bushings

Standard Taper Bushings Shape



beltred Bushings Part No. Example

1 Taper Bushings Code		2 Inner Hole		3 Bolt Code
1108	–	18	–	Y

Material and Surface Treatment

Material	Surface Treatment
S45C	Black Anodize

Taper Bushings Code 1008~3030 Structure & Dimension

1 Taper Bushings Code	Diameter A	Width B	Center Diameter D	Bolt Spec.			
				3 Bolt Code	Bolt (Metric)	3 Bolt Code	Bolt (Inch)
1008	35.20	22.30	33.73	G	M6×12	Y	1/4-20BSW
1108	38.38	22.30	36.92		M6×12		1/4-20BSW
1210	47.62	25.40	44.44		M10×16		3/8-16BSW
1215	47.62	38.10	44.44		M10×16		3/8-16BSW
1310	50.80	25.40	47.63		M10×16		3/8-16BSW
1610	57.15	25.40	53.97		M10×16		3/8-16BSW
1615	57.15	38.10	53.97		M10×16		3/8-16BSW
2012	69.85	31.80	66.68		M12×22		7/16-14BSW
2517	85.73	44.50	82.55		M12×22		1/2-12BSW
2525	85.73	63.50	82.55		M12×22		1/2-12BSW
3020	107.96	50.80	101.60		M16×28		5/8-11BSW
3030	107.96	76.20	101.60		M16×28		5/8-11BSW

Taper Bushings Code 3535~5050 Structure & Dimension

1 Taper Bushings Code	Diameter A	Width B	Center Diameter D	Bolt Spec.			
				3 Bolt Code	Bolt (Metric)	3 Bolt Code	Bolt (Inch)
3535	127.00	89.00	122.68	G	M12×40	Y	1/2-12BSW
4040	146.05	101.60	140.72		M16×45		5/8-11BSW
4545	161.93	114.30	155.70		M20×50		3/4-10BSW
5050	177.80	127.00	170.69		M20×57		7/8-9BSW

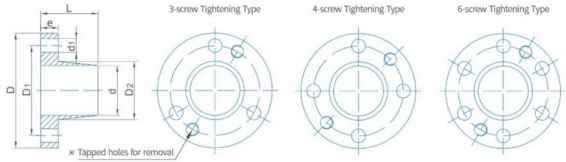
Taper Bushings Inner Hole Spec.

1 Taper Bushings Code	2 Taper Bushings Inner Hole Spec.
1008	10 11 12 14 15 16 18 19 20 22 24
1108	10 11 12 14 15 16 18 19 20 22 24 25 28
1210 1215	11 12 14 15 16 18 19 20 22 24 25 28 30 32
1310	14 15 16 18 19 20 22 24 25 28 30 32 35
1610 1615	14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42
2012	18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50
2517 2525	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55 60
3020 3030	25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75
3535	35 38 40 42 45 48 50 55 60 65 70 75 80 85 90
4040	40 42 45 48 50 55 60 65 70 75 80 85 90 95 100
4545	55 60 65 70 75 80 85 90 95 100 105 110
5050	60 65 70 75 80 85 90 95 100 105 110 115 120 125

Note: 1. Yinch size bolts G:Metric bolts
2. Bolts Spec.(Inch):1/4-20BSW means Blots outer diameter 6.35, 12 teeth/inch, Pitch 1.27

Keyless Bushing

■ Keyless Bushing Drawing



Operating Temperature: -20°C~+80°C × SH bushings have 3 tapped holes for removal.

Main Body Material: S45C(Black Oxide)
Screw Material: SCM435(Black Oxide)

■ Standard Type E Shape (ST Bushings)

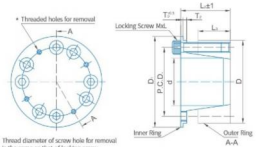
Shaft Bore Dia.	Screw		Tapped holes for removal	Max Allowable Torque N·m	Allowable Thrust Load kN	Screw Tightening Torque N·m	D	D1	D2	d1	L	e	(L)
	Size	Qty.											
8	M3×12	4	M3×2	16	4.0	2.0	25.5	19	10	3.3	15.5	4	8.5
10				39			30	22	12				
11	M4×16	3	M4×2	43	5.34	4.0	31	23	13	4.5	16.5	5	10.5
12				48			32	24	14				
14				73			35	27	16.6		22	6	12
15	M4×18		M4×2	78	5.34	4.0	36	28	17.6	4.5			
16				83			37	29	18.6				13
17				88			38	30	19.6				
18		4		154			43	33	20.6				
19				163			45	35	22.4		23	7	
20	M5×20		M5×2	171	8.74	8.3	46	36	23.4	5.5			14
22				186			48	38	24.6				
24				206			50	40	26.6				
25				216			52	42	28.4				
28				353			54	44	30.6				
30	M5×25	6	M5×2	382	8.74	8.3	57	47	33.4	5.5	24	8	15.5
32				412			59	49	34.7		25	9	16.5
35				451			63	53	38.4		26.5		

■ Short Type F Shape (SH Bushings)

Shaft Bore Dia.	Screw		Tapped holes for removal	Max Allowable Torque N·m	Allowable Thrust Load kN	Screw Tightening Torque N·m	D	D1	D2	d1	L	e	(L)
	Size	Qty.											
6	M3×10		M3×3	5.6	1.87	1.9	22.5	16	8.50	3.3	10.5	3	-
8		3		8.5	2.12		24.5	18	10.50				8.5
10				18	3.59		29	21	12.75				
11	M4×12		M4×3	20	3.63	3.9	30	22	13.75	4.4	13	4	10.5
12				23	3.76		31	23	14.75				
14				37	5.21		36	26	17.65				12
15				39	5.10		37	27	18.65				
16	M4×18	4	M4×2	42	5.17	3.9	38	28	19.65	4.4	17	5	13
17				45	5.23		39	29	20.65				
18				48	5.28		40	30	21.85				
19				49	5.12		42	32	22.85				
20				97	9.68		46	36	24.10				14
22				110	9.98		47	37	25.75				
24				121	10		49	39	27.75				
25	M5×18	4	M5×2	124	9.90	7.8	51	41	28.75	5.5	19	6	15.5
28				141	10		53	43	31.75				
30				149	9.89		56	46	33.75				
32				163	10.12		58	47	35.75				16.5
35				173	9.88		61	50	39.10		20		

Keyless Bushing (Centering Function)

■ Keyless Bushing (Centering Function) Drawing



■ Features

1. With pilot on flange of the inner diameter, the tightening lock screw presses hub innerdiameter. This generates effect to control instability on the hub end face and outerdiameter (centering effect).
2. Free phase adjustment and positioning.
3. No hub movement in axial direction when tightened with lock screw.
4. No backlash after tightening.

■ Part No. Example

① Code	② Shaft Hole Inner Diameter d
MSM	20

■ Material and Surface Treatment

①	Main Body	
Code	Material	Surface Treatment
MSM	S45C	-
MSMB		Black Oxide
MSMP		Electroless Nickel Plating

Recommended Tolerance of Shaft and Hub

Installation Side	Tolerance	Surface Roughness
PShaft Outer Diameter	h7(g6)	Ra ≤ 1.6
Shaft Hole Inner Diameter	H7	Type C, No. 30

■ Keyless Bushing (Centering Function) Spec.

① Code	② Shaft Hole Inner Diameter d	D	D1	P.C.D.	L2	L3	T	T2	Screw		MSM · MSMB Max. Allowable Torque	
									M×L	Qty.	N·m	(L)
MSM	5	16	18.5	11.7	13.0	8.0	1.8	1.2	M3×10	4	-	-
	6	19	21.5	14.0	14.3	9.0	2.0	1.3	M4×12		12.7	6
	8	21	23.5	15.4	14.6	9.3					19.6	6
	10	23	25.5	17.5	14.8	9.5					27.5	6
	11	24	26.5	18.4	15.8						-	-
	12	26	28.5	20.2	18.0	10.5		1.5	M4×15	6	44.1	6.5
	14	28	30.5	22.2							63.7	6.5
	15	29	31.5	23.2	19.0	11.5					80.4	6.5
	16	30	33.0	24.2	19.6	12.0	2.5				83.3	6.5
	17	31	33.5	25.2	20.1	12.5		1.6			92.2	6.5
	18	32	34.5	26.2							95.1	6.5
	19	33	35.5	27.2							98.1	6.5
MSMB	20	38	42.0	30.8	24.1	15.3	3.0	1.8	M5×18	8	216	8
	22	40	44.0	32.8							255	8
	24	42	46.0	34.8	25.1	16.3					363	8
	25	43	47.0	35.8	26.1	17.3					392	8
	28	46	50.0	38.8	26.6						441	8.5
	30	48	52.0	40.8			3.5			10	500	8.5
MSMP	32	50	54.0	42.8	27.6	18.3					530	8.5
	35	57	62.0	48.4	30.0	19.5				8	883	10
	38	60	65.0	51.4	30.5	20.0					-	-
	40	62	67.0	53.4	31.0	20.5	4.0			10	1079	10
	42	64	69.0	55.4							-	-
	45	67	72.0	58.4	31.5	21.0		2.0	M6×20		1285	10
	48	70	75.0	61.4	32.0					12	-	-
	50	72	77.0	63.4	32.5	21.5	4.5			14	1706	10.5
	55	77	83.0	68.4							-	-
	60	82	87.0	73.4	33.5	22.0	5.0			15	-	-
	65	87	92.0	78.4							-	-
	70	97	103.0	86.2	36.1	24.0			M8×25	14	-	-

PULLEYS AND IDLERS FOR FLAT BELTS



PULLEYS AND IDLERS FOR FLAT BELTS

01 Product Overview

As mechanisms for transmitting the rotational power generated by motors, the design of pulleys and conveyor belts is also widely used. Through the friction fit between the pulley and the conveyor belt, tension is generated on the surface of the conveyor belt, which tightly adheres to the surface of the pulley, generating the transmission of power and torque to achieve the function of transmission and conveyance.

In the field of belt transmission, Herz Drive not only produces toothed pulleys and belts, but also friction system pulleys, idlers, and conveyor belts.

This type of friction transmission is often used in industries such as automotive, industrial machinery, and electronic component manufacturing.

02 Characteristics

1. Suitable for transmission and conveying design, with the characteristics of high transmission efficiency and stable conveying;
2. Adopting the principle of contact surface friction, it is more suitable for situations with medium and low speeds to prevent slipping;
3. There are flange type, arc type, and ribbed keyway type, which have a certain anti deviation effect and are suitable for different design requirements;
4. When used in conjunction with a conveyor belt, the length of the material within the allowable length range of the conveyor belt can be specified in millimeters to achieve any span.

03 Usage Instructions

1. Through the combination of pulleys, idlers, and conveyor belts, it is necessary to fully consider the tension of the belt, and after meeting the friction requirements, it can play a role in conveying the workpiece;
2. Plays as a tensioning wheel, tightens the belt, reduces vibration and energy loss during their movement, and can change position;
3. Serve as a guiding wheel, that is, a guiding function. In the design of the wheel system, in order to meet the design requirements and external dimensions, the direction of the belt is relatively complex. It is used to ensure the design requirements of the idler tensioning wheel and the pulley angle.

Caution

1. The tolerance for the width dimension of the belt groove is ± 0.2mm. Please confirm the width tolerance of the conveyor belt before selecting the pulley;
2. The accuracy of the bearings used in the pulley idler before installation is GB 307 P0. Please fully consider the fit accuracy with the shaft;
3. The bearings used in the idler pulley are press in installation.
4. For the selection of conveyor belt products, please refer to P.200.

Pulley Short Type

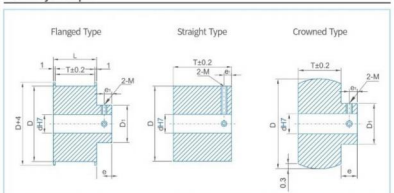
Pulley Code (Material and Surface Treatment)

① Pulley Code				
Flanged Type	Straight Type	Crowned Type	Material	Surface Treatment
DLAF	DLAH	DLAC	AL	Clear Anodize
DSYF	DSYH	DSYC	S45C	Black Anodize
DSPF	DSPH	DSPC	S45C	Electroless Nickel Plating

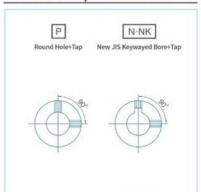
Pulley Product Code Example

① Pulley Code	② Outer Diameter D		③ Shaft Bore Inner Dia. d		④ Width T
DLAF	40	–	P10	–	11

Pulleys Shape



Shaft Bore Specs



① Pulley Code	② Outer Diameter D	③ dH7 Shaft Bore Inner Dia. P(Round Hole+Tap)	③ dH7 Shaft Bore Inner Dia. N.NK(Only 10)Keywayed Bore+Tap	④ Flat Belt Width T	D1	e	e1	M (Coarse)	L
	15	P5 P6	-		12				
	18	P5 P6 P8	-						
FLANGED TYPE	20	P5 P6 P8	N8		16				
DLAF DSYF DSPF	28	P6 P8 P10	N8			8	4	3	
	30	P6 P8 P10 P12	N8 N10 NK10 N12	6*					
STRAIGHT TYPE	35	P8 P10 P12	N10 NK10 N12	11	20				T+2
DLAH DSYH DSPH	40	P8 P10 P12	N10 NK10 N12	16 21					
	45	P10 P12	N10 NK10 N12	27 32					
CROWNED TYPE DLAC DSYC DSPC	50	P10 P12	N10 NK10 N12		30	12	6	5	
	60	P10 P12 P15	N10 NK10 N12 N15						
	80	P15 P20 P30	N15 N20 N30		50	16	8	8	
	100	P20 P30 P40	N20 N30 N40		60				

Description:
*,**: Crowned Type and Straight Type cannot select T=6.

Pulley Medium Type

Pulley Code (Material and Surface Treatment)

① Pulley Code						
Flanged Straight Type	Straight Type	Flanged Crowned Type	Crowned Type	Crosspiece Groove Straight Type	Material	Surface Treatment
DLAHF	DLAH	DLACF	DLAC	DLAV	AL	Clear Anodize
DSYHF	DSYH	DSYCF	DSYC	DSYV	S45C	Black Anodize
DSPHF	DSPH	DSPCF	DSPC	DSPV	S45C	Electroless Nickel Plating

Pulley Product Code Example Straight Type/Flanged Straight Type

① Pulley Code	② Outer Diameter D		③ Shaft Bore Inner Dia. d		④ Width L
DLAHF	40	–	12	–	30

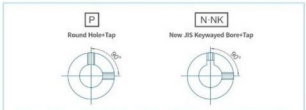
Pulley Product Code Example Crowned Type/Flanged Crowned Type

① Pulley Code	② Outer Diameter D		③ Shaft Bore Inner Dia. d		④ Width L		⑤ Crowned Height H
DLAC	40	–	20	–	L80	–	H0.5

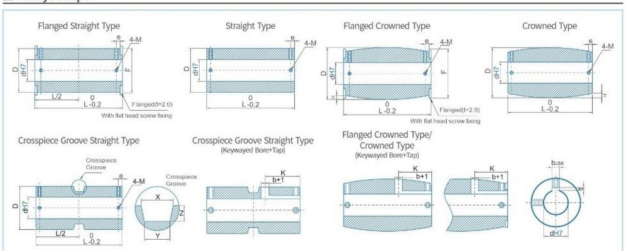
Pulley Product Code Example Crosspiece Groove Straight Type

① Pulley Code	② Outer Diameter D		③ Shaft Bore Inner Dia. d		④ Width L		⑥ Crosspiece Groove Width X		⑦ Crosspiece Groove Width Y		⑧ Crosspiece Groove Depth Z
DLAV	40	–	NK10	–	L80	–	X10	–	Y8	–	Z5

Shaft Bore Specs



Pulleys Shape



① Pulley Code	② Outer Diameter D	③ dH7 Shaft Bore Inner Dia. Round Hole+Tap	③ dH7 Shaft Bore Inner Dia. Keyawed Bore+Tap	④ Width L	⑤ Crowned Height H	⑥ Crosspiece Groove Width X	⑦ Crosspiece Groove Width Y	⑧ Crosspiece Groove Depth Z	Key length K	M (Coarse) Round Hole+Tap	M (Coarse) Keyawed Bore+Tap	e	F
FLANGED STRAIGHT TYPE	15	8	N8						25				-
DLAHF	20	8	N8						25				-
DSYHF		10	N10 NK10	FLANGED STRAIGHT TYPE									
DSPHF	25	8	N8						25				26
		10	N10 NK10	STRAIGHT TYPE							M3		
STRAIGHT TYPE		8	N8	FLANGED				4.0~7.0	25				
DLAH	30	10	N10 NK10	CROWNED TYPE									31
DSYH		12	N12	CROWNED TYPE				4.0~6.0	30	M4		3.5	
DSPH		10	N10 NK10	25~100					25				
FLANGED CROWNED TYPE	35	12	N12		0.3				30				36
DLACF		15	N15	CROSSPIECE GROOVE							M4		
DSYCF	40	12	N12	STRAIGHT TYPE	0.5				30		M3		
DSPCF		15	N15	50~100							M4		41
		20	N20		0.8						M5		
CROWNED TYPE		15	N15			7.0~15.0	5.0~12.0				M4		
DLAC	50	20	N20	WHEN D≤60.80 SELECT KEYWAY HOLE				4.0~7.0	30	M5	M5	4	51
DSYC		25	N25								M5		
DSPC		20	N20	60~100							M5		
CROSSPIECE GROOVE STRAIGHT TYPE	60	25	N25						30	M6	M6	4.5	61
DLAV		30	N30										
DSYV	80	25	N25						30	M8	M6	6	81
DSPV		30	N30										
		35	-						-		-		

Remark: 1. Crosspiece Groove Straight Type:Only D≥30.
2. Flanged Crowned Type:Only D≥25.

Sprocket Ider Gear Short Type

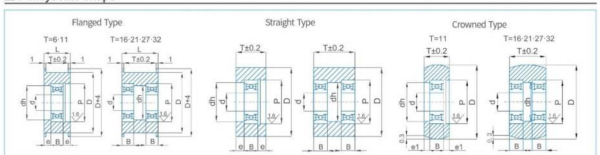
■ Pulley Ider Code (Material and Surface Treatment)

① Pulley Ider Code			Material	Surface Treatment
Flanged Type	Straight Type	Crowned Type		
DLAFC	DLAHC	DLACC	AL	Clear Anodize
DLAFZ	DLAHZ	DLACZ		
DSYFC	DSYHC	DSYCC	S45C	Black Anodize
DSYFZ	DSYHZ	DSYCZ		
DSPFC	DSPHC	DSPCC	S45C	Electroless Nickel Plating
DSPFZ	DSPHZ	DSPCZ		

■ Pulley Ider Product Code Example

① Ider Code	② Outer Diameter D		③ Width T
↓	↓		↓
DLAFZ	40	–	21

■ Pulleys Ider Shape



■ Flanged Type • Straight Type

① Pulley Code	② Outer Diameter D	③ Flat Belt Width T	P	dh	e	L	Bearing Use No.	d	B
	15	6	11	9	2	8	694ZZ×1	4	4
	20		16	13	1.5	8	684ZZ×1	4	5
	20	11	16	13	4	13	625ZZ×1	5	5
	25		19	16	3.5	13	626ZZ×1	6	5
	30		19	17	3.5	13	686ZZ×1	8	6
FLANGED TYPE	15		11	9	-	18	685ZZ×2	5	5
DLAFC	20		16	13	-	18	625ZZ×2		
DSYFC	30	16	19	17	-	18	626ZZ×2	6	6
DSPFC	35		26	23	-	18	698ZZ×2	8	
DLAFZ	40		26	23	-	18	6000ZZ×2	10	8
DSYFZ	15		11	9	-	23	685ZZ×2	5	5
DSPFZ	20		16	14	-	23	686ZZ×2	8	6
	25		19	17	-	23	696ZZ×2		
	30	21	26	23	-	23		8	6
STRAIGHT TYPE	40		26	23	-	23	6000ZZ×2	10	8
DLAHC	50		28	25	-	23	6001ZZ×2	12	8
DSYHC	15		11	9	-	29	685ZZ×2	5	5
DSPHC	20		16	14	-	29	686ZZ×2	8	6
DLAHZ	25	27	19	17	-	29	696ZZ×2		
DSYHZ	30		26	23	-	29	6000ZZ×2	10	8
DSPHZ	40		28	25	-	29	6001ZZ×2	12	8
	15		11	9	-	34	685ZZ×2	5	5
	20		16	14	-	34	686ZZ×2	8	6
	25	32	19	17	-	34	696ZZ×2		
	30		26	23	-	34		8	6
	40		26	23	-	34	6000ZZ×2	10	8
	50		28	25	-	34	6001ZZ×2	12	8

■ Crowned Type

① Pulley Code	② Outer Diameter D	③ Flat Belt Width T	P	dh	e1	Bearing Use No.	d	B
	20		16	13	3	625ZZ×1	5	5
	25	11	19	16	2.5	626ZZ×1	6	6
	30		19	17	2.5	696ZZ×1	8	
	15		11	9	-	685ZZ×2	5	5
	20		16	13	-	625ZZ×2		
	25	16	19	16	-	626ZZ×2	6	6
	30		19	17	-	696ZZ×2	8	
	35		22	17	-	6900ZZ×2	10	6
	40		22	17	-			
	15		11	9	-	685ZZ×2	5	5
CROWNED TYPE	20		16	14	-	686ZZ×2	8	6
DLACC	25		19	17	-	696ZZ×2		
DSYCC	30	21	19	17	-		8	
DSPCC	35		26	23	-	6000ZZ×2	10	8
DLACZ	40		26	23	-			
DSYCZ	50		28	25	-	6001ZZ×2	12	8
DSPCZ	15		11	9	-	685ZZ×2	5	5
	20		16	14	-	686ZZ×2	8	6
	25	27	19	17	-	696ZZ×2		
	30		19	17	-		8	
	40		26	23	-	6000ZZ×2	10	8
	50		28	25	-	6001ZZ×2	12	
	15		11	9	-	685ZZ×2	5	5
	20		16	14	-	686ZZ×2	8	
	25	32	19	17	-			6
	30		19	17	-	696ZZ×2	8	
	40		26	23	-	6000ZZ×2	10	8
	50		28	25	-	6001ZZ×2	12	

Sprocket Ider Gear Medium Type

■ Pulley Ider Code (Material and Surface Treatment)

① Pulley Ider Code				Material	Surface Treatment
Flanged Straight Type	Straight Type	Crowned Type	Crosspiece Groove Straight Type		
DLAHFZ	DLAHZ	DLACZ	DLAVZ	AL	Clear Anodize
DSYHFZ	DSYHZ	DSYCZ	DSYVZ	S45C	Black Anodize
DSPHFZ	DSPHZ	DSPCZ	DSPVZ	S45C	Electroless Nickel Plating

■ Pulley Ider Product Code Example Straight Type/Flanged Straight Type

① Pulley Code	② Outer Diameter D	③ Shaft Bore Inner Dia. d	④ Width L
↓	↓	↓	↓
DLAHZ	40 –	20 –	L50

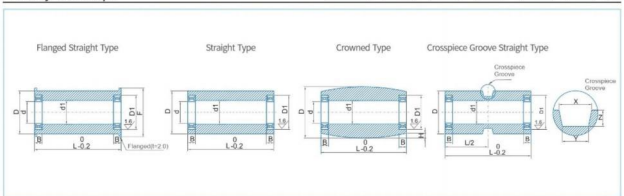
■ Pulley Ider Product Code Example Crowned Type

① Pulley Code	② Outer Diameter D	③ Shaft Bore Inner Dia. d	④ Width L	⑤ Crowned Height H
↓	↓	↓	↓	↓
DLACZ	40 –	20 –	L50 –	H0.5

■ Pulley Ider Product Code Example Crosspiece Groove Straight Type

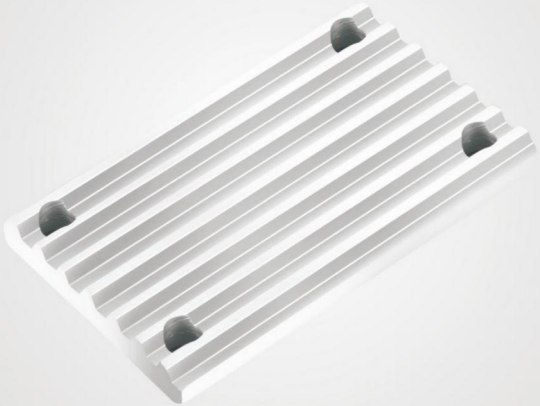
① Ider Code	② Outer Diameter D	③ Shaft Bore Inner Dia. d	④ Width L	⑥ Crosspiece Groove Width X	⑦ Crosspiece Groove Width	⑧ Crosspiece Groove Depth Z
↓	↓	↓	↓	↓	↓	↓
DLAVZ	40 –	20 –	L80 –	X7 –	Y5 –	Z4

■ Pulleys Ider Shape



① Pulley Code	② Outer Diameter D	③ d	④ Width L	⑤ Crowned Height H	⑥ Crosspiece Groove Width X	⑦ Crosspiece Groove Width Y	⑧ Crosspiece Groove Depth Z	d1	Bearing Dimensions No.	D1	B	F
	15	6						7	B675ZZ×2	8	2.5	-
		8						9	B676ZZ×2	10	3	-
	20	6			-	-	-	10	B686ZZ×2	13	5	-
FLANGED		8						10	B678ZZ×2	12	3.5	-
STRAIGHT TYPE	25	8							B696ZZ×2	15	5	26
DLAHFZ		8							B688ZZ×2	16		
DSYHFZ	30	10	FLANGED STRAIGHT TYPE						B698ZZ×2	19	6	31
DSPHFZ		12							B6900ZZ×2	22		
		10	STRAIGHT						B6901ZZ×2	24		
STRAIGHT TYPE	35	12	TYPE				2.0 – 4.5	15	B6900ZZ×2	22	6	
DLAHZ		15	CROWNED					17	B6901ZZ×2	24		36
DSYHZ		8	TYPE				4.0 – 6.0		B6902ZZ×2	28	7	
DSPHZ		10	25 – 100	0.3					B628ZZ×2	24	8	
	40	12							B6000ZZ×2	26		
		15		0.5			4.0 – 7.0	17	B6901ZZ×2	24	6	41
CROWNED TYPE		15	CROSSPIECE						B6902ZZ×2	28	7	
DLACZ		20	GROOVE				4.0 – 6.0	22	B6804ZZ×2	32		
DSYCZ		10	STRAIGHT	0.8				17	B6200ZZ×2	30	9	
DSPCZ		12	TYPE		7.0 – 15.0	5.0 – 12.0		22	B6001ZZ×2		8	
	50	15	50 – 100					17	B6902ZZ×2	28	7	51
CROSSPIECE GROOVE		20							B6904ZZ×2	37	9	
STRAIGHT TYPE		25					27		B6905ZZ×2	42		
DLAVZ		12							B6201ZZ×2		10	
DSYVZ	60	15					4.0 – 7.0	22	B6002ZZ×2	32	9	
DSPVZ		20							B6804ZZ×2	37		61
		25							B6905ZZ×2	42	9	
		30					32		B6906ZZ×2	47		
		25							B6205ZZ×2	52	15	
	80	30					41		B6006ZZ×2	55	13	81
		35							B6907ZZ×2		10	

Remark: 1. Crosspiece Groove Straight Type:Only D≥30.
2. L≥B×2+2



TIMING BELT CLAMP PLATE

01 Product Overview

A toothed plate is a metal component with a toothed surface that is fixed in contact with the toothed grooves on the surface of a timing belt, connecting the open ends of the timing belt to achieve the purpose of transmission. Herz Transmission not only produces various types of toothed timing pulleys, idlers, and open-end timing belts, but also provides toothed plate products for open timing belts used in reciprocating conveying. When reciprocating, it is recommended to use polyurethane open type timing belts and toothed plates.

02 Characteristics

1. The combination of an open belt and a toothed plate is often used in conjunction with products such as linear guides and linear motors, and is suitable for use in highly automated equipment to achieve long-distance transmission functions;
2. It is possible to perform hole machining on the surface of the toothed plate metal part to match the fixing of the workpiece or fixture.

03 Usage Instructions

Install the belt on the inside of the toothed plate, align the belt with the toothed plate, and then tighten the screw.

Caution

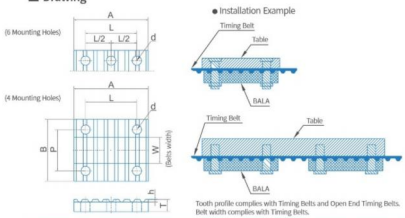
1. No screws are included. Customers are requested to calculate the overall height based on the size of the holes in the toothed plate and the thickness of the toothed plate and belt, and prepare bolts of appropriate specifications on their own;
2. First confirm the width of the belt, then select the width of the toothed plate, and after confirming the hole spacing, select the toothed plate product code.

Timing Belt Clamp Plate



Nut Fitting, Single

■ Drawing



Tooth profile complies with Timing Belts and Open End Timing Belts.
Belt width complies with Timing Belts.

■ Product Code Example

1 Plate Code	2 Type	3 Belt Nominal Width
BALA	S5M	150

■ Material and Surface Treatment

Plate Code	Material	Surface Treatment
BALA	AL	Clear Anodize

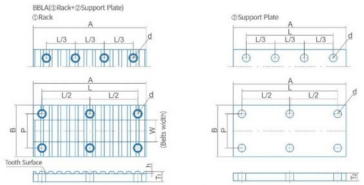
1 Plate Code	2 Type	3 Belt Nominal width	W	A	B	T	h	L	P	d	Number of Mounting Holes
BALA	XL	025	6.4	36	24	6	1.25	25	12	4.5	4
		031	7.9		25				14		
		037	9.5		26				16		
		050	12.7		30				20		
	L	050	12.7	66	32	8	1.9	50	20	5.5	4
		075	19.1		38				26		
		100	25.4		46				33		
		150	38.1		58				46		
	H	075	19.1	89	38	10	2.3	70	26	5.5	6
		100	25.4		46				33		
		150	38.1		58				45		
		200	50.8		70				58		
	S3M (H3M)	060	6.0	21	20	4	1.14 (1.21)	15	11	3.4	4
		100	10.0		25				15		
		150	15.0		30				20		
	S5M (H5M)	100	10.0	35	26	6	1.81 (2.08)	25	16	4.5	4
		150	15.0		32				21		
		250	25.0		42				31		
	S8M (H8M)	150	15.0	56	34	8	2.85 (3.38)	40	22	5.5	4
		250	25.0		44				32		
		300	30.0		50				37		
		400	40.0		60				47		
	T5	100	10.0	35	26	6	1.2	25	16	4.5	4
		150	15.0		32				21		
		200	20.0		38				26		
		250	25.0		43				31		
	T10	150	15.0	70	34	8	2.5	50	22	5.5	6
		200	20.0		40				27		
		250	25.0		44				32		
		300	30.0		50				37		

Timing Belt Clamp Plate



Nut Fitting

■ Drawing



Tooth profile complies with Timing Belts and Open End Timing Belts.
Belt width complies with Timing Belts.

■ Product Code Example

1 Plate Code	2 Type	3 Belt Nominal Width
BBLA	T5	200

■ Material and Surface Treatment

Plate Code	Material	Surface Treatment
BBLA	AL	Clear Anodize

Accessories: Hex Socket Head Cap Screws and Nut

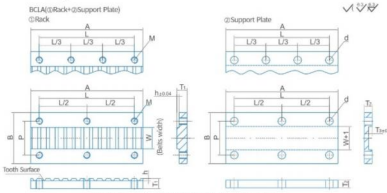
1 Plate Code	2 Type	3 Belt Nominal width	W	A	B	T1	T2	h	L	P	Screw Spec.	d	Number of Mounting Holes
BBLA (① +②)	MXL	025	6.4	66	18	4	4	0.51	19	11	M3-12	3.4	6
		037	9.5		22					14			
		050	12.7		26					18			
	XL	025	6.4		24	6		1.25	56	12	M4-15	4.5	
		031	7.9		25					14			
		037	9.5		26					16			
		050	12.7		30					20			
	L	050	12.7	124	32	8	5	1.90	111	20	M5-20	5.5	8
		075	19.1		38					26			
		100	25.4		46					33			
		150	38.1		58					46			
	H	075	19.1	165	38	10		2.30	147	26			
		100	25.4		46					33			
		150	38.1		58					45			
		200	50.8		70					58			
	S2M	040	4.0	26	16	4	4	0.76	18	8	M3-12	3.4	6
		060	6.0		18					10			
		100	10.0		24					15			
	S3M (H3M)	060	6.0	39	18			1.14 (1.21)	31	10			
		100	10.0		22					14			
		150	15.0		28					20			
	S5M (H5M)	100	10.0	65	26	6		1.81 (2.08)	51	16	M4-15	4.5	
		150	15.0		32					21			
		250	25.0		42					31			
	S8M (H8M)	150	15.0	104	34	8	5	2.85 (3.38)	84	22	M5-20	5.5	8
		250	25.0		44					32			
		300	30.0		50					37			
		400	40.0		60					47			
	T5	100	10.0	65	26	6		1.20	51	16	M4-15	4.5	6
		150	15.0		32					21			
		200	20.0		38					26			
		250	25.0		43		5			31			
		150	15.0		34					22			
	T10	200	20.0	130	40	8		2.50	111	27	M5-20	5.5	8
		250	25.0		44					32			
		300	30.0		50					37			

Timing Belt Clamp Plate



Overpressure Prevention Metal Fitting Hole Position Configurable Type

■ Drawing



Tooth profile complies with Timing Belts and Open End Timing Belts.
Belt width complies with Timing Belts.

■ Product Code Example

1 Plate Code		2 Type		3 Belt Nominal width
↓		↓		↓
BCLA	–	XL		025

■ Material and Surface Treatment

Plate Code	Material	Surface Treatment
BCLA	AL	Clear Anodize

Accessories: Hex Socket Head Cap Screws and Nut

1 Plate Code	2 Type	3 Belt Nominal width	W	A	B	T1	T2	T3	h	L	P	M	d	Screw Spec.	Number of Mounting Holes
BCLA (①+②)	XL	025	6.4	66	24	6	4.5	2.10	1.30	56	13	M4	4.5	M4-10	6
		037	9.5		26						16				
		050	12.7		30						20				
	L	050	12.7	124	32	8	5.5	3.33	2.05	111	21			M5-12	
		075	19.1		38						27				
		100	25.4		46						34				
	H	075	19.1	165	38	10	6.5	4.15	2.55	147	27	M5	5.5	M5-14	8
		100	25.4		46						34				
		150	38.1		58						46				
		200	50.8		70						59				
	S3M	060	6.0	39	18	4	3.5	1.94	1.25	31	11	M3	3.4	M3- 6	6
	S5M	100	10.0	65	26	6	5.5	3.14	2.00	51	17	M4	4.5	M4-10	
		150	15.0		32						22				
		250	25.0		42						32				
	S8M	150	15.0	104	34	8	6.5	4.72	3.00	84	23	M5	5.5	M5-12	8
		250	25.0		44						33				
		300	30.0		50						38				
		400	40.0		60						48				
	T5	100	10.0	65	26	6	4.5	2.20	1.40	51	17	M4	4.5	M4-10	6
		150	15.0		32						22				
		200	20.0		38						27				
		250	25.0		43						32				
	T10	150	15.0	130	34	8	6.5	4.30	2.70	111	23	M5	5.5	M5-12	8
		200	20.0		40						28				
		250	25.0		44						33				
		300	30.0		50						38				
		400	40.0		60						48				
		500	50.0		70						58				
	AT5	150	15.0	65	32	6	4.5	2.20	1.40	51	22	M4	4.5	M4-10	6
	AT10	200	20.0	130	40	8	6.5	4.30	2.70	111	28	M5	5.5	M5-12	8
		250	25.0		44						33				

TIMING BELT

GO FURTHER




RUBBER TIMING BELT

Trapezoidal Tooth Timing Belt

The trapezoidal timing belt includes MXL/XL/L/H/XXL/XH/XXH tooth types, which are ISO standard tooth types and are commonly used for general transmission purposes.



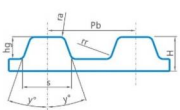
Industry/Application

Transmission products are widely used in various industries such as textiles, machine tools, tobacco, communication cables, light industry, chemical industry, metallurgy, instrumentation, food processing, woodworking, mining, petroleum, office equipment, paper making, vending machines, mechanical tools, sewing machines, and other types of mechanical transmissions.

