



# Guide to Timing Pulley Product Specifications

# **TSUBAKI** Story

Tsubaki of Canada Limited is the Canadian division of the Tsubakimoto Chain Company of Japan, a global leader in the production and sale of industrial power transmission products. Tsubakimoto has built a global reputation amongst our customers for delivering value-added innovations in quality and technology for close to a century.

Tsubaki has been serving the Canadian market since 1973 from our Mississauga, Ontario based head office and production/distribution facility. We also have a distribution and product alteration service center in Edmonton, Alberta.

We offer a full line of reliable premium power transmission products including precision roller chains, sprockets, timing pulleys and bushings. The Tsubaki Advantage: lowering your cost, increasing productivity and saving you money.



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# SYNCHRONICITY

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Timing pulleys mate with same-pitch timing belts in synchronous drives. Timing pulleys are used in power transmission systems where maintenance of speed ratio is an important design consideration. These synchronous belt drive systems are durable, highly efficient, and suitable for many different applications.

And now you can buy synchronous timing pulleys from Tsubaki - the same supplier that you have grown to trust for quality sprockets. Tsubaki provides products to meet the most demanding requirements of the high speed, high cycling, and precise positioning timing pulley applications. Many common bore sizes are inventoried and any bore size is available on a make-to-order basis from our factory in Toronto. "Taper Lock" style, Split Taper and "QD" style bushings are available. And we also supply our exclusive keyless bushing type timing pulleys.

All of our pulleys offer positive, non-slip drive, provide a non-lubricated/clean operation, have long life, are quiet and have low maintenance requirements.

Tsubaki offers 3 different types of pulleys to meet industry requirements.

### 1. Trapezoidal:

- Tsubaki's standard – suitable for lower horsepower applications, but with good accuracy.
- XL, L and H types are available from stock. XH and XXH types are available on a made-to-order basis.
- Bore options: Stock Bore, Finished Bore, "Taper Lock" style, "QD" style, Split-Taper and Tsubaki's exclusive locking type sleeve.
- Static balanced with precise dimensions to produce better performance.

### 2. THT:

- The choice where both higher horsepower and greater accuracy are required.
- Bore options: Stock Bore, Finished Bore, "Taper-Lock" style, "QD" style and Tsubaki's exclusive locking type sleeve.
- The THT pulley can be used with "HTD" style and "PowerGrip" style belts in 5mm, 8mm and 14mm pitches.
- Machined to precise dimensions to produce better performance.

### 3. PerformaGrip:

- The best choice for high horsepower applications. These are designed to work with high strength timing belts.
- Bore options: Stock Bore, Finished Bore and "Taper-Lock" style.
- Compared to standard roller chain drive systems, the PerformaGrip pulley drive system runs cleaner, quieter and maintenance free. PerformaGrip pulley drive systems helps to eliminate oily mess, noise, pollution, maintenance issues and unpredictable breakdowns.
- PerformaGrip pulleys can be used with "Poly Chain" style belts in 8mm, and 14mm pitches.

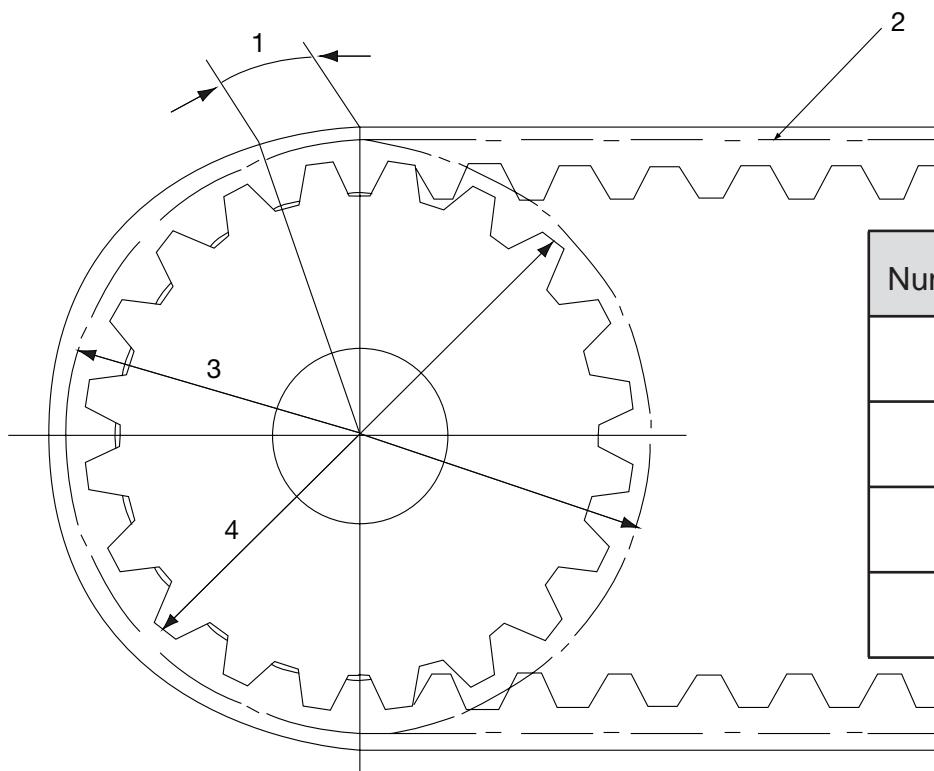
Measurement	Performance		
	Trapezodial	THT	PerformaGrip
Power Rating	★★	★★★	★★★★★
Accuracy	★★★	★★★	★★
Noise	★	★★★	★



= Poor ...



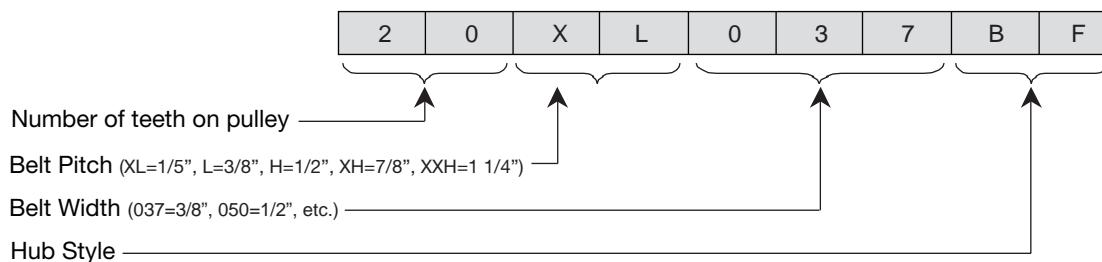
= Excellent.



Number	Name
1	Pitch
2	Belt pitch line
3	Pitch diameter (D <sub>p</sub> )
4	Outside diameter (D <sub>o</sub> )



### How to Read Item Numbers:



# ISO Trapezoidal Type Pulley



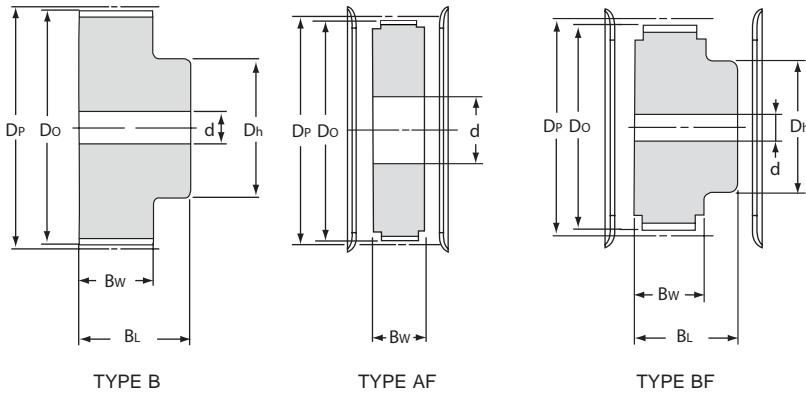
TYPE	PITCH	DESCRIPTION	BELT WIDTH
XL	1/5"	EXTRA LIGHT DUTY	3/8"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		XL037		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
10XL037BF	10	0.637	0.617	BF	0.394	1/8	5/32	0.591	0.945	0.06	SF10230120
11XL037BF	11	0.700	0.680	BF	0.433	1/8	5/32	0.591	0.945	0.07	SF10230130
12XL037BF	12	0.764	0.744	BF	0.433	5/32	1/4	0.591	0.945	0.08	SF10260150
14XL037BF	14	0.891	0.871	BF	0.551	3/16	5/16	0.591	0.945	0.11	SF10290180
15XL037BF	15	0.955	0.935	BF	0.591	3/16	29/32	0.591	0.945	0.13	SF10310190
16XL037BF	16	1.019	0.999	BF	0.669	3/16	33/64	0.591	0.945	0.15	SF10320212
18XL037BF	18	1.146	1.126	BF	0.748	3/16	19/32	0.591	1.024	0.21	SF10360224
20XL037BF	20	1.273	1.253	BF	0.906	3/16	13/22	0.591	1.024	0.27	SF10390265
21XL037BF	21	1.337	1.317	BF	1.024	1/4	45/64	0.591	1.024	0.30	SF10430300
22XL037BF	22	1.322	1.381	BF	1.024	1/4	45/64	0.591	1.024	0.33	SF10430300
24XL037BF	24	1.528	1.508	BF	1.024	1/4	45/64	0.591	1.024	0.37	SF10450335
28XL037BF	28	1.783	1.763	BF	1.102	1/4	3/4	0.591	1.024	0.50	SF10520400
30XL037BF	30	1.910	1.890	BF	1.102	3/8	3/4	0.591	1.024	0.55	SF10550425
32XL037AF or BF	32	2.037	2.017	AF or BF	1.102	3/8	3/4	0.591	1.024	0.61	SF10580450
36XL037AF or BF	36	2.292	2.272	AF or BF	1.181	3/8	25/32	0.591	1.024	0.77	SF10650530
38XL037AF or BF	38	2.419	2.399	AF or BF	1.181	3/8	25/32	0.591	1.024	0.85	SF10670560
40XL037AF or BF	40	2.546	2.526	AF or BF	1.181	3/8	25/32	0.591	1.024	0.93	SF10710600
42XL037AF or BF	42	2.674	2.654	AF or BF	1.327	3/8	7/8	0.591	1.102	1.1	SF10740630
44XL037BF	44	2.801	2.781	BF	1.391	3/8	7/8	0.591	1.102	1.2	SF10820670
48XL037BF	48	3.056	3.036	BF	1.518	3/8	7/8	0.591	1.102	1.4	SF10860710
50XL037B	50	3.183	3.163	B	1.581	3/8	7/8	0.591	1.102	1.6	-
60XL037B	60	3.820	3.800	B	1.900	3/8	7/8	0.591	1.102	2.3	-
72XL037B	72	4.584	4.564	B	2.282	3/8	7/8	0.591	1.102	3.3	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley

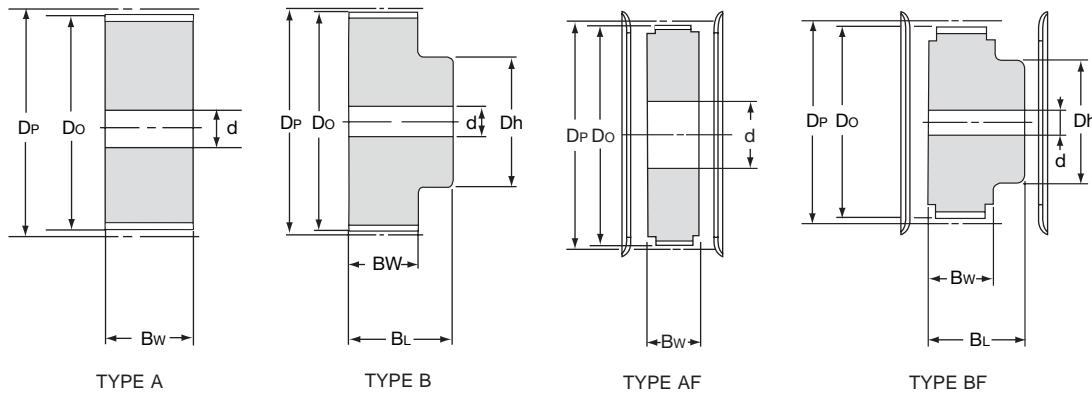
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	1/2"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Hub Diameter Dh	Bore Size d		L050		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width Bw	LTB BL		
10L050AF or BF	10	1.194	1.164	AF or BF	0.748	1/4	15/32	0.772	1.201	0.26	SF16360224
12L050AF or BF	12	1.432	1.402	AF or BF	1.024	1/4	43/64	0.772	1.201	0.41	SF16430300
14L050AF or BF	14	1.671	1.641	AF or BF	1.142	3/8	3/4	0.772	1.201	0.54	SF16490335
15L050AF or BF	15	1.791	1.761	AF or BF	1.260	3/8	25/32	0.772	1.201	0.64	SF16520375
16L050AF or BF	16	1.910	1.880	AF or BF	1.378	3/8	7/8	0.772	1.280	0.77	SF16550425
17L050AF or BF	17	2.029	1.999	AF or BF	1.496	3/8	7/8	0.772	1.280	0.89	SF16568420
18L050AF or BF	18	2.148	2.119	AF or BF	1.496	7/16	63/64	0.772	1.280	1.0	SF16610450
19L050AF or BF	19	2.268	2.238	AF or BF	1.575	7/16	63/64	0.772	1.280	1.1	SF16660500
20L050AF or BF	20	2.387	2.357	AF or BF	1.575	7/16	1 1/32	0.772	1.280	1.2	SF16670530
21L050AF or BF	21	2.507	2.477	AF or BF	1.575	7/16	1 1/32	0.772	1.280	1.3	SF16700560
22L050AF or BF	22	2.626	2.596	AF or BF	1.575	7/16	1 1/32	0.772	1.280	1.4	SF16730560
24L050AF or BF	24	2.865	2.835	AF or BF	1.575	7/16	1 1/32	0.772	1.280	1.6	SF16790630
25L050AF or BF	25	2.984	2.954	AF or BF	1.654	7/16	1 3/32	0.772	1.280	1.7	SF16820670
26L050AF or BF	26	3.104	3.074	AF or BF	1.654	7/16	1 3/32	0.772	1.280	1.9	SF16860710
28L050AF or BF	28	3.342	3.312	AF or BF	1.732	7/16	1 3/16	0.772	1.280	2.1	SF16910770
30L050AF or BF	30	3.581	3.551	AF or BF	1.732	7/16	1 3/16	0.772	1.280	2.4	SF16970800
32L050AF or BF	32	3.820	3.790	AF or BF	1.732	7/16	1 3/16	0.772	1.280	2.7	SF161030850
36L050AF or BF	36	4.297	4.267	AF or BF	1.732	9/16	1 3/16	0.772	1.280	3.3	SF1611501020
40L050AF or BF	40	4.775	4.744	AF or BF	1.890	9/16	1 1/4	0.772	1.398	4.2	SF1612701120
44L050AF or BF	44	5.252	5.222	AF or BF	2.611	9/16	1 1/4	0.772	1.398	5.5	SF1613901250
48L050AF or BF	48	5.730	5.700	AF or BF	2.850	9/16	1 1/4	0.772	1.398	6.6	SF1615101370
50L050AF or BF	50	5.969	5.938	AF or BF	2.969	9/16	1 1/4	0.772	1.398	7.1	SF1615801400
60L050A or B	60	7.162	7.132	A or B	3.566	9/16	1 11/32	0.772	1.398	10	-
72L050B	72	8.594	8.564	B	4.282	9/16	1 11/32	0.772	1.398	15	-
80L050B	80	9.549	9.519	B	4.760	9/16	1 11/32	0.772	1.398	19	-



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# ISO Trapezoidal Type Pulley



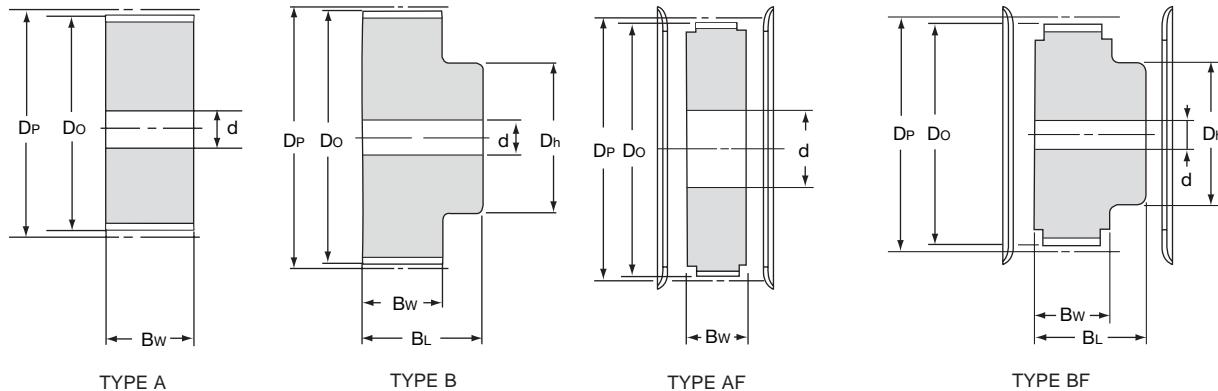
TYPE	PITCH	DESCRIPTION				BELT WIDTH
		L	3/8"	LIGHT DUTY		

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		L075		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
18L075AF or BF	18	2.148	2.119	AF or BF	1.496	7/16	63/64	1.024	1.516	1.2	SF16610450
20L075AF or BF	20	2.387	2.357	AF or BF	1.575	7/16	1 1/32	1.024	1.516	1.5	SF16670530
22L075AF or BF	22	2.626	2.596	AF or BF	1.575	7/16	1 1/32	1.024	1.516	1.7	SF16730560
24L075AF or BF	24	2.865	2.835	AF or BF	1.575	7/16	1 1/32	1.024	1.516	2.0	SF16790630
26L075AF or BF	26	3.104	3.074	AF or BF	1.654	7/16	1 3/32	1.024	1.516	2.4	SF16860710
28L075AF or BF	28	3.342	3.312	AF or BF	1.732	7/16	1 3/16	1.024	1.516	2.7	SF16910770
30L075AF or BF	30	3.581	3.551	AF or BF	1.732	7/16	1 3/16	1.024	1.516	3.1	SF16970800
32L075AF or BF	32	3.820	3.790	AF or BF	1.732	7/16	1 3/16	1.024	1.516	3.5	SF161030850
36L075AF or BF	36	4.297	4.267	AF or BF	1.732	9/16	1 3/16	1.024	1.516	4.3	SF1611501020
40L075AF or BF	40	4.775	4.744	AF or BF	1.890	9/16	1 1/4	1.024	1.634	5.4	SF1612701120
44L075AF or BF	44	5.252	5.222	AF or BF	2.611	9/16	1 1/4	1.024	1.634	7.0	SF1613901250
48L075AF or BF	48	5.730	5.700	AF or BF	2.850	9/16	1 1/4	1.024	1.634	8.3	SF1615101370
60L075A or B	60	7.162	7.132	A or B	3.566	9/16	1 7/16	1.024	1.634	13	-
72L075B	72	8.594	8.564	B	4.282	9/16	1 7/16	1.024	1.634	19	-
80L075B	80	9.549	9.519	B	4.760	9/16	1 7/16	1.024	1.634	23	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley

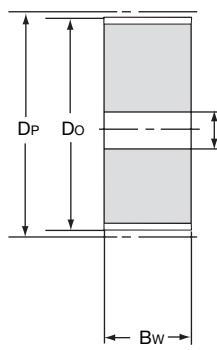
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	1"	

All dimensions in inches unless otherwise stated.

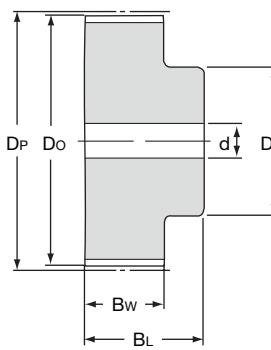
Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		L100		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
14L100AF or BF	14	1.671	1.641	AF or BF	1.142	3/8	3/4	1.272	1.693	0.8	SF16490335
16L100AF or BF	16	1.910	1.880	AF or BF	1.378	3/8	55/64	1.272	1.772	1.1	SF16550425
17L100AF or BF	17	2.029	1.999	AF or BF	1.496	3/8	55/64	1.272	1.772	1.3	SF16568420
18L100AF or BF	18	2.148	2.119	AF or BF	1.496	7/16	63/64	1.272	1.772	1.4	SF16610450
19L100AF or BF	19	2.268	2.238	AF or BF	1.575	7/16	63/64	1.272	1.772	1.6	SF16660500
20L100AF or BF	20	2.387	2.357	AF or BF	1.575	7/16	1 1/32	1.272	1.772	1.7	SF16670530
21L100AF or BF	21	2.507	2.477	AF or BF	1.575	7/16	1 1/32	1.272	1.772	1.9	SF16700560
22L100AF or BF	22	2.626	2.596	AF or BF	1.575	7/16	1 1/32	1.272	1.772	2.1	SF16730560
24L100AF or BF	24	2.865	2.835	AF or BF	1.575	7/16	1 1/32	1.272	1.772	2.4	SF16790630
26L100AF or BF	26	3.104	3.074	AF or BF	1.654	7/16	1 3/32	1.272	1.772	2.9	SF16860710
28L100AF or BF	28	3.342	3.312	AF or BF	1.732	7/16	1 3/16	1.272	1.772	3.3	SF16910770
30L100AF or BF	30	3.581	3.551	AF or BF	1.732	7/16	1 3/16	1.272	1.772	3.8	SF16970800
32L100AF or BF	32	3.820	3.790	AF or BF	1.732	7/16	1 3/16	1.272	1.772	4.3	SF161030850
36L100AF or BF	36	4.297	4.267	AF or BF	1.732	9/16	1 3/16	1.272	1.772	5.3	SF1611501020
40L100AF or BF	40	4.775	4.744	AF or BF	1.890	9/16	1 1/4	1.272	1.890	6.7	SF1612701120
44L100AF or BF	44	5.252	5.222	AF or BF	2.611	9/16	1 1/4	1.272	1.890	8.4	SF1613901250
48L100AF or BF	48	5.730	5.700	AF or BF	2.850	9/16	1 1/4	1.272	1.890	10	SF1615101370
60L100A or B	60	7.162	7.132	A or B	3.566	9/16	1 11/32	1.272	1.890	16	-
72L100A or B	72	8.594	8.564	A or B	4.282	9/16	1 11/32	1.272	1.890	23	-
80L100A	80	9.549	9.519	A	4.760	9/16	1 11/32	1.272	-	19	-
84L100A or B	84	10.027	9.997	A or B	4.998	9/16	1 11/32	1.272	1.890	31	-



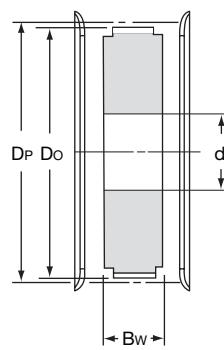
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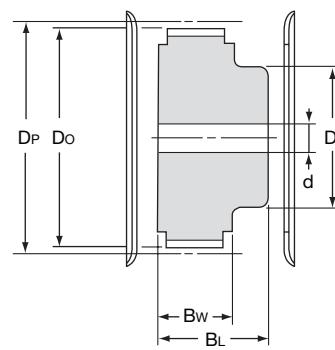
TYPE A



TYPE B



TYPE AF



TYPE BF

# ISO Trapezoidal Type Pulley



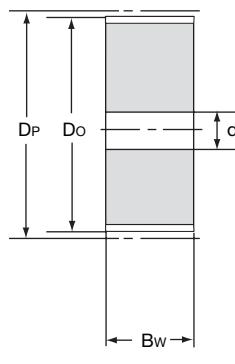
TYPE	PITCH	DESCRIPTION				BELT WIDTH
		H	1/2"	HEAVY DUTY		

All dimensions in inches unless otherwise stated.

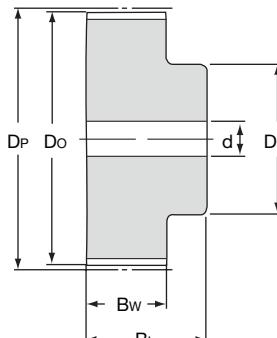
Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		H100		Weight (lbs)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
14H100AF or BF	14	2.228	2.174	AF or BF	1.614	9/16	1 1/16	1.319	1.811	1.5	SF16620450
15H100AF or BF	15	2.387	2.333	AF or BF	1.811	9/16	1 7/8	1.319	1.811	1.8	SF16660500
16H100AF or BF	16	2.546	2.493	AF or BF	1.969	9/16	1 11/32	1.319	1.929	2.2	SF16700560
18H100AF or BF	18	2.865	2.811	AF or BF	2.283	9/16	1 1/2	1.319	1.929	2.9	SF16790630
19H100AF or BF	19	3.024	2.970	AF or BF	2.283	9/16	1 1/2	1.319	1.929	3.1	SF16820670
20H100AF or BF	20	3.183	3.129	AF or BF	2.362	9/16	1 37/64	1.319	1.929	3.5	SF16860710
21H100AF or BF	21	3.342	3.288	AF or BF	2.362	9/16	1 37/64	1.319	1.929	3.8	SF16910770
22H100AF or BF	22	3.502	3.447	AF or BF	2.362	9/16	1 37/64	1.319	1.929	4.1	SF16940770
24H100AF or BF	24	3.820	3.766	AF or BF	2.362	3/4	1 37/64	1.319	1.929	4.6	SF161030850
26H100AF or BF	26	4.138	4.084	AF or BF	2.362	3/4	1 37/64	1.319	1.929	5.3	SF161110950
28H100AF or BF	28	4.456	4.402	AF or BF	2.362	3/4	1 37/64	1.319	1.929	6.1	SF1611901020
30H100AF or BF	30	4.775	4.720	AF or BF	2.362	3/4	1 37/64	1.319	1.929	7.0	SF1612701120
32H100AF or BF	32	5.093	5.039	AF or BF	2.520	3/4	1 21/32	1.319	2.047	8.1	SF1613501200
36H100AF or BF	36	5.730	5.676	AF or BF	2.520	3/4	1 21/32	1.319	2.047	10	SF1615101370
40H100AF or BF	40	6.366	6.312	AF or BF	2.677	3/4	1 49/64	1.319	2.047	13	SF1616701520
44H100A or B	44	7.003	6.949	A or B	3.474	15/16	1 13/16	1.319	2.047	16	-
48H100A or B	48	7.639	7.585	A or B	3.793	15/16	1 57/64	1.319	2.047	19	-
60H100A or B	60	9.549	9.495	A or B	4.748	15/16	2 3/64	1.319	2.047	30	-
72H100A or B	72	11.459	11.405	A or B	5.703	15/16	2 3/64	1.319	2.047	43	-
84H100A or B	84	13.369	13.315	A or B	6.657	15/16	2 3/64	1.319	2.047	58	-
96H100B	96	15.279	15.225	B	7.612	15/16	2 3/64	1.319	2.047	76	-
120H100B	120	19.099	19.045	B	9.522	15/16	2 3/64	1.319	2.047	120	-



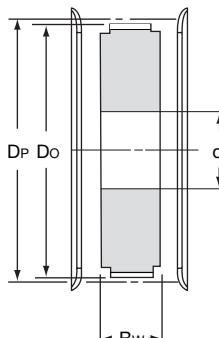
If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



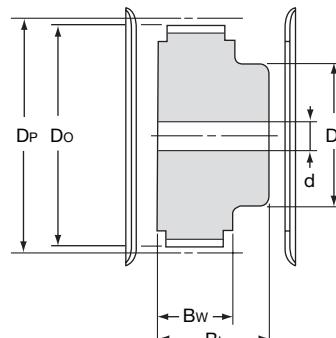
TYPE A



TYPE B



TYPE AF



TYPE BF

# ISO Trapezoidal Type Pulley

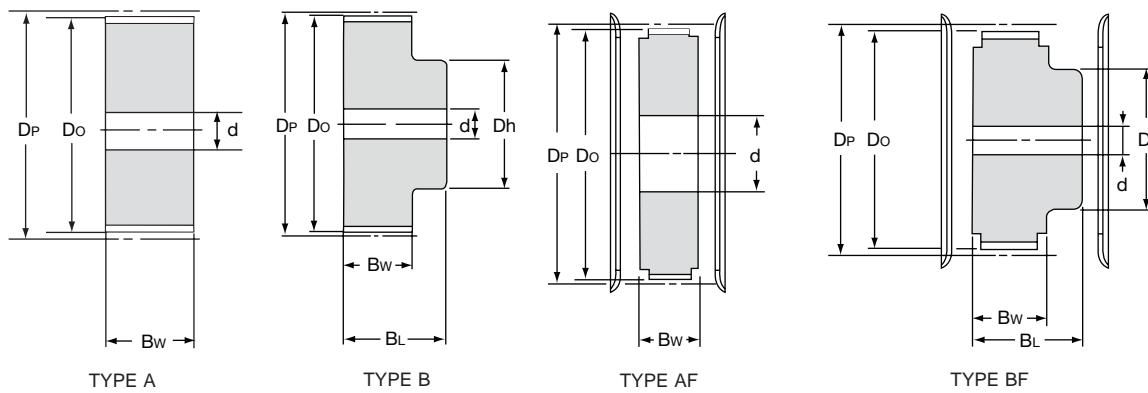
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	1 1/2"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		H150		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
14H150AF or BF	14	2.228	2.174	AF or BF	1.614	9/16	1 1/16	1.819	2.323	2.0	SF16620450
16H150AF or BF	16	2.546	2.493	AF or BF	1.969	9/16	1 11/32	1.819	2.441	2.8	SF16700560
18H150AF or BF	18	2.865	2.811	AF or BF	2.283	9/16	1 1/2	1.819	2.441	3.7	SF16790630
19H150AF or BF	19	3.024	2.970	AF or BF	2.283	9/16	1 1/2	1.819	2.441	4.1	SF16820670
20H150AF or BF	20	3.183	3.129	AF or BF	2.362	9/16	1 37/64	1.819	2.441	4.5	SF16860710
21H150AF or BF	21	3.342	3.288	AF or BF	2.362	9/16	1 37/64	1.819	2.441	4.9	SF16910770
22H150AF or BF	22	3.502	3.447	AF or BF	2.362	9/16	1 37/64	1.819	2.441	5.4	SF16940770
24H150AF or BF	24	3.820	3.766	AF or BF	2.362	3/4	1 37/64	1.819	2.441	6.1	SF161030850
26H150AF or BF	26	4.138	4.084	AF or BF	2.362	3/4	1 37/64	1.819	2.441	7.1	SF161110950
28H150AF or BF	28	4.456	4.402	AF or BF	2.362	3/4	1 37/64	1.819	2.441	8.2	SF1611901020
30H150AF or BF	30	4.775	4.720	AF or BF	2.362	3/4	1 37/64	1.819	2.441	9.4	SF1612701120
32H150AF or BF	32	5.093	5.039	AF or BF	2.520	3/4	1 21/32	1.819	2.559	11	SF1613501200
36H150AF or BF	36	5.730	5.676	AF or BF	2.520	3/4	1 21/32	1.819	2.559	14	SF1615101370
40H150AF or BF	40	6.366	6.312	AF or BF	2.677	3/4	1 49/64	1.819	2.559	17	SF1616701520
44H150A or B	44	7.003	6.949	A or B	3.474	15/16	1 13/16	1.819	2.559	21	-
48H150A or B	48	7.639	7.585	A or B	3.793	15/16	1 57/64	1.819	2.559	25	-
60H150A or B	60	9.549	9.495	A or B	4.748	15/16	2 3/64	1.819	2.559	39	-
72H150A or B	72	11.459	11.405	A or B	5.703	15/16	2 3/64	1.819	2.559	57	-
84H150A or B	84	13.369	13.315	A or B	6.657	15/16	2 3/64	1.819	2.559	78	-
96H150A or B	96	15.279	15.225	A or B	7.612	15/16	2 3/64	1.819	2.559	102	-
120H150A or B	120	19.099	19.045	A or B	9.522	15/16	2 3/64	1.819	2.559	160	-



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



# ISO Trapezoidal Type Pulley



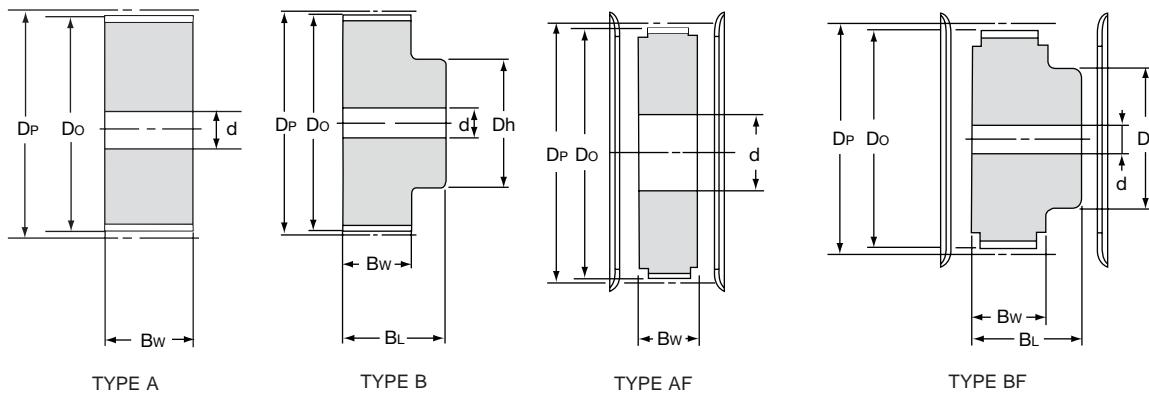
TYPE	PITCH	DESCRIPTION				BELT WIDTH
		H	1/2"	HEAVY DUTY		

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		H200		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
14H200AF or BF	14	2.228	2.174	AF or BF	1.614	3/4	1 1/16	2.346	2.874	2.4	SF16620450
16H200AF or BF	16	2.546	2.493	AF or BF	1.969	3/4	1 11/32	2.346	2.992	3.4	SF16700560
18H200AF or BF	18	2.865	2.811	AF or BF	2.283	3/4	1 1/2	2.346	2.992	4.4	SF16790630
20H200AF or BF	20	3.183	3.129	AF or BF	2.520	3/4	1 21/32	2.346	3.110	5.7	SF16860710
22H200AF or BF	22	3.502	3.447	AF or BF	2.835	3/4	1 57/64	2.346	3.110	7.1	SF16940770
24H200AF or BF	24	3.820	3.766	AF or BF	2.953	15/16	1 31/32	2.346	3.110	8.2	SF161030850
26H200AF or BF	26	4.138	4.084	AF or BF	2.953	15/16	1 31/32	2.346	3.110	9.4	SF161110950
28H200AF or BF	28	4.456	4.402	AF or BF	3.071	15/16	13/64	2.346	3.228	11	SF1611901020
30H200AF or BF	30	4.775	4.720	AF or BF	3.150	15/16	2 1/8	2.346	3.228	13	SF1612701120
32H200AF or BF	32	5.093	5.039	AF or BF	3.150	15/16	2 1/8	2.346	3.228	14	SF1613501200
36H200AF or BF	36	5.730	5.676	AF or BF	3.346	15/16	2 1/32	2.346	3.228	18	SF1615101370
40H200AF or BF	40	6.366	6.312	AF or BF	3.346	1 1/8	2 1/32	2.346	3.228	22	SF1616701520
44H200A or B	44	7.003	6.949	A or B	3.474	1 1/8	2 1/32	2.346	3.228	26	-
48H200A or B	48	7.639	7.585	A or B	3.793	1 1/8	2 1/32	2.346	3.228	32	-
60H200B	60	9.549	9.495	B	4.748	1 1/8	2 23/64	2.346	3.228	50	-
72H200B	72	11.459	11.405	B	5.703	1 1/8	2 23/64	2.346	3.228	73	-
84H200B	84	13.369	13.315	B	6.657	1 1/8	2 23/64	2.346	3.228	100	-
96H200B	96	15.279	15.225	B	7.612	1 1/8	2 23/64	2.346	3.228	130	-
120H200B	120	19.099	19.045	B	9.522	1 1/8	2 23/64	2.346	3.228	205	-



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# ISO Trapezoidal Type Pulley

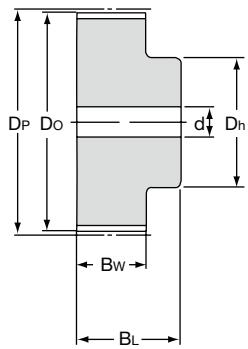
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	3"	

All dimensions in inches unless otherwise stated.

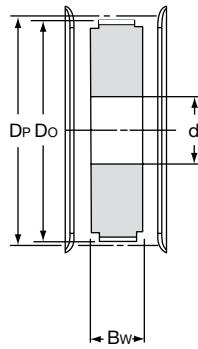
Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Bore Size d		H300		Weight (lbs.)	Flange Item Number
						Stock Bore	Maximum Bore	Tooth Width B <sub>w</sub>	LTB B <sub>L</sub>		
22H300AF or BF	22	3.502	3.447	AF or BF	2.835	3/4	1 21/32	3.386	4.134	9.6	SF16940770
24H300AF or BF	24	3.820	3.766	AF or BF	2.953	15/16	1 31/32	3.386	4.134	11	SF161030850
26H300AF or BF	26	4.138	4.084	AF or BF	2.953	15/16	1 31/32	3.386	4.134	13	SF161110950
28H300AF or BF	28	4.456	4.402	AF or BF	3.071	15/16	2 3/64	3.386	4.252	15	SF1611901020
30H300AF or BF	30	4.775	4.720	AF or BF	3.150	15/16	2 1/8	3.386	4.252	18	SF1612701120
32H300AF or BF	32	5.093	5.039	AF or BF	3.150	15/16	2 1/8	3.386	4.252	20	SF1613501200
36H300AF or BF	36	5.730	5.676	AF or BF	3.346	15/16	2 13/64	3.386	4.252	25	SF1615101370
40H300AF or BF	40	6.366	6.312	AF or BF	3.346	1 1/8	2 13/64	3.386	4.252	31	SF1616701520
44H300B	44	7.003	6.949	B	3.474	1 1/8	2 13/64	3.386	4.252	37	-
48H300B	48	7.639	7.585	B	3.793	1 1/8	2 13/64	3.386	4.252	45	-
50H300B	50	7.958	7.904	B	3.952	1 1/8	2 13/64	3.386	4.252	48	-
60H300B	60	9.549	9.495	B	4.748	1 1/8	2 23/64	3.386	4.252	70	-
72H300B	72	11.459	11.405	B	5.703	1 1/8	2 23/64	3.386	4.252	102	-
84H300B	84	13.369	13.315	B	6.657	1 1/8	2 23/64	3.386	4.252	140	-
96H300B	96	15.279	15.225	B	7.612	1 1/8	2 23/64	3.386	4.252	183	-
120H300B	120	19.099	19.045	B	9.522	1 1/8	2 23/64	3.386	4.252	287	-



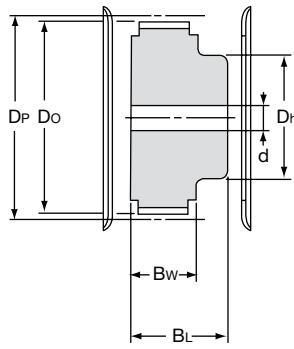
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TYPE B



TYPE AF



TYPE BF

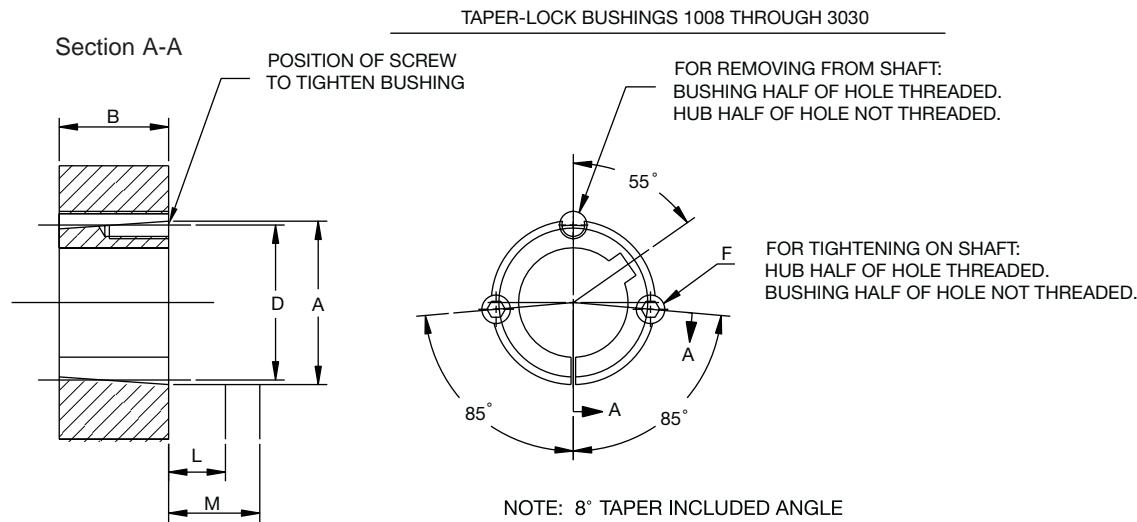
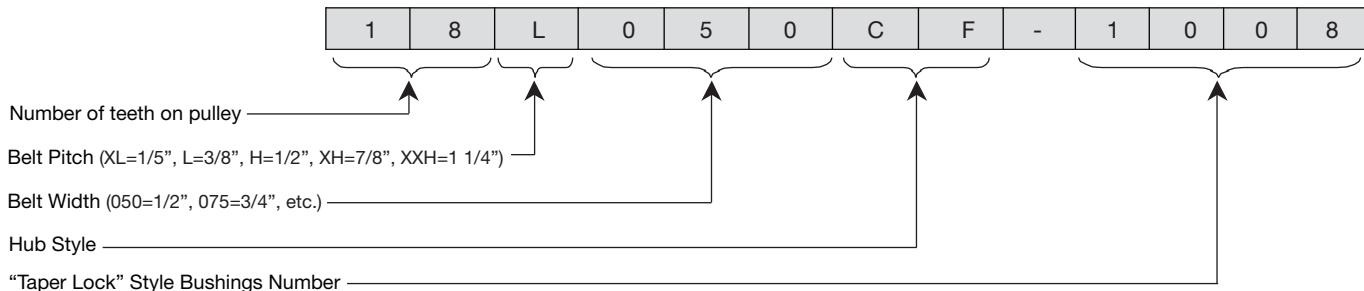
# ISO Trapezoidal Type Pulley with "Taper-Lock" Style Bushings



## "Taper-Lock" Style Bushings #1008-#3030

Tsubaki trapezoidal type pulleys can be supplied with "Taper-Lock" style bushings. Refer to the diagram and chart below for more information on sizes and specifications.