Features/Advantages

- The core wire uses glass fiber as a strong layer, which has high strength and excellent flexibility, dynamic winding, and tensile elongation performance
- The main body is made of special rubber compound, which has certain oil resistance, dirt resistance, aging resistance and crack resistance.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

Trapezoidal Teeth Profile



Dimension

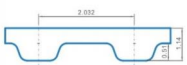
Type	Pitch	Profile Angle	Root Thickness of Teeth	Tooth Height	Root Fillet	Tooth Tip Fillet	Thickness	Teeth Range	Pitch Line Length
	Pb	2y°	s	hg	Radius rr	Radius ra	H		
MXL	2.032	40	1.14	0.51	0.13	0.13	1.14	40~1060	81.28~2153.92
XL	5.08	50	2.57	1.27	0.38	0.38	2.3	21~510	106.68~2590.80
L	9.525		4.65	1.91	0.51	0.51	3.6	23~320	219.08~3048.00
H	12.7	40	6.12	2.29	1.02	1.02	4.3	29~400	368.30~5080.00
XH	22.225		12.57	6.35	1.57	1.19	11.2	46~200	1022.35~4445.00
XXH	31.75		19.05	9.53	2.29	1.52	15.7	56~144	1778.00~4572.00

Physical and Mechanical Properties

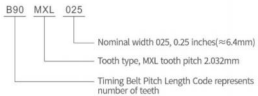
Item		Trapezoidal tooth					
		MXL	XL	L	H	XH	XXH
Tensile Strength N/mm ≥		60	80	120	270	380	450
Reference Force Elongation	Reference Force N/mm	45	60	90	220	300	360
	Elongation%≤	4.0	4.0	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	5	6.5	8	10	12
Core wire bonding strength N ≥		-	200	380	600	800	1500
Shear strength of tooth body N/mm ≥		-	50	60	70	75	90

MXL Timing Belt

MXL Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Belt Width
019	4.8mm
025	6.4mm
037	9.5mm
050	12.7mm

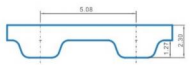
MXL Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
B40MXL	40	81.28
B42MXL	42	85.34
B43MXL	43	87.38
B45MXL	45	91.44
B46MXL	46	93.47
B47MXL	47	95.50
B48MXL	48	97.54
B49MXL	49	99.57
B50MXL	50	101.60
B51MXL	51	103.63
B52MXL	52	105.66
B53MXL	53	107.70
B54MXL	54	109.73
B55MXL	55	111.76
B56MXL	56	113.79
B57MXL	57	115.82
B58MXL	58	117.86
B59MXL	59	119.89
B60MXL	60	121.92
B61MXL	61	123.95
B62MXL	62	125.98
B63MXL	63	128.02
B64MXL	64	130.05
B65MXL	65	132.08
B66MXL	66	134.11
B67MXL	67	136.14
B68MXL	68	138.18
B70MXL	70	142.24
B71MXL	71	144.27
B72MXL	72	146.30
B73MXL	73	148.34
B74MXL	74	150.37
B75MXL	75	152.40
B76MXL	76	154.43
B77MXL	77	156.46
B78MXL	78	158.50
B79MXL	79	160.53
B80MXL	80	162.56
B81MXL	81	164.59
B82MXL	82	166.62
B83MXL	83	168.66
B84MXL	84	170.69
B85MXL	85	172.72
B86MXL	86	174.75
B87MXL	87	176.78
B88MXL	88	178.82
B89MXL	89	180.85
B90MXL	90	182.88
B91MXL	91	184.91
B92MXL	92	186.94
B93MXL	93	188.98
B94MXL	94	191.01
B95MXL	95	193.04
B96MXL	96	195.07
B97MXL	97	197.10
B98MXL	98	199.14
B99MXL	99	201.17
B100MXL	100	203.20
B101MXL	101	205.23
B102MXL	102	207.26
B103MXL	103	209.30
B104MXL	104	211.33
B105MXL	105	213.36
B106MXL	106	215.39
B107MXL	107	217.42
B108MXL	108	219.46
B109MXL	109	221.49
B110MXL	110	223.52
B111MXL	111	225.55
B112MXL	112	227.58
B113MXL	113	229.62
B114MXL	114	231.65
B115MXL	115	233.68
B116MXL	116	235.71
B117MXL	117	237.74
B118MXL	118	239.78
B119MXL	119	241.81
B120MXL	120	243.84
B121MXL	121	245.87
B122MXL	122	247.90
B123MXL	123	249.94
B124MXL	124	251.97
B125MXL	125	254.00
B126MXL	126	256.03
B127MXL	127	258.06
B128MXL	128	260.10
B130MXL	130	264.16
B131MXL	131	266.19
B132MXL	132	268.22
B133MXL	133	270.26
B134MXL	134	272.29
B135MXL	135	274.32
B136MXL	136	276.35
B137MXL	137	278.38
B138MXL	138	280.42
B139MXL	139	282.45
B140MXL	140	284.48
B142MXL	142	288.54
B143MXL	143	290.58
B144MXL	144	292.61
B145MXL	145	294.64
B147MXL	147	298.70
B148MXL	148	300.74
B149MXL	149	302.77
B150MXL	150	304.80
B151MXL	151	306.83
B152MXL	152	308.86
B153MXL	153	310.90
B154MXL	154	312.93
B155MXL	155	314.96
B156MXL	156	316.99
B158MXL	158	321.06
B159MXL	159	323.09
B160MXL	160	325.12
B162MXL	162	329.18
B163MXL	163	331.22
B165MXL	165	335.28
B166MXL	166	337.31
B169MXL	169	343.41
B170MXL	170	345.44
B171MXL	171	347.47
B175MXL	175	355.60
B180MXL	180	365.76
B184MXL	184	373.89
B185MXL	185	375.92
B186MXL	186	377.95
B187MXL	187	379.98
B189MXL	189	384.05
B190MXL	190	386.08
B192MXL	192	390.14
B194MXL	194	394.21
B195MXL	195	396.24
B200MXL	200	406.40
B203MXL	203	412.50
B205MXL	205	416.56
B206MXL	206	418.59
B210MXL	210	426.72
B212MXL	212	430.78
B215MXL	215	436.88
B216MXL	216	438.91
B219MXL	219	445.01
B221MXL	221	449.07
B225MXL	225	457.20
B229MXL	229	465.33
B230MXL	230	467.36
B231MXL	231	469.39
B232MXL	232	471.42
B234MXL	234	475.49
B235MXL	235	477.52
B236MXL	236	479.55
B238MXL	238	483.62
B240MXL	240	487.68
B241MXL	241	489.71
B242MXL	242	491.74
B243MXL	243	493.78
B248MXL	248	503.94
B249MXL	249	505.97
B250MXL	250	508.00
B256MXL	256	520.19
B265MXL	265	538.48
B268MXL	268	544.58
B273MXL	273	554.74
B275MXL	275	558.80
B276MXL	276	560.83
B280MXL	280	568.96
B285MXL	285	579.12
B290MXL	290	589.28
B295MXL	295	599.44
B298MXL	298	605.54
B300MXL	300	609.60
B305MXL	305	619.76
B310MXL	310	629.92
B312MXL	312	633.98
B315MXL	315	640.08
B320MXL	320	650.24
B323MXL	323	656.34
B326MXL	326	662.43
B328MXL	328	666.50
B332MXL	332	674.62
B333MXL	333	676.66
B336MXL	336	682.75
B339MXL	339	688.85
B340MXL	340	690.88
B347MXL	347	705.10
B350MXL	350	711.20
B360MXL	360	731.52
B365MXL	365	741.68
B371MXL	371	753.87
B372MXL	372	755.90
B378MXL	378	768.10
B380MXL	380	772.16
B386MXL	386	784.35
B390MXL	390	792.48
B397MXL	397	806.70
B400MXL	400	812.80
B408MXL	408	829.06
B410MXL	410	833.12
B412MXL	412	837.18
B413MXL	413	839.22
B428MXL	428	869.70
B430MXL	430	873.76
B440MXL	440	894.08
B453MXL	453	920.50
B468MXL	468	950.98
B473MXL	473	961.14
B482MXL	482	979.42
B487MXL	487	989.58
B498MXL	498	1011.94
B504MXL	504	1024.13
B515MXL	515	1046.48
B516MXL	516	1048.51
B522MXL	522	1060.70
B532MXL	532	1081.02
B537MXL	537	1091.18
B541MXL	541	1099.31
B570MXL	570	1158.24
B612MXL	612	1243.58
B638MXL	638	1296.42
B648MXL	648	1316.74
B670MXL	670	1361.44
B680MXL	680	1381.76
B705MXL	705	1432.56
B750MXL	750	1524.00
B760MXL	760	1544.32
B853MXL	853	1733.30
B955MXL	955	1940.56
B1012MXL	1012	2056.38
B1060MXL	1060	2153.92

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:MXL Timing Belt.

XL Timing Belt

XL Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Belt Width
025	6.4mm
031	7.9mm
037	9.5mm
050	12.7mm

Attention: For XL Type Timing Blet, The pitch Length in Part No. is inch size,please check the metric dimensions of the pitch length and the number of teeth in the specificationtable for design and selection.

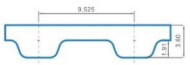
XL Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
42XL	21	106.68
60XL	30	152.40
62XL	31	157.48
64XL	32	162.56
66XL	33	167.64
68XL	34	172.72
70XL	35	177.80
72XL	36	182.88
74XL	37	187.96
76XL	38	193.04
78XL	39	198.12
80XL	40	203.20
82XL	41	208.28
84XL	42	213.36
86XL	43	218.44
88XL	44	223.52
90XL	45	228.60
92XL	46	233.68
94XL	47	238.76
96XL	48	243.84
98XL	49	248.92
100XL	50	254.00
102XL	51	259.08
104XL	52	264.16
106XL	53	269.24
108XL	54	274.32
110XL	55	279.40
112XL	56	284.48
114XL	57	289.56
116XL	58	294.64
118XL	59	299.72
120XL	60	304.80
122XL	61	309.88
124XL	62	314.96
126XL	63	320.04
128XL	64	325.12
130XL	65	330.20
132XL	66	335.28
134XL	67	340.36
136XL	68	345.44
138XL	69	350.52
140XL	70	355.60
142XL	71	360.68
144XL	72	365.76
146XL	73	370.84
148XL	74	375.92
150XL	75	381.00
152XL	76	386.08
154XL	77	391.16
156XL	78	396.24
158XL	79	401.32
160XL	80	406.40
162XL	81	411.48
164XL	82	416.56
166XL	83	421.64
168XL	84	426.72
170XL	85	431.80
172XL	86	436.88
174XL	87	441.96
176XL	88	447.04
178XL	89	452.12
180XL	90	457.20
182XL	91	462.28
184XL	92	467.36
186XL	93	472.44
188XL	94	477.52
190XL	95	482.60
192XL	96	487.68
194XL	97	492.76
196XL	98	497.84
198XL	99	502.92
200XL	100	508.00
202XL	101	513.08
204XL	102	518.16
206XL	103	523.24
208XL	104	528.32
210XL	105	533.40
212XL	106	538.48
214XL	107	543.56
216XL	108	548.64
218XL	109	553.72
220XL	110	558.80
222XL	111	563.88
224XL	112	568.96
226XL	113	574.04
228XL	114	579.12
230XL	115	584.20
234XL	117	594.36
236XL	118	599.44
240XL	120	609.60
244XL	122	619.76
246XL	123	624.84
248XL	124	629.92
250XL	125	635.00
254XL	127	645.16
256XL	128	650.24
258XL	129	655.32
260XL	130	660.40
262XL	131	665.48
264XL	132	670.56
266XL	133	675.64
268XL	134	680.72
270XL	135	685.80
274XL	137	695.96
276XL	138	701.04
278XL	139	706.12
280XL	140	711.20
282XL	141	716.28
286XL	143	726.44
290XL	145	736.60
294XL	147	746.76
296XL	148	751.84
300XL	150	762.00
302XL	151	767.08
304XL	152	772.16
306XL	153	777.24
310XL	155	787.40
312XL	156	792.48
314XL	157	797.56
316XL	158	802.64
320XL	160	812.80
322XL	161	817.88
330XL	165	838.20
332XL	166	843.28
334XL	167	848.36
336XL	168	853.44
338XL	169	858.52
340XL	170	863.60
344XL	172	873.76
348XL	174	883.92
350XL	175	889.00
352XL	176	894.08
356XL	178	904.24
360XL	180	914.40
364XL	182	924.56
370XL	185	939.80
372XL	186	944.88
376XL	188	955.04
380XL	190	965.20
382XL	191	970.28
384XL	192	975.36
390XL	195	990.60
392XL	196	995.68
396XL	198	1005.84
400XL	200	1016.00
404XL	202	1026.16
412XL	206	1046.48
414XL	207	1051.56
424XL	212	1076.96
430XL	215	1092.20
432XL	216	1097.28
434XL	217	1102.36
438XL	219	1112.52
450XL	225	1143.00
460XL	230	1168.40
468XL	234	1188.72
470XL	235	1193.80
480XL	240	1219.20
490XL	245	1244.60
498XL	249	1264.92
506XL	253	1285.24
510XL	255	1295.40
522XL	261	1325.88
530XL	265	1346.20
532XL	266	1351.28
552XL	276	1402.08
564XL	282	1432.56
572XL	286	1452.88
580XL	290	1473.20
592XL	296	1503.68
600XL	300	1524.00
612XL	306	1554.48
630XL	315	1600.20
638XL	319	1620.52
648XL	324	1645.92
670XL	335	1701.80
672XL	336	1706.88
686XL	343	1742.44
690XL	345	1752.60
700XL	350	1778.00
720XL	360	1828.80
730XL	365	1854.20
736XL	368	1869.44
756XL	378	1920.24
770XL	385	1955.80
828XL	414	2103.12
850XL	425	2159.00
860XL	430	2184.40
884XL	442	2245.36
950XL	475	2413.00
1020XL	510	2590.80

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:XL Timing Belt.

L Timing Belt

L Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Belt Width
050	12.7mm
075	19.1mm
100	25.4mm
150	38.1mm

Attention: For L Type Timing Blet, The pitch Length in Part No. is inch size,please check the metric dimensions of the pitch length and the number of teeth in the specificationtable for design and selection.

L Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
86L	23	219.08
98L	26	247.65
101L	27	257.18
109L	29	276.23
113L	30	285.75
120L	32	304.80
124L	33	314.33
131L	35	333.38
135L	36	342.90
143L	38	361.95
150L	40	381.00
154L	41	390.53
158L	42	400.05
161L	43	409.58
165L	44	419.10
169L	45	428.63
173L	46	438.15
176L	47	447.68
180L	48	457.20
184L	49	466.73
188L	50	476.25
191L	51	485.78
195L	52	495.30
199L	53	504.83
203L	54	514.35
206L	55	523.88
210L	56	533.40
214L	57	542.93
218L	58	552.45
221L	59	561.98
225L	60	571.50
229L	61	581.03
233L	62	590.55
236L	63	600.08
240L	64	609.60
244L	65	619.13
248L	66	628.65
251L	67	638.18
255L	68	647.70
259L	69	657.23
263L	70	666.75
266L	71	676.28
270L	72	685.80
274L	73	695.33
278L	74	704.85
281L	75	714.38
285L	76	723.90
293L	78	742.95
300L	80	762.00
304L	81	771.53
311L	83	790.58
315L	84	800.10
319L	85	809.63
323L	86	819.15
326L	87	828.68
330L	88	838.20
334L	89	847.73
338L	90	857.25
341L	91	866.78
345L	92	876.30
353L	94	895.35
356L	95	904.88
360L	96	914.40
368L	98	933.45
375L	100	952.50
383L	102	971.55
390L	104	990.60
394L	105	1000.13
398L	106	1009.65
401L	107	1019.18
405L	108	1028.70
409L	109	1038.23
413L	110	1047.75
420L	112	1066.80
428L	114	1085.85
435L	116	1104.90
439L	117	1114.43
443L	118	1123.95
450L	120	1143.00
454L	121	1152.53
458L	122	1162.05
465L	124	1181.10
480L	128	1219.20
491L	131	1247.78
495L	132	1257.30
499L	133	1266.83
510L	136	1295.40
514L	137	1304.93
525L	140	1333.50
533L	142	1352.55
540L	144	1371.60
548L	146	1390.65
551L	147	1400.18
555L	148	1409.70
559L	149	1419.23
563L	150	1428.75
570L	152	1447.80
581L	155	1476.38
585L	156	1485.90
600L	160	1524.00
604L	161	1533.53
619L	165	1571.63
630L	168	1600.20
641L	171	1628.78
653L	174	1657.35
660L	176	1676.40
675L	180	1714.50
694L	185	1762.13
698L	186	1771.65
701L	187	1781.18
720L	192	1828.80
728L	194	1847.85
731L	195	1857.38
739L	197	1876.43
750L	200	1905.00
765L	204	1943.10
769L	205	1952.63
788L	210	2000.25
791L	211	2009.78
818L	218	2076.45
863L	230	2190.75
874L	233	2219.33
900L	240	2286.00
915L	244	2324.10
938L	250	2381.25
983L	262	2495.55
994L	265	2524.13
1043L	278	2647.95
1148L	306	2914.65
1200L	320	3048.00

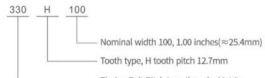
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:L Timing Belt.

H Timing Belt

H Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Belt Width
075	19.1mm
100	25.4mm
150	38.1mm
200	50.8mm

Attention: For H Type Timing Blet, The pitch Length in Part No. is inch size,please check the metric dimensions of the pitch length and the number of teeth in the specificationtable for design and selection.

H Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
145H	29	368.30
185H	37	469.90
200H	40	508.00
205H	41	520.70
210H	42	533.40
215H	43	546.10
220H	44	558.80
225H	45	571.50
230H	46	584.20
240H	48	609.60
245H	49	622.30
250H	50	635.00
255H	51	647.70
260H	52	660.40
270H	54	685.80
280H	56	711.20
285H	57	723.90
290H	58	736.60
300H	60	762.00
305H	61	774.70
310H	62	787.40
315H	63	800.10
320H	64	812.80
325H	65	825.50
330H	66	838.20
335H	67	850.90
340H	68	863.60
345H	69	876.30
350H	70	889.00
360H	72	914.40
365H	73	927.10
370H	74	939.80
375H	75	952.50
380H	76	965.20
385H	77	977.90
390H	78	990.60
395H	79	1003.30
400H	80	1016.00
405H	81	1028.70
410H	82	1041.40
415H	83	1054.10
420H	84	1066.80
425H	85	1079.50
430H	86	1092.20
435H	87	1104.90
440H	88	1117.60
445H	89	1130.30
450H	90	1143.00
460H	92	1168.40
465H	93	1181.10
470H	94	1193.80
480H	96	1219.20
485H	97	1231.90
490H	98	1244.60
495H	99	1257.30
500H	100	1270.00
510H	102	1295.40
515H	103	1308.10
520H	104	1320.80
525H	105	1333.50
530H	106	1346.20
540H	108	1371.60
550H	110	1397.00
555H	111	1409.70
560H	112	1422.40
570H	114	1447.80
580H	116	1473.20
585H	117	1485.90
590H	118	1498.60
600H	120	1524.00
605H	121	1536.70
610H	122	1549.40
615H	123	1562.10
620H	124	1574.80
625H	125	1587.50
630H	126	1600.20
640H	128	1625.60
645H	129	1638.30
650H	130	1651.00
660H	132	1676.40
670H	134	1701.80
680H	136	1727.20
700H	140	1778.00
705H	141	1790.70
710H	142	1803.40
720H	144	1828.80
725H	145	1841.50
730H	146	1854.20
740H	148	1879.60
750H	150	1905.00
760H	152	1930.40
770H	154	1955.80
780H	156	1981.20
800H	160	2032.00
810H	162	2057.40
820H	164	2082.80
830H	166	2108.20
840H	168	2133.60
850H	170	2159.00
860H	172	2184.40
870H	174	2209.80
880H	176	2235.20
885H	177	2247.90
900H	180	2286.00
940H	188	2387.60
950H	190	2413.00
960H	192	2438.40
980H	196	2489.20
985H	197	2501.90
1000H	200	2540.00
1020H	204	2590.80
1050H	210	2667.00
1070H	214	2717.80
1100H	220	2794.00
1120H	224	2844.80
1130H	226	2870.20
1135H	227	2882.90
1140H	228	2895.60
1150H	230	2921.00
1155H	231	2933.70
1160H	232	2946.40
1180H	236	2997.20
1200H	240	3048.00
1230H	246	3124.20
1240H	248	3149.60
1250H	250	3175.00
1260H	252	3200.40
1270H	254	3225.80
1285H	257	3263.90
1300H	260	3302.00
1325H	265	3365.50
1350H	270	3429.00
1360H	272	3454.40
1400H	280	3556.00
1450H	290	3683.00
1460H	292	3708.40
1500H	300	3810.00
1550H	310	3937.00
1560H	312	3962.40
1600H	320	4064.00
1630H	326	4140.20
1650H	330	4191.00
1720H	344	4368.80
1700H	340	4318.00
1750H	350	4445.00
1780H	356	4521.20
1800H	360	4572.00
1820H	364	4622.80
1850H	370	4699.00
1900H	380	4826.00
1925H	385	4889.50
1950H	390	4953.00
2000H	400	5080.00

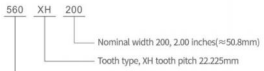
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:H Timing Belt.

XH Timing Belt

XH Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Metric Width
200	50.8mm
250	63.5mm
300	76.2mm
400	101.6mm

Attention: For XH Type Timing Blet, The pitch Length in Part No. is inch size,please check the metric dimensions of the pitch length and the number of teeth in the specificationtable for design and selection.

XH Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
402.5XH	46	1022.35
464XH	53	1177.93
473XH	54	1200.15
508XH	58	1289.05
560XH	64	1422.40
569XH	65	1444.63
578XH	66	1466.85
621XH	71	1577.98
630XH	72	1600.20
700XH	80	1778.00
735XH	84	1866.90
753XH	86	1911.35
770XH	88	1955.80
796XH	91	2022.48
805XH	92	2044.70
840XH	96	2133.60
928XH	106	2355.85
945XH	108	2400.30
963XH	110	2444.75
980XH	112	2489.20
998XH	114	2533.65
1120XH	128	2844.80
1260XH	144	3200.40
1400XH	160	3556.00
1540XH	176	3911.60
1750XH	200	4445.00

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:XH Timing Belt.

XXH Timing Belt

XXH Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Imperial Width	Metric Width
200	50.8mm
300	76.2mm
400	101.6mm
500	127.0mm

Attention: The pitch length in the XXH toothed timing belt model is expressed in imperial units. Please refer to the Pitch Line Length(metric dimensions) and Teeth No. in the specification table for design and selection of pitch length.

XXH Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
700XXH	56	1778.00
713XXH	57	1809.75
800XXH	64	2032.00
900XXH	72	2286.00
1000XXH	80	2540.00
1063XXH	85	2698.75
1200XXH	96	3048.00
1400XXH	112	3556.00
1600XXH	128	4064.00
1800XXH	144	4572.00

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:XXH Timing Belt.

T Timing Belt

T-shaped timing belt includes the T2.5/T5/T10/T20 tooth profile, which is an ISO standard tooth profile commonly used for general transmission purposes.



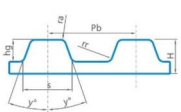
Industry/Application

Transmission products are widely used in various industries and types of machinery such as packaging machinery, logistics conveyor lines, conveyors, printers, copiers, sewing machines, card readers, textile machines, etc.

Features/Advantages

- Generally suitable for situations with medium to low speeds and light loads.
- The core wire uses glass fiber as a strong layer, which has high strength and excellent flexibility, dynamic winding, and tensile elongation.
- The main body uses special rubber compound with certain oil resistance, dirt resistance, aging resistance and crack resistance.
- Nylon canvas on the tooth surface reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

T-shape Teeth Profile



Dimension

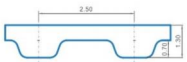
Type	Pitch	Profile Angle	Root Thickness of Teeth	Tooth Height	Root Fillet	Tooth Tip Fillet	Thickness	Teeth Range	Pitch Line Length
	Pb	2y°	s	hg	Radius rr	Radius ra	H		
T2.5	2.5	40	1.50	0.70	0.2	0.2	1.3	42~1460	105.00~3650.00
T5	5		2.65	1.20	0.4	0.4	2.2	33~764	165.00~3820.00
T10	10		5.30	2.50	0.6	0.6	4.5	34~465	340.00~4650.00
T20	20		10.15	5.00	0.8	0.8	8.0	54~84	1080.00~1680.00

Physical and Mechanical Properties

Item		Trapezoidal tooth			
		T2.5	T5	T10	T20
Tensile Strength N/mm ≥		60	80	270	380
Reference Force Elongation	Reference Force N/mm	45	60	220	300
	Elongation%≤	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	5	8	10
Core wire bonding strength N ≥		-	200	600	800
Shear strength of tooth body N/mm ≥		-	50	70	75

T2.5 Timing Belt

T2.5 Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
6mm
10mm
15mm

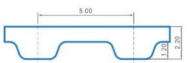
T2.5 Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length
105-T2.5	42	105.0	200-T2.5	80	200.0	305-T2.5	122	305.0	512.5-T2.5	205	512.5
120-T2.5	48	120.0	230-T2.5	92	230.0	335-T2.5	134	335.0	580-T2.5	232	580.0
130-T2.5	52	130.0	245-T2.5	98	245.0	355-T2.5	142	355.0	620-T2.5	248	620.0
145-T2.5	58	145.0	265-T2.5	106	265.0	380-T2.5	152	380.0	625-T2.5	250	625.0
157.5-T2.5	63	157.5	272.5-T2.5	109	272.5	400-T2.5	160	400.0	780-T2.5	312	780.0
160-T2.5	64	160.0	275-T2.5	110	275.0	420-T2.5	168	420.0	1097.5-T2.5	439	1097.5
172.5-T2.5	69	172.5	285-T2.5	114	285.0	480-T2.5	192	480.0	3650-T2.5	1460	3650.0

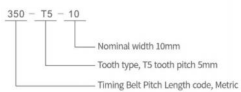
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:T2.5 Timing Belt.

T5 Timing Belt

T5 Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
10mm
15mm
20mm
25mm

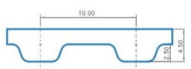
T5 Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length	Specs.	Tooth No	Pitch Line Length
165-T5	33	165	345-T5	69	345	530-T5	106	530	885-T5	177	885
185-T5	37	185	350-T5	70	350	550-T5	110	550	900-T5	180	900
200-T5	40	200	355-T5	71	355	560-T5	112	560	910-T5	182	910
220-T5	44	220	365-T5	73	365	575-T5	115	575	930-T5	186	930
225-T5	45	225	375-T5	75	375	590-T5	118	590	940-T5	188	940
240-T5	48	240	390-T5	78	390	600-T5	120	600	990-T5	198	990
245-T5	49	245	400-T5	80	400	635-T5	127	635	1000-T5	200	1000
250-T5	50	250	410-T5	82	410	640-T5	128	640	1035-T5	207	1035
255-T5	51	255	420-T5	84	420	660-T5	132	660	1100-T5	220	1100
260-T5	52	260	425-T5	85	425	690-T5	138	690	1200-T5	240	1200
270-T5	54	270	435-T5	87	435	705-T5	141	705	1215-T5	243	1215
280-T5	56	280	455-T5	91	455	710-T5	142	710	1420-T5	284	1420
295-T5	59	295	460-T5	92	460	720-T5	144	720	1630-T5	326	1630
300-T5	60	300	470-T5	94	470	750-T5	150	750	1740-T5	348	1740
305-T5	61	305	475-T5	95	475	755-T5	151	755	1820-T5	364	1820
310-T5	62	310	480-T5	96	480	780-T5	156	780	1905-T5	381	1905
320-T5	64	320	490-T5	98	490	800-T5	160	800	1960-T5	392	1960
325-T5	65	325	500-T5	100	500	815-T5	163	815	2000-T5	400	2000
330-T5	66	330	510-T5	102	510	840-T5	168	840	3820-T5	764	3820
340-T5	68	340	525-T5	105	525	880-T5	176	880			

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:T5 Timing Belt.

T10 Timing Belt

T10 Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
15mm
20mm
25mm
30mm
40mm
50mm

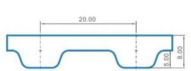
T10 Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
340-T10	34	340
400-T10	40	400
410-T10	41	410
440-T10	44	440
460-T10	46	460
480-T10	48	480
500-T10	50	500
530-T10	53	530
560-T10	56	560
570-T10	57	570
600-T10	60	600
610-T10	61	610
630-T10	63	630
650-T10	65	650
660-T10	66	660
690-T10	69	690
700-T10	70	700
750-T10	75	750
780-T10	78	780
800-T10	80	800
810-T10	81	810
840-T10	84	840
850-T10	85	850
870-T10	87	870
880-T10	88	880
890-T10	89	890
900-T10	90	900
910-T10	91	910
920-T10	92	920
930-T10	93	930
940-T10	94	940
950-T10	95	950
960-T10	96	960
970-T10	97	970
980-T10	98	980
1000-T10	100	1000
1010-T10	101	1010
1020-T10	102	1020
1040-T10	104	1040
1050-T10	105	1050
1080-T10	108	1080
1100-T10	110	1100
1110-T10	111	1110
1120-T10	112	1120
1140-T10	114	1140
1150-T10	115	1150
1200-T10	120	1200
1210-T10	121	1210
1240-T10	124	1240
1250-T10	125	1250
1260-T10	126	1260
1280-T10	128	1280
1300-T10	130	1300
1320-T10	132	1320
1350-T10	135	1350
1390-T10	139	1390
1400-T10	140	1400
1420-T10	142	1420
1460-T10	146	1460
1480-T10	148	1480
1500-T10	150	1500
1560-T10	156	1560
1600-T10	160	1600
1630-T10	163	1630
1640-T10	164	1640
1700-T10	170	1700
1780-T10	178	178
1800-T10	180	180
1880-T10	188	188
1960-T10	196	196
1980-T10	198	198
2020-T10	202	202
2250-T10	225	225
2300-T10	230	230
2380-T10	238	238
2480-T10	248	248
2500-T10	250	250
2510-T10	251	251
2600-T10	260	260
2650-T10	265	265
2800-T10	280	280
3000-T10	300	300
3110-T10	311	311
3500-T10	350	350
3800-T10	380	380
3960-T10	396	396
4050-T10	405	405
4650-T10	465	465

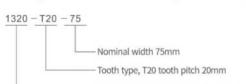
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:T10 Timing Belt.

T20 Timing Belt

T20 Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
32mm
50mm
75mm
100mm
115mm

T20 Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
1080-T20	54	1080
1320-T20	66	1320
1680-T20	84	1680

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:T20 Timing Belt.

HTD Timing Belt

HTD teeth are circular arc teeth, divided into 3M, 5M, 8M, 14M, and 20M according to pitch, and are usually used for high torque and high-precision transmission applications.



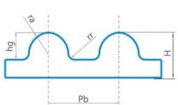
Industry/Application

HTD tooth profile is a relatively traditional tooth profile, known as High Torque Driven in English. This tooth profile is widely used in various industries, such as textiles, machine tools, tobacco, communication cables, light industry, chemical industry, metallurgy, instrumentation, food processing, woodworking, mining, petroleum, office equipment, paper making, vending machines, mechanical tools, sewing machines, automobiles and machinery, medical equipment, semiconductors and other types of transmission mechanisms in various industries.

Features/Advantages

- The circular tooth shape ensures that the meshing surface of the pulley and belt is subjected to more complete forces, reflecting better positioning accuracy.
- Compared to trapezoidal teeth, it has higher transmission torque and transmission capacity.
- The core wire uses glass fiber as a strong layer, which has high strength and excellent flexibility, dynamic winding, and tensile elongation.
- The main use of special rubber compound has certain oil and stain resistance, resistance to weathering, and resistance to cracking.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

Arc-teeth Profile



Dimension

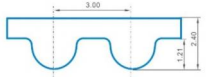
Type	Pitch	Tooth Height	Root Fillet	Tooth Tip Fillet	Thickness	Teeth Range	Pitch Line Length
	Pb	hg	Radius rr	Radius ra	H		
3M	3	1.21	0.30	0.86	2.4	30~1700	90.00~5100.00
5M	5	2.08	0.41	1.50	3.8	35~852	175.00~4260.00
8M	8	3.38	0.76	2.59	6.0	33~640	264.00~5120.00
14M	14	6.02	1.42	4.46	10.0	56~368	784.00~5152.00
20M	20	8.68	2.03	6.40	13.20	100~245	2000.00~4900.00

Physical and Mechanical Properties

Item		Circular Arc Tooth				
		3M	5M	8M	14M	20M
Tensile Strength N/mm ≥		90	160	300	400	520
Reference Force Elongation	Reference Force N/mm	70	130	240	320	410
	Elongation % ≤	4.0	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	6	10	12	15
Core wire bonding strength N ≥		-	400	700	1200	1600
Shear strength of tooth body N/mm ≥		-	50	60	80	100

HTD3M Timing Belt

■ 3M Tooth Profile



■ Timing Belt Product Code Example



■ Timing Belt Standard width

Metric Width
6mm
9mm
12mm
15mm

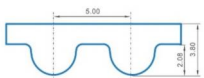
■ 3M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
90-3M	30	90
99-3M	33	99
105-3M	35	105
108-3M	36	108
111-3M	37	111
114-3M	38	114
120-3M	40	120
123-3M	41	123
126-3M	42	126
129-3M	43	129
132-3M	44	132
135-3M	45	135
138-3M	46	138
141-3M	47	141
144-3M	48	144
147-3M	49	147
150-3M	50	150
153-3M	51	153
156-3M	52	156
159-3M	53	159
162-3M	54	162
165-3M	55	165
168-3M	56	168
171-3M	57	171
174-3M	58	174
177-3M	59	177
180-3M	60	180
183-3M	61	183
186-3M	62	186
189-3M	63	189
192-3M	64	192
195-3M	65	195
198-3M	66	198
201-3M	67	201
204-3M	68	204
207-3M	69	207
210-3M	70	210
213-3M	71	213
216-3M	72	216
219-3M	73	219
222-3M	74	222
225-3M	75	225
228-3M	76	228
231-3M	77	231
234-3M	78	234
237-3M	79	237
240-3M	80	240
243-3M	81	243
246-3M	82	246
249-3M	83	249
252-3M	84	252
255-3M	85	255
258-3M	86	258
261-3M	87	261
264-3M	88	264
267-3M	89	267
270-3M	90	270
273-3M	91	273
276-3M	92	276
279-3M	93	279
282-3M	94	282
285-3M	95	285
288-3M	96	288
291-3M	97	291
294-3M	98	294
297-3M	99	297
300-3M	100	300
303-3M	101	303
306-3M	102	306
309-3M	103	309
312-3M	104	312
315-3M	105	315
318-3M	106	318
321-3M	107	321
324-3M	108	324
327-3M	109	327
330-3M	110	330
333-3M	111	333
336-3M	112	336
339-3M	113	339
342-3M	114	342
345-3M	115	345
348-3M	116	348
351-3M	117	351
354-3M	118	354
357-3M	119	357
360-3M	120	360
363-3M	121	363
366-3M	122	366
369-3M	123	369
372-3M	124	372
375-3M	125	375
378-3M	126	378
381-3M	127	381
384-3M	128	384
387-3M	129	387
390-3M	130	390
393-3M	131	393
396-3M	132	396
399-3M	133	399
402-3M	134	402
405-3M	135	405
408-3M	136	408
411-3M	137	411
414-3M	138	414
417-3M	139	417
420-3M	140	420
423-3M	141	423
426-3M	142	426
429-3M	143	429
432-3M	144	432
435-3M	145	435
438-3M	146	438
441-3M	147	441
444-3M	148	444
447-3M	149	447
450-3M	150	450
453-3M	151	453
456-3M	152	456
459-3M	153	459
462-3M	154	462
468-3M	156	468
474-3M	158	474
477-3M	159	477
480-3M	160	480
483-3M	161	483
486-3M	162	486
489-3M	163	489
492-3M	164	492
495-3M	165	495
498-3M	166	498
501-3M	167	501
504-3M	168	504
510-3M	170	510
513-3M	171	513
516-3M	172	516
519-3M	173	519
522-3M	174	522
525-3M	175	525
528-3M	176	528
531-3M	177	531
534-3M	178	534
537-3M	179	537
540-3M	180	540
543-3M	181	543
546-3M	182	546
549-3M	183	549
552-3M	184	552
555-3M	185	555
558-3M	186	558
561-3M	187	561
564-3M	188	564
567-3M	189	567
570-3M	190	570
573-3M	191	573
576-3M	192	576
579-3M	193	579
582-3M	194	582
585-3M	195	585
588-3M	196	588
591-3M	197	591
594-3M	198	594
597-3M	199	597
600-3M	200	600
603-3M	201	603
606-3M	202	606
609-3M	203	609
612-3M	204	612
624-3M	208	624
627-3M	209	627
630-3M	210	630
633-3M	211	633
639-3M	213	639
648-3M	216	648
654-3M	218	654
657-3M	219	657
660-3M	220	660
669-3M	223	669
675-3M	225	675
684-3M	228	684
687-3M	229	687
696-3M	232	696
699-3M	233	699
708-3M	236	708
711-3M	237	711
720-3M	240	720
726-3M	242	726
735-3M	245	735
738-3M	246	738
750-3M	250	750
753-3M	251	753
765-3M	255	765
768-3M	256	768
789-3M	263	789
792-3M	264	792
801-3M	267	801
804-3M	268	804
813-3M	271	813
825-3M	275	825
840-3M	280	840
843-3M	281	843
861-3M	287	861
885-3M	295	885
900-3M	300	900
915-3M	305	915
939-3M	313	939
945-3M	315	945
954-3M	318	954
960-3M	320	960
966-3M	322	966
1002-3M	334	1002
1026-3M	342	1026
1068-3M	356	1068
1071-3M	357	1071
1098-3M	366	1098
1104-3M	368	1104
1125-3M	375	1125
1140-3M	380	1140
1200-3M	400	1200
1209-3M	403	1209
1263-3M	421	1263
1335-3M	445	1335
1344-3M	448	1344
1359-3M	453	1359
1374-3M	458	1374
1569-3M	523	1569
1638-3M	546	1638
1800-3M	600	1800
1863-3M	621	1863
1905-3M	635	1905
1980-3M	660	1980
2001-3M	667	2001
2040-3M	680	2040
2388-3M	796	2388
2640-3M	880	2640
3000-3M	1000	3000
3600-3M	1200	3600
4698-3M	1566	4698
5100-3M	1700	5100

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:HTD3M Timing Belt.