### How to Read Item Numbers:



All dimensions in inches unless otherwise stated.

Bushing Number	⌘ Bore Range	A	B	D	F (2 Required)	⌘ L		+M		Weight (lbs.)
						Std. Hex Key	Short ♦ Key	Std. Hex Key	Short ♦ Key	
1008	1/2 - 1	1 <sup>5</sup> / <sub>64</sub>	7/8	1 <sup>21</sup> / <sub>64</sub>	1/4 - 2 1/2	1 1/8	5/8	1 1/4	3/4	0.20
1108	1/2 - 1 1/8	1 1/2	7/8	1 <sup>29</sup> / <sub>64</sub>	1/4 - 2 1/2	1 1/8	5/8	1 1/4	3/4	0.25
1210	1/2 - 1 1/4	1 7/8	1	1 3/4	3/8 - 2 5/8	1 3/8	13/16	1 5/8	1 1/16	0.55
1215	1/2 - 1 1/4	1 7/8	1 1/2	1 3/4	3/8 - 2 5/8	1 3/8	13/16	1 5/8	1 1/16	0.70
1310	1/2 - 1 3/8	2	1	1 7/8	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.65
1610	1/2 - 1 5/8	2 1/4	1	2 1/8	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.70
1615	1/2 - 1 5/8	2 1/4	1 1/2	2 1/8	3/8 - 2 5/8	1 3/8	13/16	1 5/8	1 1/16	1.00
2012	1/2 - 2	2 3/4	1 1/4	2 5/8	7/16 - 2 7/8	1 9/16	15/16	2	1 3/8	1.40
2517	1/2 - 2 1/2	3 3/8	1 3/4	3 1/4	1/2 - 1	1 5/8	1	2 1/4	1 5/8	3.20
2525	3/4 - 2 1/2	3 3/8	2 1/2	3 1/4	1/2 - 1	1 5/8	1	2 1/4	1 5/8	4.30
3020	15/16 - 3	4 1/4	2	4	5/8 - 1 1/4	1 13/16	13/16	2 11/16	2 1/16	5.80
3030	15/16 - 3	4 1/4	3	4	5/8 - 1 1/4	1 13/16	13/16	2 11/16	2 1/16	8.00

All bushings can be supplied in steel, stainless steel and other materials. Consult Tsubaki for more details.

#### NOTES:

- ⌘ All bore ranges available in 1/16th inch increments
- ⌘ Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.
- + Space required to remove bushing using jackscrews - no puller required.
- ♦ Standard hex key cut to minimum usable length.



"Taper-Lock" style bushing numbers 3535-5050 are available on a make-to-order basis.

# ISO Trapezoidal Type Pulley with "Taper-Lock" Style Bushings

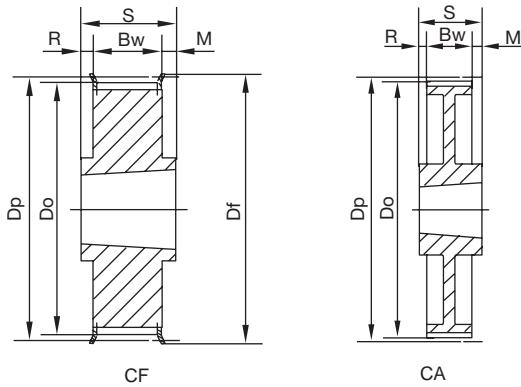
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	1/2"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	S	R	M
18L050CF-1008	18	1008	2.149	2.119	CF	0.772	2.400	7/8	0.103	0
20L050CF-1008	20	1008	2.387	2.357	CF	0.772	2.640	7/8	0.103	0
22L050CF-1008	22	1008	2.626	2.596	CF	0.772	2.870	7/8	0.103	0
24L050CF-1210	24	1210	2.865	2.835	CF	0.772	3.110	1	0.228	0
26L050CF-1210	26	1210	3.104	3.074	CF	0.772	3.390	1	0.228	0
28L050CF-1610	28	1610	3.342	3.312	CF	0.772	3.580	1	0.228	0
30L050CF-1610	30	1610	3.581	3.551	CF	0.772	3.820	1	0.228	0
32L050CF-1610	32	1610	3.820	3.790	CF	0.772	4.060	1	0.228	0
40L050CF-2012	40	2012	4.775	4.745	CF	0.772	5.000	1 1/4	0.478	0
48L050CF-2012	48	2012	5.730	5.700	CF	0.772	5.940	1 1/4	0.478	0
60L050C-2012	60	2012	7.162	7.132	CA	0.772	-	1 1/4	0.228	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with “Taper-Lock” Style Bushings

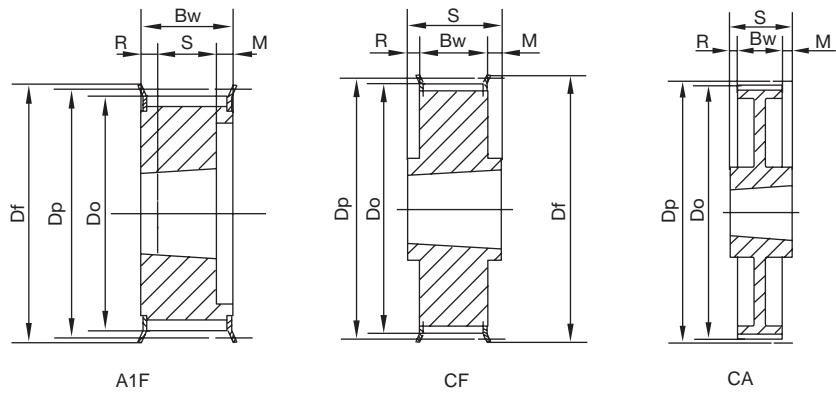
TSUBAKI Innovation in Motion	TYPE	PITCH	DESCRIPTION			BELT WIDTH
	L	3/8"	LIGHT DUTY			3/4"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	S	R	M
18L075AF-1008	18	1008	2.149	2.119	A1F	1.024	2.400	7/8	0.149	0
20L075AF-1008	20	1008	2.387	2.357	A1F	1.024	2.640	7/8	0.149	0
22L075AF-1008	22	1008	2.626	2.596	A1F	1.024	2.870	7/8	0.149	0
24L075AF-1210	24	1210	2.865	2.835	A1F	1.024	3.110	1	0.024	0
26L075AF-1210	26	1210	3.104	3.074	A1F	1.024	3.390	1	0.024	0
28L075AF-1610	28	1610	3.342	3.312	A1F	1.024	3.580	1	0.024	0
30L075AF-1610	30	1610	3.581	3.551	A1F	1.024	3.820	1	0.024	0
32L075AF-1610	32	1610	3.820	3.790	A1F	1.024	4.060	1	0.024	0
40L075CF-2012	40	2012	4.775	4.745	CF	1.024	5.000	1 1/4	0.226	0
48L075CF-2012	48	2012	5.730	5.700	CF	1.024	5.940	1 1/4	0.226	0
60L075C-2012	60	2012	7.162	7.132	CA	1.024	-	1 1/4	0.101	1/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "Taper-Lock" Style Bushings

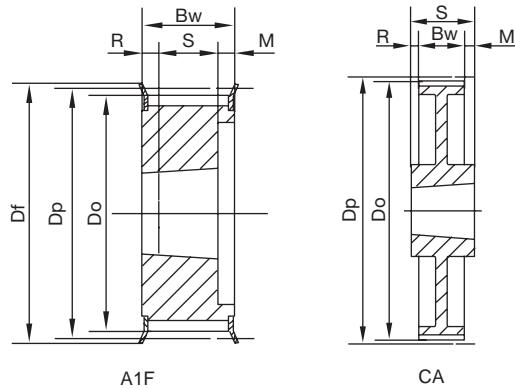
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	1"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	S	R	M
18L100AF-1008	18	1008	2.149	2.119	A1F	1.272	2.400	7/8	0.397	0
20L100AF-1008	20	1008	2.387	2.357	A1F	1.272	2.640	7/8	0.397	0
22L100AF-1008	22	1008	2.626	2.596	A1F	1.272	2.870	7/8	0.397	0
24L100AF-1210	24	1210	2.865	2.835	A1F	1.272	3.110	1	0.272	0
26L100AF-1210	26	1210	3.104	3.074	A1F	1.272	3.390	1	0.272	0
28L100AF-1610	28	1610	3.342	3.312	A1F	1.272	3.580	1	0.272	0
30L100AF-1610	30	1610	3.581	3.551	A1F	1.272	3.820	1	0.272	0
32L100AF-1610	32	1610	3.820	3.790	A1F	1.272	4.060	1	0.272	0
40L100AF-2012	40	2012	4.775	4.745	A1F	1.272	5.000	1 1/4	-	0
48L100AF-2012	48	2012	5.730	5.700	A1F	1.272	5.940	1 1/4	-	0
60L100C-2012	60	2012	7.162	7.132	CA	1.272	-	1 1/4	-	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with “Taper-Lock” Style Bushings



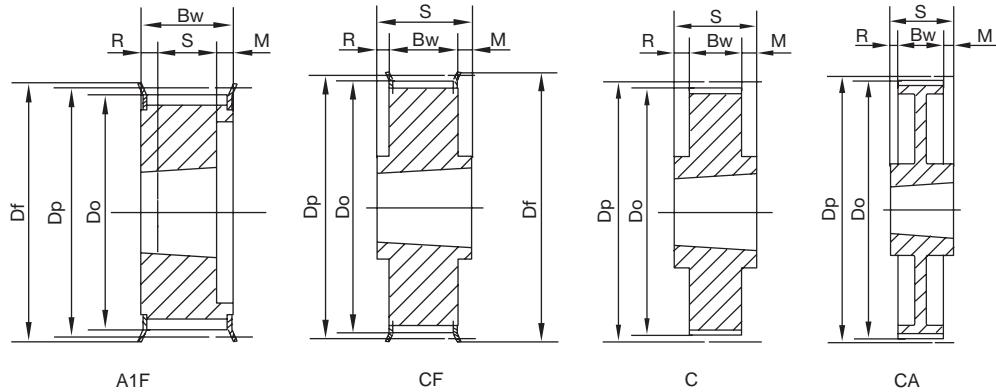
TYPE	PITCH	DESCRIPTION	BELT WIDTH
H	1/2"	HEAVY DUTY	1"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	S	R	M
14H100AF-1008	14	1008	2.228	2.174	A1F	1.319	2.441	7/8	0.444	0
16H100AF-1008	16	1008	2.546	2.493	A1F	1.319	2.638	7/8	0.444	0
18H100AF-1210	18	1210	2.865	2.811	A1F	1.319	3.110	1	0.319	0
20H100AF-1210	20	1210	3.183	3.129	A1F	1.319	3.386	1	0.319	0
22H100AF-1610	22	1610	3.501	3.447	A1F	1.319	3.701	1	0.319	0
26H100AF-2012	26	2012	4.138	4.084	A1F	1.319	4.370	1 1/4	0.069	0
28H100AF-2012	28	2012	4.456	4.402	A1F	1.319	4.685	1 1/4	0.069	0
30H100AF-2012	30	2012	4.775	4.721	A1F	1.319	5.000	1 1/4	0.069	0
32H100CF-2517	32	2517	5.093	5.039	CF	1.319	5.315	1 3/4	0.431	0
40H100CF-2517	40	2517	6.366	6.312	CF	1.319	6.575	1 3/4	0.431	0
48H100C-2517	48	2517	7.639	7.585	C	1.319	-	1 3/4	0.431	0
60H100C-3020	60	3020	9.549	9.495	CA	1.319	-	2	0.337	11/32



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "Taper-Lock" Style Bushings

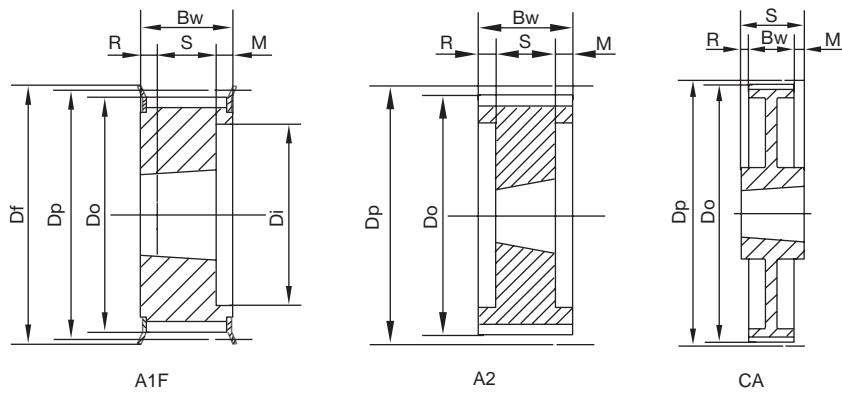
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
H	1/2"	HEAVY DUTY				1 1/2"				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	D <sub>i</sub>	S	R	M
14H150AF-1008	14	1008	2.228	2.174	A1F	1.819	2.411	1 9/16	7/8	0.475	15/32
16H150AF-1008	16	1008	2.546	2.493	A1F	1.819	2.638	1 3/4	7/8	0.475	15/32
18H150AF-1215	18	1215	2.865	2.811	A1F	1.819	3.110	-	1 1/2	0.319	0
20H150AF-1215	20	1215	3.183	3.129	A1F	1.819	3.386	-	1 1/2	0.319	0
22H150AF-1615	22	1615	3.501	3.447	A1F	1.819	3.701	-	1 1/2	0.319	0
24H150AF-2012	24	2012	3.820	3.766	A1F	1.819	4.055	-	1 1/4	0.569	0
26H150AF-2012	26	2012	4.138	4.084	A1F	1.819	4.370	-	1 1/4	0.569	0
28H150AF-2012	28	2012	4.456	4.402	A1F	1.819	4.685	-	1 1/4	0.569	0
30H150AF-2012	30	2012	4.775	4.721	A1F	1.819	5.000	-	1 1/4	0.569	0
32H150AF-2517	32	2517	5.093	5.039	A1F	1.819	5.315	-	1 3/4	0.069	0
40H150AF-2517	40	2517	6.366	6.312	A1F	1.819	6.575	-	1 3/4	0.069	0
48H150A-2517	48	2517	7.639	7.585	A2	1.819	-	-	1 3/4	0.006	1/16
60H150C-3020	60	3020	9.549	9.495	CA	1.819	-	-	2	0.087	3/32



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not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



# ISO Trapezoidal Type Pulley with “Taper-Lock” Style Bushings



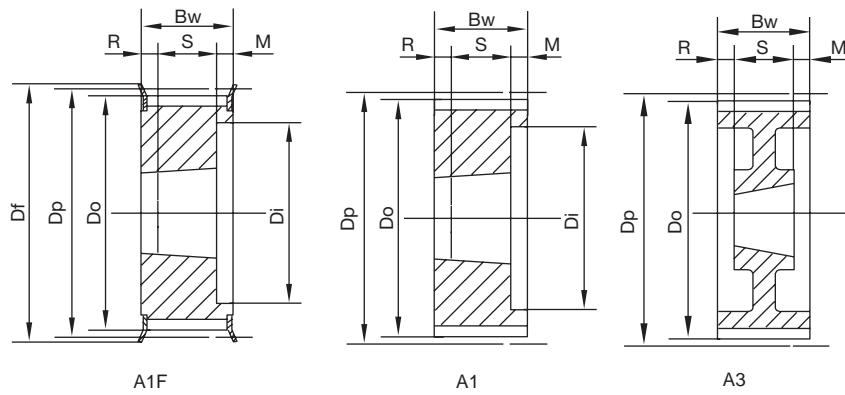
TYPE	PITCH	DESCRIPTION	BELT WIDTH
H	1/2"	HEAVY DUTY	2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	D <sub>i</sub>	S	R	M
16H200AF-1008	16	1008	2.546	2.493	A1F	2.346	2.638	1 3/4	7/8	0.752	23/32
18H200AF-1215	18	1215	2.865	2.811	A1F	2.346	3.110	2 1/16	1 1/2	0.440	13/32
20H200AF-1215	20	1215	3.183	3.129	A1F	2.346	3.386	2 3/8	1 1/2	0.424	27/64
22H200AF-1615	22	1615	3.501	3.447	A1F	2.346	3.701	2 11/16	1 1/2	0.424	27/64
24H200AF-2012	24	2012	3.820	3.766	A1F	2.346	4.055	3	1 1/4	0.549	35/64
26H200AF-2012	26	2012	4.138	4.084	A1F	2.346	4.370	3 5/16	1 1/4	0.549	35/64
28H200AF-2012	28	2012	4.456	4.402	A1F	2.346	4.685	3 5/8	1 1/4	0.549	35/64
30H200AF-2012	30	2012	4.775	4.721	A1F	2.346	5.000	3 7/8	1 1/4	1.096	0
32H200AF-2517	32	2517	5.093	5.039	A1F	2.346	5.315	4 1/4	1 3/4	0.596	0
40H200AF-2517	40	2517	6.366	6.312	A1F	2.346	6.575	5 1/2	1 3/4	0.596	0
48H200A-3020	48	3020	7.639	7.585	A1	2.346	-	6 11/16	2	0.346	0
60H200A-3020	60	3020	9.549	9.495	A3	2.346	-	-	2	0.174	11/64



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "Taper-Lock" Style Bushings

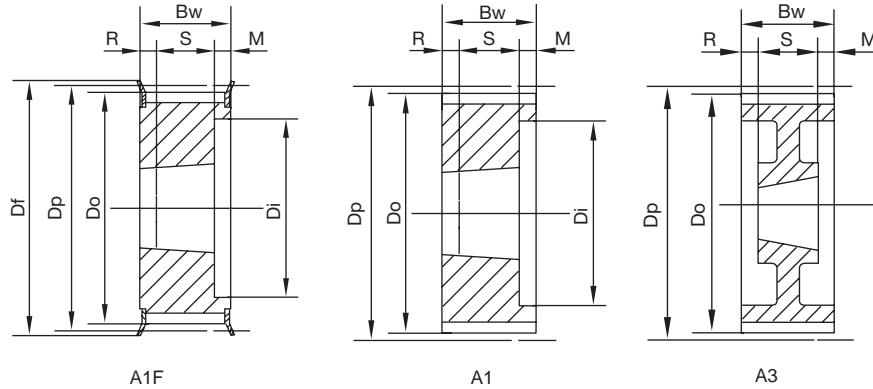
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
H	1/2"	HEAVY DUTY				3"				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	D <sub>i</sub>	S	R	M
18H300AF-1215	18	1215	2.865	2.811	A1F	3.386	3.110	1 3/4	1 1/2	0.949	15/16
20H300AF-1215	20	1215	3.183	3.129	A1F	3.386	3.386	2 1/16	1 1/2	0.949	15/16
22H300AF-1615	22	1615	3.501	3.447	A1F	3.386	3.701	2 3/8	1 1/2	0.949	15/16
24H300AF-2012	24	2012	3.820	3.766	A1F	3.386	4.055	2 11/16	1 1/4	1.074	1 1/16
26H300AF-2012	26	2012	4.138	4.084	A1F	3.386	4.370	3	1 1/4	1.074	1 1/16
28H300AF-2012	28	2012	4.456	4.402	A1F	3.386	4.685	3 5/16	1 1/4	1.074	1 1/16
30H300AF-2012	30	2012	4.775	4.721	A1F	3.386	5.000	3 5/8	1 1/4	1.074	1 1/16
32H300AF-2517	32	2517	5.093	5.039	A1F	3.386	5.315	3 7/8	1 3/4	0.824	13/16
40H300AF-2517	40	2517	6.366	6.312	A1F	3.386	6.575	4 1/4	1 3/4	0.824	13/16
48H300A-3020	48	3020	7.639	7.585	A1	3.386	-	5 1/2	2	0.699	11/16
60H300A-3020	60	3020	9.549	9.495	A3	3.386	-	-	2	0.699	11/16



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



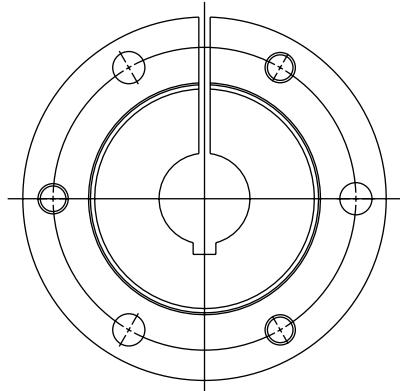
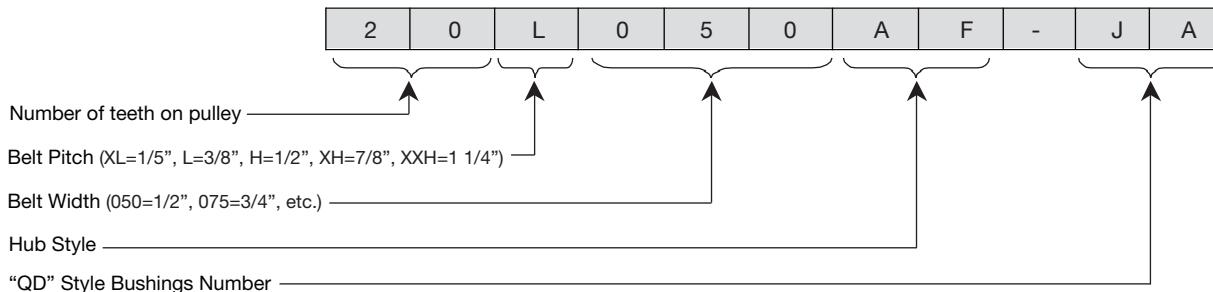
# ISO Trapezoidal Type Pulley with "QD" Style Bushings



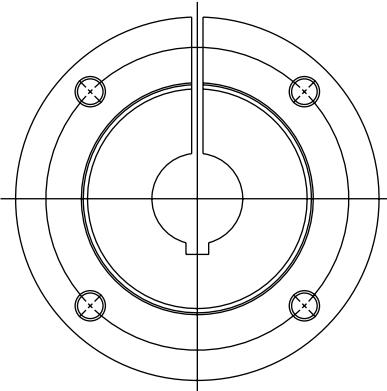
## "QD" Style Bushings

Tsubaki trapezoidal type pulleys can be supplied with "QD" style bushings. Refer to the diagram and chart below for more information on sizes and specifications.

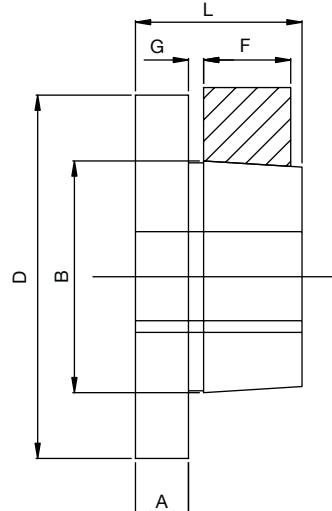
### How to Read Item Numbers:



BUSHINGS JA TO J



BUSHINGS M TO N



All dimensions in inches unless otherwise stated.

Bushing	A	B	D	F	G	L	* Bolt Circle	Cap Screws Required	Standard Keyway	Shallow Keyway	Without Keyway	Weight (lbs.)
JA	5/16	1 1/8	2	9/16	1/8	1	1 1/32	(3) #10 x 1	1/2 - 1	1 1/16 - 1 3/16	1 1/4	0.8
SH	7/16	1 1/8	2 5/8	3/4	1/8	1 5/16	2 1/4	(3) 1/4 x 1 1/8	1/2 - 1 1/8	1 7/16 - 1 5/8	1 11/16	0.7
SDS	7/16	2 3/16	3 3/16	3/4	1/8	1 5/16	2 11/16	(3) 1/4 x 1 1/8	1/2 - 1 11/16	1 3/4 - 1 15/16	2	1.0
SD	7/16	2 3/16	3 3/16	1 1/4	1/8	1 13/16	2 11/16	(3) 1/4 x 1 1/8	1/2 - 1 11/16	1 3/4 - 1 15/16	2	1.0
SK	9/16	2 13/16	3 7/8	1 1/4	7/32	1 15/16	3 5/16	(3) 5/16 x 2	1/2 - 2 1/8	2 5/16 - 2 1/2	2 9/16 - 2 5/8	2.1
SF	5/8	3 1/8	4 5/8	1 1/4	7/32	2 1/16	3 7/8	(3) 3/8 x 2	1/2 - 2 5/16	2 3/8 - 2 13/16	2 13/16 - 2 15/16	3.1
E	7/8	3 55/64	6	1 1/8	1/4	2 3/4	5	(3) 1/2 x 2 3/4	7/8 - 2 7/8	2 15/16 - 3 1/2	-	2.1
F	1	4 7/16	6 5/8	2 1/2	11/32	3 3/4	5 5/8	(3) 9/16 x 3 5/8	1 - 3 1/4	3 9/16 - 3 15/16	4	3.1
J	1 1/8	5 5/64	7 1/4	3 3/16	3/8	4 5/8	6 1/4	(3) 5/8 x 4 1/2	1 1/2 - 3 7/8	3 15/16 - 4 1/2	-	17
M	1 1/4	6 1/2	9	5 3/16	13/32	6 3/4	7 7/8	(4) 3/4 x 6 3/4	2 - 4 3/4	4 7/8 - 5 1/2	-	56
N	1 1/2	7	10	6 1/4	9/16	8 1/8	8 1/2	(4) 7/8 x 8	2 7/16 - 5 1/8	5 3/16 - 5 1/2	-	68

All bushings can be supplied in steel, stainless steel and other materials. Consult Tsubaki for more details.

\* Available Upon Request

# ISO Trapezoidal Type Pulley with "QD" Style Bushings

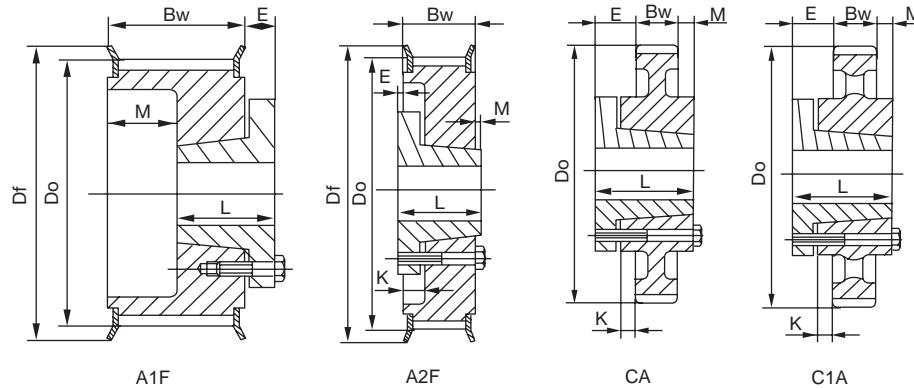
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
L	3/8"	LIGHT DUTY				1/2"				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	Bushing Length L	M
20L050AF-JA	20	JA	2.387	2.357	A1F	0.772	2.638	1/2	-	1	0
22L050AF-JA	22	JA	2.626	2.596	A1F	0.772	2.874	1/2	-	1	0
24L050AF-JA	24	JA	2.865	2.835	A1F	0.772	3.110	1/2	-	1	0
26L050AF-SH	26	SH	3.104	3.074	A2F	0.772	3.386	21/32	0	1 5/16	0
28L050AF-SH	28	SH	3.342	3.312	A2F	0.772	3.583	21/32	0	1 5/16	0
30L050AF-SDS	30	SDS	3.581	3.551	A2F	0.772	3.819	21/32	0	1 5/16	0
32L050AF-SDS	32	SDS	3.820	3.790	A2F	0.772	4.055	21/32	0	1 5/16	0
36L050AF-SDS	36	SDS	4.297	4.267	A2F	0.772	4.528	21/32	0	1 5/16	0
40L050AF-SDS	40	SDS	4.775	4.745	A2F	0.772	5.000	21/32	0	1 5/16	0
44L050AF-SDS	44	SDS	5.252	5.222	A2F	0.772	5.472	21/32	0	1 5/16	0
48L050AF-SDS	48	SDS	5.730	5.700	A2F	0.772	5.945	21/32	0	1 5/16	0
60L050C-SD	60	SD	7.162	7.132	CA	0.772	-	29/32	1/4	1 13/16	1/4
72L050C-SD	72	SD	8.594	8.564	C1A	0.772	-	29/32	1/4	1 13/16	1/4
84L050C-SD	84	SD	10.027	9.997	C1A	0.772	-	29/32	1/4	1 13/16	1/4
96L050C-SD	96	SD	11.459	11.429	C1A	0.772	-	29/32	1/4	1 13/16	1/4
120L050C-SD	120	SD	14.324	14.294	C1A	0.772	-	29/32	1/4	1 13/16	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings



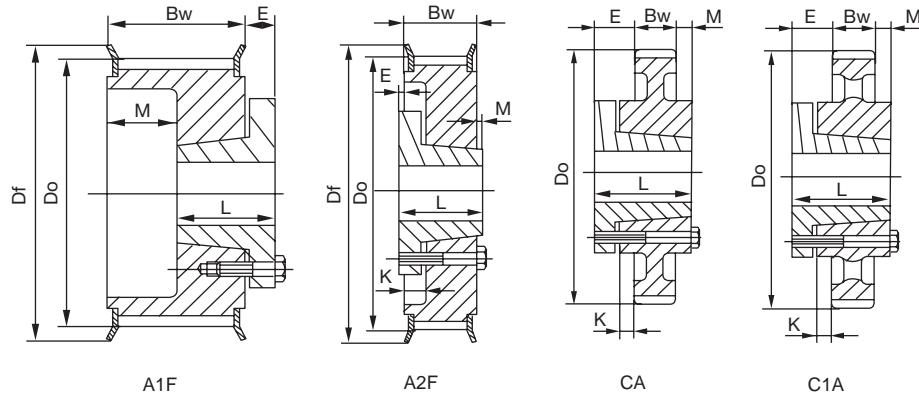
TYPE	PITCH	DESCRIPTION				BELT WIDTH	
		L	3/8"	LIGHT DUTY			3/4"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	Bushing Length L	M
20L075AF-JA	20	JA	2.387	2.357	A1F	1.024	2.638	1/2	-	1	3/8
22L075AF-JA	22	JA	2.626	2.596	A1F	1.024	2.874	1/2	-	1	3/8
24L075AF-JA	24	JA	2.865	2.835	A1F	1.024	3.110	1/2	-	1	3/8
26L075AF-SH	26	SH	3.104	3.074	A1F	1.024	3.386	21/32	-	1 5/16	5/16
28L075AF-SH	28	SH	3.342	3.312	A1F	1.024	3.583	21/32	-	1 5/16	5/16
30L075AF-SDS	30	SDS	3.581	3.551	A1F	1.024	3.819	21/32	-	1 5/16	5/16
32L075AF-SDS	32	SDS	3.820	3.790	A1F	1.024	4.055	21/32	-	1 5/16	5/16
36L075AF-SDS	36	SDS	4.297	4.267	A2F	1.024	4.528	13/32	1/4	1 5/16	0
40L075AF-SDS	40	SDS	4.775	4.745	A2F	1.024	5.000	13/32	1/4	1 5/16	0
44L075AF-SDS	44	SDS	5.252	5.222	A2F	1.024	5.472	13/32	1/4	1 5/16	0
48L075AF-SDS	48	SDS	5.730	5.700	A2F	1.024	5.945	13/32	1/4	1 5/16	0
60L075C-SD	60	SD	7.162	7.132	CA	1.024	-	25/32	1/8	1 13/16	1/8
72L075C-SD	72	SD	8.594	8.564	C1A	1.024	-	25/32	1/8	1 13/16	1/8
84L075C-SD	84	SD	10.027	9.997	C1A	1.024	-	25/32	1/8	1 13/16	1/8
96L075C-SD	96	SD	11.459	11.429	C1A	1.024	-	25/32	1/8	1 13/16	1/8
120L075C-SD	120	SD	14.324	14.294	C1A	1.024	-	25/32	1/8	1 13/16	1/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings

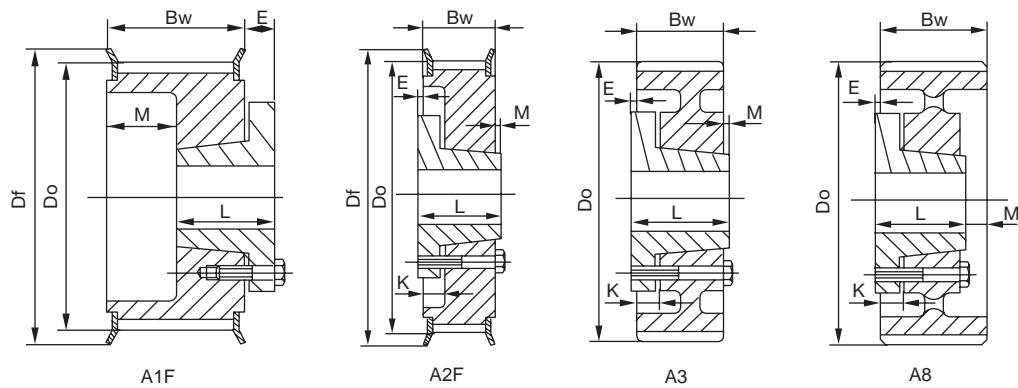
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	1"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	E	K	Bushing Length L	M
20L100AF-JA	20	JA	2.387	2.357	A1F	1.272	2.638	1/2	-	1	5/8
22L100AF-JA	22	JA	2.626	2.596	A1F	1.272	2.874	1/2	-	1	5/8
24L100AF-JA	24	JA	2.865	2.835	A1F	1.272	3.110	1/2	-	1	5/8
26L100AF-SH	26	SH	3.104	3.074	A1F	1.272	3.386	21/32	-	1 5/16	1/2
28L100AF-SH	28	SH	3.342	3.312	A1F	1.272	3.583	21/32	-	1 5/16	1/2
30L100AF-SDS	30	SDS	3.581	3.551	A1F	1.272	3.819	21/32	-	1 5/16	1/2
32L100AF-SDS	32	SDS	3.820	3.790	A1F	1.272	4.055	21/32	-	1 5/16	1/2
36L100AF-SDS	36	SDS	4.297	4.267	A2F	1.272	4.528	5/32	1/2	1 5/16	0
40L100AF-SDS	40	SDS	4.775	4.745	A2F	1.272	5.000	5/32	1/2	1 5/16	0
44L100AF-SDS	44	SDS	5.252	5.222	A2F	1.272	5.472	5/32	1/2	1 5/16	0
48L100AF-SDS	48	SDS	5.730	5.700	A2F	1.272	5.945	5/32	1/2	1 5/16	0
60L100A-SD	60	SD	7.162	7.132	A3	1.272	-	21/32	0	1 13/16	0
72L100A-SD	72	SD	8.594	8.564	A8	1.272	-	21/32	0	1 13/16	0
84L100A-SD	84	SD	10.027	9.997	A8	1.272	-	21/32	0	1 13/16	0
96L100A-SD	96	SD	11.459	11.429	A8	1.272	-	21/32	0	1 13/16	0
120L100A-SD	120	SD	14.324	14.294	A8	1.272	-	21/32	0	1 13/16	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings



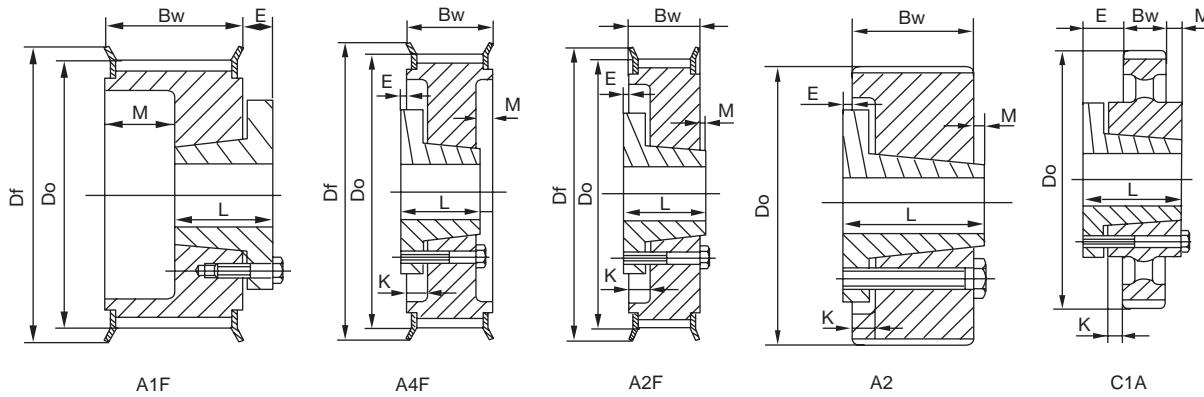
TYPE H	PITCH 1/2"	DESCRIPTION					BELT WIDTH		
		HEAVY DUTY					1"		

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	E	K	Bushing Length L	M
14H100AF-JA	14	JA	2.228	2.174	A1F	1.319	2.441	1/2	-	1	11/16
16H100AF-JA	16	JA	2.546	2.492	A1F	1.319	2.638	1/2	-	1	11/16
18H100AF-SH	18	SH	2.865	2.811	A1F	1.319	3.110	21/32	-	1 5/16	5/8
19H100AF-SH	19	SH	3.024	2.970	A1F	1.319	3.228	21/32	-	1 5/16	5/8
20H100AF-SH	20	SH	3.183	3.129	A1F	1.319	3.386	21/32	-	1 5/16	5/8
21H100AF-SH	21	SH	3.342	3.288	A1F	1.319	3.583	21/32	-	1 5/16	5/8
22H100AF-SDS	22	SDS	3.501	3.447	A1F	1.319	3.701	21/32	-	1 5/16	5/8
24H100AF-SDS	24	SDS	3.820	3.766	A1F	1.319	4.055	21/32	-	1 5/8	5/8
26H100AF-SDS	26	SDS	4.138	4.084	A4F	1.319	4.370	5/32	1/2	1 5/16	0
28H100AF-SDS	28	SDS	4.456	4.402	A4F	1.319	4.685	5/32	1/2	1 5/16	0
30H100AF-SD	30	SD	4.775	4.721	A2F	1.319	5.000	21/32	0	1 13/16	0
32H100AF-SK	32	SK	5.093	5.093	A2F	1.319	5.315	25/32	0	1 15/32	0
36H100AF-SK	36	SK	5.730	5.676	A2F	1.319	5.945	25/32	0	1 15/16	0
40H100AF-SK	40	SK	6.366	6.312	A2F	1.319	6.575	25/32	0	1 15/16	0
44H100A-SK	44	SK	7.003	6.949	A2	1.319	-	25/32	0	1 15/16	0
48H100A-SK	48	SK	7.639	7.585	A2	1.319	-	25/32	0	1 15/16	0
60H100C-SF	60	SF	9.549	9.495	C1A	1.319	-	27/32	0	2 1/16	0
72H100C-SF	72	SF	11.459	11.405	C1A	1.319	-	27/32	0	2 1/16	0
84H100C-SF	84	SF	13.369	13.315	C1A	1.319	-	27/32	0	2 1/16	0
96H100C-SF	96	SF	15.279	15.225	C1A	1.319	-	27/32	0	2 1/16	0
120H100C-SF	120	SF	19.099	19.055	C1A	1.319	-	27/32	0	2 1/16	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings

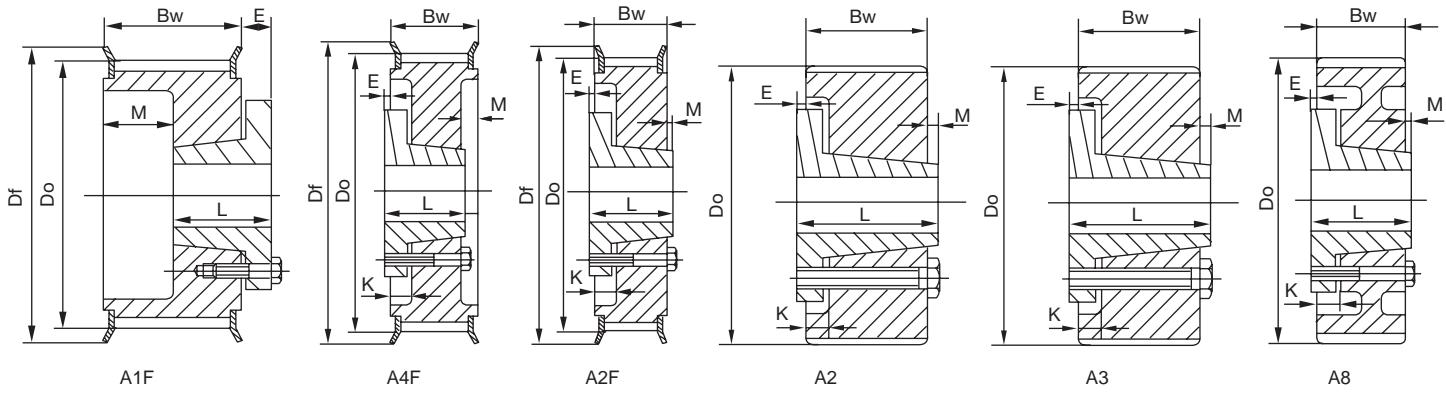
TYPE	PITCH	DESCRIPTION			BELT WIDTH		TSUBAKI Innovation in Motion		
H	1/2"	HEAVY DUTY			1 1/2"				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	Bushing Length L	M
14H150AF-JA	14	JA	2.228	2.174	A1F	1.819	2.441	1/2	-	1	1 3/16
16H150AF-JA	16	JA	2.546	2.492	A1F	1.819	2.638	1/2	-	1	1 3/16
18H150AF-SH	18	SH	2.865	2.811	A1F	1.819	3.110	9/16	-	1 5/16	1 1/8
22H150AF-SD	22	SD	3.501	3.447	A1F	1.819	3.701	9/16	-	1 13/16	9/16
24H150AF-SD	24	SD	3.820	3.766	A1F	1.819	4.055	9/16	-	1 13/16	9/16
26H150AF-SD	26	SD	4.138	4.084	A4F	1.819	4.370	9/16	1/2	1 13/16	1/16
28H150AF-SD	28	SD	4.456	4.402	A4F	1.819	4.685	9/16	1/2	1 13/16	1/16
30H150AF-SD	30	SD	4.775	4.721	A2F	1.819	5.000	9/16	9/16	1 13/16	0
32H150AF-SK	32	SK	5.093	5.093	A2F	1.819	5.315	9/32	9/16	1 15/16	0
36H150AF-SK	36	SK	5.730	5.676	A2F	1.819	5.945	7/32	9/16	1 15/16	0
40H150AF-SK	40	SK	6.366	6.312	A2F	1.819	6.575	7/32	9/16	1 15/16	0
44H150A-SK	44	SK	7.003	6.949	A2	1.819	-	7/32	9/16	1 15/16	0
48H150A-SK	48	SK	7.639	7.585	A3	1.819	-	7/32	9/16	1 15/16	0
60H150A-SF	60	SF	9.549	9.495	A8	1.819	-	9/16	9/32	2 1/16	9/32
72H150A-SF	72	SF	11.459	11.405	A8	1.819	-	9/16	9/32	2 1/16	9/32
84H150A-SF	84	SF	13.369	13.315	A8	1.819	-	9/16	9/32	2 1/16	9/32
96H150A-SF	96	SF	15.279	15.225	A8	1.819	-	9/16	9/32	2 1/16	9/32
120H150A-SF	120	SF	19.099	19.055	A8	1.819	-	9/16	9/32	2 1/16	9/32
156H150A-SF	156	SF	24.828	24.774	A8	1.819	-	9/16	9/32	2 1/16	9/32



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings



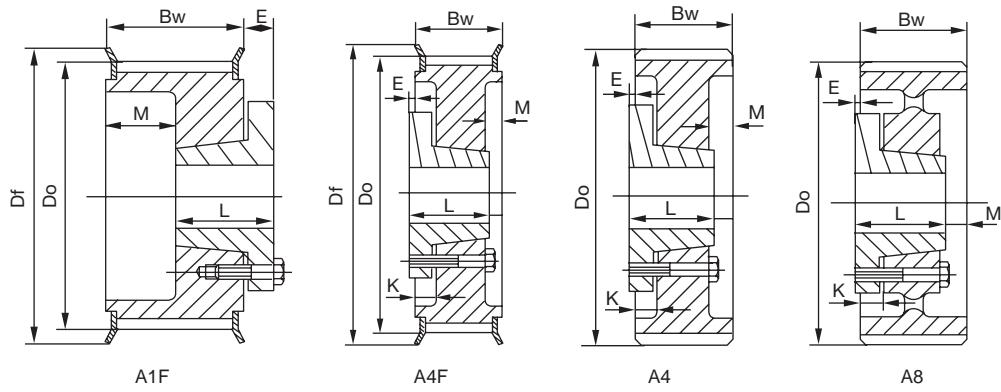
TYPE	PITCH	DESCRIPTION				BELT WIDTH	
		H	1/2"	HEAVY DUTY			2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	Bushing Length L	M
14H200AF-JA	14	JA	2.228	2.174	A1F	2.346	2.441	1/2	-	1	1 23/32
16H200AF-JA	16	JA	2.546	2.492	A1F	2.346	2.638	1/2	-	1	1 23/32
18H200AF-SH	18	SH	2.865	2.811	A1F	2.346	3.110	21/32	-	1 5/16	1 21/32
20H200AF-SH	20	SH	3.183	3.129	A1F	2.346	3.386	21/32	-	1 5/16	1 21/32
22H200AF-SD	22	SD	3.501	3.447	A1F	2.346	3.701	21/32	-	1 13/16	1 3/32
24H200AF-SD	24	SD	3.820	3.766	A1F	2.346	4.055	21/32	-	1 13/16	1 3/32
26H200AF-SD	26	SD	4.138	4.084	A4F	2.346	4.370	1/32	5/8	1 13/16	9/16
28H200AF-SD	28	SD	4.456	4.402	A4F	2.346	4.685	1/32	5/8	1 13/16	9/16
30H200AF-SD	30	SD	4.775	4.721	A4F	2.346	5.000	3/32	1 9/32	1 13/16	5/8
32H200AF-SK	32	SK	5.093	5.093	A4F	2.346	5.315	3/32	1 1/16	1 15/16	1/2
36H200AF-SK	36	SK	5.730	5.676	A4F	2.346	5.945	3/32	1 1/16	1 15/16	1/2
40H200AF-SK	40	SK	6.366	6.312	A4F	2.346	6.575	3/32	1 1/16	1 15/16	1/2
44H200A-SK	44	SK	7.003	6.949	A4	2.346	-	3/32	1 1/16	1 15/16	1/2
48H200A-SF	48	SF	7.639	7.585	A4	2.346	-	9/32	1/2	2 1/16	15/32
60H200A-SF	60	SF	9.549	9.495	A8	2.346	-	9/32	1/2	2 1/16	15/32
72H200A-SF	72	SF	11.459	11.405	A8	2.346	-	9/32	1/2	2 1/16	15/32
84H200A-SF	84	SF	13.369	13.315	A8	2.346	-	9/32	1/2	2 1/16	15/32
96H200A-E	96	E	15.279	15.225	A8	2.346	-	25/32	13/32	2 3/4	11/32
120H200A-E	120	E	19.099	19.055	A8	2.346	-	25/32	23/64	2 3/4	11/32
156H200A-E	156	E	24.828	24.774	A8	2.346	-	25/32	23/64	2 3/4	11/32



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with "QD" Style Bushings

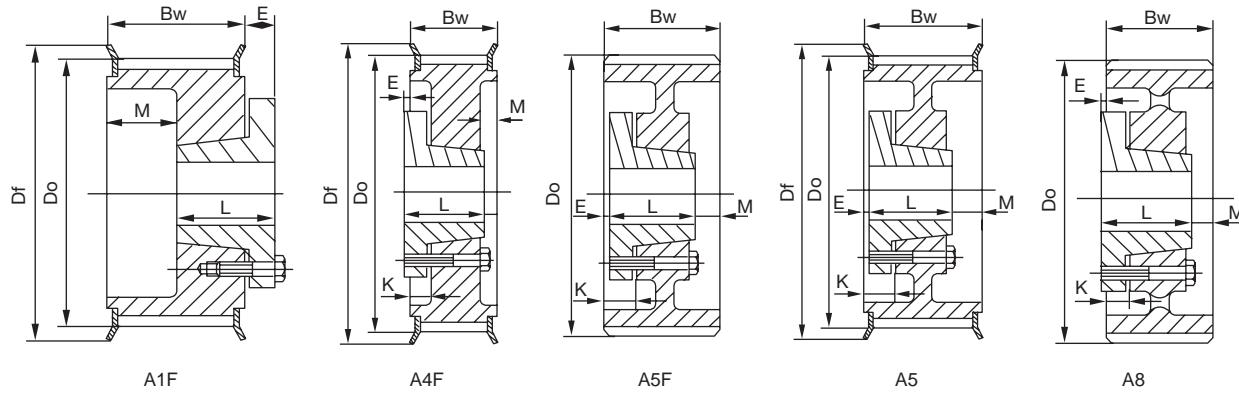
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
H	1/2"	HEAVY DUTY				3"				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	Bushing Length L	M
22H300AF-SD	22	SD	3.501	3.447	A1F	3.386	3.701	21/32	-	2	2 7/32
24H300AF-SD	24	SD	3.820	3.766	A1F	3.386	4.055	21/32	-	2	2 7/32
26H300AF-SD	26	SD	4.138	4.084	A4F	3.386	4.370	1/32	5/8	1 13/16	1 1/2
28H300AF-SD	28	SD	4.456	4.402	A4F	3.386	4.685	1/32	5/8	1 13/16	1 1/2
30H300AF-SD	30	SD	4.775	4.721	A5F	3.386	5.000	13/32	1 1/16	1 13/16	1 1/16
32H300AF-SK	32	SK	5.093	5.093	A5F	3.386	5.315	9/32	1 1/16	1 13/16	1 1/16
36H300AF-SK	36	SK	5.730	5.676	A5F	3.386	5.945	9/32	1 1/16	1 13/16	1 1/16
40H300AF-SK	40	SK	6.366	6.312	A5F	3.386	6.575	9/32	1 1/16	1 13/16	1 1/16
44H300A-SK	44	SK	7.003	6.949	A5	3.386	-	9/32	1 1/16	1 13/16	1 1/16
48H300A-SF	48	SF	7.639	7.585	A5	3.386	-	5/32	1 1/16	2 1/16	1 1/16
60H300A-SF	60	SF	9.549	9.495	A8	3.386	-	5/32	1 1/16	2 1/16	1 1/16
72H300A-SF	72	SF	11.459	11.405	A8	3.386	-	5/32	1 1/16	2 1/16	1 1/16
84H300A-SF	84	SF	13.369	13.315	A8	3.386	-	5/32	1 1/16	2 1/16	1 1/16
96H300A-E	96	E	15.279	15.225	A8	3.386	-	9/32	7/8	2 3/4	7/8
120H300A-E	120	E	19.099	19.055	A8	3.386	-	9/32	7/8	2 3/4	7/8
156H300A-E	156	E	24.828	24.774	A8	3.386	-	9/32	7/8	2 3/4	7/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



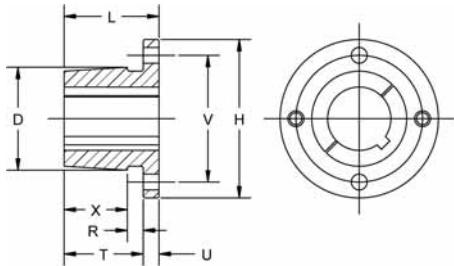
# ISO Trapezoidal Type Pulley with Split Taper Bushings



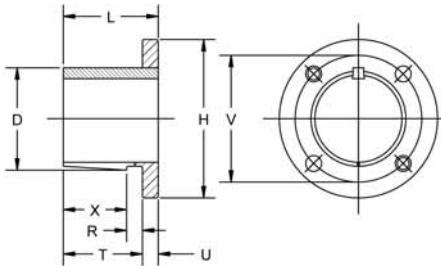
## Split Taper Bushings

Tsubaki trapezoidal type pulleys can be supplied with Split Taper style bushings. Refer to the diagram below and chart on next page for more information on sizes and specifications.

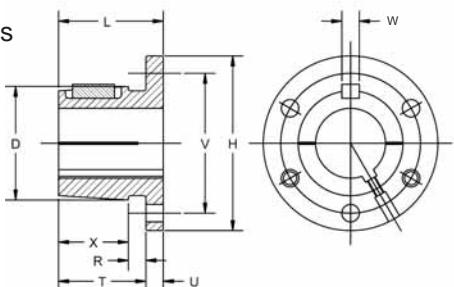
Type 1  
G & H Bushings



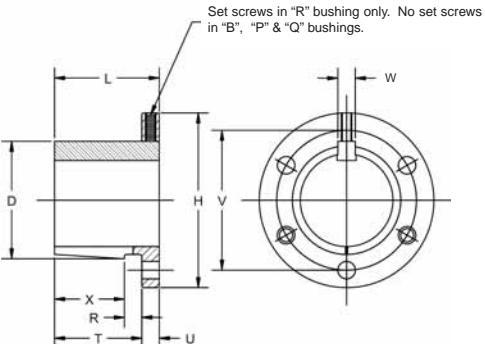
Type 2



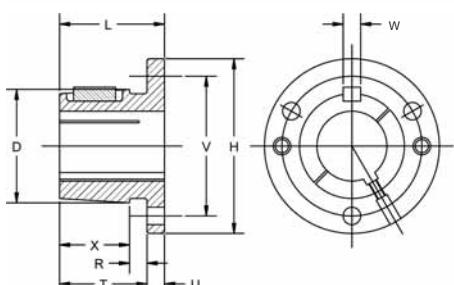
Type 1  
B, P, Q & R Bushings



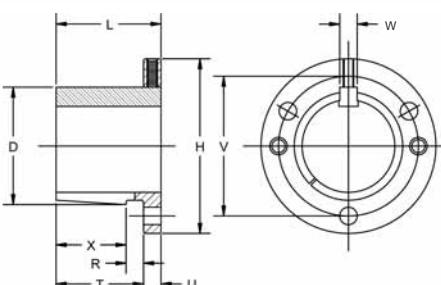
Type 2



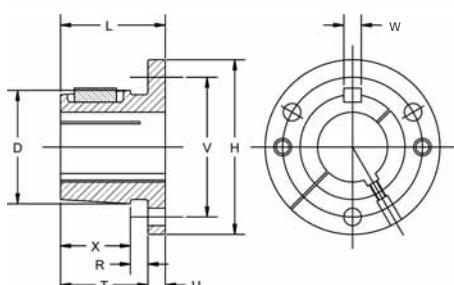
Type 1  
S Bushings



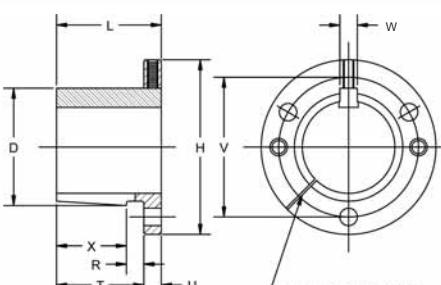
Type 2



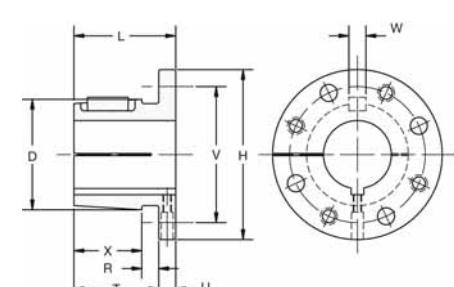
Type 1  
U Bushings



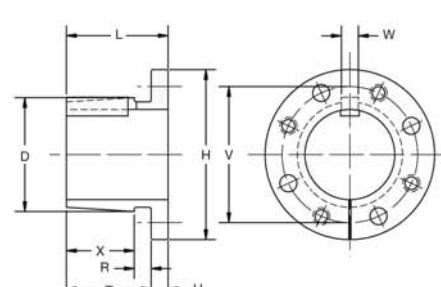
Type 2



Type 1  
W Bushings



Type 2

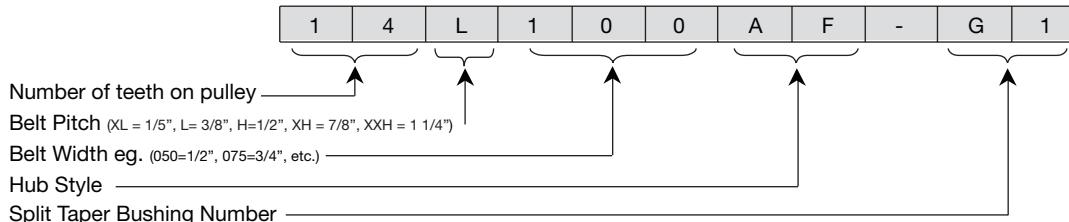


## Split Taper Bushings Specifications:

All dimensions in inches unless otherwise stated.

Bushing Number	Dimensions										Bore Range		Cap Screws		Wrench Torque (inch-pounds)	
	L	U	T	D		H	V	W	X	R	Type 1	Type 2	No.	Size		
				End Large	End Small											
G1	1	1/4	3/4	1.1720	1.1330	2	1 9/16	-	5/8	1/8	3/8 - 15/16	1	2	1/4 x 5/8	0.5	95
H1	1 1/4	1/4	1	1.6250	1.5700	2 1/2	2	-	7/8	1/8	3/8 - 1 3/8	1 7/16 - 1 1/2	2	1/4 x 3/4	0.8	95
P1	1 15/16	13/32	1 17/32	1.9375	1.8555	3	2 7/16	3/8	1 5/16	7/32	1/2 - 1 7/16	1 1/2 - 1 3/4	3	5/16 x 1	1.3	192
P2	2 15/16	13/32	2 17/32	1.9375	1.7930	3	2 7/16	3/8	2 5/16	7/32	3/4 - 1 7/16	1 1/2 - 1 3/4	3	5/16 x 1	1.5	192
B	1 15/16	1/2	1 7/16	2.6250	2.5567	3 11/16	3 1/8	1/2	1 3/16	1/4	1/2 - 1 15/16	2 - 2 7/16	3	5/16 x 1 1/4	1.8	192
Q1	2 1/2	17/32	1 31/32	2.8750	2.7657	4 1/8	3 3/8	1/2	1 3/4	7/32	3/4 - 2 1/16	2 1/8 - 2 11/16	3	3/8 x 1 1/4	3.5	348
Q2	3 1/2	17/32	2 31/32	2.8750	2.7032	4 1/8	3 3/8	1/2	2 3/4	7/32	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8 x 1 1/4	4.5	348
R1	2 7/8	5/8	2 1/4	4.0000	3.8750	5 3/8	4 5/8	3/4	2	1/4	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8 x 1 3/4	7.5	348
R2	4 7/8	5/8	4 1/4	4.0000	3.7500	5 3/8	4 5/8	3/4	4	1/4	1 3/8 - 2 13/16	2 7/8 - 3 5/8	3	3/8 x 1 3/4	11	348
S1	4 3/8	3/4	3 5/8	4.6250	4.4180	6 3/8	5 3/8	3/4	3 5/16	5/16	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2 x 2 1/4	14	840
S2	6 3/4	3/4	6	4.6250	4.2696	6 3/8	5 3/8	3/4	5 11/16	5/16	1 7/8 - 3 3/16	3 1/4 - 4 3/16	3	1/2 - 2 1/4	19	840
U0	5 1/4	1 1/16	4 3/16	6.0000	5.7656	8 3/8	7	1 1/4	3 3/4	7/16	2 3/8 - 3 1/16	-	3	5/8 x 2 3/4	30	1680
U0	4 15/16	3/4	4 3/16	6.0000	5.7656	8 3/8	7	1 1/4	3 3/4	7/16	3 1/4 - 4 1/4	4 3/8 - 5 1/2	3	5/8 x 2 3/4	27	1680
U1	7 1/8	1 1/16	6 1/16	6.0000	5.6485	8 3/8	7	1 1/4	5 5/8	7/16	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 x 2 3/4	40	1680
U2	10 1/8	1 1/16	9 1/16	6.0000	5.4610	8 3/8	7	1 1/4	5 5/8	7/16	2 7/16 - 4 1/4	4 3/8 - 5	3	5/8 x 2 3/4	50	1680
W1	8 1/4	1 7/16	6 13/16	8.5000	6.1018	12 1/2	10	1 1/4	6 3/8	7/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	104	3000
W2	11 1/4	1 7/16	9 13/16	8.5000	7.9144	12 1/2	10	1 1/4	9 3/8	7/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	133	3000

## How to Read Item Numbers:



# ISO Trapezoidal Type Pulley with Split Taper Bushings



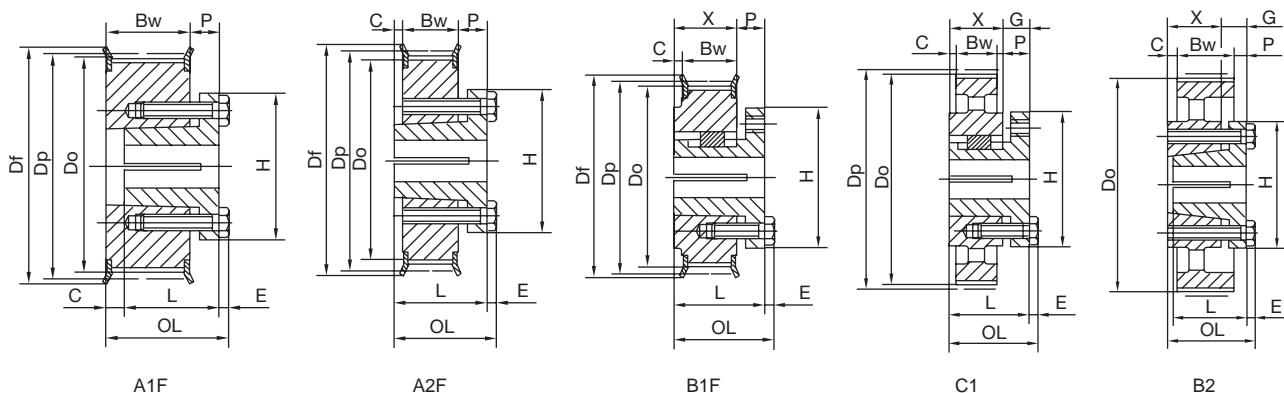
TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		L	3/8"	LIGHT DUTY						1/2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter $D_p$	Overall Outside Diameter $D_o$	Hub Style	Flange Diameter $D_f$	Overall Length $OL$	Bushing Length $L$	Tooth Width $B_w$	P	C	H	G	X	E
19L050AF-G1	19	G1	2.268	2.238	A1F	2.598	1.397	1	0.772	7/16	0.188	2	-	-	3/16
20L050AF-G1	20	G1	2.387	2.357	A1F	2.638	1.397	1	0.772	7/16	0.188	2	-	-	3/16
21L050AF-G1	21	G1	2.507	2.477	A1F	2.756	1.397	1	0.772	7/16	0.188	2	-	-	3/16
22L050AF-G1	22	G1	2.626	2.596	A1F	2.874	1.397	1	0.772	7/16	0.188	2	-	-	3/16
24L050AF-H1	24	H1	2.865	2.835	A2F	3.110	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
26L050AF-H1	26	H1	3.104	3.074	A2F	3.386	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
28L050AF-H1	28	H1	3.342	3.312	A2F	3.583	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
30L050AF-H1	30	H1	3.581	3.551	A2F	3.819	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
32L050AF-H1	32	H1	3.820	3.790	A2F	4.055	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
36L050AF-H1	36	H1	4.297	4.267	A2F	4.528	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
36L050BF-P1	36	P1	4.297	4.267	B1F	4.528	2.188	1 15/16	0.772	5/8	0.541	3	-	1 5/16	1/4
40L050AF-H1	40	H1	4.775	4.745	A2F	5.000	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
40L050BF-P1	40	P1	4.775	4.745	B1F	5.000	2.188	1 15/16	0.772	5/8	0.541	3	-	1 5/16	1/4
44L050AF-H1	44	H1	5.252	5.222	A2F	5.472	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
44L050BF-P1	44	P1	5.252	5.222	B1F	5.472	2.188	1 15/16	0.772	5/8	0.541	3	-	1 5/16	1/4
48L050AF-H1	48	H1	5.730	5.700	A2	5.945	1.438	1 1/4	0.772	7/16	0.041	2 1/2	-	-	3/16
48L050BF-P1	48	P1	5.730	5.700	B1F	5.945	2.188	1 15/16	0.772	5/8	0.541	3	-	1 5/16	1/4
60L050B-H1	60	H1	7.162	7.132	B2	-	1.500	1 1/4	0.772	7/16	0.103	2 1/2	7/16	7/8	3/16
60L050C-P1	60	P1	7.162	7.132	C1	-	2.188	1 15/16	0.772	5/8	0.541	3	5/8	1 5/16	1/4
72L050B-H1	72	H1	8.594	8.564	B2	-	1.500	1 1/4	0.772	7/16	0.103	2 1/2	7/16	7/8	3/16
72L050C-P1	72	P1	8.594	8.564	C1	-	2.188	1 15/16	0.772	5/8	0.541	3	5/8	1 5/16	1/4
84L050B-H1	84	H1	10.027	9.997	B2	-	1.500	1 1/4	0.772	7/16	0.103	2 1/2	7/16	7/8	3/16
84L050C-P1	84	P1	10.027	9.997	C1	-	2.188	1 15/16	0.772	5/8	0.541	3	5/8	1 5/16	1/4
96L050B-H1	96	H1	11.459	11.429	B2	-	1.500	1 1/4	0.772	7/16	0.103	2 1/2	7/16	7/8	3/16
96L050C-P1	96	P1	11.459	11.429	C1	-	2.188	1 15/16	0.772	5/8	0.541	3	5/8	1 5/16	1/4
120L050B-H1	120	H1	14.324	14.294	B2	-	1.500	1 1/4	0.772	7/16	0.103	2 1/2	7/16	7/8	3/16
120L050C-P1	120	P1	14.324	14.294	C1	-	2.188	1 15/16	0.772	5/8	0.541	3	5/8	1 5/16	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings

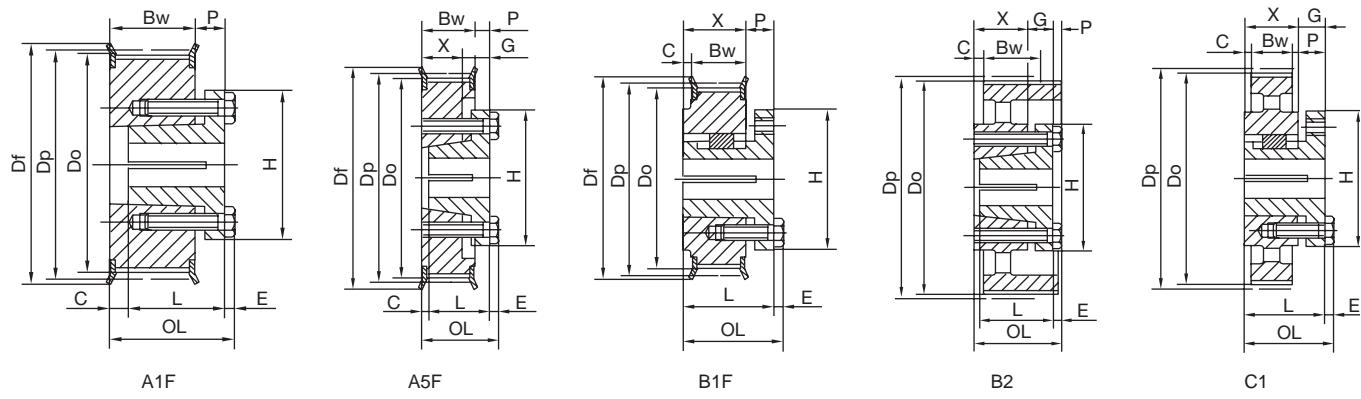
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	3/4"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Flange Diameter D <sub>f</sub>	Overall Length O <sub>L</sub>	Bushing Length L	Tooth Width B <sub>w</sub>	P	C	H	G	X	E
19L075AF-G1	19	G1	2.268	2.238	A1F	2.598	1.649	1	1.024	7/16	0.462	2	-	-	3/16
20L075AF-G1	20	G1	2.387	2.357	A1F	2.638	1.649	1	1.024	7/16	0.462	2	-	-	3/16
21L075AF-G1	21	G1	2.507	2.477	A1F	2.756	1.649	1	1.024	7/16	0.462	2	-	-	3/16
22L075AF-G1	22	G1	2.626	2.596	A1F	2.874	1.649	1	1.024	7/16	0.462	2	-	-	3/16
24L075AF-H1	24	H1	2.865	2.835	A1F	3.110	1.649	1 1/4	1.024	7/16	0.212	2 1/2	-	-	3/16
26L075AF-H1	26	H1	3.104	3.074	A1F	3.386	1.649	1 1/4	1.024	7/16	0.212	2 1/2	-	-	3/16
28L075AF-H1	28	H1	3.342	3.312	A1F	3.583	1.649	1 1/4	1.024	7/16	0.212	2 1/2	-	-	3/16
30L075AF-H1	30	H1	3.581	3.551	A5F	3.819	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	1 31/32	3/16
32L075AF-H1	32	H1	3.820	3.790	A5F	4.055	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	1 3/16	3/16
36L075AF-H1	36	H1	4.297	4.267	A5F	4.528	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	1 3/16	3/16
36L075BF-P1	36	P1	4.297	4.267	B1F	4.528	2.188	1 15/16	1.024	5/8	0.289	3	-	1 5/16	1/4
40L075AF-H1	40	H1	4.775	4.745	A5F	5.000	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	1 3/16	3/16
40L075BF-P1	40	P1	4.775	4.745	B1F	5.000	2.188	1 15/16	1.024	5/8	0.289	3	-	1 5/16	1/4
44L075AF-H1	44	H1	5.252	5.222	A5F	5.472	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	1 3/16	3/16
44L075BF-P1	44	P1	5.252	5.222	B1F	5.472	2.188	1 15/16	1.024	5/8	0.289	3	-	1 5/16	1/4
48L075AF-H1	48	H1	5.730	5.700	A5F	5.945	1.462	1 1/4	1.024	1/4	0.024	2 1/2	7/16	7/8	3/16
48L075BF-P1	48	P1	5.730	5.700	B1F	5.945	2.188	1 15/16	1.024	5/8	0.289	3	-	1 5/16	1/4
60L075B-H1	60	H1	7.162	7.132	B2	-	1.500	1 1/4	1.024	1/4	0.039	2 1/2	7/16	7/8	3/16
60L075C-P1	60	P1	7.162	7.132	C1	-	2.188	1 15/16	1.024	5/8	0.289	3	5/8	1 5/16	1/4
72L075B-H1	72	H1	8.594	8.564	B2	-	1.500	1 1/4	1.024	1/4	0.039	2 1/2	7/16	7/8	3/16
72L075C-P1	72	P1	8.594	8.564	C1	-	2.188	1 15/16	1.024	5/8	0.289	3	5/8	1 5/16	1/4
84L075B-H1	84	H1	10.027	9.997	B2	-	1.500	1 1/4	1.024	1/4	0.039	2 1/2	7/16	7/8	3/16
84L075C-P1	84	P1	10.027	9.997	C1	-	2.188	1 15/16	1.024	5/8	0.289	3	5/8	1 5/16	1/4
96L075B-H1	96	H1	11.459	11.429	B2	-	1.500	1 1/4	1.024	1/4	0.039	2 1/2	7/16	7/8	3/16
96L075C-P1	96	P1	11.459	11.429	C1	-	2.188	1 15/16	1.024	5/8	0.289	3	5/8	1 5/16	1/4
120L075B-H1	120	H1	14.324	14.294	B2	-	1.500	1 1/4	1.024	1/4	0.039	2 1/2	7/16	7/8	3/16
120L075C-P1	120	P1	14.324	14.294	C1	-	2.188	1 15/16	1.024	5/8	0.289	3	5/8	1 5/16	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings



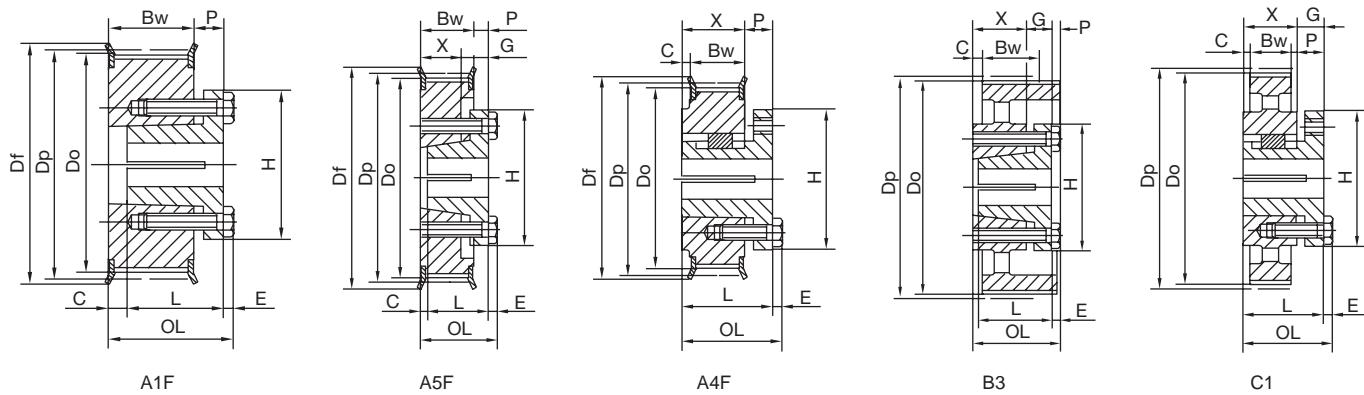
TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		L	3/8"	LIGHT DUTY				1"		

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Flange Diameter Df	Overall Length OL	Bushing Length L	Tooth Width Bw	P	C	H	G	X	E
19L100AF-G1	19	G1	2.268	2.238	A1F	2.598	1.897	1	1.272	7/16	0.710	2	-	-	3/16
20L100AF-G1	20	G1	2.387	2.357	A1F	2.638	1.897	1	1.272	7/16	0.710	2	-	-	3/16
21L100AF-G1	21	G1	2.507	2.477	A1F	2.756	1.897	1	1.272	7/16	0.710	2	-	-	3/16
22L100AF-G1	22	G1	2.626	2.596	A1F	2.874	1.897	1	1.272	7/16	0.710	2	-	-	3/16
24L100AF-H1	24	H1	2.865	2.835	A1F	3.110	1.897	1 1/4	1.272	7/16	0.460	2 1/2	-	-	3/16
26L100AF-H1	26	H1	3.104	3.074	A1F	3.386	1.897	1 1/4	1.272	7/16	0.460	2 1/2	-	-	3/16
28L100AF-H1	28	H1	3.342	3.312	A1F	3.583	1.897	1 1/4	1.272	7/16	0.460	2 1/2	-	-	3/16
30L100AF-H1	30	H1	3.581	3.551	A5F	3.819	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
32L100AF-H1	32	H1	3.820	3.790	A5F	4.055	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
36L100AF-H1	36	H1	4.297	4.267	A5F	4.528	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
36L100AF-P1	36	P1	4.297	4.267	A4F	4.528	2.188	1 15/16	1.272	5/8	0.041	3	-	-	1/4
40L100AF-H1	40	H1	4.775	4.745	A5F	5.000	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
40L100AF-P1	40	P1	4.775	4.745	A4F	5.000	2.188	1 15/16	1.272	5/8	0.041	3	-	-	1/4
44L100AF-H1	44	H1	5.252	5.222	A5F	5.472	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
44L100AF-P1	44	P1	5.252	5.222	A4F	5.472	2.188	1 15/16	1.272	5/8	0.041	3	-	-	1/4
48L100AF-H1	48	H1	5.730	5.700	A5F	5.945	1.460	1 1/4	1.272	0	0.022	2 1/2	7/16	1 3/16	3/16
48L100AF-P1	48	P1	5.730	5.700	A4F	5.945	2.188	1 15/16	1.272	5/8	0.041	3	-	-	1/4
60L100B-H1	60	H1	7.162	7.132	B3	-	1.500	1 1/4	1.272	1/16	0.103	2 1/2	7/16	7/8	3/16
60L100C-P1	60	P1	7.162	7.132	C1	-	2.188	1 15/16	1.272	5/8	0.041	3	5/8	1 5/16	1/4
72L100B-H1	72	H1	8.594	8.564	B3	-	1.500	1 1/4	1.272	1/16	0.103	2 1/2	7/16	7/8	3/16
72L100C-P1	72	P1	8.594	8.564	C1	-	2.188	1 15/16	1.272	5/8	0.041	3	5/8	1 5/16	1/4
84L100B-H1	84	H1	10.027	9.997	B3	-	1.500	1 1/4	1.272	1/16	0.103	2 1/2	7/16	7/8	3/16
84L100C-P1	84	P1	10.027	9.997	C1	-	2.188	1 15/16	1.272	5/8	0.041	3	5/8	1 5/16	1/4
96L100B-H1	96	H1	11.459	11.429	B3	-	1.500	1 1/4	1.272	1/16	0.103	2 1/2	7/16	7/8	3/16
96L100C-P1	96	P1	11.459	11.429	C1	-	2.188	1 15/16	1.272	5/8	0.041	3	5/8	1 5/16	1/4
120L100B-H1	120	H1	14.324	14.294	B3	-	1.500	1 1/4	1.272	1/16	0.103	2 1/2	7/16	7/8	3/16
120L100C-P1	120	P1	14.324	14.294	C1	-	2.188	1 15/16	1.272	5/8	0.041	3	5/8	1 5/16	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings

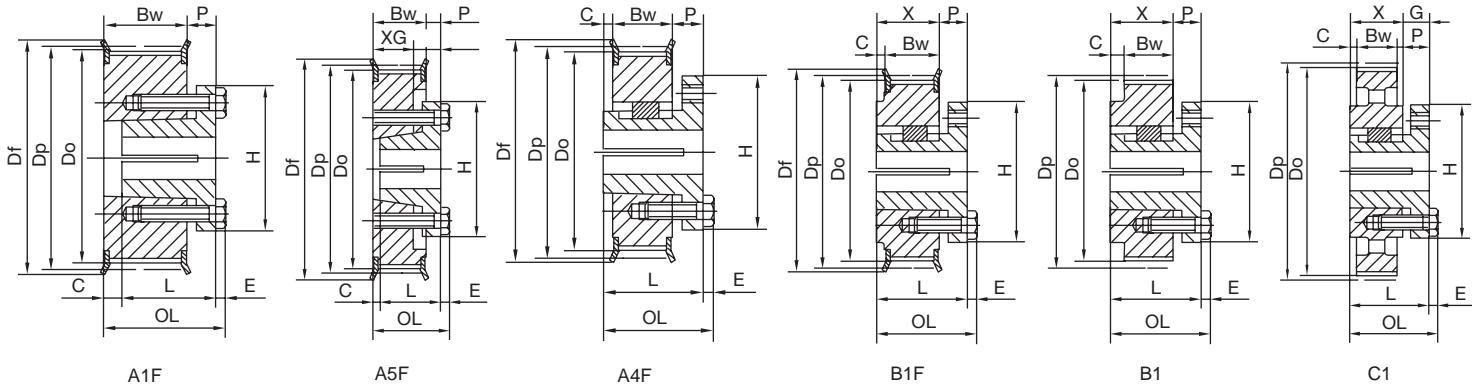
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	1"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Flange Diameter Df	Overall Length OL	Bushing Length L	Tooth Width Bw	P	C	H	G	X	E
14H100AF-G1	14	G1	2.228	2.174	A1F	2.441	1.875	1	1.319	7/16	0.757	2	-	-	3/16
16H100AF-G1	16	G1	2.546	2.492	A1F	2.638	1.875	1	1.319	7/16	0.757	2	-	-	3/16
18H100AF-H1	18	H1	2.865	2.811	A1F	3.110	1.875	1	1.319	7/16	0.507	2 1/2	-	-	3/16
20H100AF-H1	20	H1	3.183	3.129	A1F	3.386	1.875	1	1.319	7/16	0.507	2 1/2	-	-	3/16
22H100AF-H1	22	H1	3.501	3.447	A5F	3.701	1.438	1 1/4	1.319	0	0	2 1/2	7/16	13/16	3/16
22H100AF-P1	22	P1	3.501	3.447	A4F	3.701	2.125	1 15/16	1.319	5/8	0	3	-	-	1/4
24H100AF-H1	24	H1	3.820	3.766	A5F	4.055	1.438	1 1/4	1.319	0	0.069	2 1/2	7/16	13/16	3/16
24H100AF-P1	24	P1	3.820	3.766	A4F	4.055	2.125	1 15/16	1.319	1	0	3	-	-	1/4
26H100AF-H1	26	H1	4.138	4.084	A5F	4.370	1.438	1 1/4	1.319	0	0.069	2 1/2	7/16	13/16	3/16
26H100AF-P1	26	P1	4.138	4.084	A4F	4.370	2.125	1 15/16	1.319	1	0	3	-	-	1/4
28H100AF-H1	28	H1	4.456	4.402	A5F	4.685	1.438	1 1/4	1.319	0	0.069	2 1/2	7/16	13/16	3/16
28H100AF-P1	28	P1	4.456	4.402	A4F	4.685	2.125	1 15/16	1.319	1	0	3	-	-	1/4
30H100AF-H1	30	H1	4.775	4.721	A5F	5.000	1.438	1 1/4	1.319	0	0.069	2 1/2	7/16	13/16	3/16
30H100AF-P1	30	P1	4.775	4.721	A4F	5.000	2.125	1 15/16	1.319	1	0	3	-	-	1/4
32H100BF-Q1	32	Q1	5.093	5.039	B1F	5.315	2.781	2 1/2	1.319	3/4	0.431	4 1/8	-	1 3/4	9/32
36H100BF-Q1	36	Q1	5.730	5.676	B1F	6.000	2.781	2 1/2	1.319	1	0.431	4 1/8	-	1 3/4	9/32
40H100BF-Q1	40	Q1	6.366	6.312	B1F	6.575	2.781	2 1/2	1.319	3/4	0.431	4 1/8	-	1 3/4	9/32
44H100B-Q1	44	Q1	7.003	6.949	B1	-	2.781	2 1/2	1.319	3/4	0.431	4 1/8	-	1 3/4	9/32
48H100B-Q1	48	Q1	7.639	7.585	B1	-	2.781	2 1/2	1.319	3/4	0.431	4 1/8	-	1 3/4	9/32
60H100C-Q1	60	Q1	9.549	9.495	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32
72H100C-Q1	72	Q1	11.459	11.405	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32
84H100C-Q1	84	Q1	13.369	13.315	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32
96H100C-Q1	96	Q1	15.279	15.225	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32
120H100C-Q1	120	Q1	19.099	19.045	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32
156H100C-Q1	156	Q1	24.828	24.774	C1	-	2.781	2 1/2	1.319	1	0.181	4 1/8	3/4	1 3/4	9/32



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings



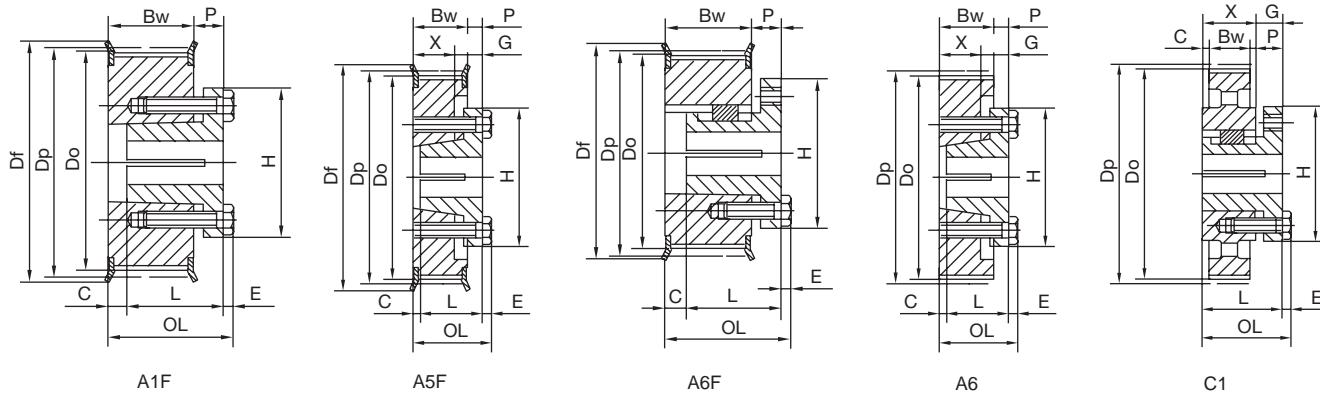
TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		H	1/2"	HEAVY DUTY						1 1/2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Flange Diameter D <sub>f</sub>	Overall Length O <sub>L</sub>	Bushing Length L	Tooth Width B <sub>w</sub>	P	C	H	G	X	E
14H150AF-G1	14	G1	2.228	2.174	A1F	2.441	2.444	1	1.819	7/16	1.257	2	-	-	3/16
16H150AF-G1	16	G1	2.546	2.492	A1F	2.638	2.444	1	1.819	7/16	1.257	1 9/32	-	-	3/16
18H150AF-H1	18	H1	2.865	2.811	A1F	3.110	2.444	1 1/4	1.819	7/16	1.007	2 1/2	-	-	3/16
20H150AF-H1	20	H1	3.183	3.129	A1F	3.386	2.444	1 1/4	1.819	7/16	1.007	2 1/2	-	-	3/16
22H150AF-H1	22	H1	3.501	3.447	A5F	3.701	2.007	1 1/32	1.819	0	0.788	2 1/2	7/16	1 5/16	3/16
22H150AF-P1	22	P1	3.501	3.447	A6F	3.701	2.694	1 15/16	1.819	5/8	0.507	3	-	1 5/16	1/4
24H150AF-H1	24	H1	3.820	3.766	A5F	4.055	2.007	1 1/32	1.819	0	0.788	2 1/2	7/16	1 5/16	3/16
24H150AF-P1	24	P1	3.820	3.766	A6F	4.055	2.694	1 15/16	1.819	5/8	0.507	3	-	1 5/16	1/4
26H150AF-H1	26	H1	4.138	4.084	A5F	4.370	2.007	1 1/32	1.819	0	0.788	2 1/2	7/16	1 5/16	3/16
26H150AF-P1	26	P1	4.138	4.084	A6F	4.370	2.694	1 15/16	1.819	5/8	0.507	3	-	1 5/16	1/4
28H150AF-H1	28	H1	4.456	4.402	A5F	4.685	2.007	1 1/32	1.819	0	0.788	2 1/2	7/16	1 5/16	3/16
28H150AF-P1	28	P1	4.456	4.402	A6F	4.685	2.694	1 15/16	1.819	5/8	0.507	3	-	1 5/16	1/4
30H150AF-H1	30	H1	4.775	4.721	A5F	5.000	2.007	1 1/32	1.819	0	0.788	2 1/2	7/16	1 5/16	3/16
30H150AF-P1	30	P1	4.775	4.721	A6F	5.000	2.694	1 15/16	1.819	5/8	0.507	3	-	1 5/16	1/4
32H150AF-Q1	32	Q1	5.093	5.039	A6F	5.315	2.850	2 1/2	1.819	3/4	0.069	4 1/8	-	1 3/4	9/32
36H150AF-Q1	36	Q1	5.730	5.676	A6F	6.000	2.850	2 1/2	1.819	3/4	0.069	4 1/8	-	1 3/4	9/32
40H150AF-Q1	40	Q1	6.366	6.312	A6F	6.575	2.850	2 1/2	1.819	3/4	0.069	4 1/8	-	1 3/4	9/32
44H150A-Q1	44	Q1	7.003	6.949	A6	-	2.850	2 1/2	1.819	3/4	0.069	4 1/8	-	1 3/4	9/32
48H150A-Q1	48	Q1	7.639	7.585	A6	-	2.850	2 1/2	1.819	3/4	0.069	4 1/8	-	1 3/4	9/32
60H150C-Q1	60	Q1	9.549	9.495	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32
72H150C-Q1	72	Q1	11.459	11.405	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32
84H150C-Q1	84	Q1	13.369	13.315	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32
96H150C-Q1	96	Q1	15.279	15.225	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32
120H150C-Q1	120	Q1	19.099	19.045	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32
156H150C-Q1	156	Q1	24.828	24.774	C1	-	2.781	2 1/2	1.819	3/4	0	4 1/8	3/4	1 3/4	9/32



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings

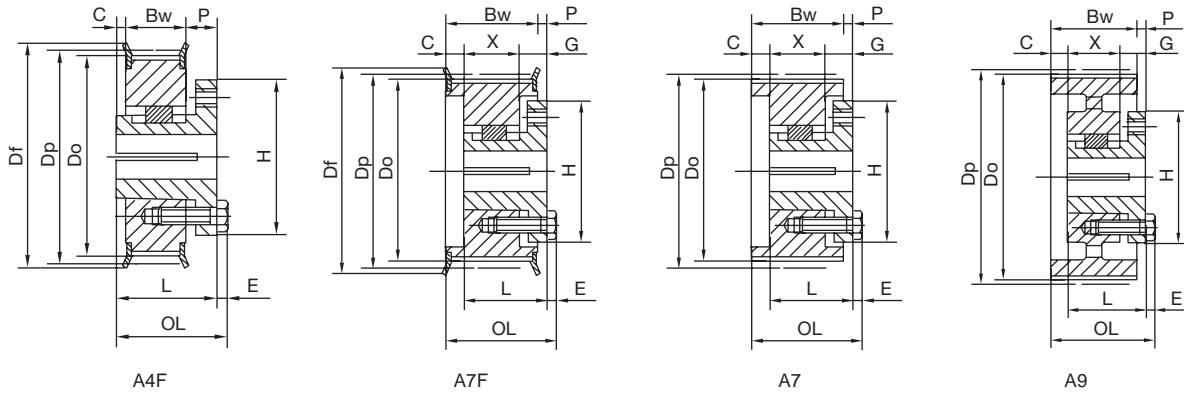
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	2"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter $D_p$	Overall Outside Diameter $D_o$	Hub Style	Flange Diameter $D_f$	Overall Length $OL$	Bushing Length $L$	Tooth Width $B_w$	P	C	H	G	X	E
22H200AF-P2	22	P2	3.501	3.447	A4F	3.701	3.221	2 15/16	2.346	5/8	0	3	-	-	1/4
24H200AF-P2	24	P2	3.820	3.766	A4F	4.055	3.221	2 15/16	2.346	5/8	0	3	-	-	1/4
26H200AF-P2	26	P2	4.138	4.084	A4F	4.370	3.221	2 15/16	2.346	5/8	0	3	-	-	1/4
28H200AF-P2	28	P2	4.456	4.402	A4F	4.685	3.221	2 15/16	2.346	5/8	0	3	-	-	1/4
30H200AF-P2	30	P2	4.775	4.721	A4F	5.000	3.221	2 15/16	2.346	5/8	0	3	-	-	1/4
32H200AF-Q1	32	Q1	5.093	5.039	A7F	5.315	2.846	2 1/2	2.346	7/32	0.065	4 1/8	3/4	1 3/4	9/32
36H200AF-Q1	36	Q1	5.730	5.676	A7F	6.000	2.846	2 1/2	2.346	7/32	0.065	4 1/8	3/4	1 3/4	9/32
40H200AF-Q1	40	Q1	6.366	6.312	A7F	6.575	2.846	2 1/2	2.346	7/32	0.065	4 1/8	3/4	1 3/4	9/32
44H200A-Q1	44	Q1	7.003	6.949	A7	-	2.846	2 1/2	2.346	7/32	0.065	4 1/8	3/4	1 3/4	9/32
48H200A-Q1	48	Q1	7.639	7.585	A7	-	2.846	2 1/2	2.346	7/32	0.065	4 1/8	3/4	1 3/4	9/32
60H200A-Q1	60	Q1	9.549	9.495	A9	-	3.112	2 1/2	2.346	31/64	0.333	4 1/8	3/4	1 3/4	9/32
72H200A-Q1	72	Q1	11.459	11.405	A9	-	3.112	2 1/2	2.346	31/64	0.333	4 1/8	3/4	1 3/4	9/32
84H200A-Q1	84	Q1	13.369	13.315	A9	-	3.112	2 1/2	2.346	31/64	0.333	4 1/8	3/4	1 3/4	9/32
96H200A-R1	96	R1	15.279	15.225	A9	-	3.362	2 7/8	2.346	47/64	0.205	5 3/8	7/8	2	9/32
120H200A-R1	120	R1	19.099	19.045	A9	-	3.362	2 7/8	2.346	47/64	0.205	5 3/8	7/8	2	9/32
156H200A-R1	156	R1	24.828	24.774	A9	-	3.252	2 7/8	2.346	5/8	0.096	5 3/8	7/8	2	9/32



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# ISO Trapezoidal Type Pulley with Split Taper Bushings



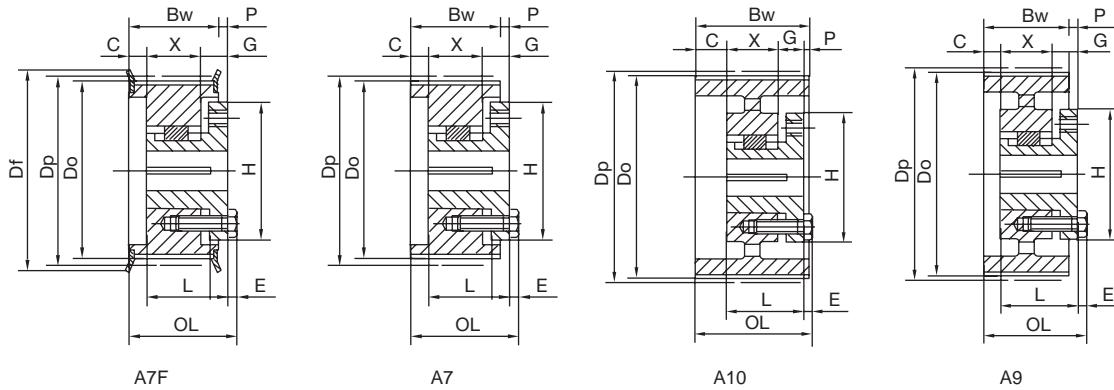
TYPE	PITCH	DESCRIPTION						BELT WIDTH			
		H	1/2"	HEAVY DUTY						3"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Flange Diameter D <sub>f</sub>	Overall Length O <sub>L</sub>	Bushing Length L	Tooth Width B <sub>w</sub>	P	C	H	G	X	E
32H300AF-Q1	32	Q1	5.093	5.039	A7F	5.315	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
36H300AF-Q1	36	Q1	5.730	5.676	A7F	6.000	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
40H300AF-Q1	40	Q1	6.366	6.312	A7F	6.575	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
44H300A-Q1	44	Q1	7.003	6.949	A7	-	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
48H300A-Q1	48	Q1	7.639	7.585	A7	-	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
60H300A-Q1	60	Q1	9.549	9.495	A10	-	3.667	2 1/2	3.386	0	0.886	4 1/8	3/4	1 3/4	9/32
72H300A-Q1	72	Q1	11.459	11.405	A10	-	3.636	2 1/2	3.386	1/32	0.855	4 1/8	3/4	1 3/4	9/32
84H300A-Q1	84	Q1	13.369	13.315	A10	-	3.636	2 1/2	3.386	1/32	0.855	4 1/8	3/4	1 3/4	9/32
96H300A-R1	96	R1	15.279	15.225	A9	-	3.886	2 7/8	3.386	7/32	0.730	5/32	7/8	2	9/32
120H300A-R1	120	R1	19.099	19.045	A9	-	3.886	2 7/8	3.386	7/32	0.730	5/32	7/8	2	9/32
156H300A-R1	156	R1	24.828	24.774	A9	-	3.792	2 7/8	3.386	1/8	0.636	5/32	7/8	2	9/32



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



## Introduction to Locking Type Pulleys

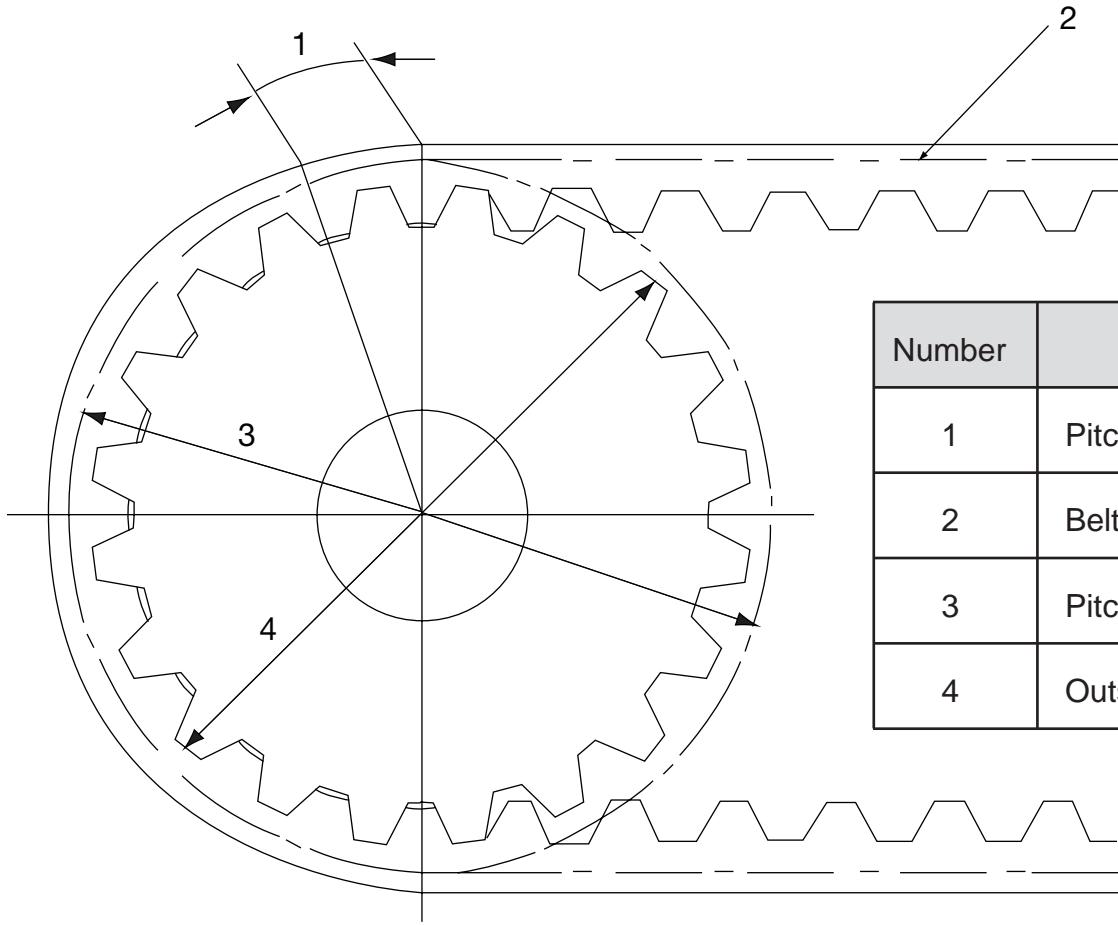


Tsubaki's exclusive Locking Type Pulley is a well-engineered, adjustable and affordable device that solves engineering and maintenance difficulties associated with other connection alternatives. The locking device has a shaft-to-hub friction connection that relies on concentric surface pressure to affix the pulley to a motor-driven shaft. It improves the connection of a drive component to a shaft. It helps to eliminate problems with keyway connections and limitations for QD and tapered bushings. This frictional, keyless system enables transmission of high-torque and axial loads, and accommodates reversing, dynamic or shock loading.

The locking type pulley allows for easy attachment of shaft to hub without time and money spent on machining or extra assembly labour. It connects hubs solidly to shafts, using a keyless mechanical interference fit to transmit torque or to withstand axial thrust. This mechanical interference fit utilizes screw tension in the locking device, converted into radial pressure. This pressure expands the locking device to eliminate the gap between the hub and the shaft. It uses the friction bond between the device and the shaft/hub to create a zero backlash connection. This connection is easily releasable to remove the mechanical interference fit.

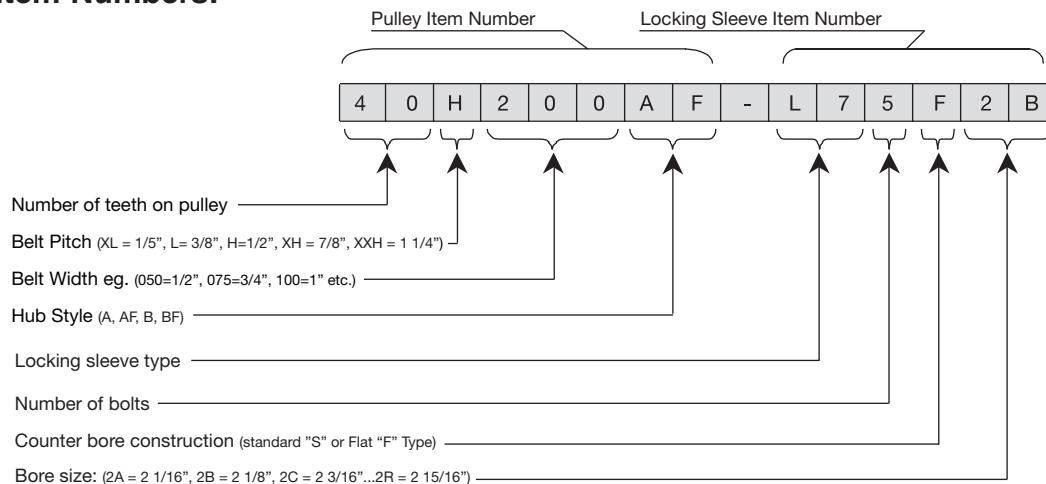
The contact pressures created using a locking device can be greater than traditional interference fit pressures, allowing for more torque to be transmitted or shorter hubs to be used. The easy installation also allows the hub to be positioned more accurately on the shaft, and can facilitate angular timing of the hub.





Number	Name
1	Pitch
2	Belt pitch line
3	Pitch diameter (Dp)
4	Outside diameter (Do)

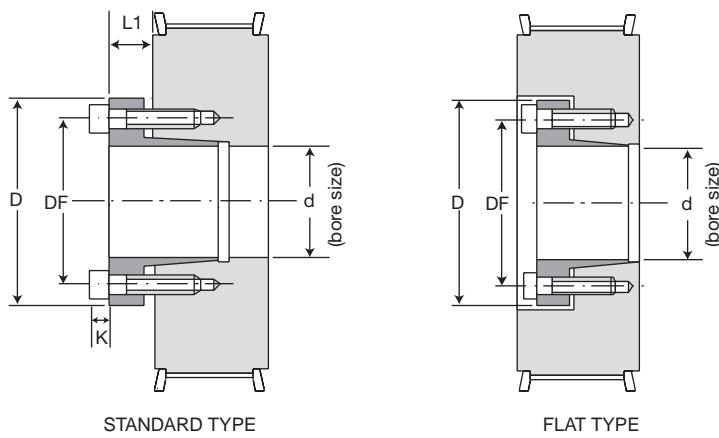
### How to Read Item Numbers:



## Locking Sleeve Bolt Torque and Dimensions

Locking Sleeve Type	Bolt Size (mm)	Bolt Torque (ft-lb)	D (inch)	DF (inch)	L1 (inch)	K (inch)
L1	M4	3	1.260	0.945	0.472	0.157
L2	M5	6	1.654	1.260	0.551	0.197
L3	M5	6	1.909	1.516	0.610	0.197
L4	M5	6	2.205	1.811	0.610	0.197
L5	M5	6	2.598	2.205	0.689	0.197
L6	M6	12	3.150	2.677	0.827	0.236
L7	M8	30	3.976	3.386	0.965	0.315

## Type of Locking Sleeve



# ISO Trapezoidal Locking Type Pulley



## Locking Type Pulley and Belt Technical Information

### Transmissible Force

Number of Locking bolts	Locking Sleeve Type	L1		
		7/16	1/2	5/8
3	Maximum Transmissible Torque (ft.-lb.)	35	41	51
	Minimum Hub Outside Diameter (in.)	1.1	1.1	1.1
4	Maximum Transmissible Torque (ft.-lb.)	47	54	67
	Minimum Hub Outside Diameter (in.)	1.3	1.3	1.3
6	Maximum Transmissible Torque (ft.-lb.)	-	-	101
	Minimum Hub Outside Diameter (in.)	-	-	1.7

Number of Locking bolts	Locking Sleeve Type	L2	
		5/8	3/4
3	Maximum Transmissible Torque (ft.-lb.)	82	98
	Minimum Hub Outside Diameter (in.)	1.6	1.6
4	Maximum Transmissible Torque (ft.-lb.)	109	131
	Minimum Hub Outside Diameter (in.)	1.6	1.6
6	Maximum Transmissible Torque (ft.-lb.)	-	196
	Minimum Hub Outside Diameter (in.)	-	2.0

Number of Locking bolts	Locking Sleeve Type	L3		
		7/8	15/16	1
3	Maximum Transmissible Torque (ft.-lb.)	114	122	131
	Minimum Hub Outside Diameter (in.)	1.7	1.7	1.7
4	Maximum Transmissible Torque (ft.-lb.)	153	163	174
	Minimum Hub Outside Diameter (in.)	1.9	1.9	1.9
6	Maximum Transmissible Torque (ft.-lb.)	229	247	257
	Minimum Hub Outside Diameter (in.)	2.2	2.2	2.2

Number of Locking bolts	Locking Sleeve Type	L4				
		15/16	1	1 1/8	1 1/4	1 3/8
4	Maximum Transmissible Torque (ft.-lb.)	196	218	240	145	160
	Minimum Hub Outside Diameter (in.)	2.0	2.0	2.0	2.0	2.0
6	Maximum Transmissible Torque (ft.-lb.)	294	327	359	217	241
	Minimum Hub Outside Diameter (in.)	2.2	2.2	2.2	2.2	2.2
8	Maximum Transmissible Torque (ft.-lb.)	392	435	479	289	321
	Minimum Hub Outside Diameter (in.)	2.5	2.5	2.5	2.5	2.5

**Locking Type Pulley and Belt Technical Information****Transmissible Force**

Number of Locking bolts	Locking Sleeve Type	L5				
		1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
5	Maximum Transmissible Torque (ft.-lb.)	299	313	327	354	381
	Minimum Hub Outside Diameter (in.)	2.5	2.5	2.5	2.5	2.5
6	Maximum Transmissible Torque (ft.-lb.)	359	375	392	425	457
	Minimum Hub Outside Diameter (in.)	2.6	2.6	2.6	2.6	2.6
8	Maximum Transmissible Torque (ft.-lb.)	479	501	523	566	610
	Minimum Hub Outside Diameter (in.)	2.8	2.8	2.8	2.8	2.8
10	Maximum Transmissible Torque (ft.-lb.)	599	626	653	707	762
	Minimum Hub Outside Diameter (in.)	-	3.0	3.0	3.0	3.0

Number of Locking bolts	Locking Sleeve Type	L6			
		1 7/8	1 15/16	2	2 3/16
6	Maximum Transmissible Torque (ft.-lb.)	816	844	871	953
	Minimum Hub Outside Diameter (in.)	3.2	3.2	3.2	3.2
8	Maximum Transmissible Torque (ft.-lb.)	1089	1125	1162	1270
	Minimum Hub Outside Diameter (in.)	3.5	64.9	64.9	64.9
10	Maximum Transmissible Torque (ft.-lb.)	1361	1407	1452	1588
	Minimum Hub Outside Diameter (in.)	3.8	3.8	3.8	3.8
12	Maximum Transmissible Torque (ft.-lb.)	1633	1688	1742	1905
	Minimum Hub Outside Diameter (in.)	4.2	4.2	4.2	4.2

Number of Locking bolts	Locking Sleeve Type	L7				
		2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
5	Maximum Transmissible Torque (ft.-lb.)	1504	1587	1629	1671	1838
	Minimum Hub Outside Diameter (in.)	4.1	4.1	4.1	4.1	4.1
6	Maximum Transmissible Torque (ft.-lb.)	1804	1904	1955	2005	2205
	Minimum Hub Outside Diameter (in.)	4.4	4.4	4.4	4.4	4.4
8	Maximum Transmissible Torque (ft.-lb.)	2406	2539	2607	2673	2941
	Minimum Hub Outside Diameter (in.)	4.9	4.9	4.9	4.9	4.9
10	Maximum Transmissible Torque (ft.-lb.)	3007	3174	3258	3341	3675
	Minimum Hub Outside Diameter (in.)	5.6	5.6	5.6	5.6	5.6

## ISO Trapezoidal Locking Type Pulley



TYPE	PITCH	DESCRIPTION	BELT WIDTH
L	3/8"	LIGHT DUTY	1/2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number									
			Bore Size (d)									
			7/16	1/2	5/8	3/4	7/8	15/16	1	1 1/8	1 1/4	1 3/8
14L050AF	14	1.671	L13S	L13S	L13S							
15L050AF	15	1.790	L13S	L13S	L13S							
16L050AF	16	1.910	L13S	L13S	L13S							
17L050AF	17	2.029	L13S	L13S	L13S	L23S						
18L050AF	18	2.149		L13S	L13S	L23S						
19L050AF	19	2.268		L13S	L13S	L23S	L33S	L33S	L33S			
20L050AF	20	2.387		L13S	L13S	L23S	L33S	L33S	L33S			
21L050AF	21	2.507		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
22L050AF	22	2.626		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
25L050AF	25	2.984		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
26L050AF	26	3.104		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
28L050AF	28	3.342		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
30L050AF	30	3.581		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
32L050AF	32	3.820		L13S	L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
36L050AF	36	4.297			L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
40L050AF	40	4.775			L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S
48L050AF	48	5.730			L13S	L23S	L33S	L33S	L33S	L44S	L44S	L44S



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# ISO Trapezoidal Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
L	3/8"	LIGHT DUTY	3/4"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number					
			Bore Size (d)					
			1/2	5/8	3/4	7/8	15/16	1
18L075AF	18	2.149	L13 S or F	L13 S or F	L23S			
20L075AF	20	2.387	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
22L075AF	22	2.626	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
24L075AF	24	2.865	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
26L075AF	26	3.104	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
28L075AF	28	3.342	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
30L075AF	30	3.581	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
32L075AF	32	3.820	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S
36L075AF	36	4.297		L13 S or F	L23S	L33S	L33S	L33S
40L075AF	40	4.775		L13 S or F	L23S	L33S	L33S	L33S
48L075AF	48	5.730		L13 S or F	L23S	L33S	L33S	L33S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
18L075AF	18	2.149							
20L075AF	20	2.387							
22L075AF	22	2.626	L44S	L44S	L44S				
24L075AF	24	2.865	L44S	L44S	L44S				
26L075AF	26	3.104	L44S	L44S	L44S	L55S	L55S	L55S	L55S
28L075AF	28	3.342	L44S	L44S	L44S	L55S	L55S	L55S	L55S
30L075AF	30	3.581	L44S	L44S	L44S	L55S	L55S	L55S	L55S
32L075AF	32	3.820	L44S	L44S	L44S	L55S	L55S	L55S	L55S
36L075AF	36	4.297	L44S	L44S	L44S	L55S	L55S	L55S	L55S
40L075AF	40	4.775	L44S	L44S	L44S	L55S	L55S	L55S	L55S
48L075AF	48	5.730	L44S	L44S	L44S	L55S	L55S	L55S	L55S



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# ISO Trapezoidal Locking Type Pulley



TYPE	PITCH	DESCRIPTION					BELT WIDTH
		L	3/8"	LIGHT DUTY			

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			7/16	1/2	5/8	3/4	7/8	15/16	1
14L100AF	14	1.671	L13 S or F	L13 S or F	L13 S or F				
16L100AF	16	1.910	L13 S or F	L13 S or F	L13 S or F	L23S			
17L100AF	17	2.029	L13 S or F	L13 S or F	L13 S or F	L23S			
18L100AF	18	2.149	L13 S or F	L13 S or F	L13 S or F	L23S			
19L100AF	19	2.268		L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
20L100AF	20	2.387		L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
21L100AF	21	2.507		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
22L100AF	22	2.626		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
24L100AF	24	2.865		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
26L100AF	26	3.104		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
28L100AF	28	3.342		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
30L100AF	30	3.581		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
32L100AF	32	3.820		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
36L100AF	36	4.297		L13 S or F	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
40L100AF	40	4.775			L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
44L100AF	44	5.252			L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F
48L100AF	48	5.730			L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
14L100AF	14	1.671							
16L100AF	16	1.910							
17L100AF	17	2.029							
18L100AF	18	2.149							
19L100AF	19	2.268							
20L100AF	20	2.387							
21L100AF	21	2.507	L44S	L44S	L44S				
22L100AF	22	2.626	L44S	L44S	L44S				
24L100AF	24	2.865	L44S	L44S	L44S				
26L100AF	26	3.104	L44S	L44S	L44S	L55S	L55S	L55S	L55S
28L100AF	28	3.342	L44S	L44S	L44S	L55S	L55S	L55S	L55S
30L100AF	30	3.581	L44S	L44S	L44S	L55S	L55S	L55S	L55S
32L100AF	32	3.820	L44S	L44S	L44S	L55S	L55S	L55S	L55S
36L100AF	36	4.297	L44S	L44S	L44S	L55S	L55S	L55S	L55S
40L100AF	40	4.775	L44S	L44S	L44S	L55S	L55S	L55S	L55S
44L100AF	44	5.252	L44S	L44S	L44S	L55S	L55S	L55S	L55S
48L100AF	48	5.730	L44S	L44S	L44S	L55S	L55S	L55S	L55S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16
14L100AF	14	1.671							
16L100AF	16	1.910							
17L100AF	17	2.029							
18L100AF	18	2.149							
19L100AF	19	2.268							
20L100AF	20	2.387							
21L100AF	21	2.507							
22L100AF	22	2.626							
24L100AF	24	2.865							
26L100AF	26	3.104							
28L100AF	28	3.342							
30L100AF	30	3.581	L66S	L66S	L66S	L66S			
32L100AF	32	3.820	L66S	L66S	L66S	L66S			
36L100AF	36	4.297	L66S	L66S	L66S	L66S	L75S	L75S	L75S
40L100AF	40	4.775	L66S	L66S	L66S	L66S	L75S	L75S	L75S
44L100AF	44	5.252	L66S	L66S	L66S	L66S	L75S	L75S	L75S
48L100AF	48	5.730	L66S	L66S	L66S	L66S	L75S	L75S	L75S

# ISO Trapezoidal Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	1"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			5/8	3/4	7/8	15/16	1	1 1/8	1 1/4
14H100AF	14	2.228	L13 S or F	L23S					
16H100AF	16	2.546	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44S	L44S
18H100AF	18	2.865	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
20H100AF	20	3.183	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
21H100AF	21	3.342	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
22H100AF	22	3.501	L13 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
24H100AF	24	4.138			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
26H100AF	26	4.456			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
28H100AF	28	4.775			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
30H100AF	30	5.093			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
32H100AF	32	6.366			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
36H100AF	36	7.639			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
40H100AF	40	9.549			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16
14H100AF	14	2.228							
16H100AF	16	2.546	L44S						
18H100AF	18	2.865	L44 S or F						
20H100AF	20	3.183	L44 S or F	L55S	L55S	L55S	L55S		
21H100AF	21	3.342	L44 S or F	L55S	L55S	L55S	L55S		
22H100AF	22	3.501	L44 S or F	L55S	L55S	L55S	L55S		
24H100AF	24	4.138	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
26H100AF	26	4.456	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
28H100AF	28	4.775	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
30H100AF	30	5.093	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
32H100AF	32	6.366	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
36H100AF	36	7.639	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S
40H100AF	40	9.549	L44 S or F	L55S	L55S	L55S	L55S	L66S	L66S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
14H100AF	14	2.228							
16H100AF	16	2.546							
18H100AF	18	2.865							
20H100AF	20	3.183							
21H100AF	21	3.342							
22H100AF	22	3.501							
24H100AF	24	4.138	L66S	L66S					
26H100AF	26	4.456	L66S	L66S					
28H100AF	28	4.775	L66S	L66S	L75S	L75S	L75S	L75S	L75S
30H100AF	30	5.093	L66S	L66S	L75S	L75S	L75S	L75S	L75S
32H100AF	32	6.366	L66S	L66S	L75S	L75S	L75S	L75S	L75S
36H100AF	36	7.639	L66S	L66S	L75S	L75S	L75S	L75S	L75S
40H100AF	40	9.549	L66S	L66S	L75S	L75S	L75S	L75S	L75S

# ISO Trapezoidal Locking Type Pulley



TYPE	PITCH	DESCRIPTION				BELT WIDTH	
		H	1/2"	HEAVY DUTY			1 1/2"

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			5/8	3/4	7/8	15/16	1	1 1/8	1 1/4
14H150AF	14	2.228	L13 S or F	L23S					
16H150AF	16	2.546	L14 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F		
18H150AF	18	2.865	L14 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44S	L44S
19H150AF	19	3.023	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
20H150AF	20	3.183	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
21H150AF	21	3.342	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
22H150AF	22	3.501	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
24H150AF	24	4.138			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
26H150AF	26	4.456			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
28H150AF	28	4.775			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
30H150AF	30	5.093			L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
32H150AF	32	6.366			L34 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F
36H150AF	36	7.639			L34 S or F	L34 S or F	L33 S or F	L44 S or F	L44 S or F
40H150AF	40	9.549			L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16
14H150AF	14	2.228							
16H150AF	16	2.546							
18H150AF	18	2.865	L44S						
19H150AF	19	3.023	L44 S or F	L55S	L55S	L55S	L55S		
20H150AF	20	3.183	L44 S or F	L55S	L55S	L55S	L55S		
21H150AF	21	3.342	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F		
22H150AF	22	3.501	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F		
24H150AF	24	4.138	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66S	L66S
26H150AF	26	4.456	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
28H150AF	28	4.775	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
30H150AF	30	5.093	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
32H150AF	32	6.366	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
36H150AF	36	7.639	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
40H150AF	40	9.549	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
14H150AF	14	2.228							
16H150AF	16	2.546							
18H150AF	18	2.865							
19H150AF	19	3.023							
20H150AF	20	3.183							
21H150AF	21	3.342							
22H150AF	22	3.501							
24H150AF	24	4.138	L66S	L66S					
26H150AF	26	4.456	L66 S or F	L66 S or F					
28H150AF	28	4.775	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
30H150AF	30	5.093	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
32H150AF	32	6.366	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
36H150AF	36	7.639	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
40H150AF	40	9.549	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S

# ISO Trapezoidal Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
H	1/2"	HEAVY DUTY	2"	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number							
			Bore Size (d)							
			5/8	3/4	7/8	15/16	1	1 1/8	1 1/4	
14H200AF	14	2.228	L16 S or F	L23S						
16H200AF	16	2.546	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44S	L44S	
18H200AF	18	2.865	L16 S or F	L23 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F	
20H200AF	20	3.183	L16 S or F	L24 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F	
22H200AF	22	3.501	L16 S or F	L24 S or F	L33 S or F	L33 S or F	L33 S or F	L44 S or F	L44 S or F	
24H200AF	24	4.138			L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	
26H200AF	26	4.456			L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	
28H200AF	28	4.775			L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	
30H200AF	30	5.093			L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	
32H200AF	32	6.366			L36 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	
36H200AF	36	7.639			L36 S or F	L36 S or F	L36 S or F	L44 S or F	L44 S or F	
40H200AF	40	9.549			L36 S or F	L36 S or F	L36 S or F	L46 S or F	L44 S or F	

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Sleeve Item Number						
			Bore Size (d)						
			1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16
14H200AF	14	2.228							
16H200AF	16	2.546	L44S						
18H200AF	18	2.865	L44 S or F						
20H200AF	20	3.183	L44 S or F	L55S	L55S	L55S	L55S		
22H200AF	22	3.501	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F		
24H200AF	24	4.138	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66S	L66S
26H200AF	26	4.456	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
28H200AF	28	4.775	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
30H200AF	30	5.093	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
32H200AF	32	6.366	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
36H200AF	36	7.639	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F
40H200AF	40	9.549	L44 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F	L66 S or F	L66 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number						
			Bore Size (d)						
			2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
14H200AF	14	2.228							
16H200AF	16	2.546							
18H200AF	18	2.865							
20H200AF	20	3.183							
22H200AF	22	3.501							
24H200AF	24	4.138	L66S	L66S					
26H200AF	26	4.456	L66 S or F	L66 S or F					
28H200AF	28	4.775	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
30H200AF	30	5.093	L66 S or F	L66 S or F	L75 S or F				
32H200AF	32	6.366	L66 S or F	L66 S or F	L75 S or F				
36H200AF	36	7.639	L66 S or F	L66 S or F	L75 S or F				
40H200AF	40	9.549	L66 S or F	L66 S or F	L75 S or F				

# ISO Trapezoidal Locking Type Pulley



TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		H	1/2"	HEAVY DUTY						3"

All dimensions in inches unless otherwise stated.