HTD5M Timing Belt

■ 5M Tooth Profile



■ Timing Belt Product Code Example



■ Timing Belt Standard width

Metric Width
9mm
15mm
25mm
30mm

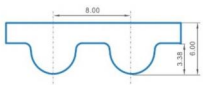
■ 5M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
175-5M	35	175
180-5M	36	180
185-5M	37	185
200-5M	40	200
210-5M	42	210
215-5M	43	215
220-5M	44	220
225-5M	45	225
230-5M	46	230
235-5M	47	235
240-5M	48	240
245-5M	49	245
250-5M	50	250
255-5M	51	255
260-5M	52	260
265-5M	53	265
270-5M	54	270
275-5M	55	275
280-5M	56	280
285-5M	57	285
290-5M	58	290
295-5M	59	295
300-5M	60	300
305-5M	61	305
310-5M	62	310
315-5M	63	315
320-5M	64	320
325-5M	65	325
330-5M	66	330
335-5M	67	335
340-5M	68	340
345-5M	69	345
350-5M	70	350
355-5M	71	355
360-5M	72	360
365-5M	73	365
370-5M	74	370
375-5M	75	375
380-5M	76	380
385-5M	77	385
390-5M	78	390
395-5M	79	395
400-5M	80	400
405-5M	81	405
410-5M	82	410
415-5M	83	415
420-5M	84	420
425-5M	85	425
430-5M	86	430
435-5M	87	435
440-5M	88	440
450-5M	90	450
460-5M	92	460
465-5M	93	465
470-5M	94	470
475-5M	95	475
480-5M	96	480
490-5M	98	490
495-5M	99	495
500-5M	100	500
505-5M	101	505
510-5M	102	510
515-5M	103	515
520-5M	104	520
525-5M	105	525
530-5M	106	530
535-5M	107	535
540-5M	108	540
545-5M	109	545
550-5M	110	550
560-5M	112	560
565-5M	113	565
570-5M	114	570
575-5M	115	575
580-5M	116	580
585-5M	117	585
590-5M	118	590
595-5M	119	595
600-5M	120	600
605-5M	121	605
610-5M	122	610
615-5M	123	615
620-5M	124	620
625-5M	125	625
630-5M	126	630
635-5M	127	635
640-5M	128	640
645-5M	129	645
650-5M	130	650
655-5M	131	655
660-5M	132	660
665-5M	133	665
670-5M	134	670
675-5M	135	675
680-5M	136	680
685-5M	137	685
690-5M	138	690
695-5M	139	695
700-5M	140	700
710-5M	142	710
715-5M	143	715
720-5M	144	720
725-5M	145	725
730-5M	146	730
735-5M	147	735
740-5M	148	740
745-5M	149	745
750-5M	150	750
755-5M	151	755
760-5M	152	760
765-5M	153	765
770-5M	154	770
775-5M	155	775
780-5M	156	780
790-5M	158	790
800-5M	160	800
805-5M	161	805
810-5M	162	810
815-5M	163	815
820-5M	164	820
825-5M	165	825
830-5M	166	830
835-5M	167	835
845-5M	169	845
850-5M	170	850
860-5M	172	860
870-5M	174	870
890-5M	178	890
900-5M	180	900
910-5M	182	910
920-5M	184	920
925-5M	185	925
930-5M	186	930
935-5M	187	935
940-5M	188	940
950-5M	190	950
955-5M	191	955
960-5M	192	960
965-5M	193	965
970-5M	194	970
975-5M	195	975
980-5M	196	980
985-5M	197	985
1000-5M	200	1000
1015-5M	203	1015
1020-5M	204	1020
1025-5M	205	1025
1035-5M	207	1035
1040-5M	208	1040
1050-5M	210	1050
1075-5M	215	1075
1080-5M	216	1080
1100-5M	220	1100
1110-5M	222	1110
1125-5M	225	1125
1135-5M	227	1135
1140-5M	228	1140
1145-5M	229	1145
1150-5M	230	1150
1160-5M	232	1160
1175-5M	235	1175
1180-5M	236	1180
1190-5M	238	1190
1195-5M	239	1195
1200-5M	240	1200
1210-5M	242	1210
1225-5M	245	1225
1235-5M	247	1235
1250-5M	250	1250
1270-5M	254	1270
1290-5M	258	1290
1295-5M	259	1295
1300-5M	260	1300
1310-5M	262	1310
1340-5M	268	1340
1350-5M	270	1350
1380-5M	276	1380
1390-5M	278	1390
1400-5M	280	1400
1420-5M	284	1420
1440-5M	288	1440
1455-5M	291	1455
1490-5M	298	1490
1500-5M	300	1500
1520-5M	304	1520
1530-5M	306	1530
1540-5M	308	1540
1575-5M	315	1575
1595-5M	319	1595
1635-5M	327	1635
1690-5M	338	1690
1700-5M	340	1700
1720-5M	344	1720
1760-5M	352	1760
1800-5M	360	1800
1870-5M	374	1870
1875-5M	375	1875
1895-5M	379	1895
1900-5M	380	1900
1945-5M	389	1945
2000-5M	400	2000
2050-5M	410	2050
2100-5M	420	2100
2250-5M	450	2250
2350-5M	470	2350
2460-5M	492	2460
2500-5M	500	2500
2525-5M	505	2525
2650-5M	530	2650
2670-5M	534	2670
2730-5M	546	2730
2760-5M	552	2760
2800-5M	560	2800
2850-5M	570	2850
3060-5M	612	3060
3070-5M	614	3070
3255-5M	651	3255
3360-5M	672	3360
3470-5M	694	3470
3660-5M	732	3660
3770-5M	754	3770
4260-5M	852	4260

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:HTD5M Timing Belt.

HTD8M Timing Belt

8M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
20mm
25mm
30mm
40mm

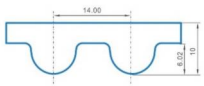
8M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
264-8M	33	264
288-8M	36	288
320-8M	40	320
336-8M	42	336
344-8M	43	344
352-8M	44	352
368-8M	46	368
376-8M	47	376
384-8M	48	384
392-8M	49	392
400-8M	50	400
408-8M	51	408
416-8M	52	416
424-8M	53	424
440-8M	55	440
448-8M	56	448
456-8M	57	456
472-8M	59	472
480-8M	60	480
488-8M	61	488
496-8M	62	496
512-8M	64	512
520-8M	65	520
528-8M	66	528
536-8M	67	536
544-8M	68	544
552-8M	69	552
560-8M	70	560
568-8M	71	568
576-8M	72	576
584-8M	73	584
592-8M	74	592
600-8M	75	600
608-8M	76	608
624-8M	78	624
632-8M	79	632
640-8M	80	640
648-8M	81	648
656-8M	82	656
664-8M	83	664
672-8M	84	672
680-8M	85	680
688-8M	86	688
696-8M	87	696
712-8M	89	712
720-8M	90	720
728-8M	91	728
736-8M	92	736
744-8M	93	744
760-8M	95	760
768-8M	96	768
776-8M	97	776
784-8M	98	784
792-8M	99	792
800-8M	100	800
808-8M	101	808
816-8M	102	816
824-8M	103	824
832-8M	104	832
840-8M	105	840
848-8M	106	848
856-8M	107	856
864-8M	108	864
872-8M	109	872
880-8M	110	880
888-8M	111	888
896-8M	112	896
904-8M	113	904
912-8M	114	912
920-8M	115	920
928-8M	116	928
936-8M	117	936
944-8M	118	944
952-8M	119	952
960-8M	120	960
968-8M	121	968
976-8M	122	976
984-8M	123	984
992-8M	124	992
1000-8M	125	1000
1008-8M	126	1008
1016-8M	127	1016
1024-8M	128	1024
1032-8M	129	1032
1040-8M	130	1040
1048-8M	131	1048
1056-8M	132	1056
1064-8M	133	1064
1072-8M	134	1072
1080-8M	135	1080
1088-8M	136	1088
1096-8M	137	1096
1104-8M	138	1104
1112-8M	139	1112
1120-8M	140	1120
1128-8M	141	1128
1136-8M	142	1136
1144-8M	143	1144
1152-8M	144	1152
1160-8M	145	1160
1168-8M	146	1168
1176-8M	147	1176
1184-8M	148	1184
1192-8M	149	1192
1200-8M	150	1200
1208-8M	151	1208
1216-8M	152	1216
1224-8M	153	1224
1232-8M	154	1232
1240-8M	155	1240
1248-8M	156	1248
1256-8M	157	1256
1264-8M	158	1264
1272-8M	159	1272
1280-8M	160	1280
1288-8M	161	1288
1296-8M	162	1296
1304-8M	163	1304
1312-8M	164	1312
1320-8M	165	1320
1328-8M	166	1328
1336-8M	167	1336
1344-8M	168	1344
1360-8M	170	1360
1368-8M	171	1368
1384-8M	173	1384
1392-8M	174	1392
1400-8M	175	1400
1408-8M	176	1408
1416-8M	177	1416
1424-8M	178	1424
1432-8M	179	1432
1440-8M	180	1440
1448-8M	181	1448
1456-8M	182	1456
1464-8M	183	1464
1480-8M	185	1480
1504-8M	188	1504
1512-8M	189	1512
1520-8M	190	1520
1528-8M	191	1528
1536-8M	192	1536
1552-8M	194	1552
1560-8M	195	1560
1568-8M	196	1568
1576-8M	197	1576
1584-8M	198	1584
1600-8M	200	1600
1608-8M	201	1608
1624-8M	203	1624
1640-8M	205	1640
1648-8M	206	1648
1656-8M	207	1656
1680-8M	210	1680
1696-8M	212	1696
1704-8M	213	1704
1720-8M	215	1720
1728-8M	216	1728
1760-8M	220	1760
1768-8M	221	1768
1776-8M	222	1776
1784-8M	223	1784
1792-8M	224	1792
1800-8M	225	1800
1824-8M	228	1824
1840-8M	230	1840
1848-8M	231	1848
1856-8M	232	1856
1872-8M	234	1872
1880-8M	235	1880
1888-8M	236	1888
1896-8M	237	1896
1904-8M	238	1904
1912-8M	239	1912
1920-8M	240	1920
1936-8M	242	1936
1944-8M	243	1944
1952-8M	244	1952
1960-8M	245	1960
2000-8M	250	2000
2008-8M	251	2008
2016-8M	252	2016
2032-8M	254	2032
2048-8M	256	2048
2056-8M	257	2056
2080-8M	260	2080
2096-8M	262	2096
2104-8M	263	2104
2120-8M	265	2120
2160-8M	270	2160
2172-8M	272	2176
2184-8M	273	2184
2200-8M	275	2200
2208-8M	276	2208
2224-8M	278	2224
2240-8M	280	2240
2248-8M	281	2248
2256-8M	282	2256
2272-8M	284	2272
2304-8M	288	2304
2320-8M	290	2320
2344-8M	293	2344
2352-8M	294	2352
2392-8M	299	2392
2400-8M	300	2400
2488-8M	311	2488
2504-8M	313	2504
2536-8M	317	2536
2560-8M	320	2560
2600-8M	325	2600
2656-8M	332	2656
2688-8M	336	2688
2736-8M	342	2736
2800-8M	350	2800
2840-8M	355	2840
2848-8M	356	2848
2880-8M	360	2880
3048-8M	381	3048
3072-8M	384	3072
3120-8M	390	3120
3168-8M	396	3168
3200-8M	400	3200
3264-8M	408	3264
3280-8M	410	3280
3360-8M	420	3360
3400-8M	425	3400
3408-8M	426	3408
3424-8M	428	3424
3600-8M	450	3600
3824-8M	478	3824
4000-8M	500	4000
4224-8M	528	4224
4400-8M	550	4400
4520-8M	565	4520
4656-8M	582	4656
5120-8M	640	5120

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:HTD8M Timing Belt.

HTD14M Timing Belt

14M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
55mm
85mm
100mm
115mm

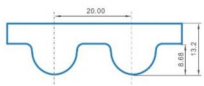
14M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
784-14M	56	784
924-14M	66	924
938-14M	67	938
966-14M	69	966
1036-14M	74	1036
1064-14M	76	1064
1092-14M	78	1092
1120-14M	80	1120
1148-14M	82	1148
1176-14M	84	1176
1190-14M	85	1190
1246-14M	89	1246
1260-14M	90	1260
1288-14M	92	1288
1316-14M	94	1316
1344-14M	96	1344
1358-14M	97	1358
1400-14M	100	1400
1442-14M	103	1442
1456-14M	104	1456
1470-14M	105	1470
1512-14M	108	1512
1540-14M	110	1540
1568-14M	112	1568
1610-14M	115	1610
1638-14M	117	1638
1652-14M	118	1652
1680-14M	120	1680
1736-14M	124	1736
1750-14M	125	1750
1764-14M	126	1764
1778-14M	127	1778
1792-14M	128	1792
1806-14M	129	1806
1848-14M	132	1848
1890-14M	135	1890
1904-14M	136	1904
1946-14M	139	1946
1960-14M	140	1960
1988-14M	142	1988
2002-14M	143	2002
2044-14M	146	2044
2100-14M	150	2100
2198-14M	157	2198
2240-14M	160	2240
2310-14M	165	2310
2338-14M	167	2338
2380-14M	170	2380
2450-14M	175	2450
2520-14M	180	2520
2590-14M	185	2590
2660-14M	190	2660
2688-14M	192	2688
2730-14M	195	2730
2800-14M	200	2800
2940-14M	210	2940
3038-14M	217	3038
3150-14M	225	3150
3220-14M	230	3220
3360-14M	240	3360
3430-14M	245	3430
3486-14M	249	3486
3500-14M	250	3500
3710-14M	265	3710
3780-14M	270	3780
3850-14M	275	3850
4004-14M	286	4004
4102-14M	293	4102
4256-14M	304	4256
4284-14M	306	4284
4326-14M	309	4326
4564-14M	326	4564
4578-14M	327	4578
4956-14M	354	4956
5152-14M	368	5152

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:HTD14M Timing Belt.

HTD20M Timing Belt

20M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
115mm
170mm
230mm

20M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
2000-20M	100	2000
2500-20M	125	2500
3000-20M	150	3000
3400-20M	170	3400
4200-20M	210	4200
4600-20M	230	4600
4900-20M	245	4900

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:HTD20M Timing Belt.

STD Timing Belt

STD teeth are circular arc teeth, divided into S2M, S3M, S4.5M, S5M, S8M, S14M according to pitch, usually used for high torque and high-precision transmission applications.



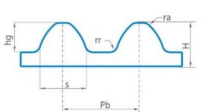
Industry/Application

STD profile is an improved profile of HTD, belonging to high torque drive profile. Widely used in various industries, such as textiles, machine tools, tobacco, communication cables, light industry, chemical industry, metallurgy, instrumentation, food processing, woodworking, mining, petroleum, office equipment, paper making, vending machines, mechanical tools, FA automation equipment and other industries and types of transmission mechanisms.

Features/Advantages

- The smaller volume of the circular arc tooth profile reduces the stress between the belt teeth, and the smaller tooth profile S2M reflects better positioning accuracy while taking into account the complete force on the meshing surface of the pulley and belt teeth.
- Compared to trapezoidal teeth, it has higher transmission torque, transmission power, and transmission capacity.
- The top of the belt teeth is flat, which improves the air damping caused by high-speed meshing between the belt teeth and the gear teeth, and enhances the transmission efficiency.
- The core wire uses glass fiber rope as a strong layer, which has high strength and excellent flexibility, dynamic winding, and tensile elongation.
- The main body is made of special rubber compound, which has certain oil resistance, dirt resistance, aging resistance and crack resistance.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

S Type Teeth Profile



Dimension

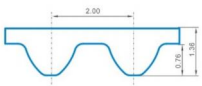
Type	Pitch	Root Thickness of Teeth	Tooth Height	Root Fillet	Tooth Tip Fillet	Thickness	Teeth Range	Pitch Line Length
	Pb	S	hg	Radius rr	Radius ra	H		
S2M	2	1.3	0.76	0.20	0.20	1.36	44~1914	88.00~3828.00
S3M	3	1.95	1.14	0.30	0.30	1.94	29~1500	87.00~4500.00
S4.5M	4.5	2.93	1.71	0.45	0.45	2.70	40~201	180.00~904.50
S5M	5	3.25	1.91	0.50	0.50	3.41	36~800	180.00~4000.00
S8M	8	5.20	3.05	0.80	0.80	5.30	44~660	352.00~5280.00
S14M	14	9.10	5.30	1.40	1.40	10.2	69~322	966.00~4508.00

Physical and Mechanical Properties

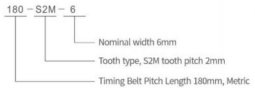
Item		Arc-teeth					
		S2M	S3M	S4.5M	S5M	S8M	S14M
Tensile Strength N/mm ≥		60	90	160	160	300	400
Reference Force Elongation	Reference Force N/mm	45	70	130	130	240	320
	Elongation %≤	4.0	4.0	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	-	6	6	10	12
Core wire bonding strength N ≥		-	-	400	400	700	1200
Shear strength of tooth body N/mm ≥		-	-	50	50	60	80

S2M Timing Belt

S2M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
4mm
6mm
10mm

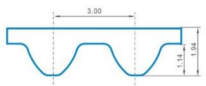
S2M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
88-S2M	44	88
90-S2M	45	90
94-S2M	47	94
96-S2M	48	96
98-S2M	49	98
100-S2M	50	100
102-S2M	51	102
104-S2M	52	104
106-S2M	53	106
112-S2M	56	112
114-S2M	57	114
116-S2M	58	116
120-S2M	60	120
124-S2M	62	124
126-S2M	63	126
130-S2M	65	130
132-S2M	66	132
134-S2M	67	134
136-S2M	68	136
142-S2M	71	142
144-S2M	72	144
146-S2M	73	146
150-S2M	75	150
152-S2M	76	152
156-S2M	78	156
160-S2M	80	160
164-S2M	82	164
166-S2M	83	166
168-S2M	84	168
172-S2M	86	172
176-S2M	88	176
180-S2M	90	180
182-S2M	91	182
186-S2M	93	186
188-S2M	94	188
190-S2M	95	190
192-S2M	96	192
194-S2M	97	194
200-S2M	100	200
202-S2M	101	202
204-S2M	102	204
208-S2M	104	208
210-S2M	105	210
212-S2M	106	212
214-S2M	107	214
218-S2M	109	218
220-S2M	110	220
224-S2M	112	224
226-S2M	113	226
230-S2M	115	230
236-S2M	118	236
240-S2M	120	240
244-S2M	122	244
250-S2M	125	250
252-S2M	126	252
256-S2M	128	256
260-S2M	130	260
266-S2M	133	266
268-S2M	134	268
270-S2M	135	270
274-S2M	137	274
276-S2M	138	276
278-S2M	139	278
280-S2M	140	280
284-S2M	142	284
286-S2M	143	286
288-S2M	144	288
290-S2M	145	290
292-S2M	146	292
296-S2M	148	296
302-S2M	151	302
306-S2M	153	306
308-S2M	154	308
314-S2M	157	314
320-S2M	160	320
322-S2M	161	322
324-S2M	162	324
330-S2M	165	330
334-S2M	167	334
336-S2M	168	336
340-S2M	170	340
344-S2M	172	344
354-S2M	177	354
356-S2M	178	356
360-S2M	180	360
364-S2M	182	364
370-S2M	185	370
376-S2M	188	376
380-S2M	190	380
386-S2M	193	386
390-S2M	195	390
392-S2M	196	392
396-S2M	198	396
400-S2M	200	400
410-S2M	205	410
420-S2M	210	420
426-S2M	213	426
436-S2M	218	436
440-S2M	220	440
448-S2M	224	448
452-S2M	226	452
460-S2M	230	460
480-S2M	240	480
486-S2M	243	486
492-S2M	246	492
494-S2M	247	494
498-S2M	249	498
500-S2M	250	500
502-S2M	251	502
504-S2M	252	504
518-S2M	259	518
520-S2M	260	520
530-S2M	265	530
556-S2M	278	556
560-S2M	280	560
570-S2M	285	570
578-S2M	289	578
580-S2M	290	580
586-S2M	293	586
594-S2M	297	594
600-S2M	300	600
604-S2M	302	604
606-S2M	303	606
610-S2M	305	610
630-S2M	315	630
688-S2M	344	688
726-S2M	363	726
754-S2M	377	754
800-S2M	400	800
810-S2M	405	810
848-S2M	424	848
896-S2M	448	896
980-S2M	490	980
984-S2M	492	984
996-S2M	498	996
998-S2M	499	998
1002-S2M	501	1002
1004-S2M	502	1004
1016-S2M	508	1016
1036-S2M	518	1036
1224-S2M	612	1224
1424-S2M	712	1424
1432-S2M	716	1432
1624-S2M	812	1624
1632-S2M	816	1632
1824-S2M	912	1824
2024-S2M	1012	2024
2148-S2M	1074	2148
3000-S2M	1500	3000
3672-S2M	1836	3672
3828-S2M	1914	3828

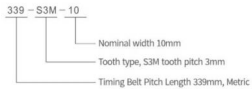
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:S2M Timing Belt.

S3M Timing Belt

S3M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
6mm
10mm
15mm

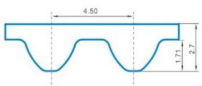
S3M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
87-S3M	29	87
111-S3M	37	111
123-S3M	41	123
129-S3M	43	129
138-S3M	46	138
144-S3M	48	144
150-S3M	50	150
153-S3M	51	153
159-S3M	53	159
162-S3M	54	162
165-S3M	55	165
171-S3M	57	171
174-S3M	58	174
177-S3M	59	177
180-S3M	60	180
183-S3M	61	183
186-S3M	62	186
189-S3M	63	189
192-S3M	64	192
195-S3M	65	195
201-S3M	67	201
204-S3M	68	204
207-S3M	69	207
210-S3M	70	210
213-S3M	71	213
216-S3M	72	216
219-S3M	73	219
222-S3M	74	222
225-S3M	75	225
228-S3M	76	228
231-S3M	77	231
234-S3M	78	234
237-S3M	79	237
240-S3M	80	240
243-S3M	81	243
246-S3M	82	246
249-S3M	83	249
252-S3M	84	252
255-S3M	85	255
261-S3M	87	261
264-S3M	88	264
267-S3M	89	267
270-S3M	90	270
276-S3M	92	276
279-S3M	93	279
282-S3M	94	282
288-S3M	96	288
294-S3M	98	294
297-S3M	99	297
300-S3M	100	300
309-S3M	103	309
312-S3M	104	312
318-S3M	106	318
324-S3M	108	324
327-S3M	109	327
330-S3M	110	330
336-S3M	112	336
339-S3M	113	339
345-S3M	115	345
354-S3M	118	354
357-S3M	119	357
360-S3M	120	360
366-S3M	122	366
369-S3M	123	369
375-S3M	125	375
378-S3M	126	378
384-S3M	128	384
390-S3M	130	390
393-S3M	131	393
396-S3M	132	396
402-S3M	134	402
405-S3M	135	405
408-S3M	136	408
420-S3M	140	420
432-S3M	144	432
435-S3M	145	435
438-S3M	146	438
447-S3M	149	447
450-S3M	150	450
453-S3M	151	453
456-S3M	152	456
459-S3M	153	459
465-S3M	155	465
468-S3M	156	468
471-S3M	157	471
474-S3M	158	474
480-S3M	160	480
486-S3M	162	486
489-S3M	163	489
498-S3M	166	498
501-S3M	167	501
504-S3M	168	504
507-S3M	169	507
510-S3M	170	510
519-S3M	173	519
522-S3M	174	522
525-S3M	175	525
537-S3M	179	537
540-S3M	180	540
564-S3M	188	564
570-S3M	190	570
573-S3M	191	573
591-S3M	197	591
600-S3M	200	600
612-S3M	204	612
633-S3M	211	633
645-S3M	215	645
657-S3M	219	657
660-S3M	220	660
693-S3M	231	693
699-S3M	233	699
741-S3M	247	741
756-S3M	252	756
768-S3M	256	768
780-S3M	260	780
783-S3M	261	783
804-S3M	268	804
810-S3M	270	810
840-S3M	280	840
888-S3M	296	888
900-S3M	300	900
909-S3M	303	909
918-S3M	306	918
924-S3M	308	924
927-S3M	309	927
948-S3M	316	948
999-S3M	333	999
1005-S3M	335	1005
1014-S3M	338	1014
1050-S3M	350	1050
1056-S3M	352	1056
1062-S3M	354	1062
1080-S3M	360	1080
1110-S3M	370	1110
1146-S3M	382	1146
1188-S3M	396	1188
1203-S3M	401	1203
1245-S3M	415	1245
1263-S3M	421	1263
1290-S3M	430	1290
1422-S3M	474	1422
1461-S3M	487	1461
1500-S3M	500	1500
1611-S3M	537	1611
1788-S3M	596	1788
1800-S3M	600	1800
1884-S3M	628	1884
3324-S3M	1108	3324
4020-S3M	1340	4020
4500-S3M	1500	4500

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:S3M Timing Belt.

S4.5M Timing Belt

S4.5M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
10mm
15mm
25mm

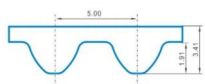
S4.5M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
180-S4.5M	40	180.0
225-S4.5M	50	225.0
252-S4.5M	56	252.0
274.5-S4.5M	61	274.5
283.5-S4.5M	63	283.5
297-S4.5M	66	297.0
315-S4.5M	70	315.0
324-S4.5M	72	324.0
333-S4.5M	74	333.0
337.5-S4.5M	75	337.5
342-S4.5M	76	342.0
346.5-S4.5M	77	346.5
351-S4.5M	78	351.0
360-S4.5M	80	360.0
369-S4.5M	82	369.0
382.5-S4.5M	85	382.5
396-S4.5M	88	396.0
414-S4.5M	92	414.0
450-S4.5M	100	450.0
486-S4.5M	108	486.0
490.5-S4.5M	109	490.5
499.5-S4.5M	111	499.5
504-S4.5M	112	504.0
540-S4.5M	120	540.0
558-S4.5M	124	558.0
630-S4.5M	140	630.0
652.5-S4.5M	145	652.5
711-S4.5M	158	711.0
801-S4.5M	178	801.0
864-S4.5M	192	864.0
904.5-S4.5M	201	904.5

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:S4.5M Timing Belt.

S5M Timing Belt

S5M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

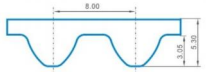
Metric Width
10mm
15mm
25mm

S5M Timing Belt Specification Sheet

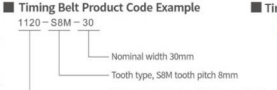
Specs.	Tooth No	Pitch Line Length
180-S5M	36	180
225-S5M	45	225
240-S5M	48	240
255-S5M	51	255
260-S5M	52	260
275-S5M	55	275
280-S5M	56	280
295-S5M	59	295
300-S5M	60	300
305-S5M	61	305
310-S5M	62	310
320-S5M	64	320
325-S5M	65	325
330-S5M	66	330
335-S5M	67	335
340-S5M	68	340
345-S5M	69	345
350-S5M	70	350
355-S5M	71	355
360-S5M	72	360
370-S5M	74	370
375-S5M	75	375
380-S5M	76	380
390-S5M	78	390
400-S5M	80	400
410-S5M	82	410
415-S5M	83	415
420-S5M	84	420
425-S5M	85	425
435-S5M	87	435
440-S5M	88	440
445-S5M	89	445
450-S5M	90	450
455-S5M	91	455
460-S5M	92	460
470-S5M	94	470
475-S5M	95	475
480-S5M	96	480
490-S5M	98	490
500-S5M	100	500
515-S5M	103	515
520-S5M	104	520
525-S5M	105	525
550-S5M	110	550
560-S5M	112	560
565-S5M	113	565
575-S5M	115	575
595-S5M	119	595
600-S5M	120	600
615-S5M	123	615
625-S5M	125	625
635-S5M	127	635
645-S5M	129	645
650-S5M	130	650
655-S5M	131	655
660-S5M	132	660
665-S5M	133	665
670-S5M	134	670
675-S5M	135	675
690-S5M	138	690
695-S5M	139	695
700-S5M	140	700
710-S5M	142	710
740-S5M	148	740
750-S5M	150	750
755-S5M	151	755
760-S5M	152	760
770-S5M	154	770
780-S5M	156	780
800-S5M	160	800
810-S5M	162	810
825-S5M	165	825
830-S5M	166	830
835-S5M	167	835
850-S5M	170	850
865-S5M	173	865
880-S5M	176	880
890-S5M	178	890
900-S5M	180	900
905-S5M	181	905
940-S5M	188	940
950-S5M	190	950
960-S5M	192	960
975-S5M	195	975
1000-S5M	200	1000
1025-S5M	205	1025
1050-S5M	210	1050
1100-S5M	220	1100
1115-S5M	223	1115
1125-S5M	225	1125
1135-S5M	227	1135
1145-S5M	229	1145
1160-S5M	232	1160
1180-S5M	236	1180
1195-S5M	239	1195
1200-S5M	240	1200
1225-S5M	245	1225
1250-S5M	250	1250
1270-S5M	254	1270
1295-S5M	259	1295
1350-S5M	270	1350
1420-S5M	284	1420
1475-S5M	295	1475
1500-S5M	300	1500
1510-S5M	302	1510
1530-S5M	306	1530
1550-S5M	310	1550
1595-S5M	319	1595
1600-S5M	320	1600
1615-S5M	323	1615
1685-S5M	337	1685
1690-S5M	338	1690
1765-S5M	353	1765
1800-S5M	360	1800
1960-S5M	392	1960
2000-S5M	400	2000
2525-S5M	505	2525
2800-S5M	560	2800
4000-S5M	800	4000

S8M Timing Belt

S8M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
15mm
25mm
30mm
40mm

S8M Timing Belt Specification Sheet

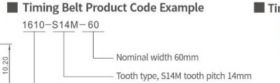
Specs.	Tooth No	Pitch Line Length
352-S8M	44	352
376-S8M	47	376
400-S8M	50	400
424-S8M	53	424
432-S8M	54	432
440-S8M	55	440
464-S8M	58	464
480-S8M	60	480
496-S8M	62	496
512-S8M	64	512
520-S8M	65	520
528-S8M	66	528
560-S8M	70	560
584-S8M	73	584
592-S8M	74	592
600-S8M	75	600
616-S8M	77	616
624-S8M	78	624
632-S8M	79	632
640-S8M	80	640
656-S8M	82	656
664-S8M	83	664
672-S8M	84	672
680-S8M	85	680
704-S8M	88	704
712-S8M	89	712
720-S8M	90	720
752-S8M	94	752
760-S8M	95	760
776-S8M	97	776
792-S8M	99	792
800-S8M	100	800
816-S8M	102	816
824-S8M	103	824
840-S8M	105	840
848-S8M	106	848
880-S8M	110	880
888-S8M	111	888
896-S8M	112	896
904-S8M	113	904
920-S8M	115	920
944-S8M	118	944
960-S8M	120	960
976-S8M	122	976
984-S8M	123	984
992-S8M	124	992
1000-S8M	125	1000
1008-S8M	126	1008
1016-S8M	127	1016
1024-S8M	128	1024
1032-S8M	129	1032
1040-S8M	130	1040
1056-S8M	132	1056
1064-S8M	133	1064
1072-S8M	134	1072
1080-S8M	135	1080
1088-S8M	136	1088
1096-S8M	137	1096
1120-S8M	140	1120
1128-S8M	141	1128
1136-S8M	142	1136
1144-S8M	143	1144
1152-S8M	144	1152
1160-S8M	145	1160
1168-S8M	146	1168
1184-S8M	148	1184
1200-S8M	150	1200
1216-S8M	152	1216
1224-S8M	153	1224
1240-S8M	155	1240
1248-S8M	156	1248
1256-S8M	157	1256
1264-S8M	158	1264
1280-S8M	160	1280
1296-S8M	162	1296
1304-S8M	163	1304
1312-S8M	164	1312
1320-S8M	165	1320
1328-S8M	166	1328
1344-S8M	168	1344
1352-S8M	169	1352
1360-S8M	170	1360
1376-S8M	172	1376
1384-S8M	173	1384
1400-S8M	175	1400
1424-S8M	178	1424
1440-S8M	180	1440
1480-S8M	185	1480
1512-S8M	189	1512
1520-S8M	190	1520
1544-S8M	193	1544
1552-S8M	194	1552
1600-S8M	200	1600
1624-S8M	203	1624
1640-S8M	205	1640
1648-S8M	206	1648
1680-S8M	210	1680
1688-S8M	211	1688
1728-S8M	216	1728
1760-S8M	220	1760
1776-S8M	222	1776
1792-S8M	224	1792
1800-S8M	225	1800
1832-S8M	229	1832
1840-S8M	230	1840
1856-S8M	232	1856
1880-S8M	235	1880
1896-S8M	237	1896
1904-S8M	238	1904
1920-S8M	240	1920
1952-S8M	244	1952
1960-S8M	245	1960
2000-S8M	250	2000
2032-S8M	254	2032
2040-S8M	255	2040
2048-S8M	256	2048
2056-S8M	257	2056
2080-S8M	260	2080
2120-S8M	265	2120
2136-S8M	267	2136
2160-S8M	270	2160
2200-S8M	275	2200
2240-S8M	280	2240
2296-S8M	287	2296
2304-S8M	288	2304
2400-S8M	300	2400
2496-S8M	312	2496
2504-S8M	313	2504
2600-S8M	325	2600
2704-S8M	338	2704
2800-S8M	350	2800
2848-S8M	356	2848
2880-S8M	360	2880
2904-S8M	363	2904
3200-S8M	400	3200
3280-S8M	410	3280
3304-S8M	413	3304
3400-S8M	425	3400
3440-S8M	430	3440
3600-S8M	450	3600
3720-S8M	465	3720
4000-S8M	500	4000
4400-S8M	550	4400
5280-S8M	660	5280

S14M Timing Belt

S14M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
40mm
55mm
60mm
85mm
100mm
115mm

S14M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
966-S14M	69	966
1008-S14M	72	1008
1120-S14M	80	1120
1190-S14M	85	1190
1246-S14M	89	1246
1288-S14M	92	1288
1344-S14M	96	1344
1358-S14M	97	1358
1400-S14M	100	1400
1456-S14M	104	1456
1470-S14M	105	1470
1512-S14M	108	1512
1540-S14M	110	1540
1610-S14M	115	1610
1652-S14M	118	1652
1750-S14M	125	1750
1764-S14M	126	1764
1778-S14M	127	1778
1806-S14M	129	1806
1890-S14M	135	1890
1904-S14M	136	1904
1932-S14M	138	1932
2002-S14M	143	2002
2100-S14M	150	2100
2156-S14M	154	2156
2240-S14M	160	2240
2310-S14M	165	2310
2338-S14M	167	2338
2380-S14M	170	2380
2450-S14M	175	2450
2506-S14M	179	2506
2590-S14M	185	2590
2800-S14M	200	2800
3136-S14M	224	3136
3150-S14M	225	3150
3248-S14M	232	3248
3360-S14M	240	3360
3500-S14M	250	3500
3850-S14M	275	3850
4004-S14M	286	4004
4060-S14M	290	4060
4326-S14M	309	4326
4410-S14M	315	4410
4508-S14M	322	4508

G Type Teeth Profile

G-type teeth is a circular arc tooth, which is divided into G2M, G3M, G5M, and 8YU according to the pitch. It is usually used for high torque and high-precision transmission applications.



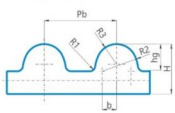
Industry/Application

G-tooth profile is an improved tooth profile of HTD, which belongs to high-precision and high torque drive tooth profile and is also a representative tooth profile for efficient conveying. Widely used in office equipment, paper making, packaging equipment, vending machines, financial equipment, mechanical tools, intelligent logistics, robots, FA automation equipment, household appliances, and new intelligent electronic products.