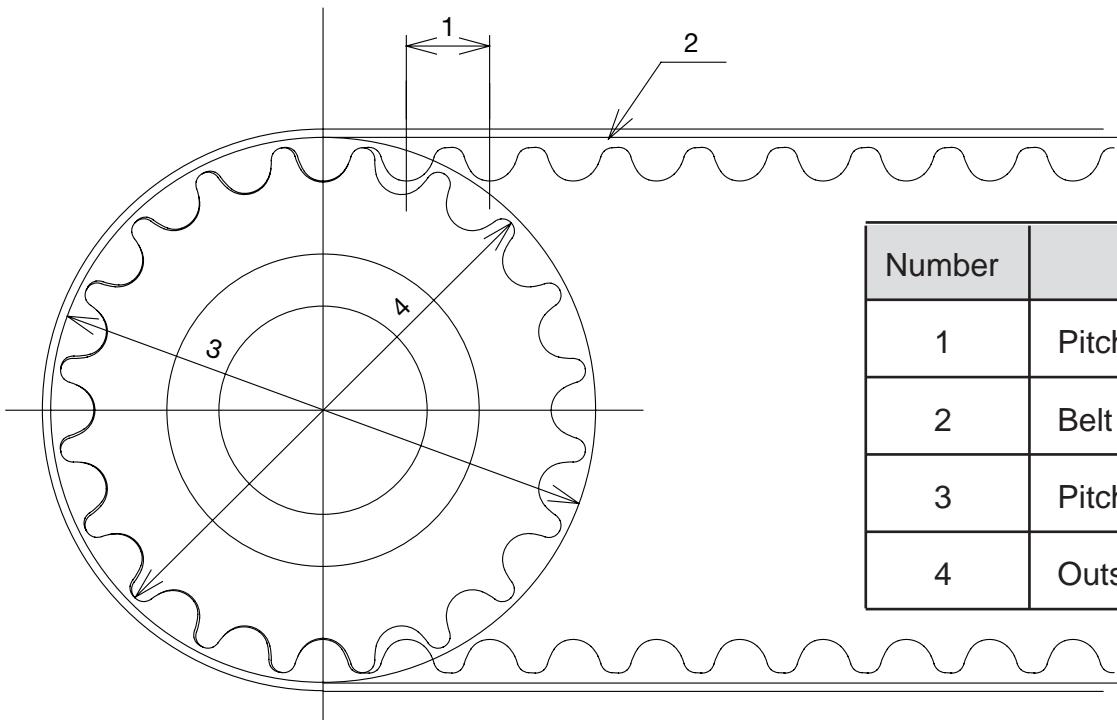
Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number									
			Bore Size (d)									
			7/8	15/16	1	1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
22H300AF	22	3.501	L36 S or F	L36 S or F	L36 S or F	L44 S or F	L44 S or F	L44 S or F	L55 S or F			
24H300AF	24	4.138	L36 S or F	L36 S or F	L36 S or F	L44 S or F	L44 S or F	L44 S or F	L55 S or F			
26H300AF	26	4.456	L36 S or F	L36 S or F	L36 S or F	L46 S or F	L44 S or F	L44 S or F	L55 S or F			
28H300AF	28	4.775	L36 S or F	L36 S or F	L36 S or F	L46 S or F	L46 S or F	L44 S or F	L55 S or F			
30H300AF	30	5.093		L36 S or F	L36 S or F	L46 S or F	L46 S or F	L44 S or F	L55 S or F			
32H300AF	32	6.366		L36 S or F	L36 S or F	L46 S or F	L46 S or F	L46 S or F	L55 S or F			
36H300AF	36	7.639		L48 S or F	L48 S or F	L46 S or F	L46 S or F	L46 S or F	L55 S or F			
40H300AF	40	9.549		L48 S or F	L48 S or F	L48 S or F	L46 S or F	L46 S or F	L55 S or F			

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number								
			Bore Size (d)								
			1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
22H300AF	22	3.501	L66S	L66S	L66S	L66S					
24H300AF	24	4.138	L66S	L66S	L66S	L66S					
26H300AF	26	4.456	L66 S or F	L66 S or F	L66 S or F	L66 S or F					
28H300AF	28	4.775	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
30H300AF	30	5.093	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
32H300AF	32	6.366	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
36H300AF	36	7.639	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
40H300AF	40	9.549	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

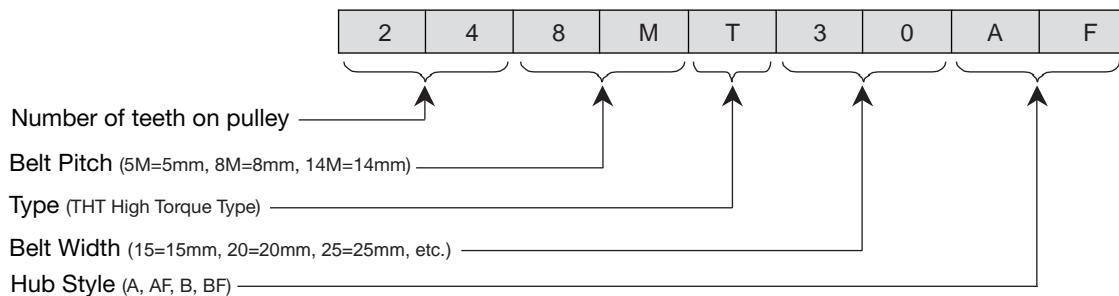
## THT High Torque Type Pulley and Belt Technical Information



Number	Name
1	Pitch
2	Belt pitch line
3	Pitch diameter (Dp)
4	Outside diameter (Do)



## How to Read Item Numbers:



# THT High Torque Type Pulley



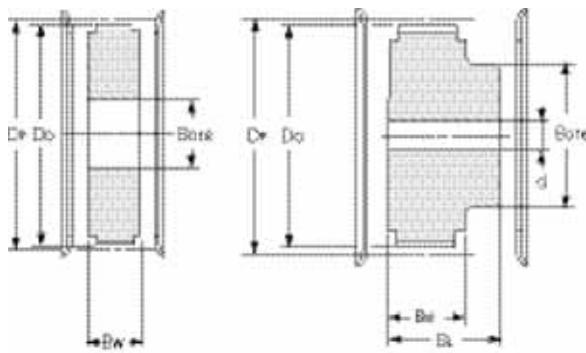
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	5MM	HIGH TORQUE	15MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Hub Diameter D <sub>h</sub>	Stock Bore	Tooth Width B <sub>w</sub>	LTB BL	Weight (lbs.)	Flange Item Number
125MT15BF	12	0.752	0.707	BF	7/16	1/4	0.813	1	0.08	SF10230125
145MT15BF	14	0.877	0.832	BF	9/16	1/4	0.813	1	0.12	SF10280168
155MT15BF	15	0.940	0.895	BF	5/8	1/4	0.813	1	0.15	SF10280168
165MT15BF	16	1.003	0.958	BF	5/8	1/4	0.813	1	0.17	SF10320200
185MT15BF	18	1.128	1.083	BF	25/32	1/4	0.813	1	0.22	SF10350230
205MT15BF	20	1.253	1.208	BF	25/32	1/4	0.813	1	0.27	SF10370250
215MT15BF	21	1.316	1.271	BF	15/16	1/4	0.813	1	0.31	SF10380265
225MT15BF	22	1.379	1.334	BF	1	1/4	0.813	1	0.35	SF10380265
245MT15BF	24	1.504	1.459	BF	1 1/16	1/4	0.813	1 3/16	0.46	SF10430310
265MT15AF	26	1.629	1.584	AF	-	1/4	0.813	-	0.44	SF10440325
285MT15AF	28	1.754	1.710	AF	-	1/4	0.813	-	0.51	SF10510370
305MT15AF	30	1.880	1.835	AF	-	1/4	0.813	-	0.59	SF10510400
325MT15AF	32	2.005	1.960	AF	-	5/16	0.813	-	0.67	SF10540430
365MT15AF	36	2.256	2.211	AF	-	5/16	0.813	-	0.86	SF10630480
405MT15AF	40	2.506	2.461	AF	-	5/16	0.813	-	1.1	SF10700530
445MT15AF	44	2.757	2.712	AF	-	5/16	0.813	-	1.3	SF10790640
485MT15AF	48	3.008	2.963	AF	-	5/16	0.813	-	1.6	SF10830640
605MT15AF	60	3.760	3.715	AF	-	5/16	0.813	-	2.5	SF101020825
725MT15AF	72	4.511	4.467	AF	-	5/16	0.813	-	3.6	SF101200995



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE BF

# THT High Torque Type Pulley

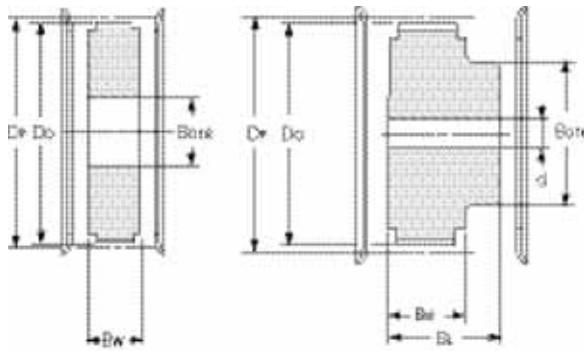
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	5MM	HIGH TORQUE	25MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Hub Diameter Dh	Stock Bore	Tooth Width Bw	LTB BL	Weight (lbs.)	Flange Item Number
125MT25BF	12	0.752	0.707	BF	7/16	1/4	1.219	1 13/32	0.12	SF10230125
145MT25BF	14	0.877	0.832	BF	9/16	1/4	1.219	1 13/32	0.18	SF10280168
155MT25BF	15	0.940	0.895	BF	5/8	1/4	1.219	1 13/32	0.21	SF10280168
165MT25BF	16	1.003	0.958	BF	5/8	1/4	1.219	1 13/32	0.24	SF10320200
185MT25BF	18	1.128	1.083	BF	25/32	1/4	1.219	1 13/32	0.32	SF10350230
205MT25BF	20	1.253	1.208	BF	25/32	1/4	1.219	1 13/32	0.40	SF10370250
215MT25BF	21	1.316	1.271	BF	15/16	1/4	1.219	1 1/2	0.47	SF10380265
225MT25BF	22	1.379	1.334	BF	1	1/4	1.219	1 1/2	0.52	SF10380265
245MT25BF	24	1.504	1.459	BF	1 1/16	1/4	1.219	1 1/2	0.62	SF10430310
265MT25AF	26	1.629	1.584	AF	-	1/4	1.219	-	0.66	SF10440325
285MT25AF	28	1.754	1.710	AF	-	1/4	1.219	-	0.77	SF10510370
305MT25AF	30	1.880	1.835	AF	-	1/4	1.219	-	0.89	SF10510400
325MT25AF	32	2.005	1.960	AF	-	5/16	1.219	-	1.0	SF10540430
365MT25AF	36	2.256	2.211	AF	-	5/16	1.219	-	1.3	SF10630480
405MT25AF	40	2.506	2.461	AF	-	5/16	1.219	-	1.6	SF10700530
445MT25AF	44	2.757	2.712	AF	-	5/16	1.219	-	2.0	SF10790640
485MT25AF	48	3.008	2.963	AF	-	5/16	1.219	-	2.3	SF10830640
605MT25AF	60	3.760	3.715	AF	-	5/16	1.219	-	3.7	SF101020825
725MT25AF	72	4.511	4.467	AF	-	5/16	1.219	-	5.3	SF101200995



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE BF

# THT High Torque Type Pulley



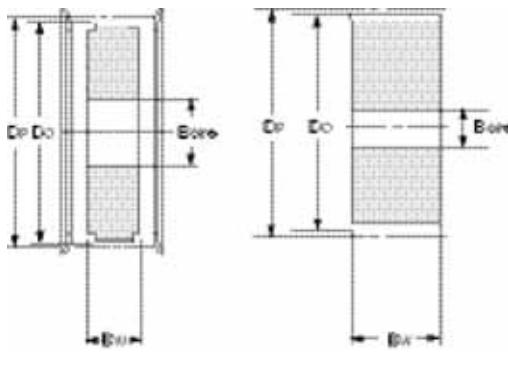
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	EXTRA LIGHT DUTY	20MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Stock Bore	Tooth Width Bw	Weight (lbs.)	Flange Item Number
248MT20AF	24	2.406	2.352	AF	1/2	1.125	1.3	SF16670520
268MT20AF	26	2.607	2.553	AF	1/2	1.125	1.6	SF16740580
288MT20AF	28	2.807	2.759	AF	5/8	1.125	1.8	SF16800600
308MT20AF	30	3.008	2.958	AF	5/8	1.125	2.1	SF16870670
328MT20AF	32	3.208	3.156	AF	5/8	1.125	2.4	SF16910730
348MT20AF	34	3.409	3.355	AF	5/8	1.125	2.7	SF16940760
368MT20AF	36	3.609	3.555	AF	5/8	1.125	3.0	SF161020825
388MT20AF	38	3.810	3.756	AF	5/8	1.125	3.4	SF161060857
408MT20AF	40	4.010	3.956	AF	5/8	1.125	3.8	SF161120910
448MT20AF	44	4.411	4.357	AF	5/8	1.125	4.6	SF161200995
488MT20AF	48	4.812	4.758	AF	5/8	1.125	5.5	SF1613101100
568MT20AF	56	5.614	5.560	AF	5/8	1.125	7.6	SF1615201300
648MT20AF	64	6.416	6.362	AF	5/8	1.125	10	SF1618001540
728MT20AF	72	7.218	7.164	AF	5/8	1.125	13	SF1619201730
808MT20A	80	8.020	7.966	A	5/8	1.125	16	-
908MT20A	90	9.023	8.969	A	5/8	1.125	20	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley

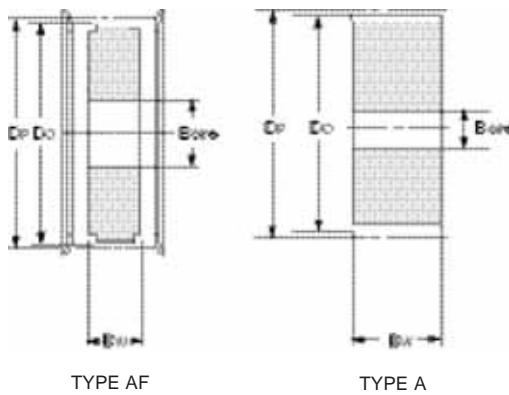
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	8MM	HIGH TORQUE	30MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Stock Bore	Tooth Width Bw	Weight (lbs.)	Flange Item Number
248MT30AF	24	2.406	2.352	AF	1/2	1.500	1.7	SF16670520
268MT30AF	26	2.607	2.553	AF	1/2	1.500	2.1	SF16740580
288MT30AF	28	2.807	2.759	AF	5/8	1.500	2.4	SF16800600
308MT30AF	30	3.008	2.958	AF	5/8	1.500	2.8	SF16870670
328MT30AF	32	3.208	3.156	AF	5/8	1.500	3.2	SF16910730
348MT30AF	34	3.409	3.355	AF	5/8	1.500	3.6	SF16940760
368MT30AF	36	3.609	3.555	AF	5/8	1.500	4.1	SF161020825
388MT30AF	38	3.810	3.756	AF	5/8	1.500	4.5	SF161060857
408MT30AF	40	4.010	3.956	AF	5/8	1.500	5.1	SF161120910
448MT30AF	44	4.411	4.357	AF	5/8	1.500	6.2	SF161200995
488MT30AF	48	4.812	4.758	AF	5/8	1.500	7.4	SF1613101100
568MT30AF	56	5.614	5.560	AF	5/8	1.500	10	SF1615201300
648MT30AF	64	6.416	6.362	AF	5/8	1.500	13	SF1618001540
728MT30AF	72	7.218	7.164	AF	5/8	1.500	17	SF1619201730
808MT30A	80	8.020	7.966	A	5/8	1.500	21	-
908MT30A	90	9.023	8.969	A	5/8	1.500	27	-
1128MT30A	112	11.229	11.175	A	5/8	1.500	41	-
1448MT30A	144	14.437	14.383	A	3/4	1.500	68	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley



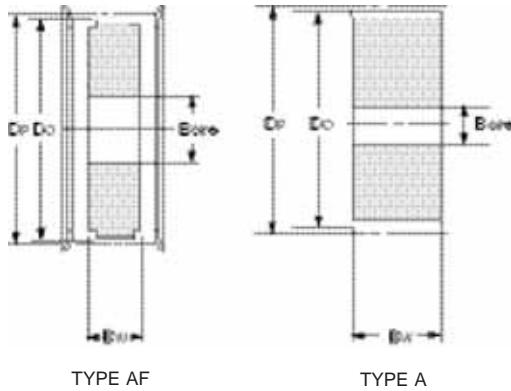
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	50MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Stock Bore	Tooth Width Bw	Weight (lbs.)	Flange Item Number
268MT50AF	26	2.607	2.553	AF	1/2	2.375	3.3	SF16740580
288MT50AF	28	2.807	2.759	AF	5/8	2.375	3.8	SF16800600
308MT50AF	30	3.008	2.958	AF	5/8	2.375	4.4	SF16870670
328MT50AF	32	3.208	3.156	AF	5/8	2.375	5.0	SF16910730
348MT50AF	34	3.409	3.355	AF	5/8	2.375	5.7	SF16940760
368MT50AF	36	3.609	3.555	AF	5/8	2.375	6.4	SF161020825
388MT50AF	38	3.810	3.756	AF	5/8	2.375	7.2	SF161060857
408MT50AF	40	4.010	3.956	AF	3/4	2.375	7.9	SF161120910
448MT50AF	44	4.411	4.357	AF	3/4	2.375	9.7	SF161200995
488MT50AF	48	4.812	4.758	AF	3/4	2.375	12	SF1613101100
568MT50AF	56	5.614	5.560	AF	3/4	2.375	16	SF1615201300
648MT50AF	64	6.416	6.362	AF	3/4	2.375	21	SF1618001540
728MT50AF	72	7.218	7.164	AF	3/4	2.375	27	SF1619201730
808MT50A	80	8.020	7.966	A	3/4	2.375	33	-
908MT50A	90	9.023	8.969	A	3/4	2.375	42	-
1128MT50A	112	11.229	11.175	A	3/4	2.375	65	-
1448MT50A	144	14.437	14.383	A	3/4	2.375	108	-
1928MT50A	192	19.249	19.195	A	3/4	2.375	193	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley

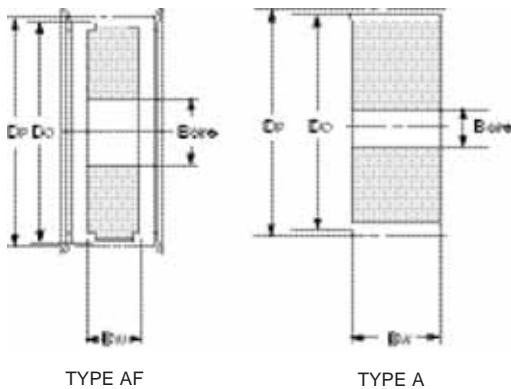
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	8MM	HIGH TORQUE	85MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Stock Bore	Tooth Width B <sub>w</sub>	Weight (lbs.)	Flange Item Number
348MT85AF	34	3.409	3.355	AF	5/8	3.750	9	SF16940760
368MT85AF	36	3.609	3.555	AF	5/8	3.750	10	SF161020825
388MT85AF	38	3.810	3.756	AF	5/8	3.750	11	SF161060857
408MT85AF	40	4.010	3.956	AF	3/4	3.750	12	SF161120910
448MT85AF	44	4.411	4.357	AF	3/4	3.750	15	SF161200995
488MT85AF	48	4.812	4.758	AF	3/4	3.750	18	SF1613101100
568MT85AF	56	5.614	5.560	AF	3/4	3.750	25	SF1615201300
648MT85AF	64	6.416	6.362	AF	3/4	3.750	33	SF1618001540
728MT85AF	72	7.218	7.164	AF	3/4	3.750	42	SF1619201730
808MT85A	80	8.020	7.966	A	3/4	3.750	52	-
908MT85A	90	9.023	8.969	A	3/4	3.750	66	-
1128MT85A	112	11.229	11.175	A	1	3.750	103	-
1448MT85A	144	14.437	14.383	A	1	3.750	170	-
1928MT85A	192	19.249	19.195	A	1	3.750	304	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley



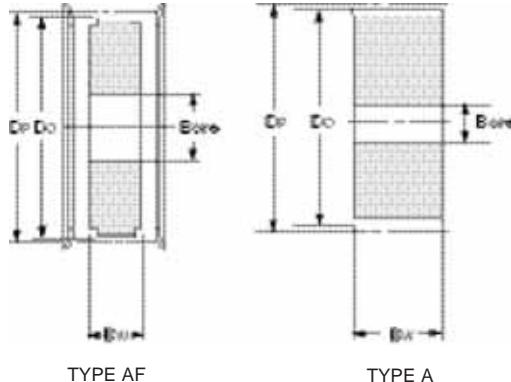
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	40MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Stock Bore	Tooth Width B <sub>w</sub>	Weight (lbs.)	Flange Item Number
2814MT40AF	28	4.912	4.808	AF	1	2.125	10	SF3015001070
2914MT40AF	29	5.088	4.983	AF	1	2.125	11	SF3015001070
3014MT40AF	30	5.263	5.157	AF	1	2.125	12	SF3015001070
3214MT40AF	32	5.614	5.507	AF	1	2.125	14	SF3016801200
3414MT40AF	34	5.965	5.858	AF	1	2.125	16	SF3016801200
3614MT40AF	36	6.316	6.208	AF	1	2.125	18	SF3017501385
3814MT40AF	38	6.667	6.559	AF	1	2.125	20	SF3019201480
4014MT40AF	40	7.018	6.909	AF	1	2.125	22	SF3020001570
4414MT40AF	44	7.720	7.610	AF	1	2.125	27	SF3021101750
4814MT40AF	48	8.421	8.311	AF	1	2.125	32	SF3024001900
5014MT40AF	50	8.772	8.662	AF	1	2.125	35	SF3024002080
5614MT40AF	56	9.825	9.715	AF	1	2.125	44	SF3026502300
6014MT40AF	60	10.527	10.417	AF	1	2.125	50	SF3028602420
6414MT40AF	64	11.229	11.119	AF	1	2.125	58	SF3029602520
6814MT40A	68	11.930	11.820	A	1 1/8	2.125	65	-
7214MT40A	72	12.632	12.522	A	1 1/8	2.125	73	-
8014MT40A	80	14.036	13.926	A	1 1/8	2.125	90	-
9014MT40A	90	15.790	15.680	A	1 1/8	2.125	115	-
11214MT40A	112	19.650	19.540	A	1 1/8	2.125	179	-
14414MT40A	144	25.264	25.154	A	1 1/8	2.125	296	-
16814MT40A	168	29.475	29.365	A	1 1/8	2.125	404	-
19214MT40A	192	33.686	33.576	A	1 1/8	2.125	528	-
21614MT40A	216	37.896	37.786	A	1 1/8	2.125	669	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley

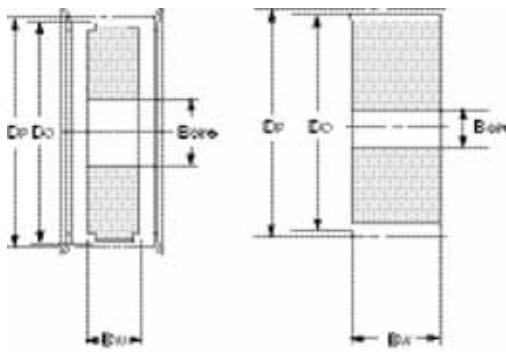
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	14MM	HIGH TORQUE	55MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Stock Bore	Tooth Width B <sub>w</sub>	Weight (lbs.)	Flange Item Number
2814MT55AF	28	4.912	4.808	AF	1	2.750	13	SF3015001070
2914MT55AF	29	5.088	4.983	AF	1	2.750	14	SF3015001070
3014MT55AF	30	5.263	5.157	AF	1	2.750	16	SF3015001070
3214MT55AF	32	5.614	5.507	AF	1	2.750	18	SF3016801200
3414MT55AF	34	5.965	5.858	AF	1	2.750	20	SF3016801200
3614MT55AF	36	6.316	6.208	AF	1	2.750	23	SF3017501385
3814MT55AF	38	6.667	6.559	AF	1	2.750	26	SF3019201480
4014MT55AF	40	7.018	6.909	AF	1	2.750	28	SF3020001570
4414MT55AF	44	7.720	7.610	AF	1	2.750	35	SF3021101750
4814MT55AF	48	8.421	8.311	AF	1	2.750	41	SF3024001900
5014MT55AF	50	8.772	8.662	AF	1	2.750	45	SF3024002080
5614MT55AF	56	9.825	9.715	AF	1	2.750	57	SF3026502300
6014MT55AF	60	10.527	10.417	AF	1	2.750	65	SF3028602420
6414MT55AF	64	11.229	11.119	AF	1	2.750	74	SF3029602520
6814MT55A	68	11.930	11.820	A	1 1/8	2.750	84	-
7214MT55A	72	12.632	12.522	A	1 1/8	2.750	94	-
8014MT55A	80	14.036	13.926	A	1 1/8	2.750	117	-
9014MT55A	90	15.790	15.680	A	1 1/8	2.750	148	-
11214MT55A	112	19.650	19.540	A	1 1/8	2.750	231	-
14414MT55A	144	25.264	25.154	A	1 1/8	2.750	383	-
16814MT55A	168	29.475	29.365	A	1 1/8	2.750	523	-
19214MT55A	192	33.686	33.576	A	1 1/8	2.750	684	-
21614MT55A	216	37.896	37.786	A	1 1/8	2.750	866	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley



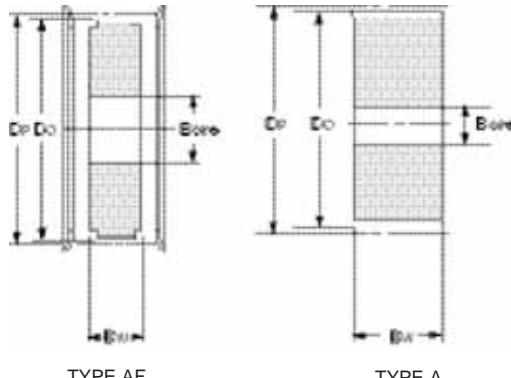
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	85MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Stock Bore	Tooth Width Bw	Weight (lbs.)	Flange Item Number
2814MT85AF	28	4.912	4.808	AF	1	4.000	20	SF3015001070
2914MT85AF	29	5.088	4.983	AF	1	4.000	21	SF3015001070
3014MT85AF	30	5.263	5.157	AF	1	4.000	23	SF3015001070
3214MT85AF	32	5.614	5.507	AF	1	4.000	26	SF3016801200
3414MT85AF	34	5.965	5.858	AF	1	4.000	29	SF3016801200
3614MT85AF	36	6.316	6.208	AF	1 1/4	4.000	33	SF3017501385
3814MT85AF	38	6.667	6.559	AF	1 1/4	4.000	37	SF3019201480
4014MT85AF	40	7.018	6.909	AF	1 1/4	4.000	41	SF3020001570
4414MT85AF	44	7.720	7.610	AF	1 1/4	4.000	50	SF3021101750
4814MT85AF	48	8.421	8.311	AF	1 1/4	4.000	60	SF3024001900
5014MT85AF	50	8.772	8.662	AF	1 1/4	4.000	65	SF3024002080
5614MT85AF	56	9.825	9.715	AF	1 1/4	4.000	82	SF3026502300
6014MT85AF	60	10.527	10.417	AF	1 1/4	4.000	94	SF3028602420
6414MT85AF	64	11.229	11.119	AF	1 1/4	4.000	108	SF3029602520
6814MT85A	68	11.930	11.820	A	1 1/4	4.000	122	-
7214MT85A	72	12.632	12.522	A	1 1/4	4.000	137	-
8014MT85A	80	14.036	13.926	A	1 1/4	4.000	170	-
9014MT85A	90	15.790	15.680	A	1 1/4	4.000	216	-
11214MT85A	112	19.650	19.540	A	1 1/4	4.000	336	-
14414MT85A	144	25.264	25.154	A	1 1/4	4.000	557	-
16814MT85A	168	29.475	29.365	A	1 1/4	4.000	760	-
19214MT85A	192	33.686	33.576	A	1 1/4	4.000	994	-
21614MT85A	216	37.896	37.786	A	1 1/4	4.000	1259	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley

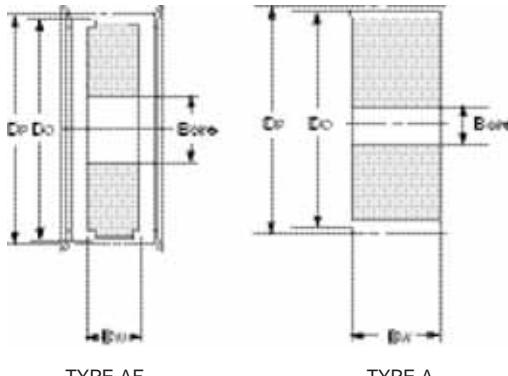
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	14MM	HIGH TORQUE	115MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Stock Bore	Tooth Width Bw	Weight (lbs.)	Flange Item Number
2814MT115AF	28	4.912	4.808	AF	1 1/4	5.250	25	SF3015001070
2914MT115AF	29	5.088	4.983	AF	1 1/4	5.250	27	SF3015001070
3014MT115AF	30	5.263	5.157	AF	1 1/4	5.250	29	SF3015001070
3214MT115AF	32	5.614	5.507	AF	1 1/4	5.250	33	SF3016801200
3414MT115AF	34	5.965	5.858	AF	1 1/4	5.250	38	SF3016801200
3614MT115AF	36	6.316	6.208	AF	1 1/4	5.250	43	SF3017501385
3814MT115AF	38	6.667	6.559	AF	1 1/4	5.250	48	SF3019201480
4014MT115AF	40	7.018	6.909	AF	1 1/4	5.250	54	SF3020001570
4414MT115AF	44	7.720	7.610	AF	1 1/4	5.250	65	SF3021101750
4814MT115AF	48	8.421	8.311	AF	1 1/4	5.250	78	SF3024001900
5014MT115AF	50	8.772	8.662	AF	1 1/4	5.250	85	SF3024002080
5614MT115AF	56	9.825	9.715	AF	1 1/4	5.250	108	SF3026502300
6014MT115AF	60	10.527	10.417	AF	1 1/4	5.250	124	SF3028602420
6414MT115AF	64	11.229	11.119	AF	1 1/4	5.250	141	SF3029602520
6814MT115A	68	11.930	11.820	A	1 1/4	5.250	160	-
7214MT115A	72	12.632	12.522	A	1 1/4	5.250	180	-
8014MT115A	80	14.036	13.926	A	1 1/4	5.250	223	-
9014MT115A	90	15.790	15.680	A	1 1/4	5.250	283	-
11214MT115A	112	19.650	19.540	A	1 1/4	5.250	441	-
14414MT115A	144	25.264	25.154	A	1 1/4	5.250	731	-
16814MT115A	168	29.475	29.365	A	1 1/4	5.250	998	-
19214MT115A	192	33.686	33.576	A	1 1/4	5.250	1305	-
21614MT115A	216	37.896	37.786	A	1 1/4	5.250	1653	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



TYPE AF

TYPE A

# THT High Torque Type Pulley

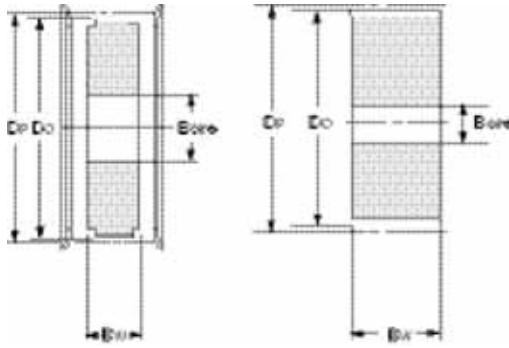
TSUBAKI Innovation in Motion	TYPE	PITCH	DESCRIPTION	BELT WIDTH
	THT	14MM	HIGH TORQUE	170MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Stock Bore	Tooth Width B <sub>w</sub>	Weight (lbs.)	Flange Item Number
3814MT170AF	38	6.667	6.559	AF	1 1/4	7.375	67	SF3019201480
4014MT170AF	40	7.018	6.909	AF	1 1/4	7.375	75	SF3020001570
4414MT170AF	44	7.720	7.610	AF	1 1/4	7.375	92	SF3021101750
4814MT170AF	48	8.421	8.311	AF	1 1/4	7.375	110	SF3024001900
5014MT170AF	50	8.772	8.662	AF	1 1/4	7.375	120	SF3024002080
5614MT170AF	56	9.825	9.715	AF	1 1/4	7.375	151	SF3026502300
6014MT170AF	60	10.527	10.417	AF	1 1/4	7.375	174	SF3028602420
6414MT170AF	64	11.229	11.119	AF	1 1/4	7.375	199	SF3029602520
6814MT170A	68	11.930	11.820	A	1 1/4	7.375	225	-
7214MT170A	72	12.632	12.522	A	1 1/4	7.375	253	-
8014MT170A	80	14.036	13.926	A	1 1/4	7.375	313	-
9014MT170A	90	15.790	15.680	A	1 1/2	7.375	397	-
11214MT170A	112	19.650	19.540	A	1 1/2	7.375	618	-
14414MT170A	144	25.264	25.154	A	1 1/2	7.375	1026	-
16814MT170A	168	29.475	29.365	A	1 1/2	7.375	1400	-
19214MT170A	192	33.686	33.576	A	1 1/2	7.375	1832	-
21614MT170A	216	37.896	37.786	A	1 1/2	7.375	2321	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

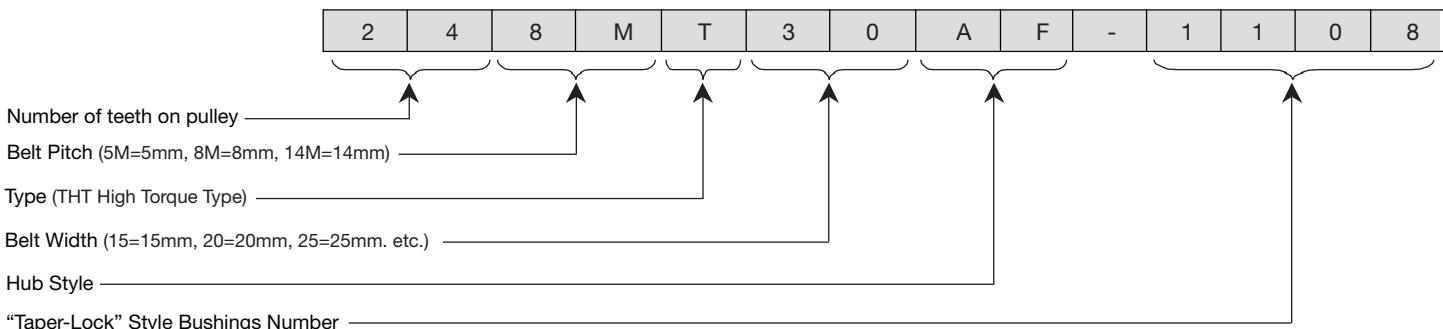


TYPE AF

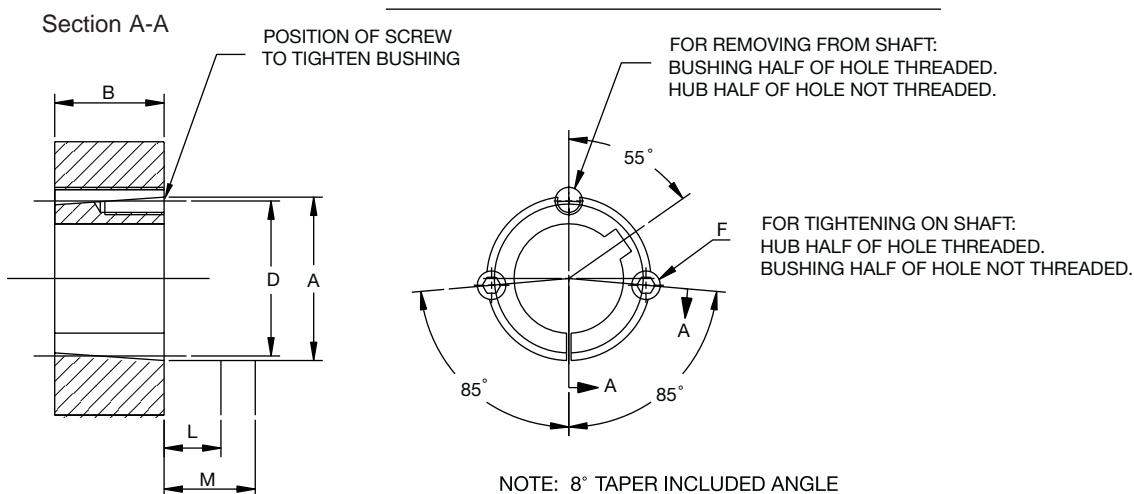
TYPE A

Tsubaki THT High Torque Type Pulleys can be supplied with "Taper-Lock" style bushings. Refer to the diagram and chart below for more information on sizes and specifications.