Features/Advantages

- The smaller volume circular arc tooth profile, based on the HTD tooth profile, has been further improved in terms of the size of the circular arc. Due to the increased stress on the tooth profile mating surface of the pulley and belt, it demonstrates excellent positioning accuracy.
- Compared to trapezoidal teeth, it has higher transmission torque and transmission capacity.
- The core wire uses glass fiber as a strong layer, which has high strength and excellent flexibility, dynamic winding, and tensile elongation.
- The main body is made of special rubber compound, which has certain oil resistance, dirt resistance, aging resistance and crack resistance.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

G Type Teeth Profile



Dimension

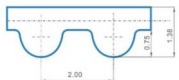
Type	Pitch	Tooth Height	Root Fillet	Side Arc	Tooth Tip Fillet	b	Thickness	Teeth Range	Pitch Line Length
	Pb	hg	Radius R1	Radius R2	Radius R3		H		
G2M	2.0	0.75	0.15	1.00	0.555	0.4	1.38	44~2008	88.00~4016.00
G3M	3.0	1.14	0.25	1.52	0.85	0.61	2.40	46~1000	138.00~3000.00
G5M	5.0	1.93	0.51	2.54	1.37	1.03	3.80	45~900	225.00~4500.00
8YU	8.0	3.02	1.08	3.80	2.10	1.43	5.00	65~368	520.00~2944.00

Physical and Mechanical Properties

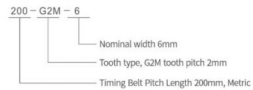
Item		Arc-teeth			
		G2M	G3M	G5M	8YU
Tensile Strength N/mm ≥		60	90	160	300
Reference Force Elongation	Reference Force N/mm	45	70	130	240
	Elongation%≤	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	-	6	10
Core wire bonding strength N ≥		-	-	400	700
Shear strength of tooth body N/mm ≥		-	-	50	60

G2M Timing Belt

G2M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
4mm
6mm
9mm

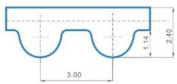
G2M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
88-G2M	44	88
90-G2M	45	90
92-G2M	46	92
94-G2M	47	94
96-G2M	48	96
98-G2M	49	98
100-G2M	50	100
102-G2M	51	102
104-G2M	52	104
106-G2M	53	106
110-G2M	55	110
112-G2M	56	112
118-G2M	59	118
120-G2M	60	120
122-G2M	62	124
126-G2M	63	126
130-G2M	65	130
132-G2M	66	132
136-G2M	68	136
142-G2M	71	142
144-G2M	72	144
148-G2M	74	148
152-G2M	76	152
158-G2M	79	158
160-G2M	80	160
166-G2M	83	166
170-G2M	85	170
174-G2M	87	174
176-G2M	88	176
178-G2M	89	178
182-G2M	91	182
184-G2M	92	184
186-G2M	93	186
188-G2M	94	188
190-G2M	95	190
192-G2M	96	192
194-G2M	97	194
196-G2M	98	196
198-G2M	99	198
200-G2M	100	200
202-G2M	101	202
204-G2M	102	204
206-G2M	103	206
208-G2M	104	208
210-G2M	105	210
212-G2M	106	212
214-G2M	107	214
216-G2M	108	216
218-G2M	109	218
220-G2M	110	220
222-G2M	111	222
224-G2M	112	224
226-G2M	113	226
228-G2M	114	228
230-G2M	115	230
232-G2M	116	232
234-G2M	117	234
236-G2M	118	236
238-G2M	119	238
240-G2M	120	240
242-G2M	121	242
244-G2M	122	244
246-G2M	123	246
248-G2M	124	248
250-G2M	125	250
252-G2M	126	252
254-G2M	127	254
256-G2M	128	256
258-G2M	129	258
260-G2M	130	260
262-G2M	131	262
264-G2M	132	264
266-G2M	133	266
268-G2M	134	268
270-G2M	135	270
272-G2M	136	272
274-G2M	137	274
276-G2M	138	276
278-G2M	139	278
280-G2M	140	280
282-G2M	141	282
284-G2M	142	284
286-G2M	143	286
288-G2M	144	288
290-G2M	145	290
292-G2M	146	292
294-G2M	147	294
298-G2M	149	298
300-G2M	150	300
302-G2M	151	302
304-G2M	152	304
306-G2M	153	306
308-G2M	154	308
310-G2M	155	310
312-G2M	156	312
314-G2M	157	314
316-G2M	158	316
318-G2M	159	318
320-G2M	160	320
322-G2M	161	322
324-G2M	162	324
326-G2M	163	326
328-G2M	164	328
330-G2M	165	330
332-G2M	166	332
334-G2M	167	334
336-G2M	168	336
338-G2M	169	338
340-G2M	170	340
342-G2M	171	342
344-G2M	172	344
346-G2M	173	346
348-G2M	174	348
350-G2M	175	350
352-G2M	176	352
354-G2M	177	354
356-G2M	178	356
358-G2M	179	358
360-G2M	180	360
362-G2M	181	362
364-G2M	182	364
366-G2M	183	366
368-G2M	184	368
370-G2M	185	370
372-G2M	186	372
374-G2M	187	374
376-G2M	188	376
378-G2M	189	378
380-G2M	190	380
382-G2M	191	382
384-G2M	192	384
386-G2M	193	386
388-G2M	194	388
390-G2M	195	390
392-G2M	196	392
394-G2M	197	394
396-G2M	198	396
398-G2M	199	398
400-G2M	200	400
406-G2M	203	406
408-G2M	204	408
410-G2M	205	410
420-G2M	210	420
426-G2M	213	426
428-G2M	214	428
430-G2M	215	430
436-G2M	218	436
440-G2M	220	440
444-G2M	222	444
446-G2M	223	446
448-G2M	224	448
450-G2M	225	450
454-G2M	227	454
460-G2M	230	460
466-G2M	233	466
468-G2M	234	468
470-G2M	235	470
476-G2M	238	476
478-G2M	239	478
480-G2M	240	480
484-G2M	242	484
488-G2M	244	488
490-G2M	245	490
492-G2M	246	492
494-G2M	247	494
500-G2M	250	500
506-G2M	253	506
516-G2M	258	516
520-G2M	260	520
524-G2M	262	524
528-G2M	264	528
530-G2M	265	530
532-G2M	266	532
540-G2M	270	540
544-G2M	272	544
550-G2M	275	550
558-G2M	279	558
562-G2M	281	562
570-G2M	285	570
578-G2M	289	578
586-G2M	293	586
588-G2M	294	588
600-G2M	300	600
606-G2M	303	606
610-G2M	305	610
616-G2M	308	616
618-G2M	309	618
622-G2M	311	622
630-G2M	315	630
634-G2M	317	634
640-G2M	320	640
650-G2M	325	650
656-G2M	328	656
660-G2M	330	660
670-G2M	335	670
676-G2M	338	676
686-G2M	343	686
690-G2M	345	690
696-G2M	348	696
700-G2M	350	700
702-G2M	351	702
710-G2M	355	710
724-G2M	362	724
726-G2M	363	726
730-G2M	365	730
738-G2M	369	738
740-G2M	370	740
750-G2M	375	750
752-G2M	376	752
760-G2M	380	760
770-G2M	385	770
782-G2M	391	782
784-G2M	392	784
800-G2M	400	800
810-G2M	405	810
824-G2M	412	824
840-G2M	420	840
848-G2M	424	848
850-G2M	425	850
852-G2M	426	852
860-G2M	430	860
888-G2M	444	888
892-G2M	446	892
900-G2M	450	900
928-G2M	464	928
930-G2M	465	930
940-G2M	470	940
950-G2M	475	950
960-G2M	480	960
992-G2M	496	992
994-G2M	497	994
1000-G2M	500	1000
1040-G2M	520	1040
1078-G2M	539	1078
1086-G2M	543	1086
1100-G2M	550	1100
1110-G2M	555	1110
1136-G2M	568	1136
1140-G2M	570	1140
1142-G2M	571	1142
1144-G2M	572	1144
1164-G2M	582	1164
1180-G2M	590	1180
1210-G2M	605	1210
1220-G2M	610	1220
1272-G2M	636	1272
1280-G2M	640	1280
1340-G2M	670	1340
1442-G2M	721	1442
1444-G2M	722	1444
1512-G2M	756	1512
1524-G2M	762	1524
1810-G2M	905	1810
1910-G2M	955	1910
2000-G2M	1000	2000
2190-G2M	1095	2190
2200-G2M	1100	2200
3000-G2M	1500	3000
3008-G2M	1504	3008
3600-G2M	1800	3600
4016-G2M	2008	4016

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:G2M Timing Belt.

G3M Timing Belt

G3M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
6mm
9mm
15mm

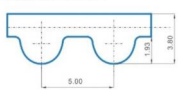
G3M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
138-G3M	46	138
201-G3M	67	201
204-G3M	68	204
207-G3M	69	207
225-G3M	75	225
231-G3M	77	231
240-G3M	80	240
249-G3M	83	249
252-G3M	84	252
276-G3M	92	276
282-G3M	94	282
285-G3M	95	285
288-G3M	96	288
300-G3M	100	300
315-G3M	105	315
330-G3M	110	330
333-G3M	111	333
336-G3M	112	336
384-G3M	128	384
420-G3M	140	420
426-G3M	142	426
480-G3M	160	480
495-G3M	165	495
513-G3M	171	513
540-G3M	180	540
552-G3M	184	552
654-G3M	218	654
3000-G3M	1000	3000

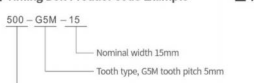
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:G3M Timing Belt.

G5M Timing Belt

G5M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
9mm
12mm
15mm
20mm
25mm
30mm
40mm

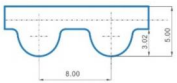
G5M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
225-G5M	45	225
240-G5M	48	240
275-G5M	55	275
280-G5M	56	280
320-G5M	64	320
340-G5M	68	340
360-G5M	72	360
390-G5M	78	390
415-G5M	83	415
420-G5M	84	420
425-G5M	85	425
450-G5M	90	450
490-G5M	98	490
500-G5M	100	500
530-G5M	106	530
575-G5M	115	575
680-G5M	136	680
700-G5M	140	700
710-G5M	142	710
750-G5M	150	750
800-G5M	160	800
810-G5M	162	810
830-G5M	166	830
850-G5M	170	850
860-G5M	172	860
880-G5M	176	880
920-G5M	184	920
950-G5M	190	950
960-G5M	192	960
1090-G5M	218	1090
1400-G5M	280	1400
1530-G5M	306	1530
2910-G5M	582	2910
4500-G5M	900	4500

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:G5M Timing Belt.

8YU Timing Belt

8YU Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
15mm
20mm
25mm

8YU Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
520-8YU	65	520
600-8YU	75	600
616-8YU	77	616
640-8YU	80	640
680-8YU	85	680
720-8YU	90	720
728-8YU	91	728
760-8YU	95	760
768-8YU	96	768
784-8YU	98	784
800-8YU	100	800
832-8YU	104	832
840-8YU	105	840
856-8YU	107	856
864-8YU	108	864
872-8YU	109	872
880-8YU	110	880
888-8YU	111	888
904-8YU	113	904
912-8YU	114	912
920-8YU	115	920
936-8YU	117	936
944-8YU	118	944
960-8YU	120	960
976-8YU	122	976
984-8YU	123	984
1000-8YU	125	1000
1016-8YU	127	1016
1032-8YU	129	1032
1040-8YU	130	1040
1056-8YU	132	1056
1064-8YU	133	1064
1072-8YU	134	1072
1080-8YU	135	1080
1096-8YU	137	1096
1112-8YU	139	1112
1120-8YU	140	1120
1136-8YU	142	1136
1176-8YU	147	1176
1184-8YU	148	1184
1192-8YU	149	1192
1200-8YU	150	1200
1216-8YU	152	1216
1224-8YU	153	1224
1248-8YU	156	1248
1256-8YU	157	1256
1264-8YU	158	1264
1280-8YU	160	1280
1296-8YU	162	1296
1312-8YU	164	1312
1320-8YU	165	1320
1336-8YU	167	1336
1344-8YU	168	1344
1376-8YU	172	1376
1400-8YU	175	1400
1456-8YU	182	1456
1520-8YU	190	1520
1656-8YU	207	1656
1720-8YU	215	1720
2000-8YU	250	2000
2600-8YU	325	2600
2944-8YU	368	2944

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:8YU Timing Belt.

P Type Teeth Profile

P type tooth is a circular arc tooth, also known as a parabolic tooth type, which is divided into P3M, P5M, P8M, and P14M according to the pitch. It is usually used for high torque and high-precision transmission applications.



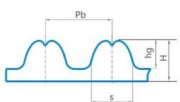
Industry/Application

P tooth profile belongs to high-precision and high torque drive tooth profile, and is also a representative tooth profile for high-speed motion. Widely used in industries such as textiles, office equipment, paper making, automobiles, motorcycles, sanding machines, sterilizers, conveyors, annealing furnaces, bonding machines, dryers, inkjet printers, packaging machinery, food machinery, mining equipment, etc.

Features/Advantages

- The characteristic of its arc-shaped tooth top groove is that it can discharge compressed air, which has unique advantages in transmission noise reduction.
- Compared to trapezoidal teeth, it has higher transmission torque and transmission capacity.
- The core wire uses glass fiber as the strength layer, which has high strength, excellent flexibility, dynamic winding and tensile extensibility.
- The main body uses special rubber compound, which has certain oil and dirt resistance, anti-aging and crack resistance.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and low noise; Has a certain anti-static ability.

Parabolic Teeth Profile



Dimension

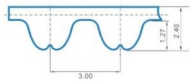
Type	Pitch	Root Thickness of Teeth	Tooth Height	Thickness	Teeth Range	Pitch Line Length
	Pb	S	hg	H		
P3M	3	1.95	1.27	2.40	58~162	174.00~486.00
P5M	5	3.33	2.15	3.80	45~736	225.00~3680.00
P8M	8	5.49	3.50	5.40	60~550	480.00~4400.00
P14M	14	9.61	6.13	9.70	69~240	966.00~3360.00

Physical and Mechanical Properties

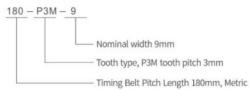
Item		Circular Arc Tooth			
		P3M	P5M	P8M	P14M
Tensile Strength N/mm ≥		90	160	300	400
Reference Force Elongation	Reference Force N/mm	70	130	240	320
	Elongation % ≤	4.0	4.0	4.0	4.0
Adhesive strength of tooth & cloth N/mm ≥		-	6	10	12
Core wire bonding strength N ≥		-	400	700	1200
Shear strength of tooth body N/mm ≥		-	50	60	80

P3M Timing Belt

P3M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
6mm
9mm
15mm

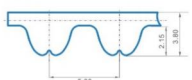
P3M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
174-P3M	58	174
180-P3M	60	180
195-P3M	65	195
207-P3M	69	207
213-P3M	71	213
255-P3M	85	255
270-P3M	90	270
300-P3M	100	300
390-P3M	130	390
405-P3M	135	405
420-P3M	140	420
486-P3M	162	486

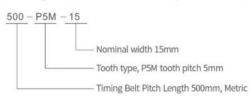
Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:P3M Timing Belt.

P5M Timing Belt

P5M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
9mm
15mm
25mm

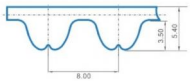
P5M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
225-P5M	45	225
245-P5M	49	245
420-P5M	84	420
500-P5M	100	500
510-P5M	102	510
525-P5M	105	525
535-P5M	107	535
540-P5M	108	540
565-P5M	113	565
575-P5M	115	575
600-P5M	120	600
650-P5M	130	650
800-P5M	160	800
850-P5M	170	850
900-P5M	180	900
1000-P5M	200	1000
1240-P5M	248	1240
1595-P5M	319	1595
2000-P5M	400	2000
2160-P5M	432	2160
2250-P5M	450	2250
2590-P5M	518	2590
2680-P5M	536	2680
2725-P5M	545	2725
2790-P5M	558	2790
2890-P5M	578	2890
2990-P5M	598	2990
3060-P5M	612	3060
3360-P5M	672	3360
3500-P5M	700	3500
3680-P5M	736	3680

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:P5M Timing Belt.

P8M Timing Belt

P8M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
15mm
20mm
25mm
30mm
40mm

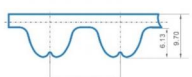
P8M Timing Belt Specification Sheet

Specs.	Tooth No	Pitch Line Length
480-P8M	60	480
600-P8M	75	600
640-P8M	80	640
800-P8M	100	800
840-P8M	105	840
896-P8M	112	896
920-P8M	115	920
960-P8M	120	960
1000-P8M	125	1000
1032-P8M	129	1032
1040-P8M	130	1040
1056-P8M	132	1056
1064-P8M	133	1064
1080-P8M	135	1080
1096-P8M	137	1096
1120-P8M	140	1120
1136-P8M	142	1136
1160-P8M	145	1160
1200-P8M	150	1200
1280-P8M	160	1280
1424-P8M	178	1424
1600-P8M	200	1600
1760-P8M	220	1760
1904-P8M	238	1904
2000-P8M	250	2000
2064-P8M	258	2064
2320-P8M	290	2320
2400-P8M	300	2400
2496-P8M	312	2496
2552-P8M	319	2552
2600-P8M	325	2600
2680-P8M	335	2680
2720-P8M	340	2720
2800-P8M	350	2800
2880-P8M	360	2880
2920-P8M	365	2920
3048-P8M	381	3048
3200-P8M	400	3200
3304-P8M	413	3304
3344-P8M	418	3344
3400-P8M	425	3400
3600-P8M	450	3600
3712-P8M	464	3712
4272-P8M	534	4272
4400-P8M	550	4400

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:P8M Timing Belt.

P14M Timing Belt

P14M Tooth Profile



Timing Belt Product Code Example



Timing Belt Standard width

Metric Width
40mm
55mm
85mm
115mm
170mm

P14M Timing Belt Specification Sheet

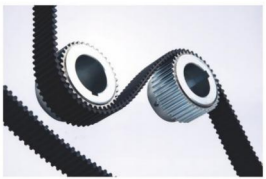
Specs.	Tooth No	Pitch Line Length
966-P14M	69	966
1176-P14M	84	1176
1246-P14M	89	1246
1400-P14M	100	1400
1610-P14M	115	1610
1764-P14M	126	1764
1778-P14M	127	1778
1820-P14M	130	1820
1848-P14M	132	1848
1862-P14M	133	1862
2030-P14M	145	2030
2968-P14M	212	2968
3360-P14M	240	3360

Note: For more specifications of Timing Belt, please refer to the official website www.herz-tech.com Search Keywords:P14M Timing Belt.

Double-Sided Toothed Timing Belts

Industry/Application

Double sided toothed timing belts are widely recognized and applied in industries such as machinery, textile precision instruments, petrochemicals, communication cables, etc. due to their lightweight structure, slip free meshing transmission, and low noise.

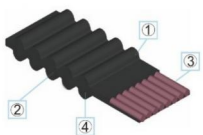


Features/Advantages

- By integrating the advantages of gear transmission, chain transmission, and belt transmission, it overcomes the disadvantages of slip and elongation of other transmission belts;
- Constant speed ratio, wide speed range, compact structure, suitable for multi axis transmission, oil and moisture resistance, no need for lubrication;
- Widely applicable in various fields, it demonstrates its excellence in high demand transmission applications such as belt transmission with opposite transmission direction, compact installation position, and linkage between main and auxiliary transmission;
- High curvature, high strength, low elongation, high precision, low noise.

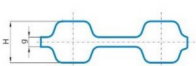
Structure and Materials

Material	
① Tooth Surface Protective Layer	Nylon Canvas
② Main Rubber	Chloroprene Rubber (CR)
③ Core Wire	Glass Fiber
④ Tooth Surface Protective Layer	Nylon Canvas



Trapezoidal Double-Sided Toothed Timing Belt

DA-XL/L/H/XH Trapezoidal double-sided toothed timing belt



Example of Timing Belt Model

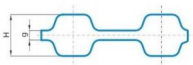


Example Of Timing Belt Model And Specifications

Type	g	H	Spec.	Pitch Line Length	Teeth Range
DA-XL	0.508	3.05	120XL～1020XL	304.80～2590.80	60～510
DA-L	0.762	4.58	217L～1200L	552.45～3048.00	58～306
DA-H	1.372	5.95	220H～2000H	558.80～5080.00	44～400
DA-XH	1.397	14.10	464XH～1750XH	1177.93～4445.00	53～200

T Double-Sided Toothed Timing Belts

DA-T5/T10 T Double-Sided Toothed Profile



Example Of Timing Belt Model

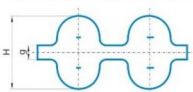


Example Of Timing Belt Model And Specifications

Type	g	H	Spec.	Pitch Line Length	Teeth Range
DA-T5	0.91	3.4	550T5～3820T5	550.00～3820.00	110～764
DA-T10	1.84	7.0	560T10～4650T10	560.00～4650.00	56～465

HTD Circular Arc Double-sided Toothed Timing Belts

DA-3M/5M/8M/14M Double-Sided Toothed Profile



Example Of Timing Belt Model

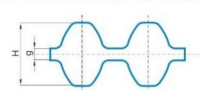


Example Of Timing Belt Model And Specifications

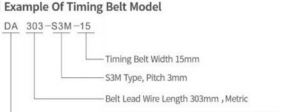
Type	g	H	Spec.	Pitch Line Length	Teeth Range
DA-3M	0.760	3.10	300-3M～5100-3M	300.00～5100.00	100～1700
DA-5M	1.143	5.26	475-5M～4260-5M	475.00～4260.00	95～852
DA-8M	1.372	7.90	552-8M～5120-8M	552.00～5120.00	69～640
DA-14M	2.800	14.84	1036-14M～5152-14M	1036.00～5152.00	74～368

STD Circular Arc Double Sided Toothed Timing Belts

DA-S3M/S5M/S8M/S14M Double-Sided Toothed Profile



Example Of Timing Belt Model



Example Of Timing Belt Model And Specifications

Type	g	H	Spec.	Pitch Line Length	Teeth Range
DA-S3M	0.762	3.04	300-S3M～4500-S3M	300.00～4500.00	100～1500
DA-S5M	0.960	4.25	430-S5M～4000-S5M	430.00～4000.00	86～800
DA-S8M	1.372	7.48	552-S8M～5280-S8M	552.00～5280.00	69～660
DA-S14M	2.800	12.36	1008-S14M～4508-S14M	1008.00～4508.00	72～322

Rubber Open Timing Belt

Rubber open timing belts, including trapezoidal toothed timing belts, T-shaped toothed timing belts, HTD timing belts, STD timing belts, P-type timing belts, and G-toothed timing belts with different tooth types, can be used for linear reciprocating transmission, long-distance positioning transmission, and long-distance high-precision conveying. They have the advantages of achieving low noise and maintenance free operation.



Market/Application

Rubber open timing belt, which needs to be used in conjunction with toothed plate products, is used for linear reciprocating motion, long-distance positioning transmission, and long-distance high-precision conveying. It is commonly used in industries such as vending machines, automatic doors, modules, digital printing, 3D printing, etc.

Features/Advantages

- High performance rubber material is used, which has certain oil resistance, dirt resistance, aging resistance and tear resistance.
- The skeleton material is glass fiber or aramid, which has high strength, high flexibility, low elongation and other characteristics.
- Tooth surface nylon canvas reduces operating noise and increases belt life.
- Accurate transmission ratio, smooth transmission, fast speed, and certain anti-static ability.
- Strong replaceability, open timing belt, easy to disassemble and replace consumables.

Timing Belt Product No. Example

20 – 8M – 100M

- 20 – Length (Unit: Meter)
- 8M – Type
- 100M – Width (Unit: mm)

Rubber Open timing Belt Specification

Trapezoidal Teeth Open Timing Belt

Type	Standard Width (mm)	Inch Width	Roll Length (m)
MXL	6.4	025	285
	7.9	031	230
	9.5	037	190
	12.7	050	140
XL	6.4	025	175
	7.9	031	140
	9.5	037	115
	12.7	050	85
L	9.5	037	135
	12.7	050	100
	19.1	075	65
	25.4	100	45
H	12.7	050	155
	19.1	075	100
	25.4	100	75

HTD Type Teeth Open Timing Belt

Type	Standard Width (mm)	Roll Length (m)
3M	6	295
	9	195
	10	175
	12	145
	15	115
5M	9	205
	10	185
	12	150
	15	120
	20	90
8M	10	170
	12	140
	15	110
	18	90
	20	80

Rubber Open Timing Belt

T-shape Teeth Open Timing Belt

Type	Standard Width (mm)	Roll Length (m)
T2.5	6	265
	9	175
	10	155
T5	10	165
	15	105
	20	80
T10	10	200
	15	130
	20	95

P Type Teeth Open Timing Belt

Type	Standard Width (mm)	Roll Length (m)
P3M	10	160
	15	105
P5M	9	175
	10	160
	15	105
	20	75
P8M	10	185
	12	155
	15	120
	18	100
	20	90

STD Type Teeth Open Timing Belt

Type	Standard Width (mm)	Roll Length (m)
S2M	6	280
	9	185
	10	165
	12	135
	15	105
S3M	6	295
	9	195
	10	175
	12	145
	15	115
S5M	9	195
	10	175
	15	115
	20	85
S8M	10	170
	12	140
	15	110
	18	90
	20	80

G Type Teeth Open Timing Belt

Type	Standard Width (mm)	Roll Length (m)
G2M	6	265
	9	175
	10	155
	12	130
G3M	6	270
	9	175
	15	105
G5M	9	220
	10	195
	15	125
	20	90
8YU	10	150
	12	125
	15	100
	18	80
	20	70

RUBBER V BELT



Agricultural V belt (Wrapped)

Market/Application

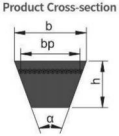
High horsepower, large feeding capacity, rice, corn, wheat harvesters and other agricultural machinery, mining machinery, engineering machinery, etc.



Features/Advantages

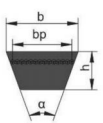
- Double wide-angle flexible fabric, increasing the wear resistance and flexibility of the belt body, and improving its service life.
- High strength aramid rope, low elongation, excellent adhesion performance, ensuring smooth transmission.
- Bottom adhesive fiber reinforcement, belt reinforcement, increased load-bearing capacity, less prone to breakage.
- Special structural design, with high rigidity, resistance to high loads, and resistance to slipping.
- Formula optimization, low heat generation, high and low temperature resistance, good fatigue resistance, long service life.
- Wear resistant, oil resistant, and aging resistant.

Product Cross-section Diagram

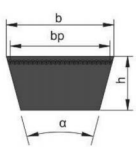


Product specifications

Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
HB	17	14	11	40	1140-6000
HC	22	19	14	40	1140-6000



Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
SB	17	14	9	40	1140-6000
SC	22	19	11	40	1140-6000



Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
HI	25.4	23.6	12.7	30	2000-6000
HK	38.1	35.5	17.5	30	2000-6000
HM	50.8	47.3	22.2	30	2000-6000

Agricultural Banded V-belt (Wrapped)

Market/Application

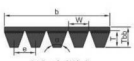
High horsepower, large feeding capacity, rice, corn, wheat harvesters and other agricultural machinery, mining machinery, engineering machinery, etc.



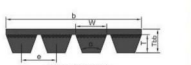
Features/Advantages

- Double wide-angle flexible fabric, increasing the wear resistance and flexibility of the belt body, and improving its service life.
- High strength aramid rope, low elongation, excellent adhesion performance, ensuring smooth transmission.
- Bottom adhesive fiber reinforcement, belt reinforcement, increased load-bearing capacity, less prone to breakage.
- Special structural design, with high rigidity, resistance to high loads, and resistance to slipping.
- Formula optimization, low heat generation, high and low temperature resistance, good fatigue resistance, long service life.
- Wear resistant, oil resistant, and aging resistant.
- Smooth operation, compared to multiple combinations, the overall transmission effect of the combined belt is good, and it is not easy to flip, shake, or drop.

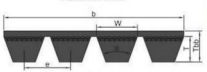
Product Cross-section Diagram



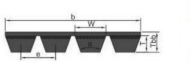
9J Banded V belt



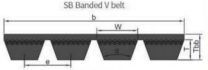
HB Banded V belt



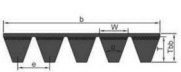
HC Banded V belt



SB Banded V belt



SC Banded V belt



5V Banded V belt

Product Specifications

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
9J-5	50.5	9.7	10.3	9.7	7.9	40

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
2HB	36.1	13	19.05	17	10	40
3HB	55.1	13	19.05	17	10	40
4HB	74.1	13	19.05	17	10	40
2HC	47.8	17	25.4	22.4	14	40
3HC	73.2	17	25.4	22.4	14	40
4HC	98.6	17	25.4	22.4	14	40

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
2SB	36.1	11	19.05	17	9	40
3SB	55.1	11	19.05	17	9	40
4SB	74.1	11	19.05	17	9	40
2SC	47.8	14	25.4	22.4	11	40
3SC	73.2	14	25.4	22.4	11	40
4SC	98.6	14	25.4	22.4	11	40

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
5V-4	68.2	15.7	17.5	15.7	14	40
5V-5	85.7	15.7	17.5	15.7	14	40

Agricultural V belt (Cogged)

Market/Application

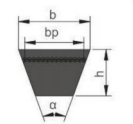
High horsepower and large feeding capacity agricultural machinery such as rice, corn, and wheat harvesters; Mining machinery, automotive engine transmission; Engineering machinery such as air compressors, compressors, and electric motors.

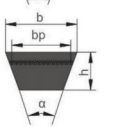


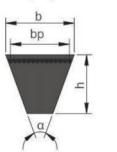
Features/Advantages

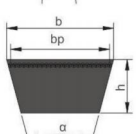
- The top is made of flexible wide-angle fabric to improve the reverse bending flexibility of the belt.
- The skeleton is made of high modulus polyester or aramid wire rope, which has a large load-bearing capacity, low elongation, and is not easy to slip.
- The main structure is reinforced with fibers, which have high rigidity, are not easily deformed, and have high durability.
- Excellent tooth profile design, low heat generation during operation, resistance to flexural fatigue, long lifespan, and reduced maintenance frequency.
- High belt speed, up to 50m/s
- CR material works in an environment of -30 °C~100 °C, while EPDM material can operate smoothly in an environment of -40 °C~120 °C.

Product Cross-section Diagram









Product Specifications

Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
HB	17	14	11	40	1100-4500
HC	22	19	14	40	1100-4500
HD	32	27	19	40	1500-4500

Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
SB	17	14	9	40	1100-4500
SC	22	19	11	40	1100-4500

Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
XPB	16.3	14	14	40	1100-4500
XPC	22	19	18	40	1100-4500

Type	Width b	Width bp	Height h	Angle α	Length Range
	mm	mm	mm	°	mm
HI	25.4	23.6	12.7	30	2000-4500
HK	38.1	35.5	17.5	30	2000-4500
HM	50.8	47.3	22.2	30	2000-4500
HN	57.2	53.2	23.9	30	2000-4500
HO	63.5	59.1	25.4	30	2000-4500

Agricultural Banded V belt (Cogged)

Market/Application

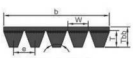
High horsepower and large feeding capacity agricultural machinery such as rice, corn, and wheat harvesters; Mining machinery, automotive engine transmission; Engineering machinery such as air compressors, compressors, and electric motors.



Features/Advantages

- The top is made of flexible wide-angle fabric to improve the reverse bending flexibility of the belt.
- The skeleton is made of high modulus polyester or aramid wire rope, which has a large load-bearing capacity, low elongation, and is not easy to slip.
- The main structure is reinforced with fibers, which have high rigidity, are not easily deformed, and have high durability.
- Excellent tooth profile design, low heat generation during operation, resistance to flexural fatigue, long lifespan, and reduced maintenance frequency.
- High belt speed, up to 50m/s
- CR material works in an environment of -30 °C~100 °C, while EPDM material can operate smoothly in an environment of -40 °C~120 °C.
- Compared with multiple combinations, the combined belt has a better overall transmission effect and is not easy to flip, shake, or drop.

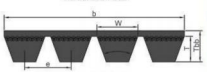
Product Cross-section Diagram



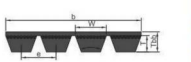
9J Banded V belt



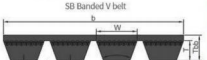
HB Banded V belt



HC Banded V belt



SB Banded V belt



SC Banded V belt

Product Specifications

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
9J-5	50.5	9.7	10.3	9.7	7.9	40

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
2HB	36.1	13	19.05	17	10	40
3HB	55.1	13	19.05	17	10	40
4HB	74.1	13	19.05	17	10	40
2HC	47.8	17	25.4	22.4	14	40
3HC	73.2	17	25.4	22.4	14	40
4HC	98.6	17	25.4	22.4	14	40

Type	Width b	Total Height Tbb	Pitch e	Single Width W	Single Height T	Angle α
	mm	mm	mm	mm	mm	°
2SB	36.1	11	19.05	17	9	40
3SB	55.1	11	19.05	17	9	40
4SB	74.1	11	19.05	17	9	40
2SC	47.8	14	25.4	22.4	11	40
3SC	73.2	14	25.4	22.4	11	40
4SC	98.6	14	25.4	22.4	11	40

Industrial V belt (Cogged)

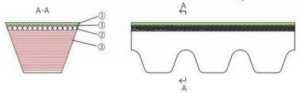
Market/Application

Widely used in various industrial fields of mechanical equipment, such as air compressors, fans, garden machinery, textile machinery, CNC machine tools, etc. Compared to ordinary industrial cloth belts, edge cutting belts have excellent temperature and wear resistance, oil resistance, and significantly improved transmission efficiency, especially in small wheel transmission systems.



Structure/Composition

① Rubber impregnated flexible polyester cotton canvas.
② High modulus low shrinkage polyester core wire.
③ Fiber reinforced composite compression layer rubber.



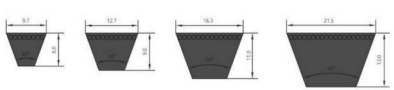
Features/Advantages

- The belt has strong resistance to high and low temperatures, with a wide temperature range of -40 ℃~120 ℃.
- The bottom adopts a cast tooth structure, which generates low heat during operation and is suitable for operating small pulleys.
- Using advanced edge cutting and forming technology to avoid slipping and wear.
- The unique structural design enhances the tensile strength, giving the belt high flexibility, high load capacity, and low elongation.
- The strong bonding force between the core rope and rubber enables the belt to evenly distribute the load force, maintain stable operation, and avoid premature fatigue damage.

Dimension

Type	Width b	Height h	Angle α
	mm	mm	°
ZX	9.7	8.0	40
AX	12.7	9.0	40
BX	16.3	11.0	40
CX	21.5	13.0	40

Sectional Figure

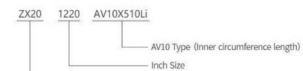


Product No. Example

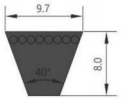


Industrial V belt (Cogged) - ZX Series

Product No. Example



Sectional Figure



ZX Specifications

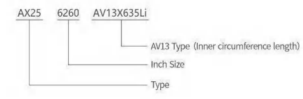
Type	Inch Size	Inner circumference Length	Reference Length	AV10 Corresponding Specifications
		Li/mm	Ld/mm	
ZX19	1210	485	520	AV10X485Li
ZX20	1220	510	545	AV10X510Li
ZX21	1230	535	570	AV10X535Li
ZX22	1240	560	595	AV10X560Li
ZX23	1250	585	620	AV10X585Li
ZX24	1260	610	645	AV10X610Li
ZX25	1270	635	670	AV10X635Li
ZX26	1280	660	695	AV10X660Li
ZX27	1290	685	720	AV10X685Li
ZX28	1300	710	745	AV10X710Li
ZX29	1310	735	770	AV10X735Li
ZX30	1320	760	795	AV10X760Li
ZX31	1330	785	820	AV10X785Li
ZX32	1340	815	850	AV10X815Li
ZX33	1350	840	875	AV10X840Li
ZX34	1360	865	900	AV10X865Li
ZX35	1370	890	925	AV10X890Li
ZX36	1380	915	950	AV10X915Li
ZX37	1390	940	975	AV10X940Li
ZX38	1400	965	1000	AV10X965Li
ZX39	1410	990	1025	AV10X990Li
ZX40	1420	1015	1050	AV10X1015Li
ZX41	1430	1040	1075	AV10X1040Li
ZX42	1440	1065	1100	AV10X1065Li
ZX43	1450	1090	1125	AV10X1090Li
ZX44	1460	1120	1155	AV10X1120Li
ZX45	1470	1145	1180	AV10X1145Li
ZX46	1480	1170	1205	AV10X1170Li
ZX47	1490	1195	1230	AV10X1195Li
ZX48	1500	1220	1255	AV10X1220Li
ZX49	1510	1245	1280	AV10X1245Li
ZX50	1520	1270	1305	AV10X1270Li
ZX51	1530	1295	1330	AV10X1295Li
ZX52	1540	1320	1355	AV10X1320Li
ZX53	1550	1345	1380	AV10X1345Li
ZX54	1560	1370	1405	AV10X1370Li
ZX55	1570	1395	1430	AV10X1395Li
ZX56	1580	1420	1455	AV10X1420Li
ZX57	1590	1450	1485	AV10X1450Li
ZX58	1600	1475	1510	AV10X1475Li
ZX59	1610	1500	1535	AV10X1500Li
ZX60	1620	1525	1560	AV10X1525Li
ZX61	1630	1550	1585	AV10X1550Li
ZX62	1640	1575	1610	AV10X1575Li
ZX63	1650	1600	1635	AV10X1600Li
ZX64	1660	1625	1660	AV10X1625Li
ZX65	1670	1650	1685	AV10X1650Li
ZX66	1680	1675	1710	AV10X1675Li
ZX67	1690	1700	1735	AV10X1700Li
ZX68	1700	1725	1760	AV10X1725Li
ZX69	1710	1755	1790	AV10X1755Li

Type	Inch Size	Inner circumference Length	Reference Length	AV10 Corresponding Specifications
		Li/mm	Ld/mm	
ZX70	1720	1780	1815	AV10X1780Li
ZX71	1730	1805	1840	AV10X1805Li
ZX72	1740	1830	1865	AV10X1830Li
ZX73	1750	1855	1890	AV10X1855Li
ZX74	1760	1880	1915	AV10X1880Li
ZX75	1770	1905	1940	AV10X1905Li
ZX76	1780	1930	1965	AV10X1930Li
ZX77	1790	1955	1990	AV10X1955Li
ZX78	1800	1980	2015	AV10X1980Li
ZX79	1810	2005	2040	AV10X2005Li
ZX80	1820	2030	2065	AV10X2030Li
ZX81	1830	2055	2090	AV10X2055Li
ZX82	1840	2085	2120	AV10X2085Li
ZX83	1850	2110	2145	AV10X2110Li
ZX84	1860	2135	2170	AV10X2135Li
ZX85	1870	2160	2195	AV10X2160Li
ZX86	1880	2185	2220	AV10X2185Li
ZX87	1890	2210	2245	AV10X2210Li
ZX88	1900	2235	2270	AV10X2235Li
ZX89	1910	2260	2295	AV10X2260Li
ZX90	1920	2285	2320	AV10X2285Li
ZX91	1930	2310	2345	AV10X2310Li
ZX92	1940	2335	2370	AV10X2335Li
ZX93	1950	2360	2395	AV10X2360Li
ZX94	1960	2390	2425	AV10X2390Li
ZX95	1970	2415	2450	AV10X2415Li
ZX96	1980	2440	2475	AV10X2440Li
ZX97	1990	2465	2500	AV10X2465Li
ZX98	12000	2490	2525	AV10X2490Li
ZX99	12010	2515	2550	AV10X2515Li
ZX100	12020	2540	2575	AV10X2540Li
ZX101	12030	2565	2600	AV10X2565Li
ZX102	12040	2590	2625	AV10X2590Li
ZX103	12050	2615	2650	AV10X2615Li
ZX104	12060	2640	2675	AV10X2640Li
ZX105	12070	2665	2700	AV10X2665Li
ZX106	12080	2690	2725	AV10X2690Li
ZX107	12090	2720	2755	AV10X2720Li
ZX108	12100	2745	2780	AV10X2745Li
ZX109	12110	2770	2805	AV10X2770Li
ZX110	12120	2795	2830	AV10X2795Li
ZX111	12130	2820	2855	AV10X2820Li
ZX112	12140	2845	2880	AV10X2845Li
ZX113	12150	2870	2905	AV10X2870Li
ZX114	12160	2895	2930	AV10X2895Li
ZX115	12170	2920	2955	AV10X2920Li
ZX116	12180	2945	2980	AV10X2945Li
ZX117	12190	2970	3005	AV10X2970Li
ZX118	12200	2995	3030	AV10X2995Li
ZX119	12210	3025	3060	AV10X3025Li
ZX120	12220	3050	3085	AV10X3050Li

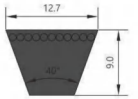
Type	Inch Size	Inner circumference Length	Reference Length	AV10 Corresponding Specifications
		Li/mm	Ld/mm	
ZX121	12230	3075	3110	AV10X3075Li
ZX122	12240	3100	3135	AV10X3100Li
ZX123	12250	3125	3160	AV10X3125Li
ZX124	12260	3150	3185	AV10X3150Li
ZX125	12270	3175	3210	AV10X3175Li
ZX126	12280	3200	3235	AV10X3200Li
ZX127	12290	3225	3260	AV10X3225Li
ZX128	12300	3250	3285	AV10X3250Li
ZX129	12310	3275	3310	AV10X3275Li
ZX130	12320	3300	3335	AV10X3300Li
ZX131	12330	3325	3360	AV10X3325Li
ZX132	12340	3355	3390	AV10X3355Li
ZX133	12350	3380	3415	AV10X3380Li
ZX134	12360	3405	3440	AV10X3405Li
ZX135	12370	3430	3465	AV10X3430Li
ZX136	12380	3455	3490	AV10X3455Li
ZX137	12390	3480	3515	AV10X3480Li
ZX138	12400	3505	3540	AV10X3505Li
ZX139	12410	3530	3565	AV10X3530Li
ZX140	12420	3555	3590	AV10X3555Li
ZX141	12430	3580	3615	AV10X3580Li
ZX142	12440	3605	3640	AV10X3605Li
ZX143	12450	3630	3665	AV10X3630Li
ZX144	12460	3660	3695	AV10X3660Li
ZX145	12470	3685	3720	AV10X3685Li
ZX146	12480	3710	3745	AV10X3710Li
ZX147	12490	3735	3770	AV10X3735Li
ZX148	12500	3760	3795	AV10X3760Li
ZX149	12510	3785	3820	AV10X3785Li
ZX150	12520	3810	3845	AV10X3810Li
ZX151	12530	3835	3870	AV10X3835Li
ZX152	12540	3860	3895	AV10X3860Li
ZX153	12550	3885	3920	AV10X3885Li
ZX154	12560	3910	3945	AV10X3910Li
ZX155	12570	3935	3970	AV10X3935Li
ZX156	12580	3960	3995	AV10X3960Li
ZX157	12590	3990	4025	AV10X3990Li
ZX158	12600	4015	4050	AV10X4015Li
ZX159	12610	4040	4075	AV10X4040Li
ZX160	12620	4065	4100	AV10X4065Li
ZX161	12630	4090	4125	AV10X4090Li
ZX162	12640	4115	4150	AV10X4115Li
ZX163	12650	4140	4175	AV10X4140Li
ZX164	12660	4165	4200	AV10X4165Li
ZX165	12670	4190	4225	AV10X4190Li
ZX166	12680	4215	4250	AV10X4215Li
ZX167	12690	4240	4275	AV10X4240Li
ZX168	12700	4265	4300	AV10X4265Li
ZX169	12710	4295	4330	AV10X4295Li
ZX170	12720	4320	4355	AV10X4320Li

Industrial V belt (Cogged) - AX Series

Product No. Example



Sectional Figure

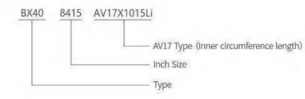


AX Specifications

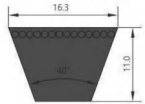
Type	Inch Size	Inner circumference length	Reference Length	AV13 Corresponding Specifications
		Li/mm	Ld/mm	
AX19	6200	485	522	AV13X485Li
AX20	6210	510	547	AV13X510Li
AX21	6220	535	572	AV13X535Li
AX22	6230	560	597	AV13X560Li
AX23	6240	585	622	AV13X585Li
AX24	6250	610	647	AV13X610Li
AX25	6260	635	672	AV13X635Li
AX26	6270	660	697	AV13X660Li
AX27	6280	685	722	AV13X685Li
AX28	6290	710	747	AV13X710Li
AX29	6300	735	772	AV13X735Li
AX30	6310	760	797	AV13X760Li
AX31	6320	785	822	AV13X785Li
AX32	6330	815	852	AV13X815Li
AX33	6340	840	877	AV13X840Li
AX34	6350	865	902	AV13X865Li
AX35	6360	890	927	AV13X890Li
AX36	6370	915	952	AV13X915Li
AX37	6380	940	977	AV13X940Li
AX38	6390	965	1002	AV13X965Li
AX39	6400	990	1027	AV13X990Li
AX40	6410	1015	1052	AV13X1015Li
AX41	6420	1040	1077	AV13X1040Li
AX42	6430	1065	1102	AV13X1065Li
AX43	6440	1090	1127	AV13X1090Li
AX44	6450	1115	1152	AV13X1115Li
AX45	6460	1145	1182	AV13X1145Li
AX46	6470	1170	1207	AV13X1170Li
AX47	6480	1195	1232	AV13X1195Li
AX48	6490	1220	1257	AV13X1220Li
AX49	6500	1245	1282	AV13X1245Li
AX50	6510	1270	1307	AV13X1270Li
AX51	6520	1295	1332	AV13X1295Li
AX52	6530	1320	1357	AV13X1320Li
AX53	6540	1345	1382	AV13X1345Li
AX54	6550	1370	1407	AV13X1370Li
AX55	6560	1395	1432	AV13X1395Li
AX56	6570	1420	1457	AV13X1420Li
AX57	6580	1450	1487	AV13X1450Li
AX58	6590	1475	1512	AV13X1475Li
AX59	6600	1500	1537	AV13X1500Li
AX60	6610	1525	1562	AV13X1525Li
AX61	6620	1550	1587	AV13X1550Li
AX62	6630	1575	1612	AV13X1575Li
AX63	6640	1600	1637	AV13X1600Li
AX64	6650	1625	1662	AV13X1625Li
AX65	6660	1650	1687	AV13X1650Li
AX66	6670	1675	1712	AV13X1675Li
AX67	6680	1700	1737	AV13X1700Li
AX68	6690	1725	1762	AV13X1725Li
AX69	6700	1755	1792	AV13X1755Li
AX70	6710	1780	1817	AV13X1780Li
AX71	6720	1805	1815	AV13X1805Li
AX72	6730	1830	1840	AV13X1830Li
AX73	6740	1855	1865	AV13X1855Li
AX74	6750	1880	1890	AV13X1880Li
AX75	6760	1905	1915	AV13X1905Li
AX76	6770	1930	1940	AV13X1930Li
AX77	6780	1955	1965	AV13X1955Li
AX78	6790	1980	1990	AV13X1980Li
AX79	6800	2005	2015	AV13X2005Li
AX80	6810	2030	2040	AV13X2030Li
AX81	6820	2055	2065	AV13X2055Li
AX82	6830	2085	2090	AV13X2085Li
AX83	6840	2110	2120	AV13X2110Li
AX84	6850	2135	2145	AV13X2135Li
AX85	6860	2160	2170	AV13X2160Li
AX86	6870	2185	2195	AV13X2185Li
AX87	6880	2210	2220	AV13X2210Li
AX88	6890	2235	2245	AV13X2235Li
AX89	6900	2260	2270	AV13X2260Li
AX90	6910	2285	2295	AV13X2285Li
AX91	6920	2310	2320	AV13X2310Li
AX92	6930	2335	2345	AV13X2335Li
AX93	6940	2360	2370	AV13X2360Li
AX94	6950	2390	2395	AV13X2390Li
AX95	6960	2415	2425	AV13X2415Li
AX96	6970	2440	2450	AV13X2440Li
AX97	6980	2465	2475	AV13X2465Li
AX98	6990	2490	2500	AV13X2490Li
AX99	61000	2515	2525	AV13X2515Li
AX100	61010	2540	2550	AV13X2540Li
AX101	61020	2565	2575	AV13X2565Li
AX102	61030	2590	2600	AV13X2590Li
AX103	61040	2615	2625	AV13X2615Li
AX104	61050	2640	2650	AV13X2640Li
AX105	61060	2665	2675	AV13X2665Li
AX106	61070	2690	2700	AV13X2690Li
AX107	61080	2720	2725	AV13X2720Li
AX108	61090	2745	2755	AV13X2745Li
AX109	61100	2770	2780	AV13X2770Li
AX110	61110	2795	2805	AV13X2795Li
AX111	61120	2820	2830	AV13X2820Li
AX112	61130	2845	2855	AV13X2845Li
AX113	61140	2870	2880	AV13X2870Li
AX114	61150	2895	2905	AV13X2895Li
AX115	61160	2920	2930	AV13X2920Li
AX116	61170	2945	2955	AV13X2945Li
AX117	61180	2970	2980	AV13X2970Li
AX118	61190	2995	3005	AV13X2995Li
AX119	61200	3025	3030	AV13X3025Li
AX120	61210	3050	3060	AV13X3050Li
AX121	61220	3075	3085	AV13X3075Li
AX122	61230	3100	3137	AV13X3100Li
AX124	61250	3150	3187	AV13X3150Li
AX125	61260	3175	3212	AV13X3175Li
AX126	61270	3200	3237	AV13X3200Li
AX127	61280	3225	3262	AV13X3225Li
AX128	61290	3250	3287	AV13X3250Li
AX129	61300	3275	3312	AV13X3275Li
AX130	61310	3300	3337	AV13X3300Li
AX131	61320	3325	3362	AV13X3325Li
AX132	61330	3355	3392	AV13X3355Li
AX133	61340	3380	3417	AV13X3380Li
AX134	61350	3405	3442	AV13X3405Li
AX135	61360	3430	3467	AV13X3430Li
AX136	61370	3455	3492	AV13X3455Li
AX137	61380	3480	3517	AV13X3480Li
AX138	61390	3505	3542	AV13X3505Li
AX139	61400	3530	3567	AV13X3530Li
AX140	61410	3555	3592	AV13X3555Li
AX141	61420	3580	3617	AV13X3580Li
AX142	61430	3605	3642	AV13X3605Li
AX143	61440	3630	3667	AV13X3630Li
AX144	61450	3660	3697	AV13X3660Li
AX145	61460	3685	3722	AV13X3685Li
AX146	61470	3710	3747	AV13X3710Li
AX147	61480	3735	3772	AV13X3735Li
AX148	61490	3760	3797	AV13X3760Li
AX149	61500	3785	3822	AV13X3785Li
AX150	61510	3810	3847	AV13X3810Li
AX151	61520	3835	3872	AV13X3835Li
AX152	61530	3860	3897	AV13X3860Li
AX153	61540	3885	3922	AV13X3885Li
AX154	61550	3910	3947	AV13X3910Li
AX155	61560	3935	3972	AV13X3935Li
AX156	61570	3960	3997	AV13X3960Li
AX157	61580	3990	4027	AV13X3990Li
AX158	61590	4015	4052	AV13X4015Li
AX159	61600	4040	4077	AV13X4040Li
AX160	61610	4065	4102	AV13X4065Li
AX161	61620	4090	4127	AV13X4090Li
AX162	61630	4115	4152	AV13X4115Li
AX163	61640	4140	4177	AV13X4140Li
AX164	61650	4165	4202	AV13X4165Li
AX165	61660	4190	4227	AV13X4190Li
AX166	61670	4215	4252	AV13X4215Li
AX167	61680	4240	4277	AV13X4240Li
AX168	61690	4265	4302	AV13X4265Li
AX169	61700	4295	4332	AV13X4295Li
AX170	61710	4320	4357	AV13X4320Li
AX171	61720	4345	4382	AV13X4345Li
AX172	61730	4370	4407	AV13X4370Li

Industrial V belt (Cogged) - BX Series

Product No. Example



Sectional Figure

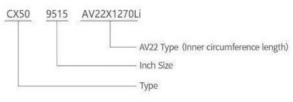


BX Specifications

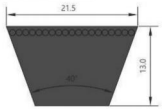
Type	Inch Size	Inner circumference length	Reference Length	AV17 Corresponding Specifications
		Li/mm	Ld/mm	
BX22	8235	560	602	AV17X560Li
BX23	8245	585	627	AV17X585Li
BX24	8255	610	652	AV17X610Li
BX25	8265	635	677	AV17X635Li
BX26	8275	660	702	AV17X660Li
BX27	8285	685	727	AV17X685Li
BX28	8295	710	752	AV17X710Li
BX29	8305	735	777	AV17X735Li
BX30	8315	760	802	AV17X760Li
BX31	8325	785	827	AV17X785Li
BX32	8335	815	857	AV17X815Li
BX33	8345	840	882	AV17X840Li
BX34	8355	865	907	AV17X865Li
BX35	8365	890	932	AV17X890Li
BX36	8375	915	957	AV17X915Li
BX37	8385	940	982	AV17X940Li
BX38	8395	965	1007	AV17X965Li
BX39	8405	990	1032	AV17X990Li
BX40	8415	1015	1057	AV17X1015Li
BX41	8425	1040	1082	AV17X1040Li
BX42	8435	1065	1107	AV17X1065Li
BX43	8445	1090	1132	AV17X1090Li
BX44	8455	1120	1162	AV17X1120Li
BX45	8465	1145	1187	AV17X1145Li
BX46	8475	1170	1212	AV17X1170Li
BX47	8485	1195	1237	AV17X1195Li
BX48	8495	1220	1262	AV17X1220Li
BX49	8505	1245	1287	AV17X1245Li
BX50	8515	1270	1312	AV17X1270Li
BX51	8525	1295	1337	AV17X1295Li
BX52	8535	1320	1362	AV17X1320Li
BX53	8545	1345	1387	AV17X1345Li
BX54	8555	1370	1412	AV17X1370Li
BX55	8565	1395	1437	AV17X1395Li
BX56	8575	1420	1462	AV17X1420Li
BX57	8585	1450	1492	AV17X1450Li
BX58	8595	1475	1517	AV17X1475Li
BX59	8605	1500	1542	AV17X1500Li
BX60	8615	1525	1567	AV17X1525Li
BX61	8625	1550	1592	AV17X1550Li
BX62	8635	1575	1617	AV17X1575Li
BX63	8645	1600	1642	AV17X1600Li
BX64	8655	1625	1667	AV17X1625Li
BX65	8665	1650	1692	AV17X1650Li
BX66	8675	1675	1717	AV17X1675Li
BX67	8685	1700	1742	AV17X1700Li
BX68	8695	1725	1767	AV17X1725Li
BX69	8705	1755	1797	AV17X1755Li
BX70	8715	1780	1822	AV17X1780Li
BX71	8725	1805	1847	AV17X1805Li
BX72	8735	1830	1872	AV17X1830Li
BX73	8745	1855	1897	AV17X1855Li
BX74	8755	1880	1922	AV17X1880Li
BX75	8765	1905	1947	AV17X1905Li
BX76	8775	1930	1972	AV17X1930Li
BX77	8785	1955	1997	AV17X1955Li
BX78	8795	1980	2022	AV17X1980Li
BX79	8805	2005	2047	AV17X2005Li
BX80	8815	2030	2072	AV17X2030Li
BX81	8825	2055	2097	AV17X2055Li
BX82	8835	2085	2127	AV17X2085Li
BX83	8845	2110	2152	AV17X2110Li
BX84	8855	2135	2177	AV17X2135Li
BX85	8865	2160	2202	AV17X2160Li
BX86	8875	2185	2227	AV17X2185Li
BX87	8885	2210	2252	AV17X2210Li
BX88	8895	2235	2277	AV17X2235Li
BX89	8905	2260	2302	AV17X2260Li
BX90	8915	2285	2327	AV17X2285Li
BX91	8925	2310	2352	AV17X2310Li
BX92	8935	2335	2377	AV17X2335Li
BX93	8945	2360	2402	AV17X2360Li
BX94	8955	2390	2432	AV17X2390Li
BX95	8965	2415	2457	AV17X2415Li
BX96	8975	2440	2482	AV17X2440Li
BX97	8985	2465	2507	AV17X2465Li
BX98	8995	2490	2532	AV17X2490Li
BX99	81005	2515	2557	AV17X2515Li
BX100	81015	2540	2582	AV17X2540Li
BX101	81025	2565	2607	AV17X2565Li
BX102	81035	2590	2632	AV17X2590Li
BX103	81045	2615	2657	AV17X2615Li
BX104	81055	2640	2682	AV17X2640Li
BX105	81065	2665	2707	AV17X2665Li
BX106	81075	2690	2732	AV17X2690Li
BX107	81085	2720	2762	AV17X2720Li
BX108	81095	2745	2787	AV17X2745Li
BX109	81105	2770	2812	AV17X2770Li
BX110	81115	2795	2837	AV17X2795Li
BX111	81125	2820	2862	AV17X2820Li
BX112	81135	2845	2887	AV17X2845Li
BX113	81145	2870	2912	AV17X2870Li
BX114	81155	2895	2937	AV17X2895Li
BX115	81165	2920	2962	AV17X2920Li
BX116	81175	2945	2987	AV17X2945Li
BX117	81185	2970	3012	AV17X2970Li
BX118	81195	2995	3037	AV17X2995Li
BX119	81205	3025	3067	AV17X3025Li
BX120	81215	3050	3092	AV17X3050Li
BX121	81225	3075	3117	AV17X3075Li
BX122	81235	3100	3142	AV17X3100Li
BX123	81245	3125	3167	AV17X3125Li
BX124	81255	3150	3192	AV17X3150Li
BX125	81265	3175	3217	AV17X3175Li
BX126	81275	3200	3242	AV17X3200Li
BX127	81285	3225	3267	AV17X3225Li
BX128	81295	3250	3292	AV17X3250Li
BX129	81305	3275	3317	AV17X3275Li
BX130	81315	3300	3342	AV17X3300Li
BX131	81325	3325	3367	AV17X3325Li
BX132	81335	3355	3397	AV17X3355Li
BX133	81345	3380	3422	AV17X3380Li
BX134	81355	3405	3447	AV17X3405Li
BX135	81365	3430	3472	AV17X3430Li
BX135.5	81370	3440	3482	AV17X3440Li
BX136	81375	3455	3497	AV17X3455Li
BX136.5	81380	3465	3507	AV17X3465Li
BX137	81385	3480	3522	AV17X3480Li
BX138	81395	3505	3547	AV17X3505Li
BX139	81405	3530	3572	AV17X3530Li
BX140	81415	3555	3597	AV17X3555Li
BX141	81425	3580	3622	AV17X3580Li
BX142	81435	3605	3647	AV17X3605Li
BX143	81445	3630	3672	AV17X3630Li
BX144	81455	3660	3702	AV17X3660Li
BX145	81465	3685	3727	AV17X3685Li
BX146	81475	3710	3752	AV17X3710Li
BX147	81485	3735	3777	AV17X3735Li
BX148	81495	3760	3802	AV17X3760Li
BX149	81505	3785	3827	AV17X3785Li
BX150	81515	3810	3852	AV17X3810Li
BX151	81525	3835	3877	AV17X3835Li
BX152	81535	3860	3902	AV17X3860Li
BX153	81545	3885	3927	AV17X3885Li
BX154	81555	3910	3952	AV17X3910Li
BX155	81565	3925	3967	AV17X3925Li
BX156	81575	3960	4002	AV17X3960Li
BX157	81585	3990	4032	AV17X3990Li
BX158	81595	4015	4057	AV17X4015Li
BX159	81605	4040	4082	AV17X4040Li
BX160	81615	4065	4107	AV17X4065Li
BX161	81625	4090	4132	AV17X4090Li
BX162	81635	4115	4157	AV17X4115Li
BX163	81645	4140	4182	AV17X4140Li
BX164	81655	4165	4207	AV17X4165Li
BX165	81665	1490	1532	AV17X1490Li
BX166	81675	4215	4257	AV17X4215Li
BX167	81685	4240	4282	AV17X4240Li
BX168	81695	4265	4307	AV17X4265Li
BX169	81705	4295	4337	AV17X4295Li
BX170	81715	4320	4362	AV17X4320Li
BX171	81725	4345	4387	AV17X4345Li

Industrial V belt (Cogged) - CX Series

Product No. Example



Sectional Figure



CX Specifications

Type	Inch Size	Inner circumference Length L/mm	Reference Length Ld/mm	AV22 Corresponding Specification
CX30	9315	760	816	AV22X760Li
CX31	9325	785	841	AV22X785Li
CX32	9335	815	871	AV22X815Li
CX33	9345	840	896	AV22X840Li
CX34	9355	865	921	AV22X865Li
CX35	9365	890	946	AV22X890Li
CX36	9375	915	971	AV22X915Li
CX37	9385	940	996	AV22X940Li
CX38	9395	965	1021	AV22X965Li
CX39	9405	990	1046	AV22X990Li
CX40	9415	1015	1071	AV22X1015Li
CX41	9425	1040	1096	AV22X1040Li
CX42	9435	1065	1121	AV22X1065Li
CX43	9445	1090	1146	AV22X1090Li
CX44	9455	1120	1176	AV22X1120Li
CX45	9465	1145	1201	AV22X1145Li
CX46	9475	1170	1226	AV22X1170Li
CX47	9485	1195	1251	AV22X1195Li
CX48	9495	1220	1276	AV22X1220Li
CX49	9505	1245	1301	AV22X1245Li
CX50	9515	1270	1326	AV22X1270Li
CX51	9525	1295	1351	AV22X1295Li
CX52	9535	1320	1376	AV22X1320Li
CX53	9545	1345	1401	AV22X1345Li
CX54	9555	1370	1426	AV22X1370Li
CX55	9565	1395	1451	AV22X1395Li
CX56	9575	1420	1476	AV22X1420Li
CX57	9585	1450	1506	AV22X1450Li
CX58	9595	1475	1531	AV22X1475Li
CX59	9605	1500	1556	AV22X1500Li
CX60	9615	1525	1581	AV22X1525Li
CX61	9625	1550	1606	AV22X1550Li
CX62	9635	1575	1631	AV22X1575Li
CX63	9645	1600	1656	AV22X1600Li
CX64	9655	1625	1681	AV22X1625Li
CX65	9665	1650	1706	AV22X1650Li
CX66	9675	1675	1731	AV22X1675Li
CX67	9685	1700	1756	AV22X1700Li
CX68	9695	1725	1781	AV22X1725Li
CX69	9705	1755	1811	AV22X1755Li
CX70	9715	1780	1836	AV22X1780Li
CX71	9725	1805	1861	AV22X1805Li
CX72	9735	1830	1886	AV22X1830Li
CX73	9745	1855	1911	AV22X1855Li
CX74	9755	1880	1936	AV22X1880Li
CX75	9765	1905	1961	AV22X1905Li
CX76	9775	1930	1986	AV22X1930Li
CX77	9785	1955	2011	AV22X1955Li
CX78	9795	1980	2036	AV22X1980Li
CX79	9805	2005	2061	AV22X2005Li
CX80	9815	2030	2086	AV22X2030Li
CX81	9825	2055	2111	AV22X2055Li
CX82	9835	2085	2141	AV22X2085Li
CX83	9845	2110	2166	AV22X2110Li
CX84	9855	2135	2191	AV22X2135Li
CX85	9865	2160	2216	AV22X2160Li
CX86	9875	2185	2241	AV22X2185Li
CX87	9885	2210	2266	AV22X2210Li
CX88	9895	2235	2291	AV22X2235Li
CX89	9905	2260	2316	AV22X2260Li
CX90	9915	2285	2341	AV22X2285Li
CX91	9925	2310	2366	AV22X2310Li
CX92	9935	2335	2391	AV22X2335Li
CX93	9945	2360	2416	AV22X2360Li
CX94	9955	2390	2446	AV22X2390Li
CX95	9965	2415	2471	AV22X2415Li
CX96	9975	2440	2496	AV22X2440Li
CX97	9985	2465	2521	AV22X2465Li
CX98	9995	2490	2546	AV22X2490Li
CX99	91005	2515	2571	AV22X2515Li
CX100	91015	2540	2596	AV22X2540Li
CX101	91025	2565	2621	AV22X2565Li
CX102	91035	2590	2646	AV22X2590Li
CX103	91045	2615	2671	AV22X2615Li
CX104	91055	2640	2696	AV22X2640Li
CX105	91065	2665	2721	AV22X2665Li
CX106	91075	2690	2746	AV22X2690Li
CX107	91085	2720	2776	AV22X2720Li
CX108	91095	2745	2801	AV22X2745Li
CX109	91105	2770	2826	AV22X2770Li
CX110	91115	2795	2851	AV22X2795Li
CX111	91125	2820	2876	AV22X2820Li
CX112	91135	2845	2901	AV22X2845Li
CX113	91145	2870	2926	AV22X2870Li
CX114	91155	2895	2951	AV22X2895Li
CX115	91165	2920	2976	AV22X2920Li
CX116	91175	2945	3001	AV22X2945Li
CX117	91185	2970	3026	AV22X2970Li
CX118	91195	2995	3051	AV22X2995Li
CX119	91205	3025	3081	AV22X3025Li
CX120	91215	3050	3106	AV22X3050Li
CX121	91225	3075	3131	AV22X3075Li
CX122	91235	3100	3156	AV22X3100Li
CX123	91245	3125	3181	AV22X3125Li
CX124	91255	3150	3206	AV22X3150Li
CX125	91265	3175	3231	AV22X3175Li
CX126	91275	3200	3256	AV22X3200Li
CX127	91285	3225	3281	AV22X3225Li
CX128	91295	3250	3306	AV22X3250Li
CX129	91305	3275	3331	AV22X3275Li
CX130	91315	3300	3356	AV22X3300Li
CX131	91325	3325	3381	AV22X3325Li
CX132	91335	3355	3411	AV22X3355Li
CX133	91345	3380	3436	AV22X3380Li
CX134	91355	3405	3461	AV22X3405Li
CX135	91365	3430	3486	AV22X3430Li
CX136	91375	3455	3511	AV22X3455Li
CX137	91385	3480	3536	AV22X3480Li
CX138	91395	3505	3561	AV22X3505Li
CX139	91405	3530	3586	AV22X3530Li
CX140	91415	3555	3611	AV22X3555Li
CX141	91425	3580	3636	AV22X3580Li
CX142	91435	3605	3661	AV22X3605Li
CX143	91445	3630	3686	AV22X3630Li
CX144	91455	3660	3716	AV22X3660Li
CX145	91465	3685	3741	AV22X3685Li
CX146	91475	3710	3766	AV22X3710Li
CX147	91485	3735	3791	AV22X3735Li
CX148	91495	3760	3816	AV22X3760Li
CX149	91505	3785	3841	AV22X3785Li
CX150	91515	3810	3866	AV22X3810Li
CX151	91525	3835	3891	AV22X3835Li
CX152	91535	3860	3916	AV22X3860Li
CX153	91545	3885	3941	AV22X3885Li
CX154	91555	3910	3966	AV22X3910Li
CX155	91565	3935	3991	AV22X3935Li
CX156	91575	3960	4016	AV22X3960Li
CX157	91585	3990	4046	AV22X3990Li
CX158	91595	4015	4071	AV22X4015Li
CX159	91605	4040	4096	AV22X4040Li
CX160	91615	4065	4121	AV22X4065Li
CX161	91625	4090	4146	AV22X4090Li
CX162	91635	4115	4171	AV22X4115Li
CX163	91645	4140	4196	AV22X4140Li
CX164	91655	4165	4221	AV22X4165Li
CX165	91665	4190	4246	AV22X4190Li
CX166	91675	4215	4271	AV22X4215Li
CX167	91685	4240	4296	AV22X4240Li
CX168	91695	4265	4321	AV22X4265Li
CX169	91705	4295	4351	AV22X4295Li
CX170	91715	4320	4376	AV22X4320Li
CX171	91725	4345	4401	AV22X4345Li

Narrow V Belts - XPZ/XPA/XPB/XPC Series

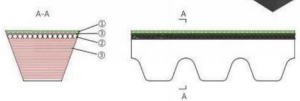
Industry/Application

Suitable for various industrial fields, especially those with high space requirements and heavy loads such as diesel engines, gasoline engines, agricultural machinery, air compressors, fans, lathes, drilling machines, and mining machinery. The transmission efficiency is better than that of ordinary cloth belts and ordinary edge cutting belts.



Structure/Composition

① Rubber impregnated flexible polyester cotton canvas.
② High modulus low shrinkage polyester core wire.
③ Fiber reinforced composite compression layer rubber.



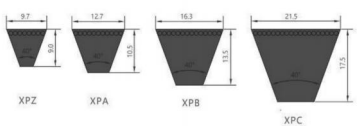
Features/Advantages

- Belt heat-resistant enhancement, with a wide temperature range of -40 ℃~120 ℃.
- The bottom adopts a cast tooth structure, which generates low heat during operation and is suitable for operating small pulleys.
- Use special edge cutting molding to avoid slipping and wear.
- High modulus and low shrinkage polyester core wire to minimize belt elongation as much as possible.
- Fiber reinforced compression adhesive layer provides stronger power transmission.