## How to Read Item Numbers:



### TAPER-LOCK BUSHINGS 1008 THROUGH 3030



All dimensions in inches unless otherwise stated.

Bushing Number	* Bore Range	A	B	D	F (2 Required)	♦ L		+ M		Weight (lbs.)
						Std. Hex Key	Short ♦ Key	Std. Hex Key	Short ♦ Key	
1008	1/2 - 1	1 5/64	7/8	1 1/64	1/4 - 2 1/2	1 1/8	5/8	1 1/4	3/4	0.20
1108	1/2 - 1 1/8	1 1/2	7/8	1 29/64	1/4 - 2 1/2	1 1/8	5/8	1 1/4	3/4	0.25
1210	1/2 - 1 1/4	1 7/8	1	1 3/4	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.55
1215	1/2 - 1 1/4	1 7/8	1 1/2	1 3/4	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.70
1310	1/2 - 1 3/8	2	1	1 7/8	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.65
1610	1/2 - 1 5/8	2 1/4	1	2 1/8	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	0.70
1615	1/2 - 1 5/8	2 1/4	1 1/2	2 1/8	3/8 - 2 5/8	1 3/8	19/16	1 5/8	1 1/16	1.00
2012	1/2 - 2	2 3/4	1 1/4	2 5/8	7/16 - 2 7/8	19/16	15/16	2	1 1/8	1.40
2517	1/2 - 2 1/2	3 3/8	1 3/4	3 1/4	1/2 - 1	1 5/8	1	2 1/4	1 5/8	3.20
2525	3/4 - 2 1/2	3 3/8	2 1/2	3 1/4	1/2 - 1	1 5/8	1	2 1/4	1 5/8	4.30
3020	15/16 - 3	4 1/4	2	4	5/8 - 1 1/4	11 3/16	13/16	2 11/16	2 1/16	5.80
3030	15/16 - 3	4 1/4	3	4	5/8 - 1 1/4	11 3/16	13/16	2 11/16	2 1/16	8.00

All bushings can be supplied in steel, stainless steel and other materials. Consult Tsubaki for more details.

#### NOTES:

- \* All bore ranges available in 1/16th inch increments
- \* Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.
- + Space required to remove bushing using jackscrews - no puller required.
- ♦ Standard hex key cut to minimum usable length.



"Taper-Lock" style bushings numbers 3535-5050 are available on a make-to-order basis.

# THT High Torque Type Pulley with "Taper-Lock" Style Bushings



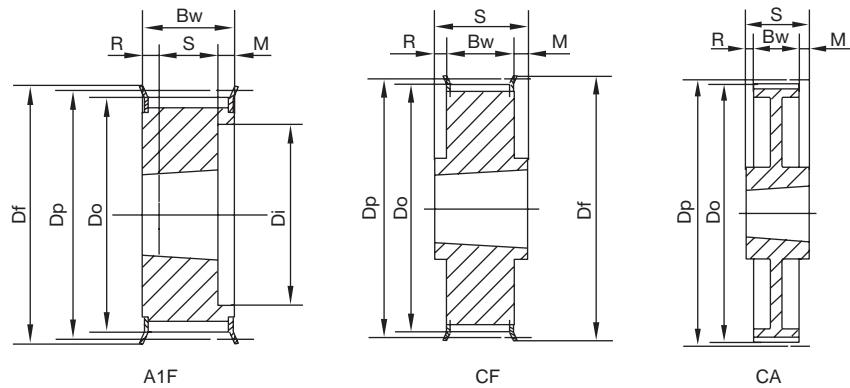
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	20MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
248MT20AF-1108	24	1108	2.406	2.352	A1F	1.125	2.638	1 25/32	7/8	1/16	3/16
268MT20AF-1108	26	1108	2.607	2.553	A1F	1.125	2.913	1 31/32	7/8	1/16	3/16
288MT20AF-1108	28	1108	2.807	2.759	A1F	1.125	3.150	2	7/8	1/16	3/16
308MT20AF-1210	30	1210	3.008	2.958	A1F	1.125	3.425	-	1	1/8	0
328MT20AF-1210	32	1210	3.208	3.154	A1F	1.125	3.583	-	1	1/8	0
348MT20AF-1610	34	1610	3.409	3.355	A1F	1.125	3.701	-	1	1/8	0
368MT20AF-1610	36	1610	3.609	3.555	A1F	1.125	4.016	-	1	1/8	0
388MT20AF-1610	38	1610	3.810	3.756	A1F	1.125	4.173	-	1	1/8	0
408MT20AF-1610	40	1610	4.010	3.956	A1F	1.125	4.409	-	1	1/8	0
448MT20CF-2012	44	2012	4.411	4.357	CF	1.125	4.724	-	1 1/4	0	1/8
488MT20CF-2012	48	2012	4.812	4.758	CF	1.125	5.157	-	1 1/4	0	1/8
568MT20CF-2012	56	2012	5.614	5.560	CF	1.125	5.984	-	1 1/4	0	1/8
648MT20CF-2012	64	2012	6.416	6.362	CF	1.125	7.087	-	1 1/4	0	1/8
728MT20CF-2012	72	2012	7.218	7.164	CF	1.125	7.559	-	1 1/4	0	1/8
808MT20C-2517	80	2517	8.020	7.966	CA	1.125	-	-	1 3/4	0	5/8
908MT20C-2517	90	2517	9.023	8.969	CA	1.125	-	-	1 3/4	0	5/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings

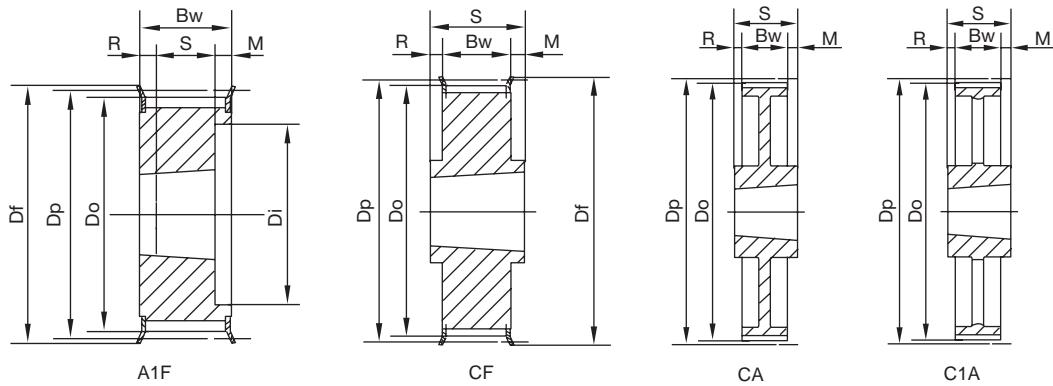
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	8MM	HIGH TORQUE	30MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
248MT30AF-1108	24	1108	2.406	2.352	A1F	1.500	2.638	1 25/32	7/8	1/8	1/2
268MT30AF-1108	26	1108	2.607	2.553	A1F	1.500	2.913	1 31/32	7/8	1/8	1/2
288MT30AF-1108	28	1108	2.807	2.759	A1F	1.500	3.150	2	7/8	1/8	1/2
308MT30AF-1210	30	1210	3.008	2.958	A1F	1.500	3.425	2 11/32	1	1/8	3/8
328MT30AF-1210	32	1210	3.208	3.154	A1F	1.500	3.583	2 9/16	1	1/8	3/8
348MT30AF-1610	34	1610	3.409	3.355	A1F	1.500	3.701	2 3/4	1	1/8	3/8
368MT30AF-1610	36	1610	3.609	3.555	A1F	1.500	4.016	2 13/16	1	1/8	3/8
388MT30AF-1610	38	1610	3.810	3.756	A1F	1.500	4.173	3	1	1/8	3/8
408MT30AF-1610	40	1610	4.010	3.956	A1F	1.500	4.409	3 1/4	1 1/4	0	1/4
448MT30AF-2012	44	2012	4.411	4.357	A1F	1.500	4.724	3 1/2	1 1/4	0	1/4
488MT30AF-2012	48	2012	4.812	4.758	A1F	1.500	5.157	3 13/16	1 1/4	0	1/4
568MT30AF-2012	56	2012	5.614	5.56	A1F	1.500	5.984	4 9/16	1 1/4	0	1/4
648MT30CF-2517	64	2517	6.416	6.362	CF	1.500	7.087	-	1 3/4	0	1/4
728MT30CF-2517	72	2517	7.218	7.164	CF	1.500	7.559	-	1 3/4	0	1/4
808MT30C-2517	80	2517	8.020	7.966	CA	1.500	-	-	1 3/4	0	1/4
908MT30C-2517	90	2517	9.023	8.969	CA	1.500	-	-	1 3/4	0	1/4
1128MT30C-2517	112	2517	11.229	11.175	C1A	1.500	-	-	1 3/4	1/8	1/8
144MT30C-2517	144	2517	14.437	14.383	C1A	1.500	-	-	1 3/4	1/8	1/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings

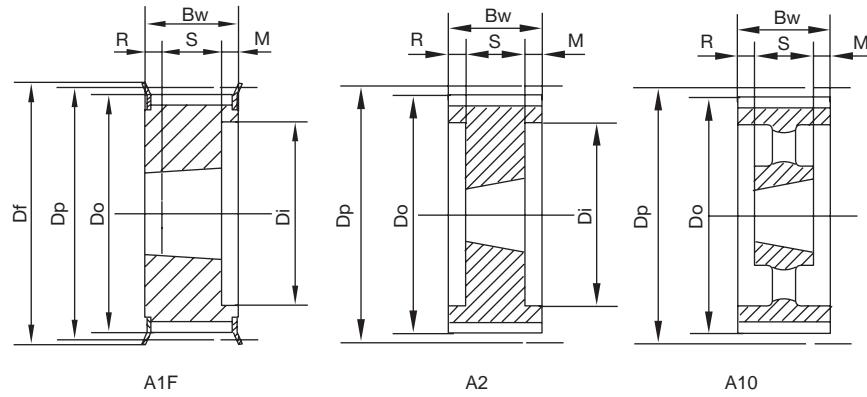
Innovation in Motion <b>TSUBAKI</b>	TYPE	PITCH	DESCRIPTION				BELT WIDTH		
	THT	8MM	HIGH TORQUE				50MM		

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
268MT50AF-1108	26	1108	2.607	2.553	A1F	2.375	2.913	1 5/16	7/8	0	1 1/2
288MT50AF-1108	28	1108	2.807	2.759	A1F	2.375	3.150	2	7/8	0	1 1/2
308MT50AF-1210	30	1210	3.008	2.958	A1F	2.375	3.425	2 11/32	1	0	1 3/8
328MT50AF-1210	32	1210	3.208	3.154	A1F	2.375	3.583	2 9/16	1	0	1 3/8
348MT50AF-1610	34	1610	3.409	3.355	A1F	2.375	3.701	2 3/4	1	0	1 3/8
368MT50AF-1610	36	1610	3.609	3.555	A1F	2.375	4.016	2 13/16	1	0	1 3/8
388MT50AF-1610	38	1610	3.810	3.756	A1F	2.375	4.173	3	1	0	1 3/8
408MT50AF-1610	40	1610	4.010	3.956	A1F	2.375	4.409	3 1/4	1 1/4	0	1 1/8
448MT50AF-2012	44	2012	4.411	4.357	A1F	2.375	4.724	3 1/2	1 1/4	0	1 1/8
488MT50AF-2012	48	2012	4.812	4.758	A1F	2.375	5.157	3 13/16	1 1/4	0	1 1/8
568MT50AF-2517	56	2517	5.614	5.560	A1F	2.375	5.984	4 9/16	1 3/4	0	5/8
648MT50AF-2517	64	2517	6.416	6.362	A1F	2.375	7.087	5 7/16	1 3/4	0	5/8
728MT50AF-2517	72	2517	7.218	7.164	A1F	2.375	7.559	6 3/16	1 3/4	0	5/8
808MT50AF-2517	80	2517	8.020	7.966	A1F	2.375	-	6 15/16	1 3/4	0	5/8
908MT50A-3020	90	3020	9.023	8.969	A2	2.375	-	7 5/8	2	0	3/8
1128MT50A-3020	112	3020	11.229	11.175	A10	2.375	-	-	2	0	3/8
1448MT50A-3020	144	3020	14.437	14.383	A10	2.375	-	-	2	0	3/8
1928MT50A-3020	192	3020	19.249	19.195	A10	2.375	-	-	2	0	3/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings

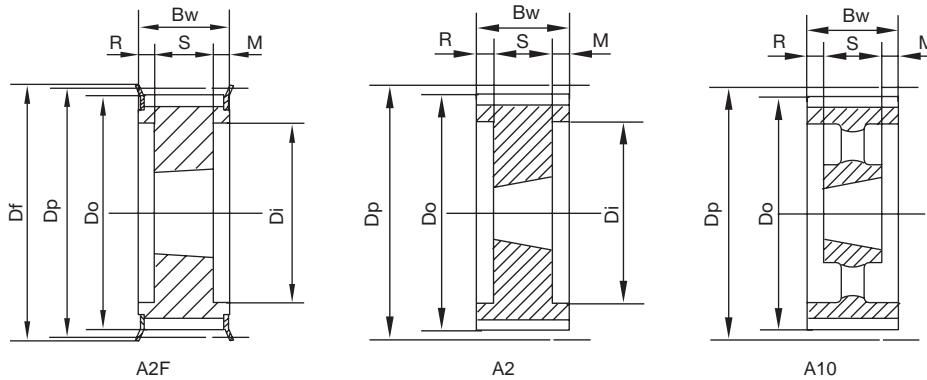
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	8MM	HIGH TORQUE				85MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
348MT85AF-1615	34	1615	3.409	3.355	A2F	3.750	3.701	2 3/4	1 1/2	3/4	1 1/2
368MT85AF-1615	36	1615	3.609	3.555	A2F	3.750	4.016	2 13/16	1 1/2	3/4	1 1/2
388MT85AF-1615	38	1615	3.810	3.756	A2F	3.750	4.173	3	1 1/2	3/4	1 1/2
408MT85AF-2012	40	2012	4.010	3.956	A2F	3.750	4.409	3 1/4	1 1/4	1 1/4	1 1/4
448MT85AF-2012	44	2012	4.411	4.357	A2F	3.750	4.724	3 1/2	1 1/4	1 1/4	1 1/4
488MT85AF-2012	48	2012	4.812	4.758	A2F	3.750	5.157	3 13/16	1 1/4	1 1/4	1 1/4
568MT85AF-2517	56	2517	5.614	5.560	A2F	3.750	5.984	4 1/2	1 3/4	1	1
648MT85AF-2517	64	2517	6.416	6.362	A2F	3.750	7.087	5 7/16	1 3/4	1	1
728MT85AF-3020	72	3020	7.218	7.164	A2F	3.750	7.559	6 3/16	2	7/8	7/8
808MT85A-3020	80	3020	8.020	7.966	A2	3.750	-	-	2	7/8	7/8
908MT85A-3020	90	3020	9.023	8.969	A2	3.750	-	-	2	7/8	7/8
1128MT85A-3020	112	3020	11.229	11.175	A10	3.750	-	-	2	7/8	7/8
1448MT85A-3535	144	3535	14.437	14.383	A10	3.750	-	-	3 1/2	1/8	1/8
1928MT85A-3535	192	3535	19.249	19.195	A10	3.750	-	-	3 1/2	1/8	1/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings



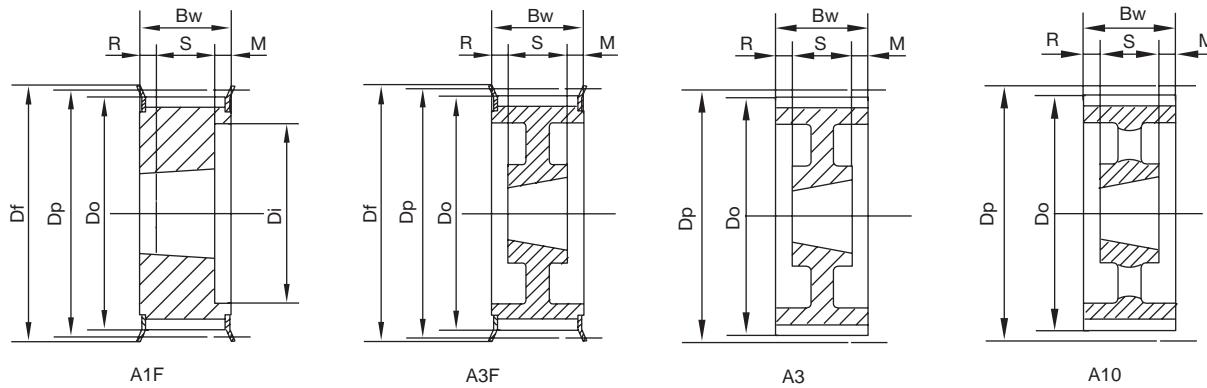
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	40MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
2814MT40AF-2012	28	2012	4.912	4.808	A1F	2.125	5.906	3 3/8	1 1/4	0	7/8
2914MT40AF-2012	29	2012	5.088	4.984	A1F	2.125	5.906	3 3/8	1 1/4	0	7/8
3014MT40AF-2012	30	2012	5.263	5.157	A1F	2.125	5.906	4	1 1/4	0	7/8
3214MT40AF-2012	32	2012	5.614	7.000	A1F	2.125	6.614	3 15/16	1 1/4	0	7/8
3414MT40AF-2012	34	2012	5.965	5.858	A1F	2.125	6.614	4 1/16	1 1/4	0	7/8
3614MT40AF-2517	36	2517	6.316	6.208	A1F	2.125	6.890	4 11/16	1 3/4	0	3/8
3814MT40AF-2517	38	2517	6.667	6.559	A1F	2.125	7.559	4 13/16	1 3/4	0	0
4014MT40AF-2517	40	2517	7.018	6.908	A1F	2.125	7.874	5 3/16	1 3/4	0	0
4414MT40AF-2517	44	2517	7.720	7.610	A1F	2.125	8.307	6 1/8	1 3/4	0	3/8
4814MT40AF-2517	48	2517	8.421	8.311	A1F	2.125	9.449	6 1/2	1 3/4	0	3/8
5214MT40AF-2517	52	2517	9.123	9.013	A1F	2.125	10.079	7 1/5	1 3/4	0	3/8
5614MT40AF-2517	56	2517	9.825	9.715	A3F	2.125	10.433	-	1 3/4	0	3/8
6014MT40AF-3020	60	3020	10.527	10.417	A3F	2.125	11.260	-	2	0	1/8
6414MT40AF-3020	64	3020	11.229	11.119	A3F	2.125	11.654	-	2	0	1/8
6814MT40A-3020	68	3020	11.930	11.820	A3	2.125	-	-	2	0	1/8
7214MT40A-3020	72	3020	12.632	12.522	A3	2.125	-	-	2	0	1/8
8014MT40A-3020	80	3020	14.036	13.926	A10	2.125	-	-	2	0	1/8
9014MT40A-3020	90	3020	15.796	15.680	A10	2.125	-	-	2	0	1/8
11214MT40A-3020	112	3020	19.650	19.540	A10	2.125	-	-	2	0	1/8
14414MT40A-3020	144	3020	25.364	25.154	A10	2.125	-	-	2	0	1/8
16814MT40A-3020	168	3020	29.475	29.365	A10	2.125	-	-	2	1/16	1/16
19214MT40A-3020	192	3020	33.686	33.576	A10	2.125	-	-	2	1/16	1/16
21614MT40A-3020	216	3020	37.896	37.786	A10	2.125	-	-	2	1/16	1/16



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings

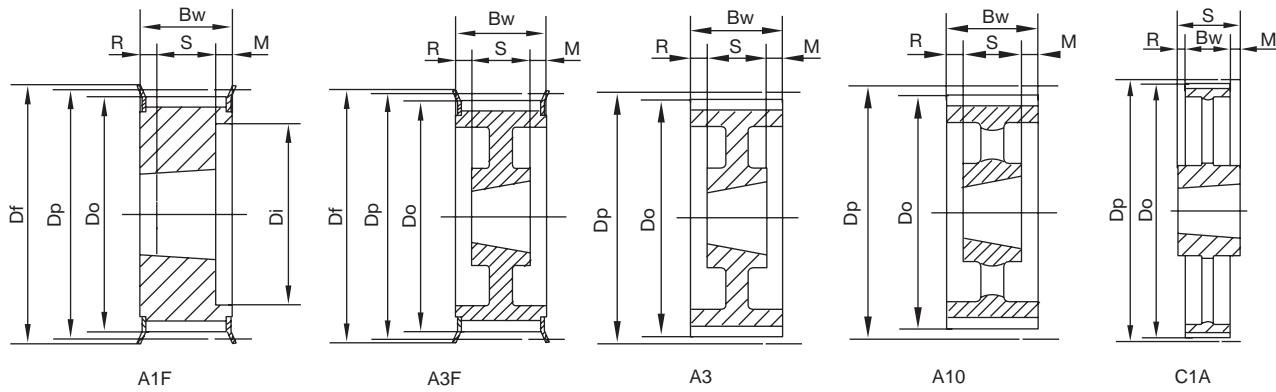
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	14MM	HIGH TORQUE				55MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
2814MT55AF-2012	28	2012	4.912	4.808	A1F	2.750	5.906	3 3/8	1 1/4	0	1 1/2
2914MT55AF-2012	29	2012	5.088	4.984	A1F	2.750	5.906	3 3/8	1 1/4	0	1 1/2
3014MT55AF-2517	30	2517	5.263	5.157	A1F	2.750	5.906	4	1 3/4	0	1
3214MT55AF-2517	32	2517	5.614	5.507	A1F	2.750	6.614	3 15/16	1 3/4	0	1
3414MT55AF-2517	34	2517	5.965	5.858	A1F	2.750	6.614	4 1/16	1 3/4	0	1
3614MT55AF-2517	36	2517	6.316	6.208	A1F	2.750	6.890	4 11/16	1 3/4	0	1
3814MT55AF-2517	38	2517	6.667	6.559	A1F	2.750	7.559	4 13/16	1 3/4	0	1
4014MT55AF-2517	40	2517	7.018	6.908	A1F	2.750	7.874	5 3/16	1 3/4	0	1
4414MT55AF-2517	44	2517	7.720	7.610	A1F	2.750	8.307	6 1/8	1 3/4	0	1
4814MT55AF-3020	48	3020	8.421	8.311	A1F	2.750	9.449	6 1/2	2	0	3/4
5214MT55AF-3020	52	3020	9.123	9.013	A1F	2.750	10.079	7 1/5	2	0	3/4
5614MT55AF-3020	56	3020	9.825	9.715	A1F	2.750	10.433	7 7/8	2	0	3/4
6014MT55AF-3020	60	3020	10.527	10.417	A3F	2.750	11.260	-	2	0	3/4
6414MT55AF-3020	64	3020	11.229	11.119	A3F	2.750	11.654	-	2	0	3/4
6814MT55A-3020	68	3020	11.930	11.820	A3	2.750	-	-	2	0	3/4
7214MT55A-3020	72	3020	12.632	12.522	A3	2.750	-	-	2	0	3/4
8014MT55A-3020	80	3020	14.036	13.926	A10	2.750	-	-	2	0	3/4
9014MT55A-3020	90	3020	15.790	15.680	A10	2.750	-	-	2	0	3/4
11214MT55A-3020	112	3020	19.650	19.540	A10	2.750	-	-	2	0	3/4
14414MT55A-3020	114	3020	25.364	25.154	A10	2.750	-	-	2	0	3/4
16814MT55A-3020	168	3020	29.475	29.365	A10	2.750	-	-	2	3/8	3/8
19214MT55C-3535	192	3535	33.686	33.576	C1A	2.750	-	-	3 1/2	3/8	3/8
21614MT55C-3535	216	3535	37.896	37.786	C1A	2.750	-	-	3 1/2	3/8	3/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings



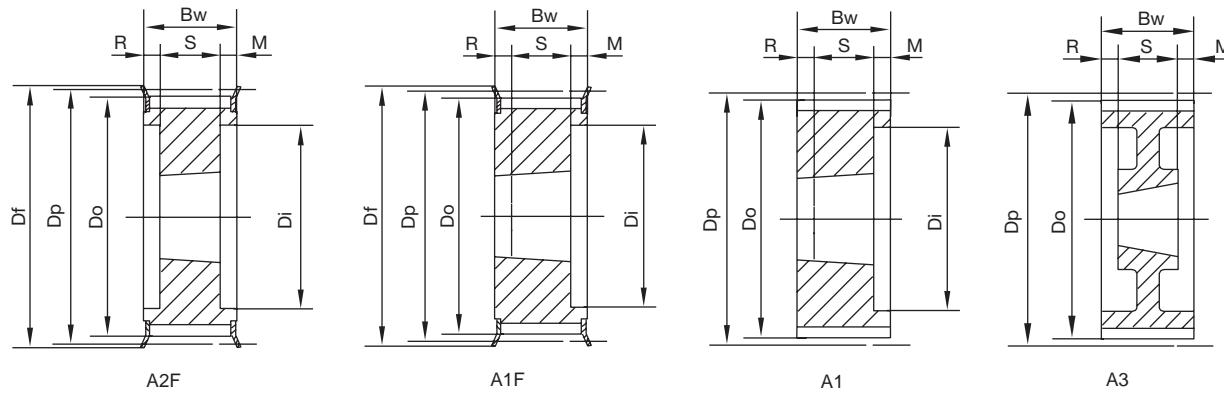
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	85MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
2814MT85AF-2517	28	2517	4.912	4.802	A2F	4.000	5.906	3 3/8	1 3/4	1 1/8	1 1/8
2914MT85AF-2517	29	2517	5.088	4.983	A2F	4.000	5.906	3	1 3/4	1 1/8	1 1/8
3014MT85AF-2517	30	2517	5.263	5.157	A2F	4.000	5.906	4	1 3/4	1/2	1 3/4
3214MT85AF-2517	32	2517	5.614	5.507	A2F	4.000	6.614	3 15/16	1 3/4	7/8	1 3/8
3414MT85AF-2517	34	2517	5.965	5.858	A2F	4.000	6.614	4 1/16	1 3/4	7/8	1 3/8
3614MT85AF-2517	36	2517	6.316	6.208	A2F	4.000	6.890	4 11/16	2	1/2	1 1/2
3814MT85AF-3020	38	3020	6.667	6.559	A2F	4.000	7.559	5	2	1/2	1 1/2
4014MT85AF-3020	40	3020	7.018	6.908	A2F	4.000	7.874	5	2	1/2	1 1/2
4414MT85AF-3020	44	3020	7.720	7.610	A2F	4.000	8.307	6 1/8	2	1/2	1 1/2
4814MT85AF-3020	48	3020	8.421	8.311	A2F	4.000	9.449	6 1/2	2	1/2	1 1/2
5214MT85AF-3535	52	3535	9.123	9.013	A1F	4.000	10.079	7 1/5	3 1/2	0	1/2
5614MT85AF-3535	56	3535	9.825	9.715	A1F	4.000	10.433	7 7/8	3 1/2	0	1/2
6014MT85AF-3535	60	3535	10.527	10.417	A1F	4.000	11.260	8 1/2	3 1/2	0	1/2
6414MT85AF-3535	64	3535	11.229	11.119	A1F	4.000	11.654	9 1/4	3 1/2	0	1/2
6814MT85A-3535	68	3535	11.930	11.820	A1	4.000	-	10	3 1/2	0	1/2
7214MT85A-3535	72	3535	12.632	12.522	A1	4.000	-	10 11/16	3 1/2	0	1/2
8014MT85A-3535	80	3535	14.036	13.926	A1	4.000	-	12 1/8	3 1/2	0	1/2
9014MT85A-3535	90	3535	15.790	15.680	A3	4.000	-	-	3 1/2	0	1/2
11214MT85A-3535	112	3535	19.650	19.540	A3	4.000	-	-	3 1/2	0	1/2
14414MT85A-4040	144	4040	25.364	25.154	A3	4.000	-	-	4	0	0
16814MT85A-4040	168	4040	29.475	29.365	A3	4.000	-	-	4	0	0
19214MT85A-4040	192	4040	33.686	33.576	A3	4.000	-	-	4	0	0
21614MT85A-4040	216	4040	37.896	37.786	A3	4.000	-	-	4	0	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings

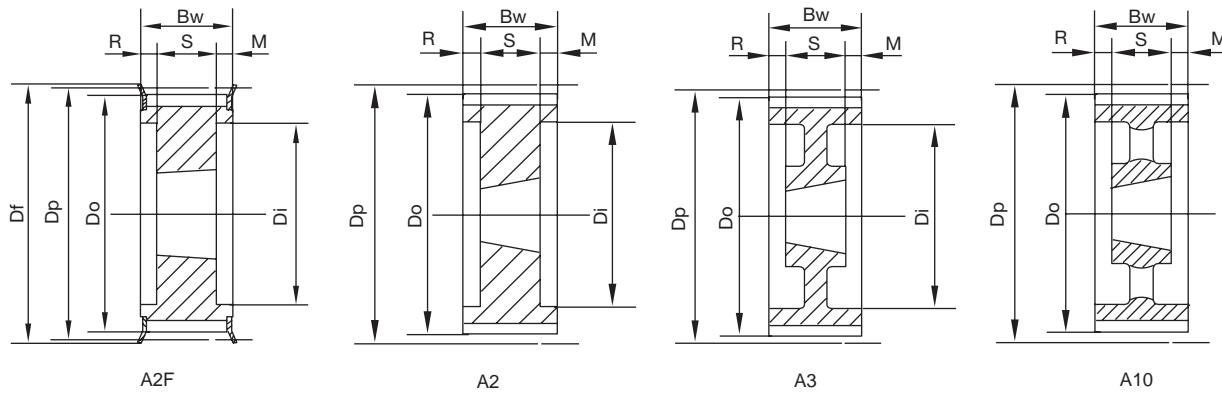
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	14MM	HIGH TORQUE				115MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
2814MT115AF-2517	28	2517	4.912	4.802	A2F	5.250	5.906	3 3/8	1 3/4	1 3/4	1 3/4
2914MT115AF-2517	29	2517	5.088	4.983	A2F	5.250	5.906	3 3/8	1 3/4	1 3/4	1 3/4
3014MT115AF-2517	30	2517	5.263	5.157	A2F	5.250	5.906	3 15/16	1 3/4	1 3/4	1 3/4
3214MT115AF-2517	32	2517	5.614	5.507	A2F	5.250	6.614	3 15/16	1 3/4	1 3/4	1 3/4
3414MT115AF-2517	34	2517	5.965	5.858	A2F	5.250	6.614	4 1/16	1 3/4	1 3/4	1 3/4
3614MT115AF-3020	36	3020	6.316	6.208	A2F	5.250	6.890	4 11/16	2	1 1/2	1 3/4
3814MT115AF-3020	38	3020	6.667	6.559	A2F	5.250	7.559	4 13/16	2	1 5/8	1 5/8
4014MT115AF-3020	40	3020	7.018	6.908	A2F	5.250	7.874	5 1/16	2	1 5/8	1 5/8
4414MT115AF-3535	44	3535	7.720	7.610	A2F	5.250	8.307	6 1/8	3 1/2	7/8	7/8
4814MT115AF-3535	48	3535	8.421	8.311	A2F	5.250	9.449	6 1/2	3 1/2	7/8	7/8
5214MT115AF-4040	52	4040	9.123	9.013	A2F	5.250	10.079	7 3/16	4	5/8	5/8
5614MT115AF-4040	56	4040	9.825	9.715	A2F	5.250	10.433	7 7/8	4	3/8	7/8
6014MT115AF-4040	60	4040	10.527	10.417	A2F	5.250	11.260	8 1/2	4	3/8	7/8
6414MT115AF-4545	64	4545	11.229	11.119	A2F	5.250	11.654	9 1/4	4 1/2	3/8	3/8
6814MT115A-4545	68	4545	11.930	11.820	A2	5.250	-	10	4 1/2	3/8	3/8
7214MT115A-4545	72	4545	12.632	12.522	A2	5.250	-	10 11/16	4 1/2	3/8	3/8
8014MT115A-4545	80	4545	14.036	13.926	A3	5.250	-	12 1/8	4 1/2	3/8	3/8
9014MT115A-4545	90	4545	15.790	15.680	A3	5.250	-	13 9/16	4 1/2	3/8	3/8
11214MT115A-4545	112	4545	19.650	19.540	A10	5.250	-	-	4 1/2	3/8	3/8
14414MT115A-4545	144	4545	25.364	25.154	A10	5.250	-	-	4 1/2	3/8	3/8
16814MT115A-4545	168	4545	29.475	29.365	A10	5.250	-	-	4 1/2	3/8	3/8
19214MT115A-4545	192	4545	33.686	33.576	A10	5.250	-	-	4 1/2	3/8	3/8
21614MT115A-5050	216	5050	37.896	37.786	A10	5.250	-	-	5	0	1/4



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "Taper-Lock" Style Bushings



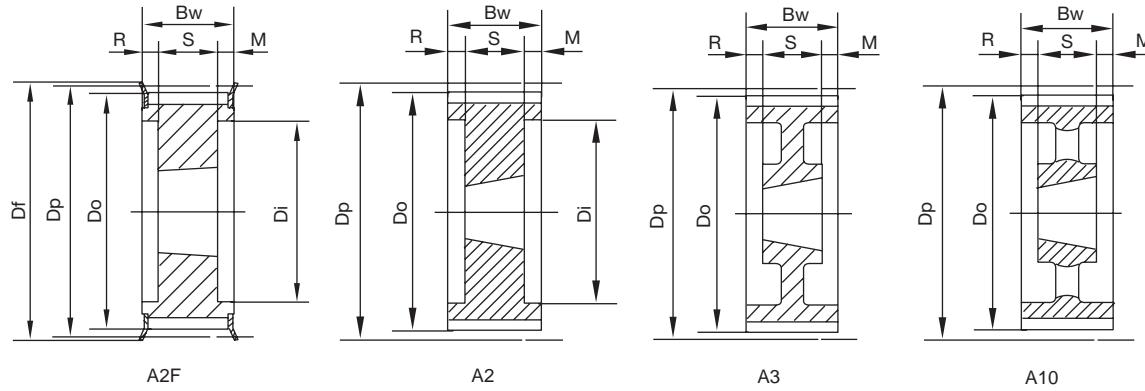
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	170MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	Di	S	R	M
3814MT170AF-3030	38	3030	6.667	6.559	A2F	7.375	7.559	4 13/16	3	2 3/16	2 3/16
4014MT170AF-3030	40	3030	7.018	6.908	A2F	7.375	7.874	4 13/16	3	2 3/16	2 3/16
4414MT170AF-3535	44	3535	7.720	7.610	A2F	7.375	8.307	6 1/8	3 1/2	1 15/16	1 15/16
4814MT170AF-3535	48	3535	8.421	8.311	A2F	7.375	9.449	6 1/2	3 1/2	1 15/16	1 15/16
5214MT170AF-4040	52	4040	9.123	9.013	A2F	7.375	10.079	7 3/16	4	1 11/16	1 11/16
5614MT170AF-4040	56	4040	9.825	9.715	A2F	7.375	10.433	7 7/8	4	1 11/16	1 11/16
6014MT170AF-4545	60	4545	10.527	10.417	A2F	7.375	11.260	8 1/2	4 1/2	1 7/16	1 7/16
6414MT170AF-4545	64	4545	11.229	11.119	A2F	7.375	11.654	9 1/4	4 1/2	1 7/16	1 7/16
6814MT170A-4545	68	4545	11.930	11.820	A2	7.375	-	10	4 1/2	1 7/16	1 7/16
7214MT170A-4545	72	4545	12.632	12.522	A2	7.375	-	10 11/16	4 1/2	1 7/16	1 7/16
8014MT170A-4545	80	4545	14.036	13.926	A3	7.375	-	-	4 1/2	1 7/16	1 7/16
9014MT170A-4545	90	4545	15.790	15.680	A3	7.375	-	-	4 1/2	1 7/16	1 7/16
11214MT170A-5050	112	5050	19.650	19.540	A10	7.375	-	-	5	1 3/16	1 3/16
14414MT170A-5050	144	5050	25.364	25.154	A10	7.375	-	-	5	1 3/16	1 3/16
16814MT170A-5050	168	5050	29.475	29.365	A10	7.375	-	-	5	1 3/16	1 3/16
19214MT170A-5050	192	5050	33.686	33.576	A10	7.375	-	-	5	1 3/16	1 3/16
21614MT170A-5050	216	5050	37.896	37.786	A10	7.375	-	-	5	1 3/16	1 3/16

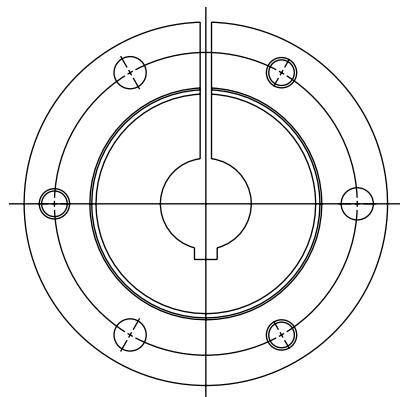
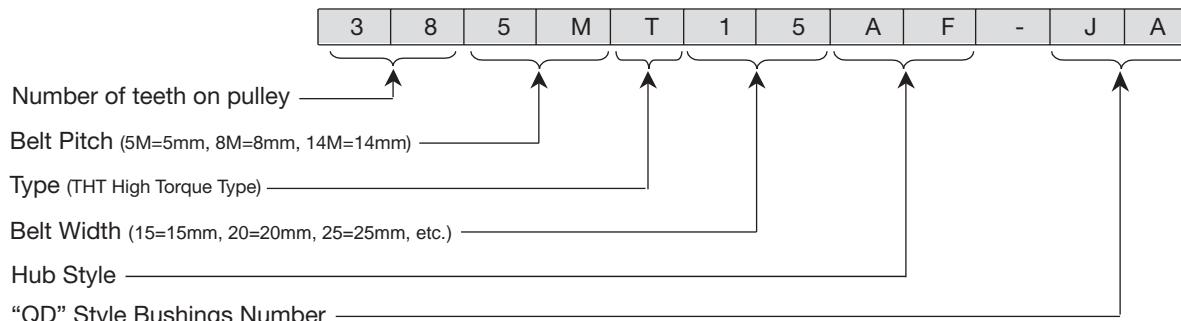


If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

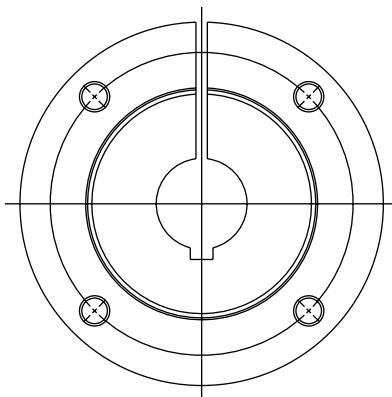


Tsubaki THT High Torque Type Pulleys can be supplied with "QD" style bushings. Refer to the diagram and chart below for more information on sizes and specifications.