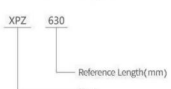
Dimension

Type	Width b	Height h	Angle α
	mm	mm	°
XPZ (3VX)	9.7	9.0	40
XPA	12.7	10.5	40
XPB (5VX)	16.3	13.5	40
XPC	21.5	17.5	40

Sectional Figure

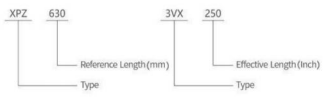


Product No. Example

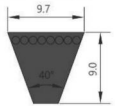


Narrow V Belts - XPZ/3VX Series

■ Product No. Example



■ Sectional Figure

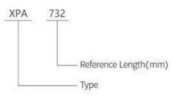


■ XPZ Specifications

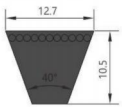
Type	Reference Length Ld/mm	Size Marking
XPZ560	560	XPZ560
XPZ612	612	XPZ612
XPZ621	621	XPZ621
XPZ630	630	XPZ630/3VX250
XPZ637	637	XPZ637
XPZ662	662	XPZ662
XPZ670	670	XPZ670/3VX265
XPZ687	687	XPZ687
XPZ710	710	XPZ710/3VX280
XPZ722	722	XPZ722
XPZ730	730	XPZ730
XPZ737	737	XPZ737
XPZ750	750	XPZ750
XPZ760	760	XPZ760/3VX300
XPZ762	762	XPZ762
XPZ772	772	XPZ772
XPZ787	787	XPZ787
XPZ800	800	XPZ800/3VX315
XPZ812	812	XPZ812
XPZ825	825	XPZ825
XPZ837	837	XPZ837
XPZ850	850	XPZ850/3VX335
XPZ862	862	XPZ862
XPZ875	875	XPZ875
XPZ887	887	XPZ887
XPZ900	900	XPZ900
XPZ912	912	XPZ912
XPZ925	925	XPZ925
XPZ937	937	XPZ937
XPZ950	950	XPZ950/3VX375
XPZ962	962	XPZ962
XPZ975	975	XPZ975
XPZ980	980	XPZ980
XPZ987	987	XPZ987
XPZ1000	1000	XPZ1000
XPZ1012	1012	XPZ1012/3VX400
XPZ1024	1024	XPZ1024
XPZ1025	1025	XPZ1025
XPZ1030	1030	XPZ1030
XPZ1037	1037	XPZ1037
XPZ1047	1047	XPZ1047
XPZ1060	1060	XPZ1060/3VX420
XPZ1077	1077	XPZ1077/3VX425
XPZ1087	1087	XPZ1087
XPZ1090	1090	XPZ1090
XPZ1100	1100	XPZ1100
XPZ1112	1112	XPZ1112
XPZ1120	1120	XPZ1120
XPZ1137	1137	XPZ1137
XPZ1120	1120	XPZ1120
XPZ1140	1140	XPZ1140/3VX450
XPZ1150	1150	XPZ1150
XPZ1162	1162	XPZ1162
XPZ1180	1180	XPZ1180
XPZ1187	1187	XPZ1187
XPZ1200	1200	XPZ1200/3VX475
XPZ1202	1202	XPZ1202
XPZ1212	1212	XPZ1212
XPZ1222	1222	XPZ1222
XPZ1237	1237	XPZ1237
XPZ1250	1250	XPZ1250
XPZ1262	1262	XPZ1262
XPZ1270	1270	XPZ1270/3VX500
XPZ1287	1287	XPZ1287
XPZ1312	1312	XPZ1312
XPZ1320	1320	XPZ1320
XPZ1337	1337	XPZ1337
XPZ1340	1340	XPZ1340/3VX530
XPZ1347	1347	XPZ1347
XPZ1362	1362	XPZ1362
XPZ1387	1387	XPZ1387
XPZ1400	1400	XPZ1400
XPZ1412	1412	XPZ1412
XPZ1420	1420	XPZ1420/3VX560
XPZ1437	1437	XPZ1437
XPZ1450	1450	XPZ1450
XPZ1462	1462	XPZ1462
XPZ1487	1487	XPZ1487
XPZ1500	1500	XPZ1500
XPZ1512	1512	XPZ1512
XPZ1520	1520	XPZ1520/3VX600
XPZ1537	1537	XPZ1537
XPZ1550	1550	XPZ1550
XPZ1562	1562	XPZ1562
XPZ1587	1587	XPZ1587
XPZ1600	1600	XPZ1600/3VX630
XPZ1612	1612	XPZ1612
XPZ1637	1637	XPZ1637
XPZ1650	1650	XPZ1650/3VX650
XPZ1662	1662	XPZ1662
XPZ1687	1687	XPZ1687
XPZ1700	1700	XPZ1700/3VX670
XPZ1712	1712	XPZ1712
XPZ1737	1737	XPZ1737
XPZ1750	1750	XPZ1750
XPZ1762	1762	XPZ1762
XPZ1782	1782	XPZ1782
XPZ1800	1800	XPZ1800/3VX710
XPZ1812	1812	XPZ1812
XPZ1837	1837	XPZ1837
XPZ1850	1850	XPZ1850/3VX730
XPZ1862	1862	XPZ1862
XPZ1887	1887	XPZ1887
XPZ1900	1900	XPZ1900/3VX750
XPZ1937	1937	XPZ1937
XPZ1950	1950	XPZ1950
XPZ1987	1987	XPZ1987
XPZ2000	2000	XPZ2000
XPZ2030	2030	XPZ2030/3VX800
XPZ2060	2060	XPZ2060
XPZ2080	2080	XPZ2080
XPZ2120	2120	XPZ2120
XPZ2160	2160	XPZ2160/3VX850
XPZ2240	2240	XPZ2240
XPZ2280	2280	XPZ2280/3VX900
XPZ2360	2360	XPZ2360
XPZ2410	2410	XPZ2410/3VX950
XPZ2487	2487	XPZ2487
XPZ2500	2500	XPZ2500
XPZ2540	2540	XPZ2540/3VX1000
XPZ2650	2650	XPZ2650
XPZ2690	2690	XPZ2690/3VX1060
XPZ2800	2800	XPZ2800
XPZ2840	2840	XPZ2840/3VX1120
XPZ3000	3000	XPZ3000/3VX1180
XPZ3150	3150	XPZ3150
XPZ3170	3170	XPZ3170/3VX1250
XPZ3350	3350	XPZ3350/3VX1320
XPZ3550	3550	XPZ3550/3VX1400
XPZ3800	3800	XPZ3800/3VX1500

Narrow V Belts - XPA Series

■ Product No. Example



■ Sectional Figure

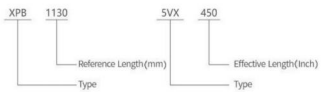


■ XPA Specifications

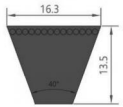
Type	Reference Length Ld/mm	Size Marking
XPA732	732	XPA732
XPA747	747	XPA747
XPA757	757	XPA757
XPA770	770	XPA770
XPA782	782	XPA782
XPA800	800	XPA800
XPA810	810	XPA810
XPA820	820	XPA820
XPA832	832	XPA832
XPA850	850	XPA850
XPA857	857	XPA857
XPA882	882	XPA882
XPA900	900	XPA900
XPA907	907	XPA907
XPA925	925	XPA925
XPA932	932	XPA932
XPA950	950	XPA950
XPA957	957	XPA957
XPA975	975	XPA975
XPA982	982	XPA982
XPA1000	1000	XPA1000
XPA1007	1007	XPA1007
XPA1030	1030	XPA1030
XPA1060	1060	XPA1060
XPA1080	1080	XPA1080
XPA1090	1090	XPA1090
XPA1107	1107	XPA1107
XPA1120	1120	XPA1120
XPA1132	1132	XPA1132
XPA1140	1140	XPA1140
XPA1150	1150	XPA1150
XPA1157	1157	XPA1157
XPA1180	1180	XPA1180
XPA1207	1207	XPA1207
XPA1215	1215	XPA1215
XPA1232	1232	XPA1232
XPA1250	1250	XPA1250
XPA1272	1272	XPA1272
XPA1282	1282	XPA1282
XPA1307	1307	XPA1307
XPA1320	1320	XPA1320
XPA1332	1332	XPA1332
XPA1357	1357	XPA1357
XPA1382	1382	XPA1382
XPA1400	1400	XPA1400
XPA1407	1407	XPA1407
XPA1432	1432	XPA1432
XPA1450	1450	XPA1450
XPA1457	1457	XPA1457
XPA1462	1462	XPA1462
XPA1482	1482	XPA1482
XPA1500	1500	XPA1500
XPA1507	1507	XPA1507
XPA1532	1532	XPA1532
XPA1550	1550	XPA1550
XPA1557	1557	XPA1557
XPA1582	1582	XPA1582
XPA1600	1600	XPA1600
XPA1607	1607	XPA1607
XPA1632	1632	XPA1632
XPA1650	1650	XPA1650
XPA1657	1657	XPA1657
XPA1682	1682	XPA1682
XPA1700	1700	XPA1700
XPA1732	1732	XPA1732
XPA1750	1750	XPA1750
XPA1757	1757	XPA1757
XPA1782	1782	XPA1782
XPA1800	1800	XPA1800
XPA1807	1807	XPA1807
XPA1832	1832	XPA1832
XPA1850	1850	XPA1850
XPA1857	1857	XPA1857
XPA1882	1882	XPA1882
XPA1900	1900	XPA1900
XPA1907	1907	XPA1907
XPA1932	1932	XPA1932
XPA1950	1950	XPA1950
XPA1957	1957	XPA1957
XPA1982	1982	XPA1982
XPA2000	2000	XPA2000
XPA2032	2032	XPA2032
XPA2060	2060	XPA2060
XPA2082	2082	XPA2082
XPA2120	2120	XPA2120
XPA2132	2132	XPA2132
XPA2143	2143	XPA2143
XPA2182	2182	XPA2182
XPA2240	2240	XPA2240
XPA2282	2282	XPA2282
XPA2300	2300	XPA2300
XPA2332	2332	XPA2332
XPA2362	2362	XPA2362
XPA2382	2382	XPA2382
XPA2430	2430	XPA2430
XPA2482	2482	XPA2482
XPA2500	2500	XPA2500
XPA2532	2532	XPA2532
XPA2582	2582	XPA2582
XPA2607	2607	XPA2607
XPA2632	2632	XPA2632
XPA2650	2650	XPA2650
XPA2682	2682	XPA2682
XPA2732	2732	XPA2732
XPA2782	2782	XPA2782
XPA2800	2800	XPA2800
XPA2832	2832	XPA2832
XPA2847	2847	XPA2847
XPA2882	2882	XPA2882
XPA2900	2900	XPA2900
XPA2932	2932	XPA2932
XPA2982	2982	XPA2982
XPA3000	3000	XPA3000
XPA3150	3150	XPA3150
XPA3350	3350	XPA3350
XPA3550	3550	XPA3550

Narrow V Belts - XPB/5VX Series

Product No. Example



Sectional Figure

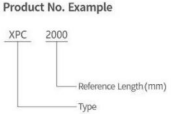


XPB Specifications

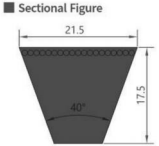
Type	Reference Length Ld/mm	Size Marking
XPB1130	1130	XPB1130/5VX450
XPB1150	1150	XPB1150
XPB1180	1180	XPB1180/5VX470
XPB1188	1188	XPB1188
XPB1194	1194	XPB1194
XPB1230	1230	XPB1230/5VX490
XPB1250	1250	XPB1250
XPB1260	1260	XPB1260/5VX500
XPB1280	1280	XPB1280/5VX510
XPB1320	1320	XPB1320
XPB1340	1340	XPB1340/5VX530
XPB1360	1360	XPB1360/5VX540
XPB1380	1380	XPB1380/5VX550
XPB1400	1400	XPB1400
XPB1410	1410	XPB1410/5VX560
XPB1430	1430	XPB1430/5VX570
XPB1460	1460	XPB1460/5VX580
XPB1480	1480	XPB1480/5VX590
XPB1500	1500	XPB1500
XPB1510	1510	XPB1510/5VX600
XPB1540	1540	XPB1540/5VX610
XPB1590	1590	XPB1590/5VX630
XPB1600	1600	XPB1600
XPB1640	1640	XPB1640/5VX650
XPB1650	1650	XPB1650
XPB1660	1660	XPB1660/5VX660
XPB1690	1690	XPB1690/5VX670
XPB1700	1700	XPB1700
XPB1720	1720	XPB1720/5VX680
XPB1740	1740	XPB1740/5VX690
XPB1800	1800	XPB1800/5VX710
XPB1840	1840	XPB1840/5VX730
XPB1870	1870	XPB1870/5VX740
XPB1900	1900	XPB1900/5VX750
XPB1950	1950	XPB1950
XPB2000	2000	XPB2000
XPB2020	2020	XPB2020/5VX800
XPB2040	2040	XPB2040/5VX810
XPB2100	2100	XPB2100/5VX830
XPB2120	2120	XPB2120/5VX840
XPB2150	2150	XPB2150/5VX850
XPB2160	2160	XPB2160
XPB2170	2170	XPB2170/5VX860
XPB2220	2220	XPB2220/5VX880
XPB2240	2240	XPB2240
XPB2280	2280	XPB2280/5VX900
XPB2990	2990	XPB2990/5VX1180
XPB3000	3000	XPB3000
XPB3110	3110	XPB3110/5VX1230
XPB3150	3150	XPB3150
XPB3170	3170	XPB3170/5VX1250
XPB3340	3340	XPB3340/5VX1320
XPB3350	3350	XPB3350
XPB3550	3550	XPB3550/5VX1400
XPB2350	2350	XPB2350
XPB2380	2380	XPB2380
XPB2410	2410	XPB2410
XPB2430	2430	XPB2430
XPB2500	2500	XPB2500
XPB2530	2530	XPB2530
XPB2600	2600	XPB2600
XPB2650	2650	XPB2650
XPB2680	2680	XPB2680
XPB2690	2690	XPB2690
XPB2730	2730	XPB2730/5VX1080
XPB2800	2800	XPB2800
XPB2840	2840	XPB2840/5VX1120
XPB2910	2910	XPB2910/5VX1150

Narrow V Belts - XPC Series

Product No. Example



Sectional Figure



XPC Specifications

Type	Reference Length Ld/mm	Size Marking
XPC1918	1918	XPC1918
XPC1940	1940	XPC1940
XPC1950	1950	XPC1950
XPC1970	1970	XPC1970
XPC2000	2000	XPC2000
XPC2120	2120	XPC2120
XPC2240	2240	XPC2240
XPC2360	2360	XPC2360
XPC2500	2500	XPC2500
XPC2650	2650	XPC2650
XPC2800	2800	XPC2800
XPC3000	3000	XPC3000
XPC3150	3150	XPC3150
XPC3350	3350	XPC3350
XPC3550	3550	XPC3550
XPC3750	3750	XPC3750
XPC4000	4000	XPC4000
XPC4250	4250	XPC4250

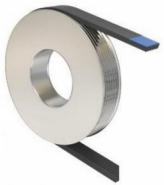
Micro-V Belts - PH/PJ/PK/PL/PM Series

Industry/Application

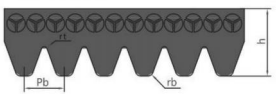
Suitable for various outdoor transmission equipment, conveying equipment, medical equipment, electric tools, household appliances, and sports equipment.

Features/Advantages

- The belt has strong weather resistance and a wide temperature range of -40 °C~120 °C.
- The fiber-reinforced wedge teeth have excellent wear resistance and service life.
- When running at high speeds, they can maintain balance, reduce vibration, avoid slipping and wear.
- The core rope and rubber have a strong bonding force, avoiding premature fatigue damage.



Sectional Figure



Dimension

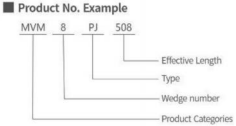
Type	Pb	rb	rt	h
PH	1.6	0.3	0.15	≈3
PJ	2.34	0.4	0.2	≈4
PK	3.56	0.5	0.25	≈6
PL	4.7	0.4	0.4	≈10
PM	9.4	0.75	0.75	≈17

*The above dimensions are parameters for grinding multi-wedge belts.

Product Categories

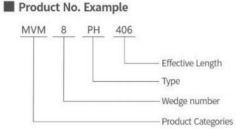
MVG	Grinding Multi-wedge Belt
MVM	Molded Multi-wedge Belt
MVB	Special Multi-wedge Belt

Product No. Example

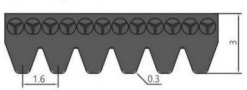


Micro-V Belts - PH Series

Product No. Example



Sectional Figure

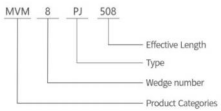


PH Specifications

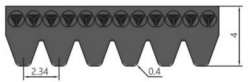
Type	Inch Code	Effective Length mm	Product Categories
EPH207	/	207	MVM
EPH254	/	254	MVM
EPH279	/	279	MVM
EPH305	/	305	MVM
EPH330	/	330	MVM
EPH356	/	356	MVM
EPH381	/	381	MVM
PH406	160H	406	MVM
PH432	170H	432	MVM
PH457	180H	457	MVM
PH483	190H	483	MVM
PH508	200H	508	MVM
PH533	210H	533	MVM
PH559	220H	559	MVM
PH584	230H	584	MVM
PH610	240H	610	MVM
PH635	250H	635	MVM
PH660	260H	660	MVM
PH686	270H	686	MVM
PH711	280H	711	MVM
PH737	290H	737	MVM
PH762	300H	762	MVM
PH787	310H	787	MVM
PH813	320H	813	MVM
PH838	330H	838	MVM
PH864	340H	864	MVM
PH889	350H	889	MVM
PH914	360H	914	MVM
PH940	370H	940	MVM
PH965	380H	965	MVM
PH991	390H	991	MVM
PH1016	400H	1016	MVM
PH1041	410H	1041	MVM
PH1067	420H	1067	MVM
PH1092	430H	1092	MVM
PH1118	440H	1118	MVM
PH1143	450H	1143	MVM
PH1168	460H	1168	MVM
PH1194	470H	1194	MVM
PH1219	480H	1219	MVM
PH1245	490H	1245	MVM
PH1270	500H	1270	MVM

Micro-V Belts - PJ Series

Product No. Example



Sectional Figure

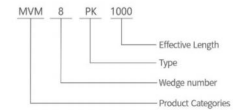


PJ Specifications

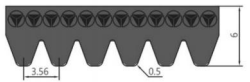
Type	Inch Code	Effective Length mm	Product Categories
EPJ219	/	219	MVM
EPJ232	/	232	MVM
EPJ245	/	245	MVM
EPJ257	/	257	MVM
EPJ270	/	270	MVM
EPJ283	/	283	MVM
EPJ295	/	295	MVM
EPJ308	/	308	MVM
EPJ321	/	321	MVM
EPJ334	/	334	MVM
EPJ346	/	346	MVM
EPJ359	/	359	MVM
EPJ372	/	372	MVM
EPJ384	/	384	MVM
EPJ397	/	397	MVM
EPJ410	/	410	MVM
PJ406	160J	406	MVM
PJ419	165J	419	MVM
PJ432	170J	432	MVM
PJ445	175J	445	MVM
PJ457	180J	457	MVM
PJ470	185J	470	MVM
PJ483	190J	483	MVM
PJ495	195J	495	MVM
PJ508	200J	508	MVM
PJ521	205J	521	MVM
PJ533	210J	533	MVM
PJ546	215J	546	MVM
PJ559	220J	559	MVM
PJ572	225J	572	MVM
PJ584	230J	584	MVM
PJ597	235J	597	MVM
PJ610	240J	610	MVM
PJ622	245J	622	MVM
PJ635	250J	635	MVM
PJ648	255J	648	MVM
PJ660	260J	660	MVM
PJ673	265J	673	MVM
PJ686	270J	686	MVM
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PJ711	280J	711	MVM
PJ724	285J	724	MVM
PJ737	290J	737	MVM
PJ749	295J	749	MVM
PJ762	300J	762	MVM
PJ775	305J	775	MVM
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PJ826	325J	826	MVM
PJ838	330J	838	MVM
PJ851	335J	851	MVM
PJ864	340J	864	MVM
PJ876	345J	876	MVM
PJ889	350J	889	MVM
PJ902	355J	902	MVM
PJ914	360J	914	MVM
PJ927	365J	927	MVM
PJ940	370J	940	MVM
PJ953	375J	953	MVM
PJ965	380J	965	MVM
PJ978	385J	978	MVM
PJ991	390J	991	MVM
PJ1003	395J	1003	MVM
PJ1016	400J	1016	MVM
PJ1029	405J	1029	MVM
PJ1041	410J	1041	MVM
PJ1054	415J	1054	MVM
PJ1067	420J	1067	MVM
PJ1080	425J	1080	MVM
PJ1092	430J	1092	MVM
PJ1105	435J	1105	MVM
PJ1118	440J	1118	MVM
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PJ1181	465J	1181	MVM
PJ1194	470J	1194	MVM
PJ1207	475J	1207	MVM
PJ1219	480J	1219	MVM
PJ1232	485J	1232	MVM
PJ1245	490J	1245	MVM
PJ1257	495J	1257	MVM
PJ1270	500J	1270	MVM
PJ1283	505J	1283	MVM
PJ1295	510J	1295	MVM
PJ1308	515J	1308	MVM
PJ1321	520J	1321	MVM
PJ1334	525J	1334	MVM
PJ1346	530J	1346	MVM
PJ1359	535J	1359	MVM
PJ1372	540J	1372	MVM
PJ1384	545J	1384	MVM
PJ1397	550J	1397	MVM
PJ1410	555J	1410	MVM
PJ1422	560J	1422	MVM
PJ1435	565J	1435	MVM
PJ1448	570J	1448	MVM
PJ1461	575J	1461	MVM
PJ1473	580J	1473	MVM
PJ1486	585J	1486	MVM
PJ1499	590J	1499	MVM
PJ1511	595J	1511	MVM
PJ1524	600J	1524	MVM
PJ1537	605J	1537	MVM
PJ1549	610J	1549	MVM
PJ1562	615J	1562	MVM
PJ1575	620J	1575	MVM
PJ1588	625J	1588	MVM
PJ1600	630J	1600	MVM
PJ1613	635J	1613	MVM
PJ1626	640J	1626	MVM
PJ1638	645J	1638	MVM
PJ1651	650J	1651	MVM
PJ1664	655J	1664	MVM
PJ1676	660J	1676	MVM
PJ1689	665J	1689	MVM
PJ1702	670J	1702	MVM
PJ1715	675J	1715	MVM
PJ1727	680J	1727	MVM
PJ1740	685J	1740	MVM
PJ1753	690J	1753	MVM
PJ1765	695J	1765	MVM
PJ1778	700J	1778	MVM
PJ1791	705J	1791	MVM
PJ1803	710J	1803	MVM
PJ1816	715J	1816	MVM
PJ1829	720J	1829	MVM
PJ1842	725J	1842	MVM
PJ1854	730J	1854	MVM
PJ1867	735J	1867	MVM
PJ1880	740J	1880	MVM
PJ1892	745J	1892	MVM
PJ1905	750J	1905	MVM
PJ1918	755J	1918	MVM
PJ1930	760J	1930	MVM
PJ1943	765J	1943	MVM
PJ1956	770J	1956	MVM
PJ1969	775J	1969	MVM
PJ1981	780J	1981	MVM
PJ1994	785J	1994	MVM
PJ2007	790J	2007	MVM
PJ2019	795J	2019	MVM
PJ2032	800J	2032	MVM
PJ2045	805J	2045	MVM
PJ2057	810J	2057	MVM
PJ2070	815J	2070	MVM
PJ2083	820J	2083	MVM
PJ2096	825J	2096	MVM
PJ2108	830J	2108	MVM
PJ2121	835J	2121	MVM
PJ2134	840J	2134	MVM
PJ2146	845J	2146	MVM
PJ2159	850J	2159	MVM
PJ2172	855J	2172	MVM
PJ2184	860J	2184	MVM
PJ2197	865J	2197	MVM
PJ2210	870J	2210	MVM
PJ2223	875J	2223	MVM
PJ2235	880J	2235	MVM
PJ2248	885J	2248	MVM
PJ2261	890J	2261	MVM
PJ2273	895J	2273	MVM
PJ2286	900J	2286	MVM
PJ2299	905J	2299	MVM
PJ2311	910J	2311	MVM
PJ2324	915J	2324	MVM
PJ2337	920J	2337	MVM
PJ2350	925J	2350	MVM
PJ2362	930J	2362	MVM
PJ2375	935J	2375	MVM
PJ2388	940J	2388	MVM
PJ2400	945J	2400	MVM
PJ2413	950J	2413	MVM
PJ2426	955J	2426	MVM
PJ2438	960J	2438	MVM
PJ2451	965J	2451	MVM
PJ2464	970J	2464	MVM
PJ2477	975J	2477	MVM
PJ2489	980J	2489	MVM

Micro-V Belts - PK Series

Product No. Example



Sectional Figure

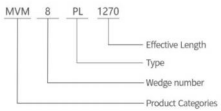


PK Specifications

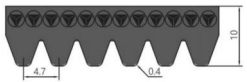
Type	Inch Code	Effective Length mm	Product Categories
PK700	/	700	MVG
PK710	/	710	MVG
PK720	/	720	MVG
PK730	/	730	MVG
PK740	/	740	MVG
PK750	/	750	MVG
PK760	/	760	MVM
PK770	/	770	MVM
PK780	/	780	MVM
PK790	/	790	MVM
PK800	/	800	MVM
PK810	/	810	MVM
PK820	/	820	MVM
PK830	/	830	MVM
PK840	/	840	MVM
PK850	/	850	MVM
PK860	/	860	MVM
PK870	/	870	MVM
PK880	/	880	MVM
PK890	/	890	MVM
PK900	/	900	MVM
PK910	/	910	MVM
PK920	/	920	MVM
PK930	/	930	MVM
PK940	/	940	MVM
PK950	/	950	MVM
PK960	/	960	MVM
PK970	/	970	MVM
PK980	/	980	MVM
PK990	/	990	MVM
PK1000	/	1000	MVM
PK1010	/	1010	MVM
PK1020	/	1020	MVM
PK1030	/	1030	MVM
PK1040	/	1040	MVM
PK1050	/	1050	MVM
PK1060	/	1060	MVM
PK1070	/	1070	MVM
PK1080	/	1080	MVM
PK1090	/	1090	MVM
PK1100	/	1100	MVM
PK1110	/	1110	MVM
PK1120	/	1120	MVM
PK1130	/	1130	MVM
PK1140	/	1140	MVM
PK1150	/	1150	MVM
PK1160	/	1160	MVM
PK1170	/	1170	MVM
PK1180	/	1180	MVM
PK1190	/	1190	MVM
PK1200	/	1200	MVM
PK1210	/	1210	MVM
PK1220	/	1220	MVM
PK1230	/	1230	MVM
PK1240	/	1240	MVM
PK1250	/	1250	MVM
PK1260	/	1260	MVM
PK1270	/	1270	MVM
PK1280	/	1280	MVM
PK1290	/	1290	MVM
PK1300	/	1300	MVM
PK1310	/	1310	MVM
PK1320	/	1320	MVM
PK1330	/	1330	MVM
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PK1370	/	1370	MVM
PK1380	/	1380	MVM
PK1390	/	1390	MVM
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PK1460	/	1460	MVM
PK1470	/	1470	MVM
PK1480	/	1480	MVM
PK1490	/	1490	MVM
PK1500	/	1500	MVM
PK1510	/	1510	MVM
PK1520	/	1520	MVM
PK1530	/	1530	MVM
PK1540	/	1540	MVM
PK1550	/	1550	MVM
PK1560	/	1560	MVM
PK1570	/	1570	MVM
PK1580	/	1580	MVM
PK1590	/	1590	MVM
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PK1640	/	1640	MVM
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PK1660	/	1660	MVM
PK1670	/	1670	MVM
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PK1870	/	1870	MVM
PK1880	/	1880	MVM
PK1890	/	1890	MVM
PK1900	/	1900	MVM
PK1910	/	1910	MVM
PK1920	/	1920	MVM
PK1930	/	1930	MVM
PK1940	/	1940	MVM
PK1950	/	1950	MVM
PK1960	/	1960	MVM
PK1970	/	1970	MVM
PK1980	/	1980	MVM
PK1990	/	1990	MVM
PK2000	/	2000	MVM
PK2010	/	2010	MVG
PK2020	/	2020	MVG
PK2030	/	2030	MVG
PK2040	/	2040	MVG
PK2050	/	2050	MVG
PK2060	/	2060	MVG
PK2070	/	2070	MVG
PK2080	/	2080	MVG
PK2090	/	2090	MVG
PK2100	/	2100	MVG
PK2110	/	2110	MVG
PK2120	/	2120	MVG
PK2130	/	2130	MVG
PK2140	/	2140	MVG
PK2150	/	2150	MVG
PK2160	/	2160	MVG
PK2170	/	2170	MVG
PK2180	/	2180	MVG
PK2190	/	2190	MVG
PK2200	/	2200	MVG
PK2210	/	2210	MVG
PK2220	/	2220	MVG
PK2230	/	2230	MVG
PK2240	/	2240	MVG
PK2250	/	2250	MVG
PK2260	/	2260	MVG
PK2270	/	2270	MVG
PK2280	/	2280	MVG
PK2290	/	2290	MVG
PK2300	/	2300	MVG
PK2310	/	2310	MVG
PK2320	/	2320	MVG
PK2330	/	2330	MVG
PK2340	/	2340	MVG
PK2350	/	2350	MVG
PK2360	/	2360	MVG
PK2370	/	2370	MVG
PK2380	/	2380	MVG
PK2390	/	2390	MVG
PK2400	/	2400	MVG
PK2410	/	2410	MVG
PK2420	/	2420	MVG
PK2430	/	2430	MVG
PK2440	/	2440	MVG
PK2450	/	2450	MVG
PK2460	/	2460	MVG
PK2470	/	2470	MVG
PK2480	/	2480	MVG
PK2490	/	2490	MVG
PK2500	/	2500	MVG
PK2510	/	2510	MVG
PK2520	/	2520	MVG
PK2530	/	2530	MVG
PK2540	/	2540	MVG
PK2550	/	2550	MVG
PK2560	/	2560	MVG
PK2570	/	2570	MVG
PK2580	/	2580	MVG
PK2590	/	2590	MVG
PK2600	/	2600	MVG
PK2610	/	2610	MVG
PK2620	/	2620	MVG
PK2630	/	2630	MVG
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PK2650	/	2650	MVG
PK2660	/	2660	MVG
PK2670	/	2670	MVG
PK2680	/	2680	MVG
PK2690	/	2690	MVG
PK2700	/	2700	MVG
PK2710	/	2710	MVG
PK2720	/	2720	MVG
PK2730	/	2730	MVG
PK2740	/	2740	MVG
PK2750	/	2750	MVG
PK2760	/	2760	MVG
PK2770	/	2770	MVG
PK2780	/	2780	MVG
PK2790	/	2790	MVG
PK2800	/	2800	MVG
PK2810	/	2810	MVG
PK2820	/	2820	MVG
PK2830	/	2830	MVG
PK2840	/	2840	MVG
PK2850	/	2850	MVG
PK2860	/	2860	MVG
PK2870	/	2870	MVG
PK2880	/	2880	MVG
PK2890	/	2890	MVG
PK2900	/	2900	MVG
PK2910	/	2910	MVG
PK2920	/	2920	MVG
PK2930	/	2930	MVG
PK2940	/	2940	MVG
PK2950	/	2950	MVG
PK2960	/	2960	MVG
PK2970	/	2970	MVG
PK2980	/	2980	MVG
PK2990	/	2990	MVG
PK3000	/	3000	MVG

Micro-V Belts - PL Series

Product No. Example



Sectional Figure

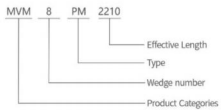


PL Specifications

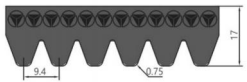
Type	Inch Code	Effective Length mm	Product Categories
PL762	300L	762	MVG
PL787	310L	787	MVG
PL813	320L	813	MVG
PL838	330L	838	MVG
PL864	340L	864	MVG
PL889	350L	889	MVG
PL914	360L	914	MVG
PL940	370L	940	MVG
PL965	380L	965	MVG
PL991	390L	991	MVG
PL1016	400L	1016	MVG
PL1041	410L	1041	MVG
PL1067	420L	1067	MVG
PL1092	430L	1092	MVG
PL1118	440L	1118	MVG
PL1143	450L	1143	MVG
PL1168	460L	1168	MVG
PL1194	470L	1194	MVG
PL1219	480L	1219	MVG
PL1245	490L	1245	MVG
PL1270	500L	1270	MVG
PL1295	510L	1295	MVG
PL1321	520L	1321	MVG
PL1346	530L	1346	MVG
PL1372	540L	1372	MVG
PL1397	550L	1397	MVG
PL1422	560L	1422	MVG
PL1448	570L	1448	MVG
PL1473	580L	1473	MVG
PL1499	590L	1499	MVG
PL1524	600L	1524	MVG
PL1549	610L	1549	MVG
PL1575	620L	1575	MVG
PL1600	630L	1600	MVG
PL1626	640L	1626	MVG
PL1651	650L	1651	MVG
PL1676	660L	1676	MVG
PL1702	670L	1702	MVG
PL1727	680L	1727	MVG
PL1753	690L	1753	MVG
PL1778	700L	1778	MVG
PL1803	710L	1803	MVG
PL1829	720L	1829	MVG
PL1854	730L	1854	MVG
PL1880	740L	1880	MVG
PL1905	750L	1905	MVG
PL1930	760L	1930	MVG
PL1956	770L	1956	MVG
PL1981	780L	1981	MVG
PL2007	790L	2007	MVG
PL2032	800L	2032	MVG
PL2057	810L	2057	MVG
PL2083	820L	2083	MVG
PL2108	830L	2108	MVG
PL2134	840L	2134	MVG
PL2159	850L	2159	MVG
PL2184	860L	2184	MVG
PL2210	870L	2210	MVG
PL2235	880L	2235	MVG
PL2261	890L	2261	MVG
PL2286	900L	2286	MVG
PL2311	910L	2311	MVG
PL2337	920L	2337	MVG
PL2362	930L	2362	MVG
PL2388	940L	2388	MVG
PL2413	950L	2413	MVG
PL2438	960L	2438	MVG
PL2464	970L	2464	MVG
PL2489	980L	2489	MVG
PL2515	990L	2515	MVG
PL2540	1000L	2540	MVG
PL2565	1010L	2565	MVG
PL2591	1020L	2591	MVG
PL2616	1030L	2616	MVG
PL2642	1040L	2642	MVG
PL2667	1050L	2667	MVG
PL2692	1060L	2692	MVG
PL2718	1070L	2718	MVG
PL2743	1080L	2743	MVG
PL2769	1090L	2769	MVG
PL2794	1100L	2794	MVG
PL2819	1110L	2819	MVG
PL2845	1120L	2845	MVG
PL2870	1130L	2870	MVG
PL2896	1140L	2896	MVG
PL2921	1150L	2921	MVG
PL2946	1160L	2946	MVG
PL2972	1170L	2972	MVG
PL2997	1180L	2997	MVG

Micro-V Belts - PM Series

Product No. Example



Sectional Figure



PM Specifications

Type	Inch Code	Effective Length mm	Product Categories
PM1270	500M	1270	MVG
PM1295	510M	1295	MVG
PM1321	520M	1321	MVG
PM1346	530M	1346	MVG
PM1372	540M	1372	MVG
PM1397	550M	1397	MVG
PM1422	560M	1422	MVG
PM1448	570M	1448	MVG
PM1473	580M	1473	MVG
PM1499	590M	1499	MVG
PM1524	600M	1524	MVG
PM1549	610M	1549	MVG
PM1575	620M	1575	MVG
PM1600	630M	1600	MVG
PM1626	640M	1626	MVG
PM1651	650M	1651	MVG
PM1676	660M	1676	MVG
PM1702	670M	1702	MVG
PM1727	680M	1727	MVG
PM1753	690M	1753	MVG
PM1778	700M	1778	MVG
PM1803	710M	1803	MVG
PM1829	720M	1829	MVG
PM1854	730M	1854	MVG
PM1880	740M	1880	MVG
PM1905	750M	1905	MVG
PM1930	760M	1930	MVG
PM1956	770M	1956	MVG
PM1981	780M	1981	MVG
PM2007	790M	2007	MVG
PM2032	800M	2032	MVG
PM2057	810M	2057	MVG
PM2083	820M	2083	MVG
PM2108	830M	2108	MVG
PM2134	840M	2134	MVG
PM2159	850M	2159	MVG
PM2184	860M	2184	MVG
PM2210	870M	2210	MVG
PM2235	880M	2235	MVG
PM2261	890M	2261	MVG
PM2286	900M	2286	MVG
PM2311	910M	2311	MVG
PM2337	920M	2337	MVG
PM2362	930M	2362	MVG
PM2388	940M	2388	MVG
PM2413	950M	2413	MVG
PM2438	960M	2438	MVG
PM2464	970M	2464	MVG
PM2489	980M	2489	MVG
PM2515	990M	2515	MVG
PM2540	1000M	2540	MVG
PM2565	1010M	2565	MVG
PM2591	1020M	2591	MVG
PM2616	1030M	2616	MVG
PM2642	1040M	2642	MVG
PM2667	1050M	2667	MVG
PM2692	1060M	2692	MVG
PM2718	1070M	2718	MVG
PM2743	1080M	2743	MVG
PM2769	1090M	2769	MVG
PM2794	1100M	2794	MVG
PM2819	1110M	2819	MVG
PM2845	1120M	2845	MVG
PM2870	1130M	2870	MVG
PM2896	1140M	2896	MVG
PM2921	1150M	2921	MVG
PM2946	1160M	2946	MVG
PM2972	1170M	2972	MVG
PM2997	1180M	2997	MVG



Rubber Flat Belt

Industry/Application

Suitable for various transmission equipment, textile equipment, logistics equipment, medical equipment, woodworking machinery, automation equipment



Features/Advantages

- The belt has strong weather resistance and a wide temperature range of -20 °C~90 °C.
- The special main rubber material has excellent wear resistance and service life.
- During high-speed operation, it can maintain balance, reduce vibration, and avoid slipping and wear.
- The strong bonding force between the core rope and rubber prevents premature fatigue damage.

Standard Flat Belt Type and Product Specifications

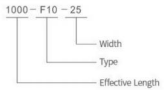
Type	Standard Thickness mm	Breaking Force N/mm	Minimum Pulley Diameter mm	Constant Elongation Tensione N/mm	Anti Static	Length Range mm
F07	0.7-0.8	≥120	10	0.7~2.5	OK	200-1500
F10	0.8-1.0	≥180	15	7.4	OK	200-2500
F12	1.0-1.3	≥180	15	7.4	OK	200-2500
F15	1.3-1.6	≥180	25	14.7	OK	500-2500
F17	1.6-1.8	≥230	35	29.4	OK	500-2500
F20	1.8-2.1	≥230	35	29.4	OK	500-2500
F25	2.1-2.5	≥230	35	29.4	OK	500-2500
F30	2.5-3.5	≥230	35	29.4	OK	1000-4500
F40	3.5-4.5	≥230	35	29.4	OK	1000-4500

Special Flat Belt Type and Product Specifications

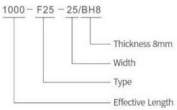
Type	Thickness Range mm	Breaking Force N/mm	Minimum Pulley Diameter mm	Constant Elongation Tensione N/mm	Special Properties	Length Range mm
F25/BH	5.5~10	≥230	80	29.4	Wear Resistance Backlining 50-55 Shore A Red Natural Rubber	600~4500
F25/BN	5~11	≥230	80	29.4	Feeding Force, No Fading Backlining 45-50 Shore A Thermoplastic Rubber (TPR)	600~4500
F25/BL	5~11	≥230	80	29.4	Feeding Force Backlining 45-50 Shore A Green Natural Rubber	600~4500

Note:0.5mm Incrments

Standard Flat Belt Model



Special Flat Belt Model





Polyurethane Timing Belt

01 Product Overview

Polyurethane timing belt (PU timing belt), the main body is made of thermoplastic polyurethane material, and the skeleton material is selected from galvanized steel wire or aramid wire. The molding process of Herz Transmission perfectly solves technical problems such as the bonding strength between the skeleton material and the polyurethane body, and the uniformity of the layout of the skeleton material. It can achieve good operating characteristics and high traction load, suitable for power transmission, as well as long-distance and large load conveying. The polyurethane timing belt also has excellent processing performance. It is cut to the specified length and width according to the design requirements, connected, and processed with various backing materials and blocks on the timing belt according to the workpiece conveying requirements, such as nylon canvas, natural rubber, polyurethane elastomers of different hardness, silicone foam sponge, etc., to meet different engineering environments and protect the conveyed workpieces.



02 Industry/Application

Polyurethane timing belts are widely used in power transmission and conveying applications. When using an open belt, it needs to be used in conjunction with a toothed plate product for straight back and forth transportation. The connecting belt can achieve low-speed light load transmission and long-distance linear conveying. It is mainly used in industries such as automotive assembly lines, automatic doors and windows, vending machines, logistics and warehousing, photovoltaics, textiles, woodworking machinery, printing, ceramic processing, etc.