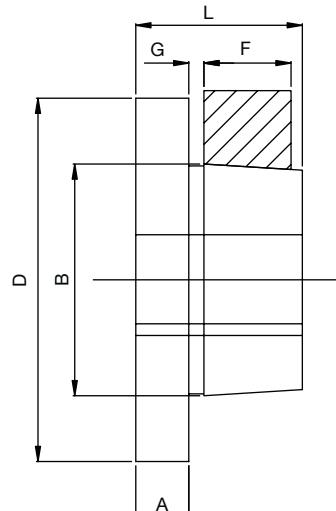
## How to Read Item Numbers:



BUSHINGS JA TO J



BUSHINGS M TO N



All dimensions in inches unless otherwise stated.

Bushing	A	B	D	F	G	L	* Bolt Circle	Cap Screws Required	Standard Keyway	Shallow Keyway	Without Keyway	Weight (lbs.)
JA	5/16	1 1/8	2	9/16	1/8	1	1 21/32	(3) #10 x 1	1/2 - 1	1 1/16 - 1 3/16	1 1/4	0.8
SH	7/16	1 1/8	2 5/8	3/4	1/8	1 5/16	2 1/4	(3) 1/4 x 1 1/8	1/2 - 1 1/8	1 7/16 - 1 5/8	1 11/16	0.7
SDS	7/16	2 3/16	3 3/16	3/4	1/8	1 5/16	2 11/16	(3) 1/4 x 1 1/8	1/2 - 1 11/16	1 3/4 - 1 15/16	2	1.0
SD	7/16	2 3/16	3 3/16	1 1/4	1/8	1 13/16	2 11/16	(3) 1/4 x 1 1/8	1/2 - 1 11/16	1 3/4 - 1 15/16	2	1.0
SK	9/16	2 13/16	3 7/8	1 1/4	7/32	1 15/16	3 5/16	(3) 5/16 x 2	1/2 - 2 1/8	2 5/16 - 2 1/2	2 9/16 - 2 5/8	2.1
SF	5/8	3 1/8	4 5/8	1 1/4	7/32	2 1/16	3 7/8	(3) 3/8 x 2	1/2 - 2 5/16	2 3/8 - 2 13/16	2 13/16 - 2 15/16	3.1
E	7/8	3 55/64	6	1 1/8	1/4	2 3/4	5	(3) 1/2 x 2 3/4	7/8 - 2 7/8	2 15/16 - 3 1/2	-	2.1
F	1	4 7/16	6 5/8	2 1/2	11/32	3 3/4	5 5/8	(3) 9/16 x 3 5/8	1 - 3 1/4	3 9/16 - 3 15/16	4	3.1
J	1 1/8	5 5/64	7 1/4	3 3/16	3/8	4 5/8	6 1/4	(3) 5/8 x 4 1/2	1 1/2 - 3 7/8	3 15/16 - 4 1/2	-	17
M	1 1/4	6 1/2	9	5 3/16	13/32	6 3/4	7 7/8	(4) 3/4 x 6 3/4	2 - 4 3/4	4 7/8 - 5 1/2	-	56
N	1 1/2	7	10	6 1/4	9/16	8 1/8	8 1/2	(4) 7/8 x 8	2 7/16 - 5 1/8	5 3/16 - 5 1/2	-	68

All bushings can be supplied in steel, stainless steel and other materials. Consult Tsubaki for more details.

\* Available Upon Request

# THT High Torque Type Pulley with "QD" Style Bushings



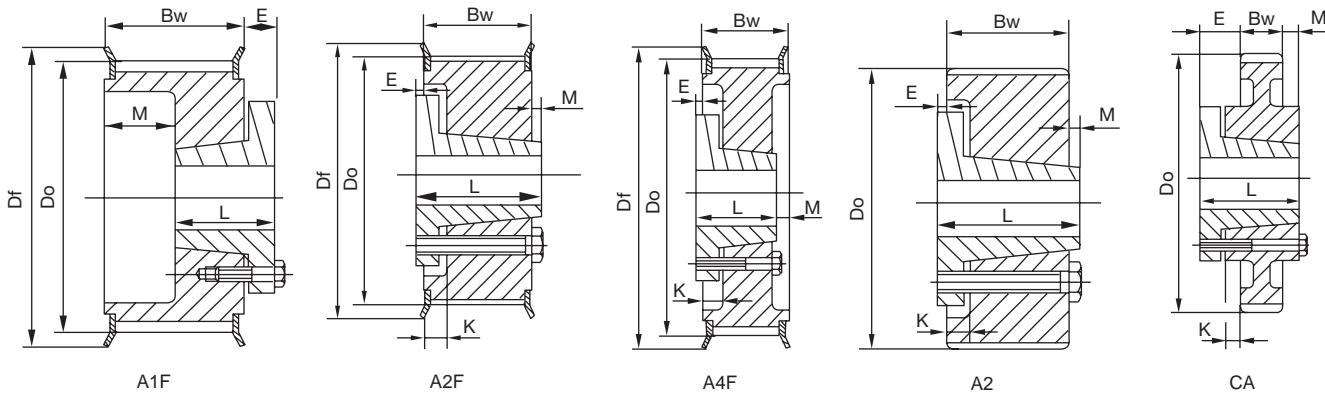
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	5MM	HIGH TORQUE	15MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
385MT15AF-JA	38	JA	2.381	2.336	A1F	1.219	2.638	9/32	-	1	7/16
405MT15AF-JA	40	JA	2.506	2.461	A1F	1.219	2.756	9/32	-	1	7/16
445MT15AF-JA	44	JA	2.757	2.712	A1F	1.219	3.110	9/32	-	1	7/16
485MT15AF-JA	48	JA	3.008	2.963	A2F	1.219	3.268	5/32	9/32	1	0
525MT15AF-JA	52	JA	3.258	3.213	A2F	1.219	3.425	5/32	9/32	1	0
565MT15AF-SH	56	SH	3.509	3.464	A4F	1.219	3.701	1/2	0	1/4	3/32
605MT15AF-SH	60	SH	3.760	3.715	A4F	1.219	4.016	1/2	0	1/4	3/32
645MT15AF-SH	64	SH	4.010	3.965	A4F	1.219	4.409	1/2	0	1/4	3/32
685MT15AF-SDS	68	SDS	4.261	4.216	A2F	1.219	4.528	15/32	3/32	1 5/16	0
725MT15AF-SDS	72	SDS	4.511	4.466	A2F	1.219	4.724	15/32	3/32	1 5/16	0
805MT15A-SDS	80	SDS	5.013	4.968	A2	1.219	-	15/32	3/32	1 5/16	0
905MT15A-SDS	90	SDS	5.639	5.594	A2	1.219	-	15/32	3/32	1 5/16	0
1125MT15C-SDS	112	SDS	7.018	6.973	CA	1.219	-	15/32	3/32	1 5/16	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings

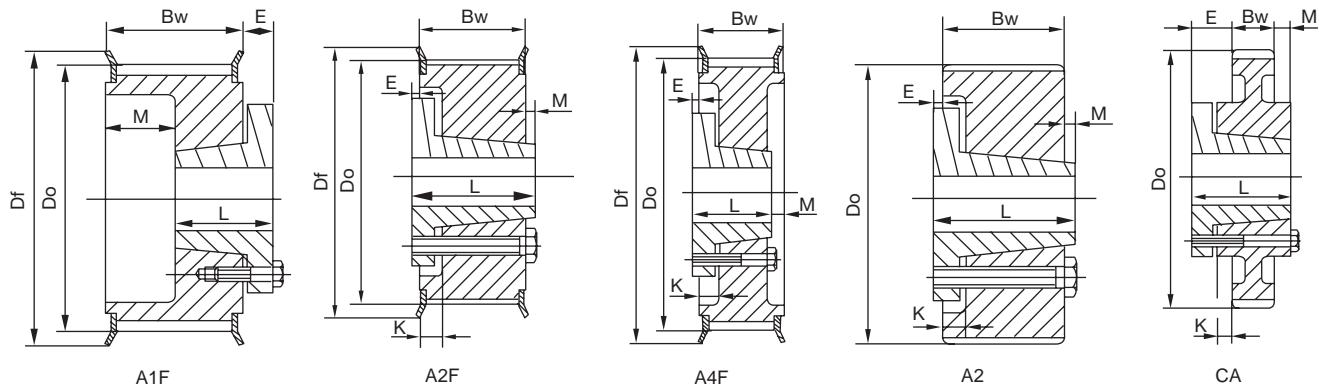
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	5MM	HIGH TORQUE				25MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
385MT25AF-JA	38	JA	2.381	2.336	A1F	1.219	2.638	43/64	-	1	7/16
405MT25AF-JA	40	JA	2.506	2.461	A1F	1.219	2.756	43/64	-	1	7/16
445MT25AF-JA	44	JA	2.757	2.712	A1F	1.219	3.110	43/64	-	1	7/16
485MT25AF-JA	48	JA	3.008	2.963	A2F	1.219	3.268	15/64	43/64	1	0
525MT25AF-JA	52	JA	3.258	3.213	A2F	1.219	3.425	15/64	43/64	1	0
565MT25AF-SH	56	SH	3.509	3.464	A4F	1.219	3.701	5/64	27/64	1 1/4	1/16
605MT25AF-SH	60	SH	3.760	3.715	A4F	1.219	4.016	5/64	27/64	1 1/4	1/16
645MT25AF-SH	64	SH	4.010	3.965	A4F	1.219	4.409	5/64	27/64	1 1/4	1/16
685MT25AF-SDS	68	SDS	4.261	4.216	A2F	1.219	4.528	5/64	15/32	1 5/16	0
725MT25AF-SDS	72	SDS	4.511	4.466	A2F	1.219	4.724	5/64	15/32	1 5/16	0
805MT25A-SDS	80	SDS	5.013	4.968	A2	1.219	-	5/64	15/32	1 5/16	0
905MT25A-SDS	90	SDS	5.639	5.594	A2	1.219	-	5/64	15/32	1 5/16	0
1125MT25C-SDS	112	SDS	7.018	6.973	CA	1.219	-	5/64	15/32	1 5/16	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings



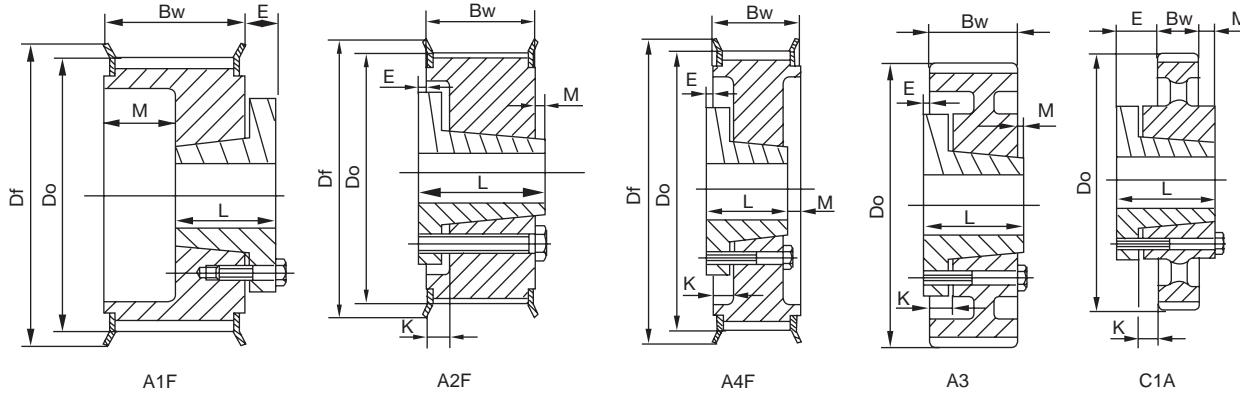
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	20MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
248MT20AF-JA	24	JA	2.406	2.352	A1F	1.125	2.638	9/16	-	1 1/16	7/16
268MT20AF-JA	26	JA	2.607	2.553	A1F	1.125	2.913	9/16	-	1 1/16	7/16
288MT20AF-H	28	H	2.807	2.753	A1F	1.125	3.150	1/4	-	1 1/4	3/8
308MT20AF-H	30	H	3.008	2.954	A1F	1.125	3.425	1/4	-	1 1/4	3/8
328MT20AF-H	32	H	3.208	3.154	A2F	1.125	3.583	1/8	1/4	1 1/4	0
348MT20AF-SH	34	SH	3.409	3.355	A4F	1.125	3.701	3/16	5/16	1 1/4	1/16
368MT20AF-SH	36	SH	3.609	3.555	A4F	1.125	4.016	3/16	5/16	1 1/4	1/16
388MT20AF-SH	38	SH	3.810	3.756	A4F	1.125	4.173	3/16	5/16	1 1/4	1/16
408MT20AF-SH	40	SH	4.010	3.956	A4F	1.125	4.409	3/16	5/16	1 1/4	1/16
448MT20AF-SDS	44	SDS	4.411	4.357	A2F	1.125	4.724	3/16	3/8	1 5/16	0
488MT20AF-SDS	48	SDS	4.812	4.758	A2F	1.125	5.157	3/16	3/8	1 5/16	0
568MT20AF-SDS	56	SDS	5.614	5.560	A2F	1.125	5.984	3/16	3/8	1 5/16	0
648MT20AF-SDS	64	SDS	6.416	6.362	A2F	1.125	7.087	3/16	3/8	1 5/16	0
728MT20AF-SDS	72	SDS	7.218	7.164	A2F	1.125	7.559	3/16	3/8	1 5/16	0
808MT20A-SDS	80	SDS	8.02	7.966	A3	1.125	-	3/16	3/8	1 5/16	0
908MT20A-SDS	90	SDS	9.023	8.969	A3	1.125	-	3/16	3/8	1 5/16	0
1128MT20C-SK	112	SK	11.229	11.175	C1A	1.125	-	3/4	1/16	1 5/16	1/16
1448MT20C-SF	144	SF	14.447	14.383	C1A	1.125	-	3/4	1/16	2 1/16	1/16



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings

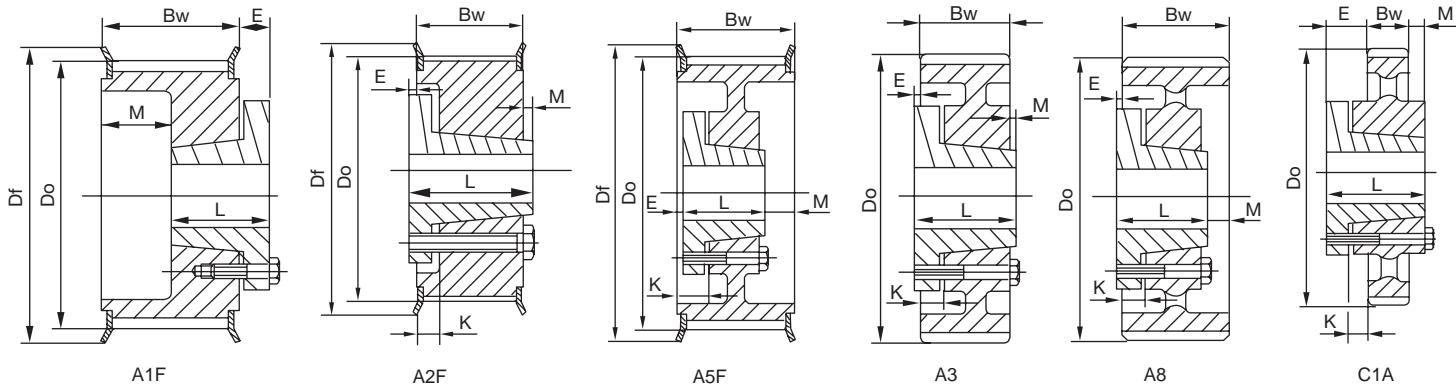
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	8MM	HIGH TORQUE				30MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
288MT30AF-H	28	H	2.807	2.753	A1F	1.500	3.150	5/8	-	1 1/4	3/8
308MT30AF-H	30	H	3.008	2.954	A1F	1.500	3.425	5/8	-	1 1/4	3/8
328MT30AF-H	32	H	3.208	3.154	A2F	1.500	3.583	1/4	5/8	1 1/4	0
348MT30AF-SH	34	SH	3.409	3.355	A5F	1.500	3.701	3/16	11/16	1 1/4	1/16
368MT30AF-SH	36	SH	3.609	3.555	A5F	1.500	4.016	3/16	11/16	1 1/4	1/16
388MT30AF-SH	38	SH	3.810	3.756	A5F	1.500	4.173	3/16	11/16	1 1/4	1/16
408MT30AF-SH	40	SH	4.010	3.956	A5F	1.500	4.409	3/16	11/16	1 1/4	1/16
448MT30AF-SDS	44	SDS	4.411	4.357	A2F	1.500	4.724	3/16	3/4	1 5/16	0
488MT30AF-SDS	48	SDS	4.812	4.758	A2F	1.500	5.157	3/16	3/4	1 5/16	0
568MT30AF-SDS	56	SDS	5.614	5.560	A2F	1.500	5.984	3/16	3/4	1 5/16	0
648MT30F-SK	64	SK	6.416	6.362	A2F	1.500	7.087	3/8	1/4	1 7/8	0
728MT30AF-SK	72	SK	7.218	7.164	A2F	1.500	7.559	3/8	1/4	1 7/8	0
808MT30A-SK	80	SK	8.020	7.966	A3	1.500	-	3/8	1/4	1 7/8	0
908MT30A-SK	90	SK	9.023	8.969	A3	1.500	-	3/8	1/4	1 7/8	0
1128MT30A-SK	112	SK	11.229	11.175	A8	1.500	-	3/8	1/4	1 7/8	0
1448MT30A-SF	144	SF	14.447	14.383	A8	1.500	-	9/16	1/4	2 1/16	0
1928MT30C-E	192	E	19.249	19.195	C1A	1.500	-	1 5/16	1/16	2 5/8	1/16



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



## THT High Torque Type Pulley with "QD" Style Bushings



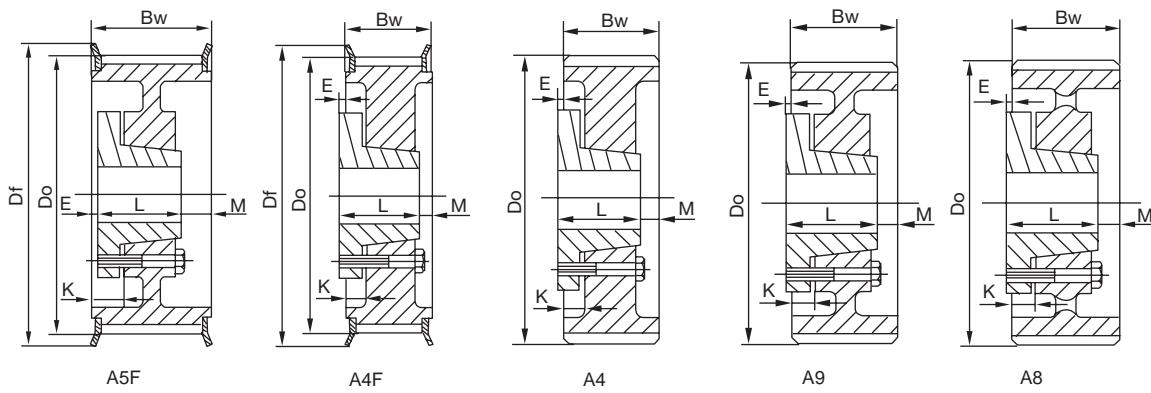
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	50MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
328MT50AF-H	32	H	3.208	3.154	A5F	2.375	3.583	1/2	3/4	1 1/4	5/8
348MT50AF-SH	34	SH	3.409	3.355	A5F	2.375	3.701	0	1/2	1 1/4	1 1/8
368MT50AF-SH	36	SH	3.609	3.555	A5F	2.375	4.016	0	1/2	1 1/4	1 1/8
388MT50AF-SH	38	SH	3.810	3.756	A5F	2.375	4.173	0	1/2	1 1/4	1 1/8
408MT50AF-SH	40	SH	4.010	3.956	A5F	2.375	4.409	0	1/2	1 1/4	1 1/8
448MT50AF-SD	44	SD	4.411	4.357	A5F	2.375	4.724	0	9/16	1 13/16	9/16
488MT50AF-SD	48	SD	4.812	4.758	A5F	2.375	5.157	0	9/16	1 13/16	9/16
568MT50AF-SK	56	SK	5.614	5.560	A4F	2.375	5.984	1/16	9/16	1 7/8	9/16
648MT50AF-SK	64	SK	6.416	6.362	A4F	2.375	7.087	1/16	9/16	1 7/8	9/16
728MT50AF-SK	72	SK	7.218	7.164	A4F	2.375	7.559	1/16	9/16	1 7/8	9/16
808MT50A-SF	80	SF	8.020	7.966	A4	2.375	-	1/16	9/16	2	0
908MT50A-SF	90	SF	9.023	8.969	A9	2.375	-	1/16	9/16	2	0
1128MT50A-SF	112	SF	11.229	11.175	A8	2.375	-	1/16	9/16	2	0
1448MT50A-E	144	E	14.437	14.383	A8	2.375	-	1/2	3/8	2 5/8	0
1928MT50A-E	192	E	19.249	19.195	A8	2.375	-	1/2	3/8	2 5/8	0



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings

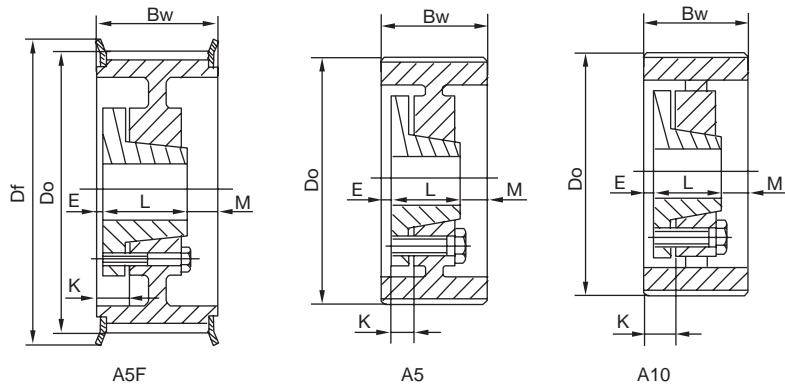
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	8MM	HIGH TORQUE				85MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
348MT85AF-SH	34	SH	3.409	3.355	A5F	3.750	3.701	1	1 1/2	1 1/4	1 1/2
368MT85AF-SH	36	SH	3.609	3.555	A5F	3.750	4.016	1	1 1/2	1 1/4	1 1/2
388MT85AF-SH	38	SH	3.810	3.756	A5F	3.750	4.173	1	1 1/2	1 1/4	1 1/2
408MT85AF-SD	40	SD	4.010	3.956	A5F	3.750	4.409	11/16	1 1/4	1 13/16	1 1/4
448MT85AF-SD	44	SD	4.411	4.357	A5F	3.750	4.724	11/16	1 1/4	1 13/16	1 1/4
488MT85AF-SD	48	SD	4.812	4.758	A5F	3.750	5.157	11/16	1 1/4	1 13/16	1 1/4
568MT85AF-SK	56	SK	5.614	5.560	A5F	3.750	5.984	5/8	1 1/4	1 7/8	1 1/4
648MT85AF-SK	64	SK	6.416	6.362	A5F	3.750	7.087	5/8	1 1/4	1 7/8	1 1/4
728MT85AF-SF	72	SF	7.218	7.000	A5F	3.750	7.559	5/8	1 1/4	2	1 1/8
808MT85A-SF	80	SF	8.020	7.966	A5	3.750	-	5/8	1 1/4	2	1 1/8
908MT85A-SF	90	SF	9.023	8.969	A5	3.750	-	5/8	1 1/4	2	1 1/8
1128MT85A-SF	112	SF	11.229	11.175	A10	3.750	-	5/8	1 1/4	2	1 1/8
1448MT85A-E	144	E	14.447	14.383	A10	3.750	-	3/16	1 1/16	2 5/8	15/16
1928MT85A-E	192	E	19.249	19.195	A10	3.750	-	3/16	1 1/16	2 5/8	15/16



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings



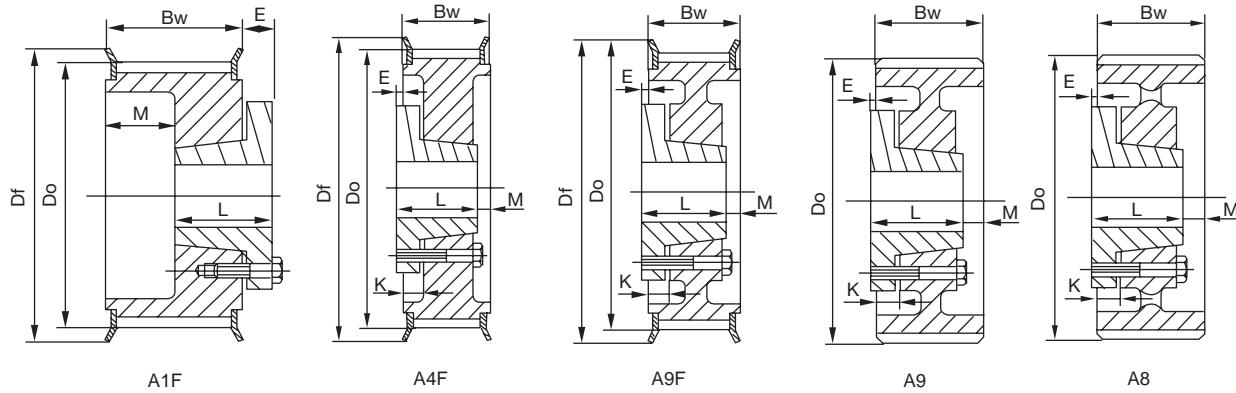
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	40MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
2814MT40AF-SK	28	SK	4.912	4.808	A1F	2.125	5.906	7/8	-	1 7/8	5/8
2914MT40AF-SK	29	SK	5.088	4.983	A1F	2.125	5.906	7/8	-	1 7/8	5/8
3014MT40AF-SK	30	SK	5.263	5.153	A4F	2.125	5.906	3/16	7/16	1 7/8	7/16
3214MT40AF-SK	32	SK	5.614	5.504	A4F	2.125	6.614	3/16	7/16	1 7/8	7/16
3414MT40AF-SK	34	SK	5.965	5.858	A4F	2.125	6.614	3/16	7/16	1 7/8	7/16
3614MT40AF-SF	36	SF	6.316	6.206	A4F	2.125	6.890	3/16	7/16	2	5/16
3814MT40AF-SF	38	SF	6.667	6.557	A4F	2.125	7.559	3/16	7/16	2	5/16
4014MT40AF-SF	40	SF	7.018	6.909	A4F	2.125	7.874	3/16	7/16	2	5/16
4414MT40AF-E	44	E	7.720	7.610	A4F	2.125	8.307	5/8	1/4	2 5/8	1/8
4814MT40AF-E	48	E	8.421	8.311	A4F	2.125	9.449	5/8	1/4	2 5/8	1/8
5214MT40AF-E	52	E	9.123	9.013	A4F	2.125	10.079	5/8	1/4	2 5/8	1/8
5614MT40AF-E	56	E	9.825	9.715	A4F	2.125	10.433	5/8	1/4	2 5/8	1/8
6014MT40AF-E	60	E	10.527	10.417	A4F	2.125	11.260	5/8	1/4	2 5/8	1/8
6414MT40AF-E	64	E	11.229	11.119	A9F	2.125	11.654	5/8	1/4	2 5/8	1/8
6814MT40A-E	68	E	11.930	11.820	A9	2.125	-	5/8	1/4	2 5/8	1/8
7214MT40A-E	72	E	12.632	12.522	A9	2.125	-	5/8	1/4	2 5/8	1/8
8014MT40A-E	80	E	14.036	13.926	A9	2.125	-	5/8	1/4	2 5/8	1/8
9014MT40A-E	90	E	15.790	15.680	A8	2.125	-	5/8	1/4	2 5/8	1/8
11214MT40A-E	112	E	19.650	19.540	A8	2.125	-	5/8	1/4	2 5/8	1/8
14414MT40A-E	144	E	25.264	25.154	A8	2.125	-	5/8	1/4	2 5/8	1/8



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# THT High Torque Type Pulley with "QD" Style Bushings

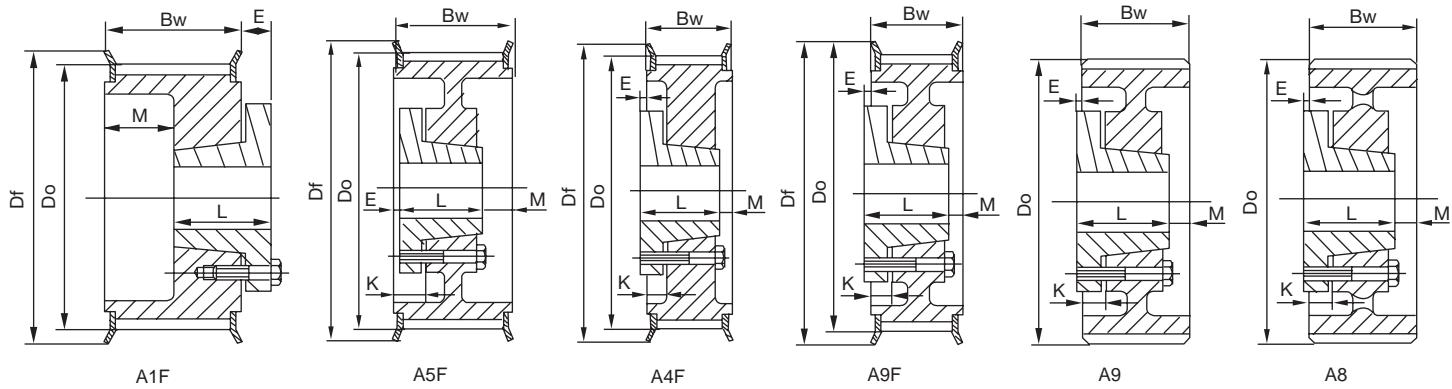
TYPE	PITCH	DESCRIPTION				BELT WIDTH		TSUBAKI Innovation in Motion		
THT	14MM	HIGH TORQUE				55MM				

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
2814MT55AF-SK	28	SK	4.912	4.808	A1F	2.750	5.906	1 1/2	-	1 7/8	5/8
2914MT55AF-SK	29	SK	5.088	4.983	A1F	2.750	5.906	1 1/2	-	1 7/8	5/8
3014MT55AF-SK	30	SK	5.263	5.157	A5F	2.750	5.906	1/8	3/4	1 7/8	3/4
3214MT55AF-SK	32	SK	5.614	5.507	A5F	2.750	6.614	1/8	3/4	1 7/8	3/4
3414MT55AF-SK	34	SK	5.965	5.858	A5F	2.750	6.614	1/8	3/4	1 7/8	3/4
3614MT55AF-SF	36	SF	6.316	6.208	A5F	2.750	6.890	1/8	3/4	2	5/8
3814MT55AF-SF	38	SF	6.667	6.559	A5F	2.750	7.559	1/8	3/4	2	5/8
4014MT55AF-SF	40	SF	7.018	6.909	A5F	2.750	7.874	1/8	3/4	2	5/8
4414MT55AF-E	44	E	7.720	7.610	A4F	2.750	8.307	5/16	9/16	2 5/8	7/16
4814MT55AF-E	48	E	8.421	8.311	A4F	2.750	9.449	5/16	9/16	2 5/8	7/16
5214MT55AF-E	52	E	9.123	9.013	A4F	2.750	10.079	5/16	9/16	2 5/8	7/16
5614MT55AF-E	56	E	9.825	9.715	A4F	2.750	10.433	5/16	9/16	2 5/8	7/16
6014MT55AF-E	60	E	10.527	10.417	A4F	2.750	11.260	5/16	9/16	2 5/8	7/16
6414MT55AF-F	64	F	11.229	11.119	A9F	2.750	11.654	7/8	1/8	3 5/8	0
6814MT55A-F	68	F	11.930	11.820	A9	2.750	-	7/8	1/8	3 5/8	0
7214MT55A-F	72	F	12.632	12.522	A9	2.750	-	7/8	1/8	3 5/8	0
8014MT55A-F	80	F	14.036	13.926	A9	2.750	-	7/8	1/8	3 5/8	0
9014MT55A-F	90	F	15.790	15.680	A8	2.750	-	7/8	1/8	3 5/8	0
11214MT55A-F	112	F	19.650	19.540	A8	2.750	-	7/8	1/8	3 5/8	0
14414MT55A-F	144	F	25.264	25.154	A8	2.750	-	7/8	1/8	3 5/8	0
16814MT55A-F	168	F	29.475	29.365	A8	2.750	-	7/8	1/8	3 5/8	0
19214MT55A-F	192	F	33.686	33.576	A8	2.750	-	7/8	1/8	3 5/8	0
21614MT55A-F	216	F	37.896	37.786	A8	2.750	-	7/8	1/8	3 5/8	0



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# THT High Torque Type Pulley with "QD" Style Bushings



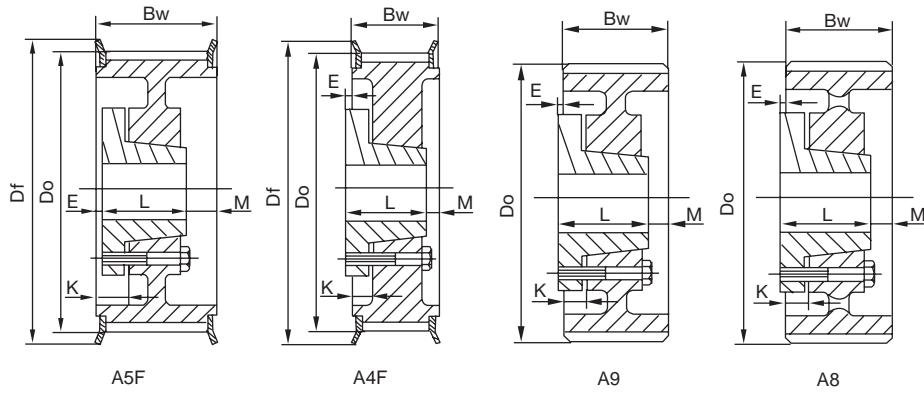
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	85MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
3014MT85AF-SK	30	SK	5.293	5.157	A5F	4.000	5.906	3/4	1 3/8	1 7/8	1 3/8
3214MT85AF-SK	32	SK	5.614	5.507	A5F	4.000	6.614	3/4	1 3/8	1 7/8	1 3/8
3414MT85AF-SK	34	SK	5.965	5.858	A5F	4.000	6.614	3/4	1 3/8	1 7/8	1 3/8
3614MT85AF-SF	36	SF	6.316	6.206	A5F	4.000	6.890	3/4	1 3/8	2	1 1/4
3814MT85AF-SF	38	SF	6.667	6.557	A5F	4.000	7.559	3/4	1 3/8	2	1 1/4
4014MT85AF-SF	40	SF	7.018	6.909	A5F	4.000	7.874	3/4	1 3/8	2	1 1/4
4414MT85AF-E	44	E	7.720	7.610	A5F	4.000	8.307	5/16	1 3/16	2 5/8	1 1/16
4814MT85AF-E	48	E	8.421	8.311	A5F	4.000	9.449	5/16	1 3/16	2 5/8	1 1/16
5214MT85AF-E	52	E	9.123	9.103	A5F	4.000	10.079	5/16	1 3/16	2 5/8	1 1/16
5614MT85AF-F	56	F	9.825	9.715	A4F	4.000	10.433	1/4	3/4	3 5/8	5/8
6014MT85AF-F	60	F	10.527	10.417	A4F	4.000	11.260	1/4	3/4	3 5/8	5/8
6414MT85AF-F	64	F	11.229	11.119	A4F	4.000	11.654	1/4	3/4	3 5/8	5/8
6814MT85A-F	68	F	11.930	11.820	A9	4.000	-	1/4	3/4	3 5/8	5/8
7214MT85A-F	72	F	12.632	12.522	A9	4.000	-	1/4	3/4	3 5/8	5/8
8014MT85A-F	80	F	14.036	13.926	A9	4.000	-	1/4	3/4	3 5/8	5/8
9014MT85A-F	90	F	15.790	15.680	A8	4.000	-	1/4	3/4	3 5/8	5/8
11214MT85A-F	112	F	19.650	19.540	A8	4.000	-	1/4	3/4	3 5/8	5/8
14414MT85A-F	144	F	25.264	25.154	A8	4.000	-	1/4	3/4	3 5/8	5/8
16814MT85A-F	168	F	29.475	29.365	A8	4.000	-	1/4	3/4	3 5/8	5/8
19214MT85A-F	192	F	33.686	33.576	A8	4.000	-	1/4	3/4	3 5/8	5/8
21614MT85A-F	216	F	37.896	37.786	A8	4.000	-	1/4	3/4	3 5/8	5/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings

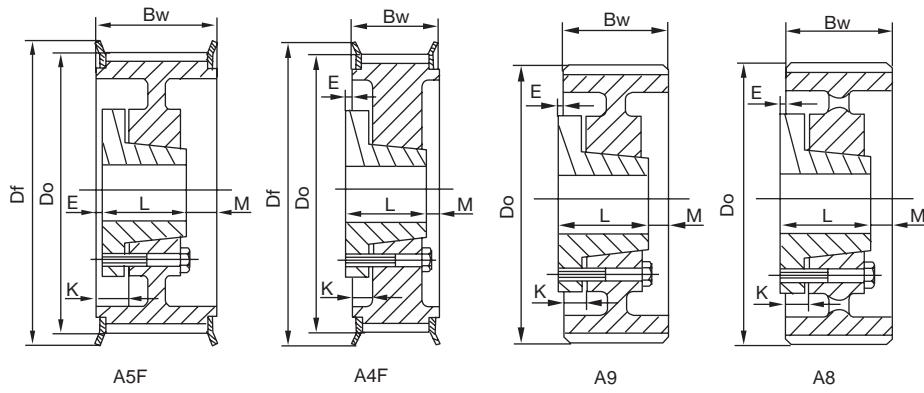
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	14MM	HIGH TORQUE	115MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
3014MT115AF-SK	30	SK	5.263	5.157	A5F	5.250	5.906	1 3/8	2	1 7/8	2
3214MT115AF-SK	32	SK	5.614	5.507	A5F	5.250	6.614	1 3/8	2	1 7/8	2
3414MT115AF-SK	34	SK	5.965	5.858	A5F	5.250	6.614	1 3/8	2	1 7/8	2
3614MT115AF-SF	36	SF	6.316	6.208	A5F	5.250	6.890	1 3/8	2	2	1 7/8
3814MT115AF-SF	38	SF	6.667	6.000	A5F	5.250	7.559	1 3/8	2	2	1 7/8
4014MT115AF-SF	40	SF	7.018	6.909	A5F	5.250	7.874	1 3/8	2	2	1 7/8
4414MT115AF-E	44	E	7.720	7.610	A5F	5.250	8.307	15/16	1 13/16	2 5/8	1 11/16
4814MT115AF-E	48	E	8.421	8.311	A5F	5.250	9.449	15/16	1 13/16	2 5/8	1 11/16
5214MT115AF-F	52	F	9.123	9.013	A5F	5.250	10.079	3/8	1 3/8	3 5/8	1 1/4
5614MT115AF-F	56	F	9.825	9.715	A5F	5.250	10.433	3/8	1 3/8	3 5/8	1 1/4
6014MT115AF-F	60	F	10.527	10.417	A5F	5.250	11.260	3/8	1 3/8	3 5/8	1 1/4
6414MT115AF-J	64	J	11.229	11.119	A4F	5.250	11.654	3/16	1	4 1/2	15/16
6814MT115A-J	68	J	11.930	11.820	A9	5.250	-	3/16	1	4 1/2	15/16
7214MT115A-J	72	J	12.632	12.522	A9	5.250	-	3/16	1	4 1/2	15/16
8014MT115A-J	80	J	14.036	13.926	A9	5.250	-	3/16	1	4 1/2	15/16
9014MT115A-J	90	J	15.790	15.680	A9	5.250	-	3/16	1	4 1/2	15/16
11214MT115A-J	112	J	19.650	19.540	A8	5.250	-	3/16	1	4 1/2	15/16
14414MT115A-J	144	J	25.264	25.154	A8	5.250	-	3/16	1	4 1/2	15/16
16814MT115A-J	168	J	29.475	29.365	A8	5.250	-	3/16	1	4 1/2	15/16
19214MT115A-J	192	J	33.686	33.576	A8	5.250	-	3/16	1	4 1/2	15/16
21614MT115A-J	216	J	37.896	37.786	A8	5.250	-	3/16	1	4 1/2	15/16