03 Features/Advantages

1. Using high-performance polyurethane material, excellent wear resistance and tooth shear characteristics
2. The skeleton uses galvanized steel wire or aramid to ensure low elongation and high flexibility;
3. Canvas can be attached to the surface and teeth of the belt, which is more conducive to noise reduction, as well as improving wear resistance and tensile strength;
4. Good oil and grease resistance, maintenance free, aging resistance, hydrolysis resistance, ozone resistance, and temperature resistance (-25 ° C~+80 ° C);
5. The belt body can be processed, or backing materials and stoppers can be added according to the operating conditions, with high design freedom.
6. The opening belt can be cut and connected according to the specified length. Whole roll purchase, self cutting for convenient on-site equipment debugging.

04 Part No. Example

1	2	3		4		5		6		7		8		9		10
PJ	W	S		30	–	T10	–	3.6	/	NT	–	2PW70	–	B001	–	P50

1. PJ: PU Joint Belt PO: PU Open End Belt
2. W: White H: Black B: Blue G: Green Y: Yellow R: Red T: Transparent
3. S: Steel core wire K: Kevlar core wire
4. Belt Width Unit:mm
5. Type
6. Length Unit: m
7. Nylon cloth on both sides
   NT: Teeth side(Green Nylon cloth) NB: Backside(Green Nylon cloth)
   NTB: Both sides(Green Nylon cloth) HT: Teeth side(Black Nylon cloth)
   HB: Backside(Black Nylon cloth) HTB: Both sides(Black Nylon cloth)
8. Backlining Backlining+Material+Hardness
   EX:2PW70 means Thickness 2mm PU Backlining, Hardness 70ShA
9. Block information refer to P.191~192
10. The spacing between the blocks. Ex: P50 means Install blocks at equal intervals of 50mm between each other

MXL Polyurethane Timing Belt Open End Belt

Product Features

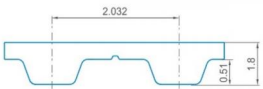
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:MXL (refer to the tooth profile)
Standard Width (Inch) :025/037/050/075/100
Standard Width (mm) :6.4/9.5/12.7/19.1/25.4
Width Tolerance:±0.38mm
Thickness and Tolerance:1.8±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

MXL Tooth Profile



Load

Standard Width (Inch)		025	037	050	075	100
Standard Width (mm)		6.4	9.5	12.7	19.1	25.4
Weight (gr/m) *		14	21	28	41	55
Galvanized steel wire	Max Load (N)	260	410	520	779	4100
	Breaking Force (N)	1041	1640	2082	3116	16400
	Extension Rate under Max Load%			0.4		
Aramid wire	Max Load (N)	285	450	571	857	1143
	Breaking Force (N)	1143	1800	2286	3429	4572
	Extension Rate under Max Load%			0.8		

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	7.3	7	6.8	6.7	6.6	6.4	5.9	5.7	5.4	5.2	4.9	4.6	4.2	4	3.6
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	20
Aramid wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	20
Illustration				

XL Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

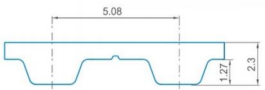
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:XL (refer to the tooth profile)
Standard Width (Inch) :025/037/050/075/100/150/200
Standard Width (mm) :6.4/9.5/12.7/19.1/25.4/25.4/38.1/50.8
Width Tolerance:±0.5mm
Thickness and Tolerance:2.3±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

XL Tooth Profile



Load

Standard Width (Inch)		025	037	050	075	100	150	200
Standard Width (mm)		6.4	9.5	12.7	19.1	25.4	38.1	50.8
Weight (gr/m) *		15	23	31	46	62	93	124
Galvanized steel wire	Max Load (N)	260	410	520	779	1041	1558	2050
	Breaking Force (N)	1041	1640	2082	3116	4165	6232	8200
	Extension Rate under Max Load%				0.4			
Aramid wire	Max Load (N)	285	450	571	857	1143	1715	2286
	Breaking Force (N)	1143	1800	2286	3429	4572	6858	9144
	Extension Rate under Max Load%				0.8			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	19	19	18	18	17	17	16	15	15	14	13	13	12	11	10
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	10	15	10
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	10	15	10
	Min Idler Diameter	-	30	20
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



L Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

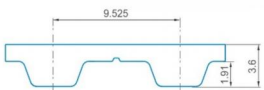
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:L (refer to the tooth profile)
Standard Width (Inch) :025/037/050/075/100/200/400
Standard Width (mm) :6.4/9.5/12.7/19.1/25.4/38.1/50.8/101.6
Width Tolerance:±0.5mm
Thickness and Tolerance:3.6±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

L Tooth Profile



Load

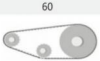
Standard Width (Inch)		025	037	050	075	100	150	200	400
Standard Width (mm)		6.4	9.5	12.7	19.1	25.4	38.1	50.8	101.6
Weight (gr/m) *		25	38	50	76	101	152	203	406
Galvanized steel wire	Max Load (N)	425	563	850	1276	1701	2552	3403	6807
	Breaking Force (N)	1700	2254	3403	5105	6807	10210	13614	27228
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	458	680	915	1570	2095	3270	4685	10475
	Breaking Force (N)	1832	2720	3665	6285	8380	13095	17805	36665
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	37	36	35	35	34	33	31	29	28	27	24	23	20	19	16
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	15	20	15
	Min Idler Diameter	-	60	60
Aramid wire	Min number of Pulley teeth	15	20	15
	Min Idler Diameter	-	60	60
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



H Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

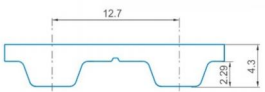
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:**H** (refer to the tooth profile)
Standard Width (Inch) :037/050/075/100/150/200/400
Standard Width (mm) :9.5/12.7/19.1/25.4/25.4/38.1/50.8/101.6
Width Tolerance:±0.5mm
Thickness and Tolerance:4.3±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

H Tooth Profile



Load

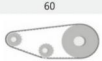
Standard Width (Inch)		037	050	075	100	150	200	400
Standard Width (mm)		9.5	12.7	19.1	25.4	38.1	50.8	101.6
Weight (gr/m) *		41	55	82	110	165	220	440
Galvanized steel wire	Max Load (N)	875	1200	1800	2400	3600	4800	9600
	Breaking Force (N)	3500	4800	7200	9600	14400	19200	38400
	Extension Rate under Max Load%	0.4						
Aramid wire	Max Load (N)	680	915	1570	2095	3270	4685	10475
	Breaking Force (N)	2720	3665	6285	8380	13095	17805	36665
	Extension Rate under Max Load%	0.8						

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	44	43	42	41	40	39	36	34	33	31	29	27	24	22	19
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	14	20	14
	Min Idler Diameter	-	80	60
Aramid wire	Min number of Pulley teeth	14	20	14
	Min Idler Diameter	-	80	60
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



XH Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:XH (refer to the tooth profile)
Standard Width (Inch) :100/150/200/300/400/600
Standard Width (mm) :25.4/38.1/50.8/101.6/152.4
Width Tolerance: ±1mm
Thickness and Tolerance:11.2±0.5mm
Length Tolerance: ±0.8mm/m
Standard Roll Length: 100m or can be specified in length

XH Tooth Profile



Load

Standard Width (Inch)		100	150	200	300	400	600
Standard Width (mm)		25.4	38.1	50.8	76.2	101.6	152.4
Weight (gr/m) *		330	495	660	990	1320	1980
Galvanized steel wire	Max Load (N)	4037	6056	8075	12112	16150	24225
	Breaking Force (N)	16150	24225	32300	48450	64600	96900
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	5475	8212.5	10950	16425	21900	32850
	Breaking Force (N)	21900	32850	43800	65700	87600	131400
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	115	111	108	105	103	101	92	86	81	78	70	65	57	51	43
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	18	20	18
	Min Idler Diameter	-	180	150
Aramid wire	Min number of Pulley teeth	18	20	18
	Min Idler Diameter	-	180	150
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



T2.5 Polyurethane Timing Belt Open End Belt

Product Features

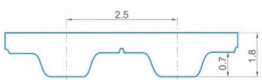
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:**T2.5** (refer to the tooth profile)
Standard Width (mm) :10/16/20/50mm
Width Tolerance: ±0.3mm
Thickness and Tolerance:1.8±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

T2.5 Tooth Profile



Load

Standard Width (mm)		10	16	20	50
Weight (gr/m) *		24	38	48	120
Galvanized steel wire	Max Load (N)	105	170	215	525
	Breaking Force (N)	435	695	870	2175
	Extension Rate under Max Load%	0.4			
Aramid wire	Max Load (N)	450	720	900	2250
	Breaking Force (N)	1800	2880	3600	9000
	Extension Rate under Max Load%	0.8			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	9	8.7	8.4	8.2	8.1	7.9	7.3	7	6.7	6.4	6	5.7	5.2	4.9	4.4
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	10	18	10
	Min Idler Diameter	-	15	18
Aramid wire	Min number of Pulley teeth	10	18	10
	Min Idler Diameter	-	15	18
Illustration				

T5 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

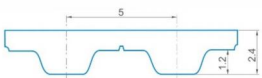
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type:T5 (refer to the tooth profile)
Standard Width (mm) :6/10/15/20/25/32/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:2.4±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

T5 Tooth Profile



Load

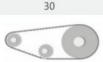
Standard Width (mm)		6	10	15	20	25	32	50	100
Weight (gr/m) *		16	28	42	56	70	89	140	280
Galvanized steel wire	Max Load (N)	180	375	562	750	937	1200	1875	3750
	Breaking Force (N)	750	1500	2250	3000	3750	4800	7500	15000
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	540	900	1350	1800	2250	2880	4500	9000
	Breaking Force (N)	2160	3600	5400	7200	9000	11520	18000	36000
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	24	23	23	22	22	22	20	19	19	18	17	16	15	14	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	10	15	10
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	30
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



T10 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

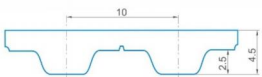
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type:T10 (refer to the tooth profile)
Standard Width (mm) :12/16/25/30/50/100/150mm
Width Tolerance:±0.5mm
Thickness and Tolerance:4.5±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

T10 Tooth Profile



Load

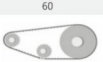
Standard Width (mm)		12	16	20	25	30	50	100	150
Weight (gr/m) *		57	76	96	120	144	240	480	720
Galvanized steel wire	Max Load (N)	1050	1400	1750	2188	2625	4375	8750	13125
	Breaking Force (N)	4200	5600	7000	8750	10500	17500	35000	52500
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	1080	1440	1800	2250	2700	4500	9000	13500
	Breaking Force (N)	4320	5760	7200	9000	10800	18000	36000	54000
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	51	49	48	47	46	45	41	39	37	36	33	31	28	25	22
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	20	12
	Min Idler Diameter	-	60	60
Aramid wire	Min number of Pulley teeth	15	20	15
	Min Idler Diameter	-	60	60
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



T20 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

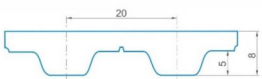
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type:T20 (refer to the tooth profile)
Standard Width (mm) :25/32/50/75/100/150mm
Width Tolerance:±1mm
Thickness and Tolerance:8±0.45mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

T20 Tooth Profile



Load

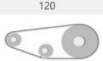
Standard Width (mm)		25	32	50	75	100	150
Weight (gr/m) *		185	236	370	555	740	1110
Galvanized steel wire	Max Load (N)	3800	4750	8075	13000	17500	28225
	Breaking Force (N)	15200	19000	32300	49400	66500	98800
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	5045	6730	10935	17715	23915	39425
	Breaking Force (N)	20195	26925	43755	67315	90875	138000
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	102	98	95	93	91	89	81	76	72	68	62	57	50	45	38
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	15	25	15
	Min Idler Diameter	-	120	120
Aramid wire	Min number of Pulley teeth	15	25	15
	Min Idler Diameter	-	120	120
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



AT3 Polyurethane Timing Belt Open End Belt

Product Features

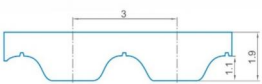
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product



Dimension

Type:AT3 (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/50mm
Width Tolerance:±0.5mm
Thickness and Tolerance:1.9±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

AT3 Tooth Profile



Load

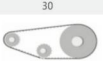
Standard Width (mm)		10	15	20	25	50
Weight (gr/m) *		22	33	44	55	110
Galvanized steel wire	Max Load (N)	410	615	820	1025	2050
	Breaking Force (N)	1640	2460	3280	4100	8200
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	625	937	1250	1562	3125
	Breaking Force (N)	2500	3750	5000	6250	12500
	Extension Rate under Max Load%	0.8				

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	24	24	24	23	23	23	22	21	21	20	19	18	16	15	14
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	25	20
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	20	25	20
	Min Idler Diameter	-	30	30
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



AT5 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

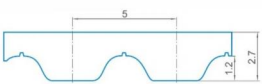


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:AT5 (refer to the tooth profile)
Standard Width (mm) :6/10/15/20/25/32/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:2.4±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

AT5 Tooth Profile



Load

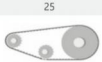
Standard Width (mm)		6	10	15	20	25	32	50	100
Weight (gr/m) *		21	35	52	70	87	112	175	350
Galvanized steel wire	Max Load (N)	402	670	1005	1340	1675	2144	3350	6700
	Breaking Force (N)	1608	2680	4020	5360	6700	8576	13400	26800
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	494	820	1230	1640	2050	2636	4119	8238
	Breaking Force (N)	1977	3295	4942	6590	8237	10544	16475	32950
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	35	35	35	34	34	34	32	31	30	29	27	26	24	22	19
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	15	15	15
	Min Idler Diameter	-	60	25
Aramid wire	Min number of Pulley teeth	12	25	15
	Min Idler Diameter	-	60	25
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



AT10 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

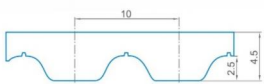


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:AT10 (refer to the tooth profile)
Standard Width (mm) :16/25/32/50/75/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:4.5±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

AT10 Tooth Profile



Load

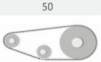
Standard Width (mm)		16	25	32	50	75	100
Weight (gr/m) *		94	147	188	295	442	590
Galvanized steel wire	Max Load (N)	2280	3563	4560	7125	10688	14250
	Breaking Force (N)	9120	14250	18240	28500	42750	57000
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	3200	5000	6400	10000	15000	20000
	Breaking Force (N)	12800	20000	25600	40000	60000	80000
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	83	80	80	80	78	77	73	69	67	65	58	55	48	44	38
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	15	15	15
	Min Idler Diameter	-	120	50
Aramid wire	Min number of Pulley teeth	15	25	15
	Min Idler Diameter	-	120	50
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



AT20 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

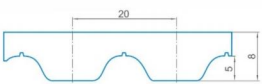


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:AT20 (refer to the tooth profile)
Standard Width (mm) :25/32/50/75/100/150mm
Width Tolerance:±1mm
Thickness and Tolerance:8±0.45mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

AT20 Tooth Profile



Load

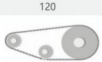
Standard Width (mm)		25	32	50	75	100	150
Weight (gr/m) *		242	310	485	727	970	1455
Galvanized steel wire	Max Load (N)	4550	5824	9100	13650	18200	27300
	Breaking Force (N)	18200	23296	36400	54600	72800	109200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	5045	6730	10935	17715	23915	39425
	Breaking Force (N)	20195	26925	43755	67315	90875	138000
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	147	144	142	139	137	135	126	119	112	107	97	88	76	67	58
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	18	25	18
	Min Idler Diameter	-	180	120
Aramid wire	Min number of Pulley teeth	18	25	18
	Min Idler Diameter	-	180	120
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



HTD3M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

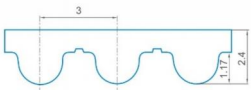


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:3M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50mm
Width Tolerance:±0.3mm
Thickness and Tolerance:2.4±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

3M Tooth Profile



Load

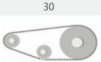
Standard Width (mm)		10	15	20	25	30	50
Weight (gr/m) *		24	36	48	60	72	120
Galvanized steel wire	Max Load (N)	410	615	820	1025	1230	2050
	Breaking Force (N)	1640	2460	3280	4100	4920	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	625	937	1250	1562	1875	3125
	Breaking Force (N)	2500	3750	5000	6250	7500	12500
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	23	23	22	22	22	22	21	20	20	19	18	17	16	15	13
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Illustration				

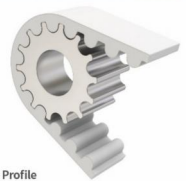
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



HTD5M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

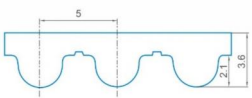


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:5M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.6±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

5M Tooth Profile



Load

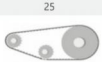
Standard Width (mm)		10	15	20	25	30	50	100
Weight (gr/m) *		41	61	82	102	123	205	410
Galvanized steel wire	Max Load (N)	670	1005	1340	1675	2010	3350	6700
	Breaking Force (N)	2680	4020	5360	6700	8040	13400	26800
	Extension Rate under Max Load%	0.4						
Aramid wire	Max Load (N)	820	1230	1640	2050	2460	4100	8200
	Breaking Force (N)	3295	4942	6590	8237	9885	16475	32950
	Extension Rate under Max Load%	0.8						

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	33	33	32	31	30	29	28	26	25	23	21	19
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	16	16	16
	Min Idler Diameter	-	50	25
Aramid wire	Min number of Pulley teeth	16	16	16
	Min Idler Diameter	-	50	25
Illustration				

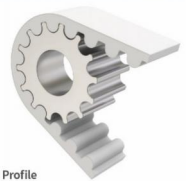
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



HTD8M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

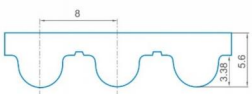


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:8M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50/85/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:5.6±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

8M Tooth Profile



Load

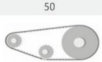
Standard Width (mm)		10	15	20	25	30	50	85	100
Weight (gr/m) *		67	100	134	167	201	335	569	670
Galvanized steel wire	Max Load (N)	1425	2135	2850	3562	4275	7125	12112	14250
	Breaking Force (N)	5700	8550	11400	14250	17100	28500	48450	57000
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	1200	1800	2400	3000	3600	6000	10200	12000
	Breaking Force (N)	4800	7200	9600	12000	14400	24000	40800	48000
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	67	66	65	64	63	63	59	57	54	32	48	45	40	37	31
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	22	20
	Min Idler Diameter	-	100	50
Aramid wire	Min number of Pulley teeth	20	22	20
	Min Idler Diameter	-	100	50
Illustration				

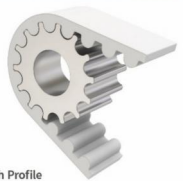
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



HTD14M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

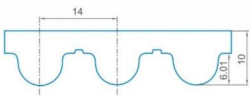


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:14M (refer to the tooth profile)
Standard Width (mm) :25/40/55/85/100/115mm
Width Tolerance:±1mm
Thickness and Tolerance:10±0.45mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

14M Tooth Profile



Load

Standard Width (mm)		25	40	55	85	100	115
Weight (gr/m) *		280	448	616	952	1120	1288
Galvanized steel wire	Max Load (N)	5190	8650	12745	20485	24580	30150
	Breaking Force (N)	20760	34600	48440	77850	93420	105530
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	5045	8410	12400	19930	23915	29330
	Breaking Force (N)	20195	33655	47120	75730	90875	102660
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	115	113	111	109	108	106	99	93	88	84	76	69	60	52	46
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	26	28	26
	Min Idler Diameter	-	180	120
Aramid wire	Min number of Pulley teeth	26	28	26
	Min Idler Diameter	-	180	120
Illustration				

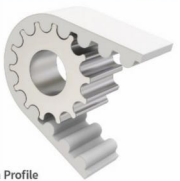
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



HTD20M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

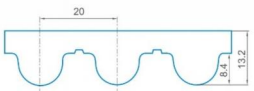


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:20M (refer to the tooth profile)
Standard Width (mm) :85/100/115/150mm
Width Tolerance:±2mm
Thickness and Tolerance:13.2±0.6mm
Length Tolerance:±1.6mm/m
Standard Roll Length: 100m or can be specified in length

20M Tooth Profile



Load

Standard Width (mm)		85	100	115	150
Weight (gr/m) *		892	1050	1207	1575
Galvanized steel wire	Max Load (N)	21250	25000	28750	37500
	Breaking Force (N)	85000	100000	115000	150000
	Extension Rate under Max Load%	0.4			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	150	147	144	142	140	138	129	121	115	110	99	90	78	68	60
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	32	36	32
	Min Idler Diameter	-	360	240
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S2M Polyurethane Timing Belt Open End Belt

Product Features

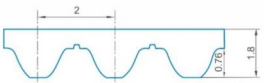
Main Body Materials: **Thermal Polyurethane**
Main Body Color: **White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness: **92 Shore A**
Core Wire Material: **Galvanized steel wire**/Aramid wire
Teeth Side: **No cloth**
Back Side: **No cloth**
Bold as standard product



Dimension

Type: S2M (refer to the tooth profile)
Standard Width (mm) : 6/9/12/15/20/50mm
Width Tolerance: ±0.3mm
Thickness and Tolerance: 1.8±0.2mm
Length Tolerance: ±0.5mm/m
Standard Roll Length: 100m or can be specified in length

S2M Tooth Profile



Load

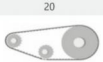
Standard Width (mm)		6	9	12	15	20	50
Weight (gr/m) *		14	21	28	35	46	116
Galvanized steel wire	Max Load (N)	246	369	492	615	820	2050
	Breaking Force (N)	984	1476	1968	2460	3280	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	270	405	540	675	900	2250
	Breaking Force (N)	1080	1620	2160	2700	3600	9000
	Extension Rate under Max Load%	0.8					

*The standard weight: skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	7.3	7	6.8	6.7	6.6	6.4	5.9	5.7	5.4	5.2	4.9	4.6	4.2	4	3.6
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	20
Aramid wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	20
Illustration				

S3M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

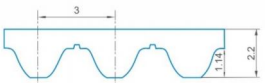
Main Body Materials: **Thermal Polyurethane**
Main Body Color: **White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness: **92 Shore A**
Core Wire Material: **Galvanized steel wire**/Aramid wire
Teeth Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type: S3M (refer to the tooth profile)
Standard Width (mm) : 10/15/20/25/30/50mm
Width Tolerance: ±0.3mm
Thickness and Tolerance: 2.2±0.2mm
Length Tolerance: ±0.5mm/m
Standard Roll Length: 100m or can be specified in length

S3M Tooth Profile



Load

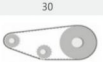
Standard Width (mm)		10	15	20	25	30	50
Weight (gr/m) *		23	34	46	57	69	115
Galvanized steel wire	Max Load (N)	410	615	820	1025	1230	2050
	Breaking Force (N)	1640	2460	3280	4100	4920	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	625	937	1250	1562	1875	3125
	Breaking Force (N)	2500	3750	5000	6250	7500	12500
	Extension Rate under Max Load%	0.8					

*The standard weight: skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	23	23	22	22	22	22	21	20	20	19	18	17	16	15	13
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S5M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

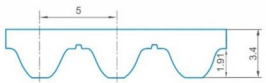


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:S5M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.4±0.25mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

S5M Tooth Profile



Load

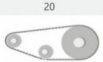
Standard Width (mm)		10	15	20	25	30	50	75	100
Weight (gr/m) *		38	57	76	95	114	190	285	380
Galvanized steel wire	Max Load (N)	670	1005	1340	1675	2010	3350	5025	6700
	Breaking Force (N)	2680	4020	5360	6700	8040	13400	20100	26800
	Extension Rate under Max Load%	0.4							
Aramid wire	Max Load (N)	687	1031	1374	1718	2061	3437	5156	6875
	Breaking Force (N)	2750	4125	5500	6875	8250	13750	20625	27500
	Extension Rate under Max Load%	0.8							

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	13	12
	Min Idler Diameter	-	60	20
Aramid wire	Min number of Pulley teeth	12	13	12
	Min Idler Diameter	-	60	20
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S8M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

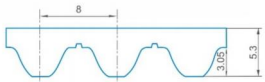


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:S8M (refer to the tooth profile)
Standard Width (mm) :10/12/15/20/25/30/50/85/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:5.3±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

S8M Tooth Profile



Load

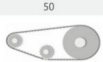
Standard Width (mm)		10	12	15	20	25	30	50	85	100
Weight (gr/m) *		65	78	97	130	162	195	325	552	650
Galvanized steel wire	Max Load (N)	1425	1710	2135	2850	3562	4275	7125	12112	14250
	Breaking Force (N)	5700	6840	8550	11400	14250	17100	28500	48450	57000
	Extension Rate under Max Load%	0.4								
Aramid wire	Max Load (N)	1200	1440	1800	2400	3000	3600	6000	10200	12000
	Breaking Force (N)	4800	5760	7200	9600	12000	14400	24000	40800	48000
	Extension Rate under Max Load%	0.8								

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	64	62	58	56	54	51	48	46	44	42	38	35	31	27	23
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	24	20
	Min Idler Diameter	-	100	50
Aramid wire	Min number of Pulley teeth	20	22	20
	Min Idler Diameter	-	100	50
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S14M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

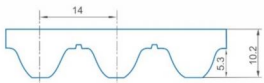


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:S14M (refer to the tooth profile)
Standard Width (mm) :25/40/55/85/100/115mm
Width Tolerance:±1mm
Thickness and Tolerance:10.2±0.45mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

S14M Tooth Profile



Load

Standard Width (mm)		25	40	55	85	100	115
Weight (gr/m) *		312	500	687	1062	1250	1437
Galvanized steel wire	Max Load (N)	5190	8650	12745	20485	24580	30150
	Breaking Force (N)	20760	34600	48440	77850	93420	105530
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	5045	8410	12400	19930	23915	29330
	Breaking Force (N)	20195	33655	47120	75730	90875	102660
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	115	113	111	109	108	106	99	93	88	84	76	69	60	52	46
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	26	32	32
	Min Idler Diameter	-	250	140
Aramid wire	Min number of Pulley teeth	26	32	32
	Min Idler Diameter	-	250	140
Illustration				

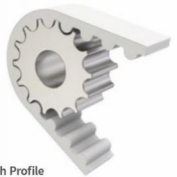
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



G2M Polyurethane Timing Belt Open End Belt

Product Features

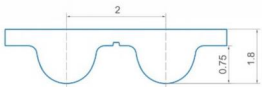


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Bold as standard product

Dimension

Type:G2M (refer to the tooth profile)
Standard Width (mm) :6/9/12/15/20/50mm
Width Tolerance:±0.3mm
Thickness and Tolerance:1.8±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

G2M Tooth Profile



Load

Standard Width (mm)		6	9	12	15	20	50
Weight (gr/m) *		15	23	30	38	50	125
Galvanized steel wire	Max Load (N)	246	369	492	615	820	2050
	Breaking Force (N)	984	1476	1968	2460	3280	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	270	405	540	675	900	2250
	Breaking Force (N)	1080	1620	2160	2700	3600	9000
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	7.3	7	6.8	6.7	6.6	6.4	5.9	5.7	5.4	5.2	4.9	4.6	4.2	4	3.6
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	20
Aramid wire	Min number of Pulley teeth	12	15	12
	Min Idler Diameter	-	30	200
Illustration				

G3M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

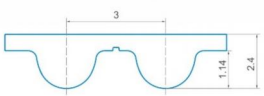


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:G3M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50mm
Width Tolerance:±3mm
Thickness and Tolerance:2.4±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

G3M Tooth Profile



Load

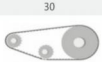
Standard Width (mm)		10	15	20	25	30	50
Weight (gr/m) *		23	34	46	57	69	115
Galvanized steel wire	Max Load (N)	410	615	820	1025	1230	2050
	Breaking Force (N)	1640	2460	3280	4100	4920	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	625	937	1250	1562	1875	3125
	Breaking Force (N)	2500	3750	5000	6250	7500	12500
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	23	23	22	22	22	22	21	20	20	19	18	17	16	15	13
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Illustration				

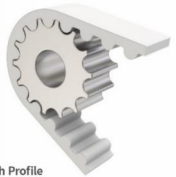
Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



G5M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

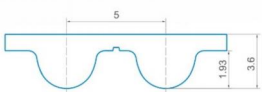


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:G5M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.6±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

G5M Tooth Profile



Load

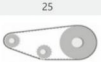
Standard Width (mm)		10	15	20	25	30	50	100
Weight (gr/m) *		38	57	76	95	114	190	380
Galvanized steel wire	Max Load (N)	670	1005	1340	1675	2010	3350	6700
	Breaking Force (N)	2680	4020	5360	6700	8040	13400	26800
	Extension Rate under Max Load%	0.4						
Aramid wire	Max Load (N)	820	1230	1640	2050	2460	4100	8200
	Breaking Force (N)	3295	4942	6590	8237	9885	16475	32950
	Extension Rate under Max Load%	0.8						

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	16	16	16
	Min Idler Diameter	-	50	25
Aramid wire	Min number of Pulley teeth	16	16	16
	Min Idler Diameter	-	50	25
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



P3M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

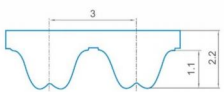


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:P3M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50mm
Width Tolerance:±0.3mm
Thickness and Tolerance:2.2±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

P3M Tooth Profile



Load

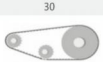
Standard Width (mm)		10	15	20	25	30	50
Weight (gr/m) *		25	37	50	62	75	125
Galvanized steel wire	Max Load (N)	410	615	820	1025	1230	2050
	Breaking Force (N)	1640	2460	3280	4100	4920	8200
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	625	937	1250	1562	1875	3125
	Breaking Force (N)	2500	3750	5000	6250	7500	12500
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	23	23	22	22	22	22	21	20	20	19	18	17	16	15	13
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Aramid wire	Min number of Pulley teeth	20	20	20
	Min Idler Diameter	-	30	30
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



P5M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

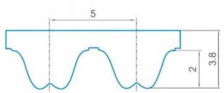


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:P5M (refer to the tooth profile)
Standard Width (mm) :10/15/20/25/30/50/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.8±0.2mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

P5M Tooth Profile



Load

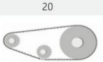
Standard Width (mm)		10	15	20	25	30	50	100
Weight (gr/m) *		46	24	92	115	138	230	460
Galvanized steel wire	Max Load (N)	670	1005	1340	1675	2010	3350	6700
	Breaking Force (N)	2680	4020	5360	6700	8040	13400	26800
	Extension Rate under Max Load%	0.4						
Aramid wire	Max Load (N)	820	1230	1640	2050	2460	4100	8200
	Breaking Force (N)	3295	4942	6590	8237	9885	16475	32950
	Extension Rate under Max Load%	0.8						

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	15	16	15
	Min Idler Diameter	-	60	20
Aramid wire	Min number of Pulley teeth	15	16	15
	Min Idler Diameter	-	60	20
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



P8M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

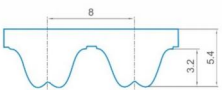


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:P8M (refer to the tooth profile)
Standard Width (mm):10/12/15/20/25/30/50/85/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:5.4±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

P8M Tooth Profile



Load

Standard Width (mm)		10	12	15	20	25	30	50	85	100
Weight (gr/m) *		65	78	97	130	162	195	325	552	650
Galvanized steel wire	Max Load (N)	1425	1710	2135	2850	3562	4275	7125	12112	14250
	Breaking Force (N)	5700	6840	8550	11400	14250	17100	28500	48450	57000
	Extension Rate under Max Load%	0.4								
Aramid wire	Max Load (N)	1200	1440	1800	2400	3000	3600	6000	10200	12000
	Breaking Force (N)	4800	5760	7200	9600	12000	14400	24000	40800	48000
	Extension Rate under Max Load%	0.8								

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	64	62	58	56	54	51	48	46	44	42	38	35	31	27	23
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	18	20	18
	Min Idler Diameter	-	100	45
Aramid wire	Min number of Pulley teeth	18	20	18
	Min Idler Diameter	-	100	45
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



P14M Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

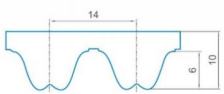


Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type:P14M (refer to the tooth profile)
Standard Width (mm):40/55/85/100/115/150mm
Width Tolerance:±1mm
Thickness and Tolerance:10±0.4mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

P14M Tooth Profile



Load

Standard Width (mm)		40	55	85	100	115	150
Weight (gr/m) *		480	660	1020	1200	1380	1845
Galvanized steel wire	Max Load (N)	15200	20900	32300	38000	43700	57000
	Breaking Force (N)	60800	83600	129200	152000	174800	228000
	Extension Rate under Max Load%	0.4					
Aramid wire	Max Load (N)	8410	12400	19930	23915	29330	38250
	Breaking Force (N)	33655	47120	75730	90875	102660	133905
	Extension Rate under Max Load%	0.8					

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	115	113	111	109	108	106	99	93	88	84	76	69	60	52	46
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	32	34	32
	Min Idler Diameter	-	250	145
Aramid wire	Min number of Pulley teeth	32	34	32
	Min Idler Diameter	-	250	145
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



TK10-K13 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

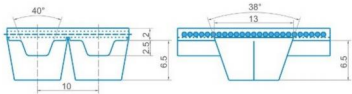


Main Body Materials: **Thermal Polyurethane**
Main Body Color: **White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness: **92 Shore A**
Core Wire Material: **Galvanized steel wire**/Aramid wire
Teeth Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type: TK10-K13 (refer to the tooth profile)
Standard Width (mm) : 30/50/75/100/120mm
Width Tolerance: ±0.5mm
Thickness and Tolerance: 8.5±0.3mm
Length Tolerance: ±0.8mm/m
Standard Roll Length: 100m or can be specified in length

TK10-K13 Tooth Profile



Load

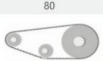
Standard Width (mm)		30	50	75	100	120
Weight (gr/m) *		200	300	415	510	620
Galvanized steel wire	Max Load (N)	2625	4375	6562	8750	10500
	Breaking Force (N)	10500	17500	26250	35000	42000
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	2700	4500	6750	9000	10800
	Breaking Force (N)	10800	18000	27000	36000	43200
	Extension Rate under Max Load%	0.8				

*The standard weight: skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	51	49	48	47	46	45	41	39	37	36	33	31	28	25	22
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	25	28	25
	Min Idler Diameter	-	80	80
Aramid wire	Min number of Pulley teeth	25	28	25
	Min Idler Diameter	-	80	80
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



ATK10-K13 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

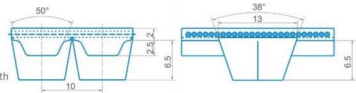


Main Body Materials: **Thermal Polyurethane**
Main Body Color: **White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness: **92 Shore A**
Core Wire Material: **Galvanized steel wire**/Aramid wire
Teeth Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side: **No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product

Dimension

Type: ATK10-K13 (refer to the tooth profile)
Standard Width (mm) : 30/50/75/100mm
Width Tolerance: ±0.5mm
Thickness and Tolerance: 8.5±0.3mm
Length Tolerance: ±0.8mm/m
Standard Roll Length: 100m or can be specified in length

ATK10-K13 Tooth Profile



Load

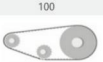
Standard Width (mm)		30	50	75	100
Weight (gr/m) *		215	330	465	620
Galvanized steel wire	Max Load (N)	4275	7125	10688	14250
	Breaking Force (N)	17100	28500	42750	57000
	Extension Rate under Max Load%	0.4			
Aramid wire	Max Load (N)	2700	10000	15000	20000
	Breaking Force (N)	10800	40000	60000	80000
	Extension Rate under Max Load%	0.8			

*The standard weight: skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	74	72	71	71	70	69	65	62	60	58	53	50	44	40	35
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	25	28	25
	Min Idler Diameter	-	120	100
Aramid wire	Min number of Pulley teeth	25	28	25
	Min Idler Diameter	-	120	100
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



ATN10 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

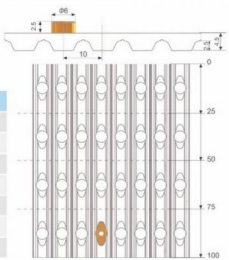
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Standard Nut: **M4 Brass** / Stainless
Bold as standard product



Dimension

Type:ATN10 (refer to the tooth profile)
Standard Width (mm) :25/50/75/100mm
Width Tolerance:±0.5mm
Thickness and Tolerance:4.5±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

ATN10 Tooth Profile



Load

Standard Width (mm)		25	50	75	100
Weight (gr/m) *		147	295	442	590
Galvanized steel wire	Max Load (N)	3563	7125	10688	14250
	Breaking Force (N)	14250	28500	42750	57000
	Extension Rate under Max Load%	0.4			
Aramid wire	Max Load (N)	5000	10000	15000	20000
	Breaking Force (N)	20000	40000	60000	80000
	Extension Rate under Max Load%	0.8			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	60	58	57	57	56	55	52	50	48	47	42	40	34	30	27
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	25		25
	Min Idler Diameter	-		80
Aramid wire	Min number of Pulley teeth	25		25
	Min Idler Diameter	-		80
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 800mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



ATN20 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

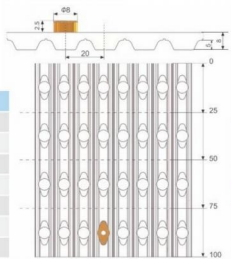
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**
Back Side:**No cloth**
Standard Nut: **M4 Brass** / Stainless
Bold as standard product



Dimension

Type:ATN20 (refer to the tooth profile)
Standard Width (mm) :50/75/100/150mm
Width Tolerance:±1mm
Thickness and Tolerance:8±0.45mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

ATN20 Tooth Profile



Load

Standard Width (mm)		50	75	100	150
Weight (gr/m) *		485	727	970	1455
Galvanized steel wire	Max Load (N)	9100	13650	18200	27300
	Breaking Force (N)	36400	54600	72800	109200
	Extension Rate under Max Load%	0.4			
Aramid wire	Max Load (N)	10935	17715	23915	39425
	Breaking Force (N)	43755	67315	90875	138000
	Extension Rate under Max Load%	0.8			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	122	118	114	112	109	107	97	91	86	82	74	68	60	54	46
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	30		30
	Min Idler Diameter	-		180
Aramid wire	Min number of Pulley teeth	30		30
	Min Idler Diameter	-		180
Illustration				

Joint Belt Features

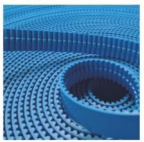
Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S5M-K6 Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

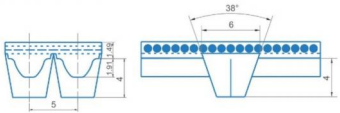
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type:S5M-K6 (refer to the tooth profile)
Standard Width (mm) :20/25mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.4±0.25mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

S5M-K6 Tooth Profile



Load

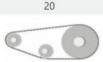
Standard Width (mm)		20	25
Weight (gr/m) *		90	112
Galvanized steel wire	Max Load (N)	1340	1675
	Breaking Force (N)	5360	6700
	Extension Rate under Max Load%	0.4	
Aramid wire	Max Load (N)	1374	1718
	Breaking Force (N)	5500	6875
	Extension Rate under Max Load%	0.8	

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	16	25	16
	Min Idler Diameter	-	60	20
Aramid wire	Min number of Pulley teeth	16	25	16
	Min Idler Diameter	-	60	20
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



S5MA Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

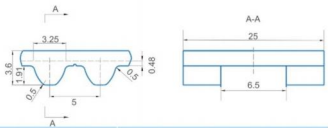
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Back Side:**No cloth**/Green Nylon Cloth/Black Nylon Cloth/Anti static black canvas
Bold as standard product



Dimension

Type:S5MA (refer to the tooth profile)
Standard Width (mm) :25/30mm
Width Tolerance:0-0.5mm
Thickness and Tolerance:3.6±0.25mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

S5MA Tooth Profile



Load

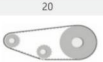
Standard Width (mm)		25	30
Weight (gr/m) *		85	106
Galvanized steel wire	Max Load (N)	1675	2010
	Breaking Force (N)	6700	8040
	Extension Rate under Max Load%	0.4	
Aramid wire	Max Load (N)	1718	2061
	Breaking Force (N)	6875	8250
	Extension Rate under Max Load%	0.8	

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	12	13	12
	Min Idler Diameter	-	60	20
Aramid wire	Min number of Pulley teeth	12	13	12
	Min Idler Diameter	-	60	20
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 600mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



B5M Arrow-Sync Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

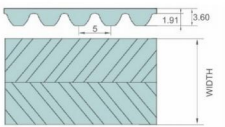
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/White Nylon Cloth/Black Nylon Cloth
Back Side:**No cloth**/White Nylon Cloth/Black Nylon Cloth
Bold as standard product



Dimension

Type:B5M (refer to the tooth profile)
Standard Width (mm):12/24/25mm
Width Tolerance:±0.5mm
Thickness and Tolerance:3.6±0.2mm
Length Tolerance:±0.5mm/m
Standard Roll Length: 100m or can be specified in length

B5M Tooth Profile



Load

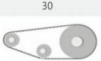
Standard Width (mm)		12	24	25
Weight (gr/m) *		60	120	125
Galvanized steel wire	Max Load (N)	804	1608	1675
	Breaking Force (N)	3216	6432	6700
	Extension Rate under Max Load%		0.4	
Aramid wire	Max Load (N)	825	1650	1718
	Breaking Force (N)	3300	6600	6875
	Extension Rate under Max Load%		0.8	

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	38	37	37	36	36	35	34	33	32	31	30	28	26	24	21
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	16	25	16
	Min Idler Diameter	-	60	30
Aramid wire	Min number of Pulley teeth	16	25	16
	Min Idler Diameter	-	60	30
Illustration				

Joint Belt Features

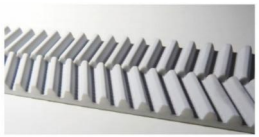
Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 700mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



B8M Arrow-Sync Polyurethane Timing Belt Open End Belt/Joint Belt

Product Features

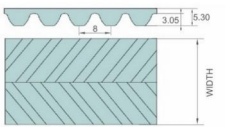
Main Body Materials:**Thermal Polyurethane**
Main Body Color:**White** /Black/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Teeth Side:**No cloth**/White Nylon Cloth/Black Nylon Cloth
Back Side:**No cloth**/White Nylon Cloth/Black Nylon Cloth
Bold as standard product



Dimension

Type:B8M (refer to the tooth profile)
Standard Width (mm):12/24/25mm
Width Tolerance:±0.5mm
Thickness and Tolerance:5.3±0.3mm
Length Tolerance:±0.8mm/m
Standard Roll Length: 100m or can be specified in length

B8M Tooth Profile



Load

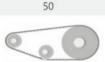
Standard Width (mm)		16	25	32	50
Weight (gr/m) *		85	145	180	300
Galvanized steel wire	Max Load (N)	2280	3562.5	4560	7125
	Breaking Force (N)	9120	14250	18240	28500
	Extension Rate under Max Load%	0.4			

*The standard weight:skeleton material is galvanized steel wire

Tooth Shear Force

Rotation Speed (rpm)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000
Shear Force (N/10mm)	85	83	82	81	80	79	75	71	68	66	61	57	51	46	40
Min number of clamping teeth (used with toothed plates)	6														

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding	Inner Tension Winding
Galvanized steel wire	Min number of Pulley teeth	20	30	20
	Min Idler Diameter	-	120	50
Illustration				

Joint Belt Features

Thermoplastic polyurethane timing belt can be fused into a circular belt through toothed connection, and is generally used in conveying equipment; The maximum tensile strength of the connecting belt depends on the connection point, the maximum allowable load, and 50% of the tooth shear strength of the belt body; The minimum connecting length is 900mm. Please refer to catalog P189~192 for information on the backing material and stopper of the connecting strip.



Back Attachment

HERZ Polyurethane timing Belt (Thermal Polyurethane) with backing materials including nylon cloth, silicone, PU, PVC, natural rubber, foam, etc. According to the requirements of the conveyed workpiece, the selection and specification of material types and backing material thickness can be carried out. Different backing materials have different hardness to prevent damage to the workpiece; It may also have effects such as flame resistance, water resistance, oil resistance, and damage resistance. The following shows you the types of commonly used backing materials, written with codes for specification selection.

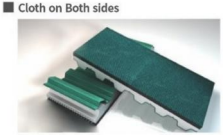
Part No. Example

1	2	3		4		5		6		7		8		9		10
PJ	W	S		30	–	T10	–	3.6	/	NT	–	2PW70	–	B001	–	P50

1. PJ: PU Joint Belt PO: PU Open End Belt
2. W: White H: Black B: Blue G: Green Y: Yellow R: Red T: Transparent
3. S: Steel core wire K: Kevlar core wire
4. Belt Width Unit:mm
5. Type
6. Length Unit: m
7. Nylon cloth adhering on both sides
   NT: Teeth side-Green Nylon cloth NB: Backside-Green Nylon cloth
   NTB: Both sides-Green Nylon cloth HT: Teeth side-Black Nylon cloth
   HB: Backside-Black Nylon cloth HTB: Both sides-Black Nylon cloth
8. Backlining+Material+Hardness
   EX:2PW70 means Thickness 2mm PU Backlining, Hardness 70ShA
9. Block information refer to P.191~192
10. The spacing between the blocks
    Ex: P50 means Install blocks at equal intervals of 50mm between each other

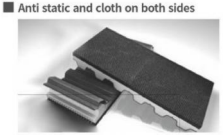
Cloth on Tooth side and Back side

Cloth on Both sides



Cloth Material: PA66
Cloth Color: Green (Code: NTB); Black (Code: HTB)
Material Features: Excellent wear resistance, smooth surface
Dmin=30 × Covering material 's Thickness mm
Widely used in General Conveyor, Glass Conveyor, Photovoltaic Industry Conveyor

Anti static and cloth on both sides



Material: PA66
Color: Black
Conductivity level: Conductivity level 10⁵~10⁸ (Code: CTB); 10⁷~10⁹ (Code: JTB)
Material Features: Antistatic and high wear resistance
Min pulley diameter requirement: Dmin=30 × Covering thickness mm
Widely used in Semiconductor processing, electronics industry, arms and ammunition transportation, metal profile transportation

Back Attachment

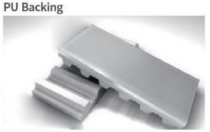
Natural Rubber



Material: Natural Rubber
Hardness(ShA): 55 (Code: RR)
Backing Color: Red
Standard Thickness: 2~6mm
Material Features: Good processability, high surface friction coefficient, good water and oil resistance
Min pulley diameter requirement: Dmin=30 × Covering thickness mm
Widely used in General Conveyor, Glass Conveyor, Ceramic conveyor

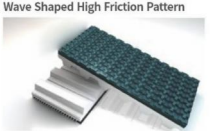
Back Attachment

PU Backing



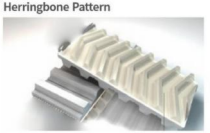
Material: PU (Polyurethane)
Hardness (ShA) : 60 70 80 85
Backing Color: Transparent Green White Yellow Black Blue
Code: PT PG PW PY PH PB
Standard Thickness: 2mm 3mm 5mm
Material Features: Excellent oil and wear resistance, good processability, high friction coefficient
Min pulley diameter requirement: Dmin=30 × Covering thickness mm
Widely used in General Conveyor, Glass Conveyor, Plate conveyor, Metal component conveyor
*When transporting in the photovoltaic industry, double-sided belt is applied with transparent polyurethane backing on the back of the belt

Wave Shaped High Friction Pattern



Material: PVC (Polyvinyl Chloride)
Hardness(ShA): 45 (Code: CG)
Backing Color: Blackish green
Standard Thickness: 3mm
Material Features: High friction coefficient
Min pulley diameter requirement: Dmin=12 × Covering thickness mm
Widely used in General Conveyor, Glass Conveyor, Plate conveyor, and other transfer machine.

Herringbone Pattern



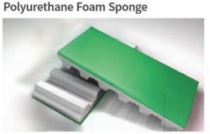
Material: PVC (Polyvinyl Chloride)
Hardness(ShA): 70 (Code: YW)
Backing Color: White
Standard Thickness: 3mm 3.5mm
Material Features: High friction coefficient
Min pulley diameter requirement: Dmin=15 × Covering thickness mm
Widely used in Glass Conveyor, Plate conveyor, Metal component conveyor.

Straight Stripe Pattern



Material: PU (Polyurethane)
Hardness(ShA): 70 (Code: ZT)
Backing Color: Transparent
Grey (Code: ZS)
Standard Thickness: 2.7mm
Material Features: Excellent oil and wear resistance, providing good friction when water and grease on the contact surface
Min pulley diameter requirement: Dmin=25 × Covering thickness mm
Widely used in General Conveyor, Glass Conveyor, Plate conveyor, and other transfer machine.

Polyurethane Foam Sponge



Material: Polyurethane Foam Sponge
Hardness(ShA): 25 30 (Code: PMG)
Backing Color: Green
Blue (Code: PMB)
Standard Thickness: 3 5 6 8 10 12 15 20 25 30 mm
Material Features: Certain oil and wear resistance, High resilience
Min pulley diameter requirement: Dmin=15 × Covering thickness mm
Widely used in fragile item conveying, clamping conveying, labeling machine.

Rubber Blue Cloth Sponge

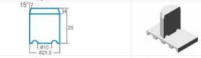


Material: Rubber Blue Cloth Sponge
Hardness(ShA): 25 (Code: RMB)
Backing Color: Blue
Standard Thickness: 3 4 5 6 8 10 12 13 15 20 30 mm
Material Features: High resilience ,sotf surface
Min pulley diameter requirement: Dmin=15 × Covering thickness mm
Widely used in fragile item conveying, clamping conveying, labeling machine.

Blocks

Polyurethane blocks, usually made of thermoplastic polyurethane (TPU), is made of the same material as polyurethane open end belts and joint belts, and seamlessly welded on the back of belts. We can design and manufacture according to the shape and characteristics of the customer's workpiece, which facilitates the positioning, beat control, and prevention of workpiece damage during the workpiece conveying process.

The following shows you the types of commonly used blocks, and you can also customize the size according to your drawing design requirements.

Code	Dimension	3D Pic	Code	Dimension	3D Pic
B001			B015		
B002			B016		
B003			B017		
B004			B018		
B005			B019		
B006			B020		
B007			B021		
B008			B022		
B009			B023		
B010			B024		
B011			B025		
B012			B026		
B013			B027		
B014			B028		

Blocks

■ **Min number of pulley teeth for installing the blocks on belts**

Blocks located at the top of the tooth

Blocks Thickness	4	5	6	8	10	12
XL	18	18	25	40	50	100
L	12	12	18	30	40	60
H	14	14	14	18	25	45
XH	18	18	18	28	18	20
T5/AT5	18	18	25	40	50	100
T10/AT10	14	14	14	18	25	45
T20/AT20	18	18	18	18	18	20
5M/S5M/P5M	18	18	25	40	50	100
8M/S8M/P8M	14	14	14	18	25	45
14M/S14M/P14M	18	18	18	18	18	20

Blocks located at the groove of the tooth

Blocks Thickness	4	5	6	8	10	12
XL	45	45	50	60	100	-
L	40	40	45	55	60	80
H	25	25	30	45	50	65
XH	20	20	30	40	45	54
T5/AT5	45	45	50	60	100	-
T10/AT10	30	30	40	45	50	65
T20/AT20	20	20	30	40	45	54
5M/S5M/P5M	45	45	50	60	100	-
8M/S8M/P8M	30	30	40	45	50	65
14M/S14M/P14M	20	20	30	40	45	54

Attn: The positional tolerance for blocks is+/-0.5mm



Cast Polyurethane Timing Belts

Industry/Application

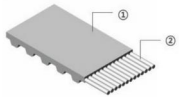
Cast polyurethane timing belt has high strength and excellent power transmission performance. The timing belt mold is processed using high-precision equipment, and the tooth profile and pitch meet international standards, making it a representative product of precision engineering transmission. Mainly applicable to various semiconductor equipment, medical devices, printing equipment, household appliances, optical instruments, food processing equipment, photovoltaic equipment, and lifting transmission systems.



Features/Advantages

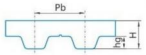
- Strong weather resistance and a wide temperature range of -30 °C ~90 °C.
- Polyurethane has excellent wear resistance and service life, suitable for dust-free environments.
- Maintain balance during high-speed operation, achieve efficient transmission.
- Galvanized steel wire or aramid wire with strong bonding force of polyurethane, and avoid premature fatigue damage.

Structure and Materials



Product Code	①Main Material	②Skeleton Material
UTTS	Transparent/ Light gray polyurethane	Steel core wire
UTHK	Black polyurethane	Aramid core wire

MXL/XL



Part No. Example

UTHK B143 MXL 025

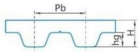
- Inch Width
- Type
- Belts Spec.
- Product Categories

*Belts Spec: MXL - teeth No. / XL - Inch Size

Specifications

Type	Pitch Pb	Teeth Height hg	Belt Thickness	Product Code	Teeth Range
MXL	2.032	0.51	1.14	UTHK	40~400
XL	5.08	1.27	2.3	UTTS, UTHK	40~160

T2.5/T5/T10



Part No. Example

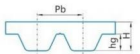
UTTS 500-T5-10

- Width mm
- Type
- Belt lead wire length mm
- Product Categories

Specifications

Type	Pitch Pb	Teeth Height hg	Belt Thickness	Product Code	Teeth Range
T2.5	2.5	0.7	1.3	UTHK	40~400
T5	5	1.2	2.2	UTTS, UTHK	40~160
T10	10	2.5	4.5	UTTS	40~100

AT3/AT5/AT10



Part No. Example

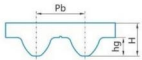
UTTS 500-AT5-10

- Width mm
- Type
- Belt lead wire length mm
- Product Categories

Specifications

Type	Pitch Pb	Teeth Height hg	Belt Thickness	Product Code	Teeth Range
AT3	3	1.1	1.9	UTTS, UTHK	40~300
AT5	5	1.2	2.7	UTTS, UTHK	40~160
AT10	10	2.5	4.5	UTTS	40~100

S2M/S3M/S5M



Part No. Example

UTHK 300-S3M-15

- Width mm
- Type
- Belt lead wire length mm
- Product Categories

Specifications

Type	Pitch Pb	Teeth Height hg	Belt Thickness	Product Code	Teeth Range
S2M	2	0.76	1.36	UTHK	40~400
S3M	3	1.14	1.94	UTHK	40~300
S5M	5	1.91	3.41	UTTS, UTHK	40~200


POLYURETHANE FLAT BELTS

Polyurethane Flat Belts

Product Features

Main Body Materials:**Thermal Polyurethane**
Main Body Color:**Blue**/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Bold as standard product
F1 standard products are blue; F2/F2.5/F3 standard products are black

Part No. Example

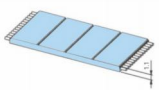
1 PU Open End Belt	2 Color	3 Core Wire Material	4 Width		5 Type (Thickness)		6 Length (m)
PO	B	S	10	–	F1	–	2.50

2 Color	Code
Black	H
Blue	B

3 Core Wire Material	Code
Galvanized steel	S
Aramid wire	K

Type F1

Standard Width: 10/12/15/20/25mm
Width Tolerance: ±0.2mm
Thickness and Tolerance: 1.1±0.2mm
Length Tolerance: ±0.8mm/m

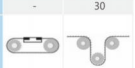


Specifications

Standard Width (mm)		10	12	15	20	25
Weight (gr/m)*		19	22	28	38	48
Galvanized steel wire	Max Load (N)	410	492	615	820	1025
	Breaking Force (N)	1640	1968	2460	3280	4100
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	625	750	937	1250	1562
	Breaking Force (N)	2500	3000	3750	5000	6250
	Extension Rate under Max Load%	0.8				

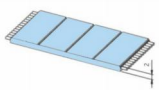
*The standard weight:skeleton material is galvanized steel wire

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding
Galvanized steel wire	Min Pulley	16	25
	Min Idler Diameter	-	30
Aramid wire	Min Pulley	16	25
	Min Idler Diameter	-	30
Illustration			

Type F2

Standard Width: 15/20/25/50/100mm
Width Tolerance: ±0.3mm
Thickness and Tolerance: 2±0.2mm
Length Tolerance: ±0.8mm/m

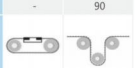


Specifications

Standard Width (mm)		15	20	25	50	100
Weight (gr/m)*		75	100	125	250	500
Galvanized steel wire	Max Load (N)	1980	2640	3300	6600	13200
	Breaking Force (N)	7920	10560	13200	26400	52800
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	2750	3850	4675	9625	19250
	Breaking Force (N)	11000	15400	18700	38500	77000
	Extension Rate under Max Load%	0.8				

*The standard weight:skeleton material is galvanized steel wire

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding
Galvanized steel wire	Min Pulley	45	50
	Min Idler Diameter	-	90
Aramid wire	Min Pulley	45	50
	Min Idler Diameter	-	90
Illustration			

Polyurethane Flat Belts

Product Features

Main Body Materials:**Thermal Polyurethane**
Main Body Color:**Black**/Other colors can be customized according to the minimum order quantity
Main Body Hardness:**92 Shore A**
Core Wire Material:**Galvanized steel wire**/Aramid wire
Standard Roll Length: 100m can be specified in length
Bold as standard product
F1 standard products are blue; F2/F2.5/F3 standard products are black

Part No. Example

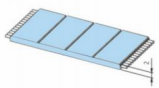
1 PU Open End Belt	2 Color	3 Core Wire Material	4 Width		5 Type (Thickness)		6 Length (m)
PO	B	S	20	–	F2.5	–	3.50

2 Color	Code
Black	H
Blue	B

3 Core Wire Material	Code
Galvanized steel	S
Aramid wire	K

Type F2.5

Standard Width: 15/20/25/50/100mm
Width Tolerance: ±0.3mm
Thickness and Tolerance: 2.5±0.2mm
Length Tolerance: ±0.8mm/m

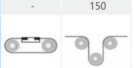


Specifications

Standard Width (mm)		15	20	25	50	100
Weight (gr/m)*		81	108	135	270	540
Galvanized steel wire	Max Load (N)	2850	3800	4750	9500	19000
	Breaking Force (N)	11400	15200	19000	38000	76000
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	2750	3850	4675	9625	19250
	Breaking Force (N)	11000	15400	18700	38500	77000
	Extension Rate under Max Load%	0.8				

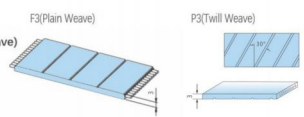
*The standard weight:skeleton material is galvanized steel wire

Requirements for Turning Radius

Rotation method		Linear Drive	Reverse Winding
Galvanized steel wire	Min Pulley	56	62
	Min Idler Diameter	-	150
Aramid wire	Min Pulley	56	62
	Min Idler Diameter	-	150
Illustration			

Type F3(Plain Weave)/P3(Twill Weave)

Standard Width: 25/30/50/75/100mm
Width Tolerance: ±0.5mm
Thickness and Tolerance: 3±0.2mm
Length Tolerance: ±0.8mm/m

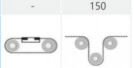


Specifications

Standard Width (mm)		25	30	50	75	100
Weight (gr/m)*		180	215	360	540	720
Galvanized steel wire	Max Load (N)	5280	6160	10610	15915	21220
	Breaking Force (N)	21120	24640	42440	63660	84880
	Extension Rate under Max Load%	0.4				
Aramid wire	Max Load (N)	6500	7800	13000	19500	26000
	Breaking Force (N)	26000	31200	52000	78000	104000
	Extension Rate under Max Load%	0.8				

*The standard weight:skeleton material is galvanized steel wire

Requirements for Turning Radius

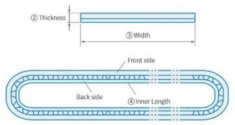
Rotation method		Linear Drive	Reverse Winding
Galvanized steel wire	Min Pulley	56	62
	Min Idler Diameter	-	150
Aramid wire	Min Pulley	56	62
	Min Idler Diameter	-	150
Illustration			



CONVEYOR BELTS

Conveyor Belts (PU/PVC material)

■ Drawing



■ Part No. Example

① TYPE	② Thickness (mm)		③ Width (mm)		④ Inner Length (m)
FPUWL	1.5	–	15	–	5.20

■ Dimension Range and Torlerance

② Thickness	0.8~4.0mm	±0.2mm	Notes:
③ Width	10~500mm	±1mm	Width specified in units of 1mm
④ Length	0.5~20m	±0.01m	Length specified in units of 0.01m

① Type	Front Material	Back Material	Front Color	Front Pattern	Front Gloss	Layer	② Thickness (mm)	Min Pulley Diameter (φmm)	Tension (N/mm)	Unit Weight (kg/m2)	Friction coefficient (Ref. Against Polished Steel) Front side	Friction coefficient (Ref. Against Polished Steel) Back side	Continuous Use Temperature (℃)	Anti Satic Level (Ω)	Front Ref. Pic.
FPUWL	PU	Polyester Canvas	White	Smooth Plane	Glossy	1	0.8	8	4	1	0.5	0.1	-20~80	-	
FPULY			Blue	Smooth Plane	Matte	1	0.8	8	4	1	0.4	0.1			
							1.0	10		1.2					
							1.2	20		1.4					
						2	1.5	30	6	1.8					
							2.0	40		2.4					
FPUWY			White	Smooth Plane	Matte	1	1.0	10	4	1.2	0.4	0.1			
							1.2	20		1.4					
						2	2.0	40	6	2.4	0.4	0.1			
FPUWZ			White	Diamond Pattern	Matte	1	1.2	20	4	1.4	0.6	0.1			
						2	1.8	30	6	2.1					
FPUBY			Green Black	Fabric Plane	Matte	2	1.5	30	6	1.8	0.2	0.1			
FPULL			Blue	Smooth Plane	Glossy	1	1.2	20	4	1.4	0.5	0.1			
FPULZ			Blue	Diamond Pattern	Matte	1	1.2	20	4	1.4	0.6	0.1			
						2	1.8	30	6	2.1					
FPUGY			Blackish Green	Smooth Plane	Matte	2	1.3	20	6	1.5	0.4	0.1			
							1.5	30		1.8					
FJUBY			Black	Smooth Plane	Matte	1	1.2	20	4	1.4	0.4	0.1		10^7	
						2	2.0	40	6	2.4					
				Fabric Plane	Matte	2	1.5	30	6	1.8	0.6	0.1			
FPCWL	PVC	Polyester Canvas	White	Smooth Plane	Glossy	2	2.0	40	6	2.4	0.5	0.1	-5~80	-	
FPCGL			Green	Smooth Plane	Glossy	2	2.0	40	6	2.4	0.5	0.1			
							3.0	50		3.6					
FPCGY			Green	Smooth Plane	Matte	2	2.0	40	6	2.4	0.4	0.1			
							3.0	50		3.6					
FPCMY			Blackish Green	Smooth Plane	Matte	2	2.0	40	6	2.4	0.4	0.1			
							3.0	50		3.6					
FPCBY			Black	Smooth Plane	Matte	2	2.0	40	6	2.4	0.4	0.1			
							3.0	50		3.6					
						3	4.0	80	12	4.8					
FPCMY			Blackish Green	Smooth Plane	Matte	3	4.0	80	12	4.8	0.4	0.1			
FPCLL			Blue	Smooth Plane	Glossy	2	2.0	40	6	2.4	0.5	0.1			
FPCGZ			Green	Diamond Pattern	Matte	2	2.0	40	6	2.4	0.6	0.1			
FPCWZ			White	Diamond Pattern	Matte	2	2.0	40	6	2.4	0.6	0.1			
FPCLY			Blue	Smooth Plane	Matte	2	3.0	50	6	3.6	0.4	0.1			
FPCLZ			Blue	Diamond Pattern	Matte	2	3.0	50	6	3.6	0.6	0.1			

Notes:
1. The conveyor belt adopts seamless connection technology with finger joints and is shipped in a looped state.
2. The anti-static level is the surface resistivity, which may vary with environmental influences. For reference only.
3. The permanent stretch rate of the conveyor belt is a maximum of 1% relative to the total length, For reference only
4. For detailed product selection of pulleys and idler pulleys, please refer to P.84~88

Appendix
Technical Reference

Tooth Profile Specifications

1、Tooth Profile Specification Overview 202
2、Pulleys Flange Specifications 205
3、Common Tolerance Definition 206

Design Guide

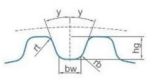
4、Rubber Belts Design Guide 207
5、PU Belts Design Guide 233
6、PU Belts Installation Guide 236

Failure Analysis

7、Rubber Timing Belts Installation, Maintenance, Failure modes and Corrective Measures 237
8、Rubber V Belts Failure modes and Corrective Measures 239

Timing Belt Tooth Profile and Specification

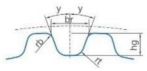
Trapezoidal teeth Pulleys



Type	Involute Tooth Pb	Profile Angle 2Y°	Tooth Base Width bw	Tooth Height hg	Root Fillet Radius rb	Tooth Tip Fillet Radius rt
MXL	2.032	(56)40	(0.61)0.6740	0.64	0.30	0.23
XL	5.080	50	1.27	1.40	0.61	0.61
L	9.525		3.10	2.13	0.86	0.53
H	12.700	40	4.24	2.59	1.47	(1.04)1.42
XH	22.225		7.59	6.88	2.01	1.19
XXH	31.750		11.61	10.29	2.69	1.52

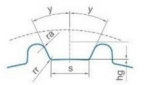
For MXL type° Value in ( ) represents dimension for Teeth No. less than 23°°
For H type° Value in ( ) represents dimension for Teeth No. less than 19.

T-shaped teeth Pulleys



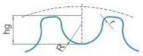
Type	Pitch Pb	Profile Angle 2Y°	Tooth Groove Tip Width br	Tooth Height hg	Root Fillet Radius rt	Tooth Tip Fillet Radius rb
T2.5	2.5		1.83	1.00	0.20	0.30
T5	5.00	50	3.18	1.80	0.40	0.60
T10	10.00		6.38	3.20	0.60	0.80
T20	20.00		12.6	6.00	0.80	1.20

AT teeth Pulleys



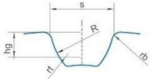
Type	Pitch Pb	Profile Angle 2Y°	Tooth Groove Bottom Width S	Tooth Height hg	Root Fillet Radius rr	Tooth Tip Fillet Radius ra
AT3	3.00		1.65	1.00	0.25	0.20
AT5	5.00	50	2.70	1.10	0.40	0.70
AT10	10.00		5.40	2.35	0.50	1.20
AT20	20.00		10.8	4.65	1.50	2.50

HTD teeh Pulleys



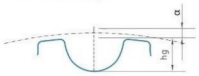
Type	Pitch Pb	Tooth Height hg	Teeth Profile R Radius R	Tooth Tip Fillet Radius r
3M	3.00	1.23	0.91	0.130~0.352
5M	5.00	2.05	1.40	0.381~0.620
8M	8.00	3.60	2.60	0.794~1.098
14M	14.00	6.20	4.70	1.464~1.860
20M	20.00	8.60	6.20	2.095~2.629

STD teech Pulleys



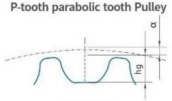
Type	Pitch Pb	Tooth Groove Width s	Tooth Height hg	Teeth Profile R Radius R	Root Fillet Radius rt	Tooth Tip Fillet Radius rb
S2M	2.00	1.30	0.76	1.325	0.10	0.19
S3M	3.00	1.95	1.11	1.975	0.15	0.28
S5M	5.00	3.25	1.77	3.275	0.25	0.55
S8M	8.00	5.20	2.83	5.300	0.40	0.75
S14M	14.00	9.10	4.95	9.280	0.75	1.31

G Y teech Pulleys



Type	Pitch Pb	Line Distance α	Tooth Height hg
G2M	2.00	0.254	0.75
G3M	3.00	0.381	1.14
G5M	5.00	0.571	1.93
8YU	8.00	0.686	3.02

P-tooth parabolic tooth Pulley



(Unit mm)

Type	Pitch Pb	Line Distance α	Tooth Height hg
P3M	3.00	0.381	1.15
P5M	5.00	0.571	2.06
P8M	8.00	0.686	3.47
P14M	14.00	1.397	6.04

Polyurethane Timing Belt Tooth Profile and Specification

Type	Pitch Pb	Tooth Height hg	Thichness H
MXL	2.032	0.51	1.80
XL	5.08	1.27	2.30
L	9.525	1.91	3.60
H	12.7	2.29	4.30
XH	22.225	6.35	11.20

Type	Pitch Pb	Tooth Height hg	Thichness H
T2.5	2.5	0.70	1.80
T5	5	1.20	2.40
T10	10	2.50	4.50
T20	20	5.00	8.00

Type	Pitch Pb	Tooth Height hg	Thichness H
AT3	3	1.10	1.90
AT5	5	1.20	2.70
AT10	10	2.50	4.50
AT20	20	5.00	8.00

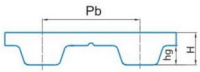
Type	Pitch Pb	Tooth Height hg	Thichness H
3M	3	1.17	2.40
5M	5	2.10	3.60
8M	8	3.38	5.60
14M	14	6.01	10.00
20M	20	8.4	13.2

Type	Pitch Pb	Tooth Height hg	Thichness H
S2M	2	0.76	1.80
S3M	3	1.14	2.20
S5M	5	1.91	3.40
S8M	8	3.05	5.30
S14M	14	5.30	10.20

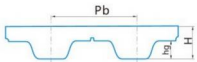
Type	Pitch Pb	Tooth Height hg	Thichness H
G2M	2	0.75	1.8
G3M	3	1.14	2.4
G5M	5	1.93	3.6

Type	Pitch Pb	Tooth Height hg	Thichness H
P3M	3	1.1	2.20
P5M	5	2.00	3.80
P8M	8	3.20	5.40
P14M	14	6.00	10.00

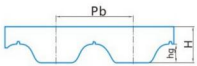
Trapezoidal Tooth Timing Belt



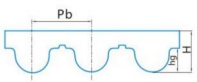
T-Timing Belt



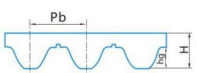
AT Timing Belt



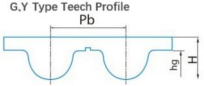
HTD Timing Belt



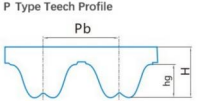
STD Timing Belt



G,Y Type Teech Profile

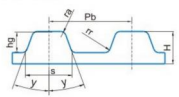


P Type Teech Profile



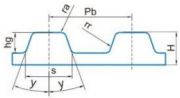
Rubber Timing Belt Tooth Profile and Specification

Trapezoidal Tooth Timing Belt



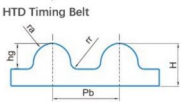
Type	Pitch Pb	Profile Angle 2Y°	Root Thickness of Teeth s	Tooth Height hg	Root Fillet Radius rr	Tooth Tip Fillet Radius ra	Thickness H
MXL	2.032	40	1.14	0.51	0.13	0.13	1.14
XL	5.080	50	2.57	1.27	0.38	0.38	2.3
L	9.525		4.65	1.91	0.51	0.51	3.6
H	12.700		6.12	2.29	1.02	1.02	4.3
XH	22.225	40	12.57	6.35	1.57	1.19	11.2
XXH	31.750		19.05	9.53	2.29	1.52	15.7

T-Timing Belt



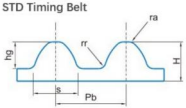
Type	Pitch Pb	Profile Angle 2Y°	Root Thickness of Teeth s	Tooth Height hg	Root Fillet Radius rr	Tooth Tip Fillet Radius ra	Thickness H
T2.5	2.5		1.50	0.70	0.2	0.2	1.3
T5	5	40	2.65	1.20	0.4	0.4	2.2
T10	10		5.30	2.50	0.6	0.6	4.5
T20	20		10.15	5.00	0.8	0.8	8.0

HTD Timing Belt



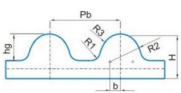
Type	Pitch Pb	Tooth Height hg	Root Fillet Radius rr	Tooth Tip Fillet Radius ra	Thickness H
3M	3	1.21	0.30	0.86	2.40
5M	5	2.08	0.41	1.50	3.80
8M	8	3.38	0.76	2.59	6.00
14M	14	6.02	1.42	4.46	10.00
20M	20	8.68	2.03	6.40	13.20

STD Timing Belt



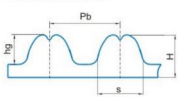
Type	Pitch Pb	Tooth Thickness of Teeth s	Tooth Height hg	Root Fillet Radius rr	Tooth Tip Fillet Radius ra	Thickness H
S2M	2	1.30	0.76	0.20	0.20	1.36
S3M	3	1.95	1.14	0.30	0.30	1.94
S4.5M	4.5	2.93	1.71	0.45	0.45	2.70
S5M	5	3.25	1.91	0.50	0.50	3.41
S8M	8	5.20	3.05	0.80	0.80	5.30
S14M	14	9.10	5.30	1.40	1.40	10.2

G,Y Type Teech Profile



Type	Pitch Pb	Tooth Height hg	Root Fillet Radius R1	Side Arc Radius R2	Tooth Tip Fillet Radius R3	b	Thickness H
G2M	2.0	0.75	0.15	1.00	0.555	0.40	1.38
G3M	3.0	1.14	0.25	1.52	0.85	0.61	2.40
G5M	5.0	1.93	0.51	2.54	1.37	1.03	3.80
8YU	8.0	3.02	1.08	3.80	2.10	1.43	5.00

P Type Teech Profile



Type	Pitch Pb	Tooth Thickness of Teeth s	Tooth Height hg	Thickness H
P3M	3	1.95	1.27	2.40
P5M	5	3.33	2.15	3.80
P8M	8	5.49	3.50	5.40
P14M	14	9.61	6.13	9.70

(mm)