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



# THT High Torque Type Pulley with "QD" Style Bushings



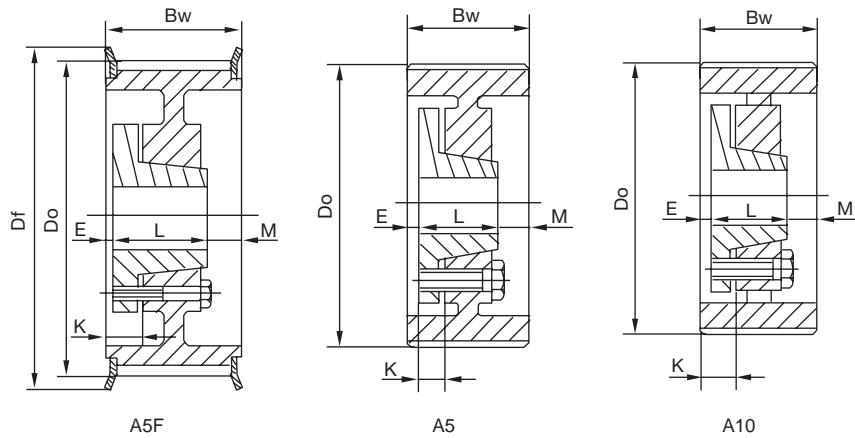
TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	170MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	E	K	L	M
4414MT170AF-E	44	E	7.720	7.610	A5F	7.375	8.307	2	2 7/8	2 5/8	2 3/4
4814MT170AF-E	48	E	8.421	8.311	A5F	7.375	9.449	2	2 7/16	2 5/8	2 3/4
5214MT170AF-F	52	F	9.123	9.013	A5F	7.375	10.079	1 7/16	2 7/16	3 5/8	2 5/16
5614MT170AF-F	56	F	9.825	9.715	A5F	7.375	10.433	1 7/16	2 1/8	3 5/8	2 5/16
6014MT170AF-J	60	J	10.527	10.417	A5F	7.375	11.260	15/16	2 1/8	4 1/2	1 15/16
6414MT170AF-J	64	J	11.229	11.119	A5F	7.375	11.654	15/16	2 1/8	4 1/2	1 15/16
6814MT170A-J	68	J	11.930	11.820	A5	7.375	-	15/16	2 1/8	4 1/2	1 15/16
7214MT170A-J	72	J	12.632	12.522	A5	7.375	-	15/16	2 1/8	4 1/2	1 15/16
8014MT170A-J	80	J	14.036	13.926	A5	7.375	-	15/16	2 1/8	4 1/2	1 15/16
9014MT170A-J	90	J	15.790	15.680	A5	7.375	-	15/16	2 1/8	4 1/2	1 15/16
11214MT170A-M	112	M	19.650	19.540	A10	7.375	-		1 7/16	6 3/4	5/8
14414MT170A-M	144	M	25.264	25.154	A10	7.375	-		1 7/16	6 3/4	5/8
16814MT170A-M	168	M	29.475	29.365	A10	7.375	-		1 7/16	6 3/4	5/8
19214MT170A-M	192	M	33.686	33.576	A10	7.375	-		1 7/16	6 3/4	5/8
21614MT170A-M	216	M	37.896	37.786	A10	7.375	-		1 7/16	6 3/4	5/8



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



## Introduction to Locking Type Pulleys

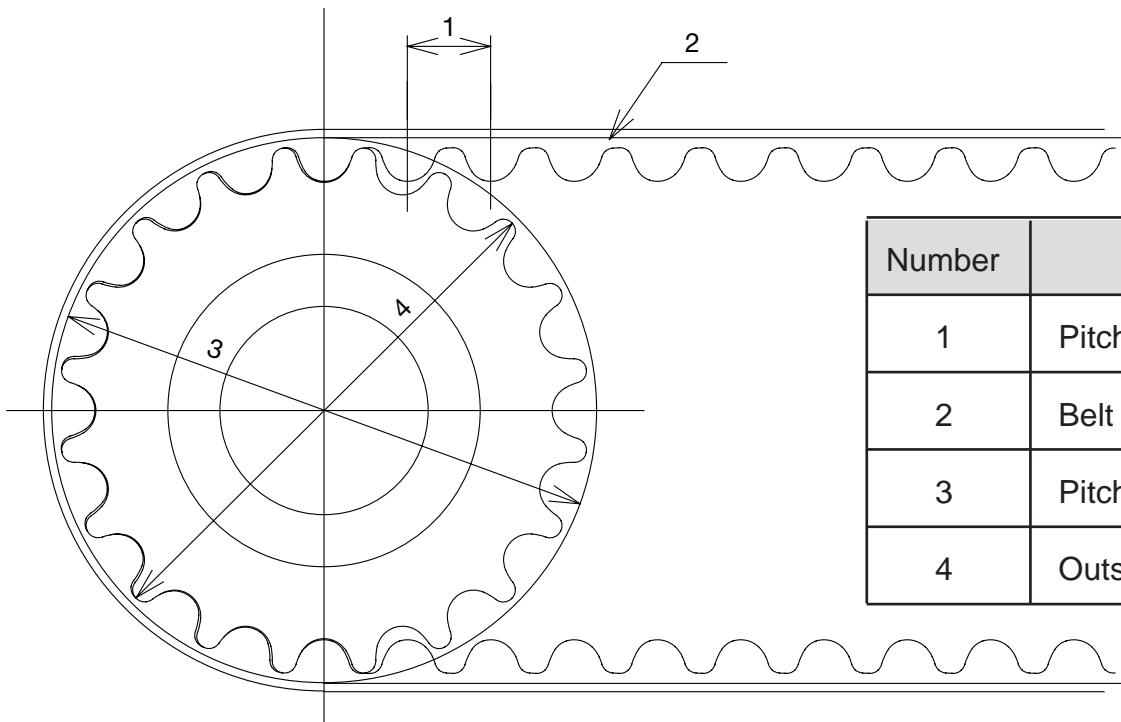


Tsubaki's exclusive Locking Type Pulley is a well-engineered, adjustable and affordable device that solves engineering and maintenance difficulties associated with other connection alternatives. The locking device has a shaft-to-hub friction connection that relies on concentric surface pressure to affix the pulley to a motor-driven shaft. It improves the connection of a drive component to a shaft. It helps to eliminate problems with keyway connections and limitations for QD and tapered bushings. This frictional, keyless system enables transmission of high-torque and axial loads, and accommodates reversing, dynamic or shock loading.

The locking type pulley allows for easy attachment of shaft to hub without time and money spent on machining or extra assembly labour. It connects hubs solidly to shafts, using a keyless mechanical interference fit to transmit torque or to withstand axial thrust. This mechanical interference fit utilizes screw tension in the locking device, converted into radial pressure. This pressure expands the locking device to eliminate the gap between the hub and the shaft. It uses the friction bond between the device and the shaft/hub to create a zero backlash connection. This connection is easily releasable to remove the mechanical interference fit.

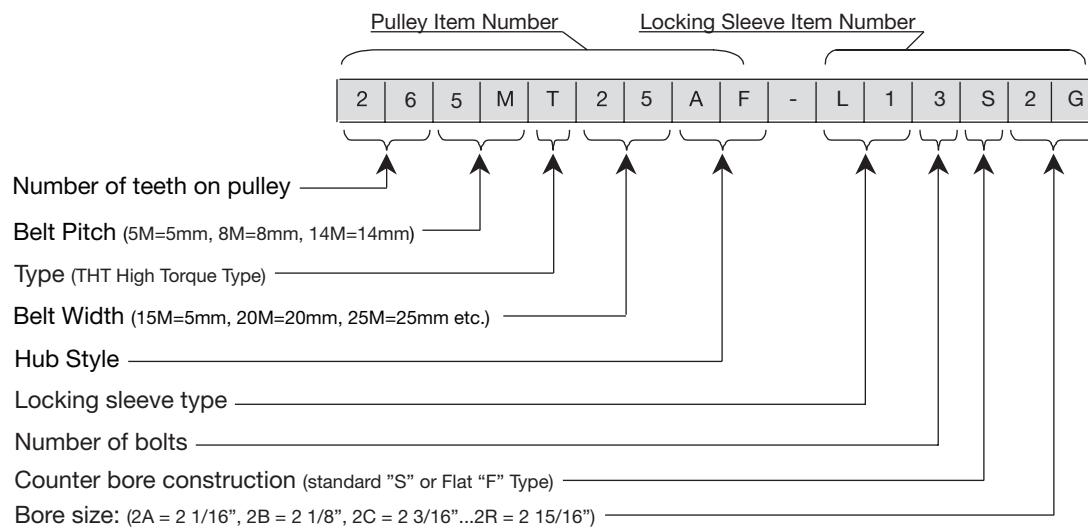
The contact pressures created using a locking device can be greater than traditional interference fit pressures, allowing for more torque to be transmitted or shorter hubs to be used. The easy installation also allows the hub to be positioned more accurately on the shaft, and can facilitate angular timing of the hub.





Number	Name
1	Pitch
2	Belt pitch line
3	Pitch diameter (Dp)
4	Outside diameter (Do)

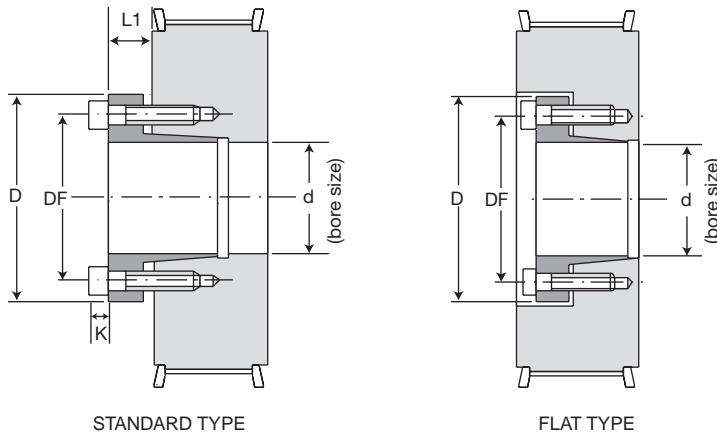
### How to Read Item Numbers:



## Locking Sleeve Bolt Torque and Dimensions

Locking Sleeve Type	Bolt Size (mm)	Bolt Torque (ft-lb)	D (inch)	DF (inch)	L1 (inch)	K (inch)
L1	M4	3	1.260	0.945	0.472	0.157
L2	M5	6	1.654	1.260	0.551	0.197
L3	M5	6	1.909	1.516	0.610	0.197
L4	M5	6	2.205	1.811	0.610	0.197
L5	M5	6	2.598	2.205	0.689	0.197
L6	M6	12	3.150	2.677	0.827	0.236
L7	M8	30	3.976	3.386	0.965	0.315

## Type of Locking Sleeve



# THT High Torque Locking Type Pulley



## Locking Type Pulley and Belt Technical Information

### Transmissible Force

Number of Locking bolts	Locking Sleeve Type	L1		
		7/16	1/2	5/8
3	Maximum Transmissible Torque (ft.-lb.)	35	41	51
	Minimum Hub Outside Diameter (in.)	1.1	1.1	1.1
4	Maximum Transmissible Torque (ft.-lb.)	47	54	67
	Minimum Hub Outside Diameter (in.)	1.3	1.3	1.3
6	Maximum Transmissible Torque (ft.-lb.)	-	-	101
	Minimum Hub Outside Diameter (in.)	-	-	1.7

Number of Locking bolts	Locking Sleeve Type	L2	
		5/8	3/4
3	Maximum Transmissible Torque (ft.-lb.)	82	98
	Minimum Hub Outside Diameter (in.)	1.6	1.6
4	Maximum Transmissible Torque (ft.-lb.)	109	131
	Minimum Hub Outside Diameter (in.)	1.6	1.6
6	Maximum Transmissible Torque (ft.-lb.)	-	196
	Minimum Hub Outside Diameter (in.)	-	2.0

Number of Locking bolts	Locking Sleeve Type	L3		
		7/8	15/16	1
3	Maximum Transmissible Torque (ft.-lb.)	114	122	131
	Minimum Hub Outside Diameter (in.)	1.7	1.7	1.7
4	Maximum Transmissible Torque (ft.-lb.)	153	163	174
	Minimum Hub Outside Diameter (in.)	1.9	1.9	1.9
6	Maximum Transmissible Torque (ft.-lb.)	229	247	257
	Minimum Hub Outside Diameter (in.)	2.2	2.2	2.2

Number of Locking bolts	Locking Sleeve Type	L4				
		15/16	1	1 1/8	1 1/4	1 3/8
4	Maximum Transmissible Torque (ft.-lb.)	196	218	240	145	160
	Minimum Hub Outside Diameter (in.)	2.0	2.0	2.0	2.0	2.0
6	Maximum Transmissible Torque (ft.-lb.)	294	327	359	217	241
	Minimum Hub Outside Diameter (in.)	2.2	2.2	2.2	2.2	2.2
8	Maximum Transmissible Torque (ft.-lb.)	392	435	479	289	321
	Minimum Hub Outside Diameter (in.)	2.5	2.5	2.5	2.5	2.5

## Locking Type Pulley and Belt Technical Information



## Transmissible Force

Number of Locking bolts	Locking Sleeve Type	L5				
		1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
5	Maximum Transmissible Torque (ft.-lb.)	299	313	327	354	381
	Minimum Hub Outside Diameter (in.)	2.5	2.5	2.5	2.5	2.5
6	Maximum Transmissible Torque (ft.-lb.)	359	375	392	425	457
	Minimum Hub Outside Diameter (in.)	2.6	2.6	2.6	2.6	2.6
8	Maximum Transmissible Torque (ft.-lb.)	479	501	523	566	610
	Minimum Hub Outside Diameter (in.)	2.8	2.8	2.8	2.8	2.8
10	Maximum Transmissible Torque (ft.-lb.)	599	626	653	707	762
	Minimum Hub Outside Diameter (in.)	-	3.0	3.0	3.0	3.0

Number of Locking bolts	Locking Sleeve Type	L6			
		1 7/8	1 15/16	2	2 3/16
6	Maximum Transmissible Torque (ft.-lb.)	816	844	871	953
	Minimum Hub Outside Diameter (in.)	3.2	3.2	3.2	3.2
8	Maximum Transmissible Torque (ft.-lb.)	1089	1125	1162	1270
	Minimum Hub Outside Diameter (in.)	3.5	64.9	64.9	64.9
10	Maximum Transmissible Torque (ft.-lb.)	1361	1407	1452	1588
	Minimum Hub Outside Diameter (in.)	3.8	3.8	3.8	3.8
12	Maximum Transmissible Torque (ft.-lb.)	1633	1688	1742	1905
	Minimum Hub Outside Diameter (in.)	4.2	4.2	4.2	4.2

Number of Locking bolts	Locking Sleeve Type	L7				
		2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
5	Maximum Transmissible Torque (ft.-lb.)	1504	1587	1629	1671	1838
	Minimum Hub Outside Diameter (in.)	4.1	4.1	4.1	4.1	4.1
6	Maximum Transmissible Torque (ft.-lb.)	1804	1904	1955	2005	2205
	Minimum Hub Outside Diameter (in.)	4.4	4.4	4.4	4.4	4.4
8	Maximum Transmissible Torque (ft.-lb.)	2406	2539	2607	2673	2941
	Minimum Hub Outside Diameter (in.)	4.9	4.9	4.9	4.9	4.9
10	Maximum Transmissible Torque (ft.-lb.)	3007	3174	3258	3341	3675
	Minimum Hub Outside Diameter (in.)	5.6	5.6	5.6	5.6	5.6

## THT High Torque Locking Type Pulley

TSUBAKI Innovation in Motion	TYPE	PITCH	DESCRIPTION	BELT WIDTH
	THT	5MM	HIGH TORQUE	15MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number						
			Bore Size (d)						
			7/16	1/2	5/8	3/4	7/8	15/16	1
265MT15AF	26	1.629	L13S	L13S	L13S				
285MT15AF	28	1.754	L13S	L13S	L13S				
305MT15AF	30	1.880	L13S	L13S	L13S	L23S			
325MT15AF	32	2.005	L13S	L13S	L13S	L23S			
365MT15AF	36	2.256	L13S	L13S	L13S	L23S	L33S	L33S	L33S
405MT15AF	40	2.506	L13S	L13S	L13S	L23S	L33S	L33S	L33S
445MT15AF	44	2.757	L13S	L13S	L13S	L23S	L33S	L33S	L33S
485MT15AF	48	3.008	L13S	L13S	L13S	L23S	L33S	L33S	L33S
605MT15AF	60	3.760		L13S	L13S	L23S	L33S	L33S	L33S
725MT15AF	72	4.511			L13S	L23S	L33S	L33S	L33S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number						
			Bore Size (d)						
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
265MT15AF	26	1.629							
285MT15AF	28	1.754							
305MT15AF	30	1.880							
325MT15AF	32	2.005							
365MT15AF	36	2.256							
405MT15AF	40	2.506	L44S	L44S	L44S				
445MT15AF	44	2.757	L44S	L44S	L44S				
485MT15AF	48	3.008	L44S	L44S	L44S	L55S	L55S	L55S	L55S
605MT15AF	60	3.760	L44S	L44S	L44S	L55S	L55S	L55S	L55S
725MT15AF	72	4.511	L44S	L44S	L44S	L55S	L55S	L55S	L55S



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# THT High Torque Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	5MM	HIGH TORQUE	25MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number						
			Bore Size (d)						
			7/16	1/2	5/8	3/4	7/8	15/16	1
265MT25AF	26	1.629	L13S	L13S	L13S				
285MT25AF	28	1.754	L13S	L13S	L13S				
305MT25AF	30	1.880	L13 S or F	L13 S or F	L13 S or F	L23S			
325MT25AF	32	2.005	L13 S or F	L13 S or F	L13 S or F	L23S			
365MT25AF	36	2.256	L13 S or F	L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
405MT25AF	40	2.506	L13 S or F	L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
445MT25AF	44	2.757	L13 S or F	L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
485MT25AF	48	3.008	L13 S or F	L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
605MT25AF	60	3.760		L13 S or F	L13 S or F	L23 S or F	L33S	L33S	L33S
725MT25AF	72	4.511			L13 S or F	L23 S or F	L33S	L33S	L33S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number						
			Bore Size (d)						
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4
265MT25AF	26	1.629							
285MT25AF	28	1.754							
305MT25AF	30	1.880							
325MT25AF	32	2.005							
365MT25AF	36	2.256							
405MT25AF	40	2.506	L44S	L44S	L44S				
445MT25AF	44	2.757	L44S	L44S	L44S				
485MT25AF	48	3.008	L44S	L44S	L44S	L55S	L55S	L55S	L55S
605MT25AF	60	3.760	L44S	L44S	L44S	L55S	L55S	L55S	L55S
725MT25AF	72	4.511	L44S	L44S	L44S	L55S	L55S	L55S	L55S



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# THT High Torque Locking Type Pulley



TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	20MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number									
			Bore Size (d)									
			1/2	5/8	3/4	7/8	15/16	1	1 1/8	1 1/4	1 3/8	1 7/16
248MT20AF	24	2.406	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S				
268MT20AF	26	2.607	L13 S or F	L13 S or F	L23S	L33S	L33S	L33S	L44S	L44S	L44S	
288MT20AF	28	2.807			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
308MT20AF	30	3.008			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
328MT20AF	32	3.208			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
348MT20AF	34	3.409			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
368MT20AF	36	3.609			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
388MT20AF	38	3.810			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
408MT20AF	40	4.010			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
448MT20AF	44	4.411			L23S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
488MT20AF	48	4.812			L24S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
568MT20AF	56	5.614			L24S	L33S	L33S	L33S	L44S	L44S	L44S	L55S
648MT20AF	64	6.416			L24S	L34S	L34S	L33S	L44S	L44S	L44S	L55S

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number											
			Bore Size (d)											
			1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
248MT20AF	24	2.406												
268MT20AF	26	2.607												
288MT20AF	28	2.807	L55S	L55S	L55S									
308MT20AF	30	3.008	L55S	L55S	L55S									
328MT20AF	32	3.208	L55S	L55S	L55S									
348MT20AF	34	3.409	L55S	L55S	L55S									
368MT20AF	36	3.609	L55S	L55S	L55S	L66S	L66S	L66S	L66S					
388MT20AF	38	3.810	L55S	L55S	L55S	L66S	L66S	L66S	L66S					
408MT20AF	40	4.010	L55S	L55S	L55S	L66S	L66S	L66S	L66S					
448MT20AF	44	4.411	L55S	L55S	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S
488MT20AF	48	4.812	L55S	L55S	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S
568MT20AF	56	5.614	L55S	L55S	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S
648MT20AF	64	6.416	L55S	L55S	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# THT High Torque Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	8MM	HIGH TORQUE	30MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number													
			Bore Size (d)													
			5/8	3/4	7/8	15/16	1	1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8			
248MT30AF	24	2.406	L24 S or F	L23 S or F	L33 S or F	L33S	L33S									
268MT30AF	26	2.607		L24 S or F	L33 S or F	L33 S or F	L33 S or F	L44S	L44S	L44S						
288MT30AF	28	2.807		L24 S or F	L34 S or F	L33 S or F	L33 S or F	L44S	L44S	L44S						
308MT30AF	30	3.008		L26 S or F	L34 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	L44 S or F	L55S	L55S	L55S			
328MT30AF	32	3.208		L26 S or F	L36 S or F	L34 S or F	L34 S or F	L44 S or F	L44 S or F	L44 S or F	L55S	L55S	L55S			
348MT30AF	34	3.409		L26 S or F	L36 S or F	L36 S or F	L36 S or F	L44 S or F	L44 S or F	L44 S or F	L55S	L55S	L55S			
368MT30AF	36	3.609			L36 S or F	L36 S or F	L36 S or F	L46 S or F	L44 S or F	L44 S or F	L55S	L55S	L55S			
388MT30AF	38	3.810				L36 S or F	L36 S or F	L46 S or F	L46 S or F	L44 S or F	L55S	L55S	L55S			
408MT30AF	40	4.010					L36 S or F	L36 S or F	L46 S or F	L46 S or F	L55S	L55S	L55S			
448MT30AF	44	4.411						L48 S or F	L48 S or F	L46 S or F	L46 S or F	L55S	L55S	L55S		
488MT30AF	48	4.812							L48 S or F	L48 S or F	L46 S or F	L46 S or F	L55S	L55S	L55S	
568MT30AF	56	5.614								L48 S or F	L48 S or F	L46 S or F	L56S	L56S	L56S	
648MT30AF	64	6.416									L48 S or F	L48 S or F	L58S	L58S	L56S	

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number											
			Bore Size (d)											
			1 3/4	1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4		
248MT30AF	24	2.406												
268MT30AF	26	2.607												
288MT30AF	28	2.807												
308MT30AF	30	3.008	L55S											
328MT30AF	32	3.208	L55S											
348MT30AF	34	3.409	L55S											
368MT30AF	36	3.609	L55S	L66S	L66S	L66S	L66S							
388MT30AF	38	3.810	L55S	L66S	L66S	L66S	L66S							
408MT30AF	40	4.010	L55S	L66S	L66S	L66S	L66S	L66S						
448MT30AF	44	4.411	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S	L75S	L75S
488MT30AF	48	4.812	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S	L75S	L75S
568MT30AF	56	5.614	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S	L75S	L75S
648MT30AF	64	6.416	L55S	L66S	L66S	L66S	L66S	L75S	L75S	L75S	L75S	L75S	L75S	L75S



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# THT High Torque Locking Type Pulley



TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	8MM	HIGH TORQUE	50MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number									
			Bore Size (d)									
			3/4	7/8	15/16	1	1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8
268MT50AF	26	2.607	L26 S or F	L36 S or F	L36 S or F	L36 S or F	L44S	L44S	L44S			
288MT50AF	28	2.807	L26 S or F	L36 S or F	L36 S or F	L36 S or F	L44S	L44S	L44S			
308MT50AF	30	3.008			L36 S or F	L36 S or F	L46 S or F	L46 S or F	L44S	L55S	L55S	L55S
328MT50AF	32	3.208			L48 S or F	L48 S or F	L46 S or F	L46 S or F	L55S	L55S	L55S	L55S
348MT50AF	34	3.409			L48 S or F	L48 S or F	L48 S or F	L46 S or F	L55 S or F	L55 S or F	L55 S or F	L55 S or F
368MT50AF	36	3.609					L48 S or F	L48 S or F	L56 S or F	L56 S or F	L55 S or F	L55 S or F
388MT50AF	38	3.810					L48 S or F	L48 S or F	L58 S or F	L56 S or F	L56 S or F	L56 S or F
408MT50AF	40	4.010						L48 S or F	L58 S or F	L58 S or F	L56 S or F	L56 S or F
448MT50AF	44	4.411							L48 S or F	L58 S or F	L58 S or F	L58 S or F
488MT50AF	48	4.812			L58 S or F	L66 S or F	L66 S or F	L66 S or F	L510 S or F	L510 S or F	L58 S or F	L58 S or F
568MT50AF	56	5.614			L66 S or F		L510 S or F	L510 S or F	L510 S or F			
648MT50AF	64	6.416			L66 S or F			L510 S or F	L510 S or F			

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number									
			Bore Size (d)									
			1 3/4	1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
268MT50AF	26	2.607										
288MT50AF	28	2.807										
308MT50AF	30	3.008	L55S									
328MT50AF	32	3.208	L55S									
348MT50AF	34	3.409	L55 S or F									
368MT50AF	36	3.609	L55 S or F	L66S	L66S	L66S	L66S					
388MT50AF	38	3.810	L56 S or F	L66S	L66S	L66S	L66S					
408MT50AF	40	4.010	L56 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F					
448MT50AF	44	4.411	L58 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
488MT50AF	48	4.812	L58 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
568MT50AF	56	5.614	L510 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
648MT50AF	64	6.416	L510 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F	L75 S or F				

 If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# THT High Torque Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	8MM	HIGH TORQUE	85MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number										
			Bore Size (d)										
			1 5/8	1 3/4	1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
348MT85AF	34	3.409	L58 S or F	L58 S or F									
368MT85AF	36	3.609	L510 S or F	L58 S or F	L66S	L66S	L66S	L66S					
388MT85AF	38	3.810	L510 S or F	L510 S or F	L66S	L66S	L66S	L66S					
408MT85AF	40	4.010		L510 S or F	L66 S or F	L66 S or F	L66 S or F	L66 S or F					
448MT85AF	44	4.411			L68 S or F	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
488MT85AF	48	4.812			L68 S or F	L68 S or F	L68 S or F	L66 S or F	L75 S or F				
568MT85AF	56	5.614			L68 S or F	L68 S or F	L68 S or F	L68 S or F	L75 S or F				
648MT85AF	64	6.416			L610 S or F	L610 S or F	L610 S or F	L68 S or F	L75 S or F				



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.

# THT High Torque Locking Type Pulley



TYPE	PITCH	DESCRIPTION	BELT WIDTH
THT	14MM	HIGH TORQUE	40MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number							
			Bore Size (d)							
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8
2814MT40AF	28	4.912	L46 S or F	L46 S or F	L46 S or F	L55 S or F	L66 S or F			
2914MT40AF	29	5.088	L46 S or F	L46 S or F	L46 S or F	L55 S or F	L66 S or F			
3014MT40AF	30	5.263	L48 S or F	L46 S or F	L46 S or F	L55 S or F	L66 S or F			
3214MT40AF	32	5.614	L48 S or F	L48 S or F	L46 S or F	L56 S or F	L56 S or F	L55 S or F	L55 S or F	L66 S or F
3414MT40AF	34	5.965	L48 S or F	L48 S or F	L48 S or F	L58 S or F	L56 S or F	L56 S or F	L55 S or F	L66 S or F
3614MT40AF	36	6.316		L48 S or F	L48 S or F	L58 S or F	L58 S or F	L56 S or F	L56 S or F	L66 S or F
3814MT40AF	38	6.667			L48 S or F	L58 S or F	L66 S or F			
4014MT40AF	40	7.018			L510 S or F	L510 S or F	L510 S or F	L58 S or F	L58 S or F	L66 S or F
4414MT40AF	44	7.720			L510 S or F	L58 S or F	L66 S or F			
4814MT40AF	48	8.421					L510 S or F	L510 S or F	L510 S or F	L66 S or F
5014MT40AF	50	8.751						L510 S or F	L510 S or F	L66 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number							
			Bore Size (d)							
			1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
2814MT40AF	28	4.912	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
2914MT40AF	29	5.088	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
3014MT40AF	30	5.263	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3214MT40AF	32	5.614	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3414MT40AF	34	5.965	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3614MT40AF	36	6.316	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3814MT40AF	38	6.667	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
4014MT40AF	40	7.018	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
4414MT40AF	44	7.720	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
4814MT40AF	48	8.421	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
5014MT40AF	50	8.751	L66 S or F	L66 S or F	L66 S or F	L75 S or F				



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# THT High Torque Locking Type Pulley

TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	14MM	HIGH TORQUE	55MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number							
			Bore Size (d)							
			1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8
2814MT55AF	28	4.912	L48 S or F	L48 S or F	L48 S or F	L58 S or F	L56 S or F	L56 S or F	L55 S or F	L66 S or F
2914NT55AF	29	5.088		L48 S or F	L48 S or F	L58 S or F	L58 S or F	L56 S or F	L56 S or F	L66 S or F
3014NT55AF	30	5.263			L48 S or F	L58 S or F	L58 S or F	L58 S or F	L56 S or F	L66 S or F
3214NT55AF	32	5.614			L510 S or F	L58 S or F	L58 S or F	L58 S or F	L58 S or F	L66 S or F
3414NT55AF	34	5.965			L510 S or F	L58 S or F	L66 S or F			
3614NT55AF	36	6.316				L510 S or F	L66 S or F			
3814NT55AF	38	6.667							L510 S or F	L66 S or F
4014NT55AF	40	7.018								L66 S or F
4414NT55AF	44	7.720								L68 S or F
4814NT55AF	48	8.421								L68 S or F
5014NT55AF	50	8.751								L68 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number							
			Bore Size (d)							
			1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
2814MT55AF	28	4.912	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
2914NT55AF	29	5.088	L66 S or F	L66 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
3014NT55AF	30	5.263	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3214NT55AF	32	5.614	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3414NT55AF	34	5.965	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3614NT55AF	36	6.316	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
3814NT55AF	38	6.667	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
4014NT55AF	40	7.018	L66 S or F	L66 S or F	L66 S or F	L75 S or F				
4414NT55AF	44	7.720	L68 S or F	L68 S or F	L66 S or F	L75 S or F				
4814NT55AF	48	8.421	L68 S or F	L68 S or F	L66 S or F	L75 S or F				
5014NT55AF	50	8.751	L68 S or F	L68 S or F	L68 S or F	L75 S or F				



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

## THT High Torque Locking Type Pulley

TSUBAKI Innovation in Motion	TYPE	PITCH	DESCRIPTION	BELT WIDTH
	THT	14MM	HIGH TORQUE	85MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number					
			Bore Size (d)					
			1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2
2814MT85AF	28	4.912	L510 S or F	L510 S or F	L510 S or F	L66 S or F	L66 S or F	L66 S or F
2914MT85AF	29	5.088		L510 S or F	L510 S or F	L66 S or F	L66 S or F	L66 S or F
3014MT85AF	30	5.263			L510 S or F	L66 S or F	L66 S or F	L66 S or F
3214MT85AF	32	5.614				L68 S or F	L66 S or F	L66 S or F
3414MT85AF	34	5.965				L68 S or F	L68 S or F	L68 S or F
3614MT85AF	36	6.316				L68 S or F	L68 S or F	L68 S or F
3814MT85AF	38	6.667				L610 S or F	L610 S or F	L610 S or F
4014MT85AF	40	7.018				L610 S or F	L610 S or F	L610 S or F
4414MT85AF	44	7.720				L612 S or F	L612 S or F	L610 S or F
4814MT85AF	48	8.421				L612 S or F	L612 S or F	L612 S or F
5014MT85AF	50	8.751						L612 S or F

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number					
			Bore Size (d)					
			2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
2814MT85AF	28	4.912	L66 S or F	L75S	L75S	L75S	L75S	L75S
2914MT85AF	29	5.088	L66 S or F	L75S	L75S	L75S	L75S	L75S
3014MT85AF	30	5.263	L66 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3214MT85AF	32	5.614	L66 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3414MT85AF	34	5.965	L66 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3614MT85AF	36	6.316	L68 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3814MT85AF	38	6.667	L68 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
4014MT85AF	40	7.018	L610 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
4414MT85AF	44	7.720	L610 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
4814MT85AF	48	8.421	L610 S or F	L76 S or F	L75 S or F			
5014MT85AF	50	8.751	L612 S or F	L76 S or F	L76 S or F	L76 S or F	L76 S or F	L75 S or F



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.

# THT High Torque Locking Type Pulley

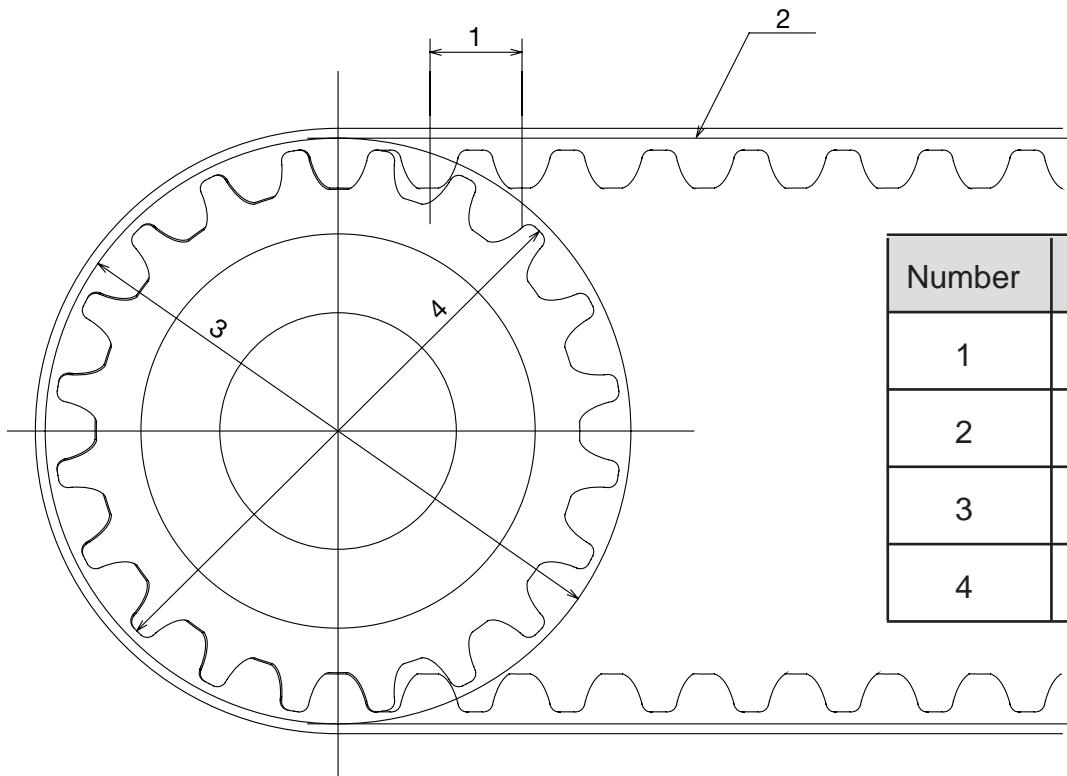
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI Innovation in Motion
THT	14MM	HIGH TORQUE	115MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Pitch Circle Diameter Dp	Locking Device Item Number								
			Bore Size (d)								
			1 7/8	1 15/16	2	2 3/16	2 1/4	2 3/8	2 7/16	2 1/2	2 3/4
2814MT115AF	28	4.912	L68 S or F	L68 S or F	L68 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
2914MT115AF	29	5.088	L68 S or F	L68 S or F	L68 S or F	L66 S or F	L75S	L75S	L75S	L75S	L75S
3014MT115AF	30	5.263	L68 S or F	L68 S or F	L68 S or F	L68 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3214MT115AF	32	5.614	L610 S or F	L610 S or F	L610 S or F	L68 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F	L75 S or F
3414MT115AF	34	5.965	L610 S or F	L610 S or F	L610 S or F	L610 S or F	L75 S or F				
3614MT115AF	36	6.316	L612 S or F	L612 S or F	L612 S or F	L610 S or F	L75 S or F				
3814MT115AF	38	6.667		L612 S or F	L612 S or F	L612 S or F	L76 S or F	L76 S or F	L76 S or F	L75 S or F	L75 S or F
4014MT115AF	40	7.018				L612 S or F	L78 S or F	L76 S or F	L76 S or F	L76 S or F	L75 S or F
4414MT115AF	44	7.720					L78 S or F	L76 S or F			
4814MT115AF	48	8.421					L78 S or F	L76 S or F			
5014MT115AF	50	8.751					L78 S or F				



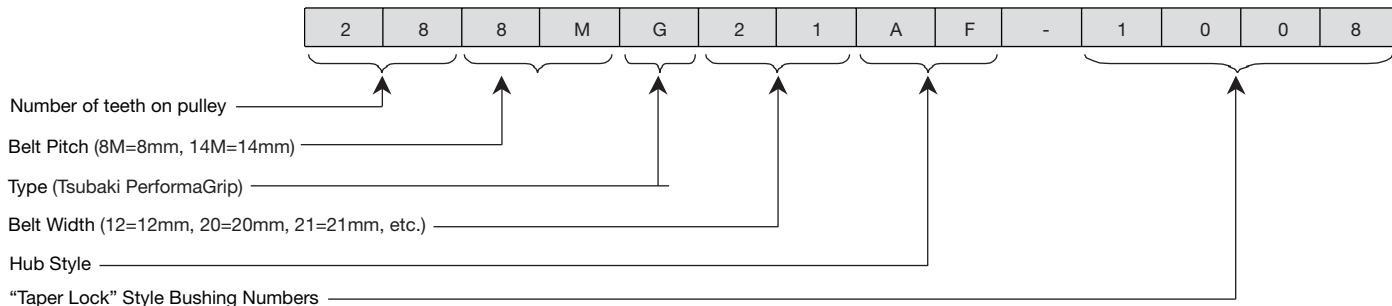
If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



Number	Name
1	Pitch
2	Belt pitch line
3	Pitch diameter (Dp)
4	Outside diameter (Do)



### How to Read Item Numbers:



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)

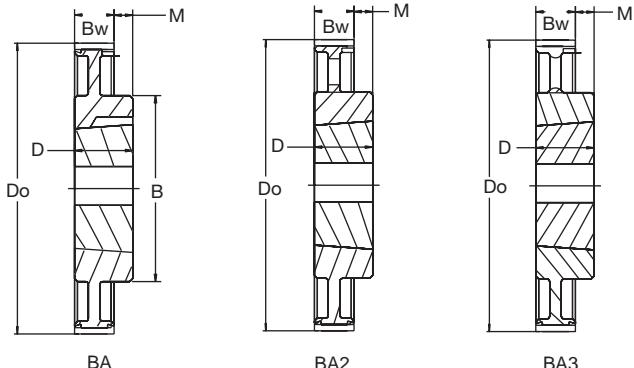
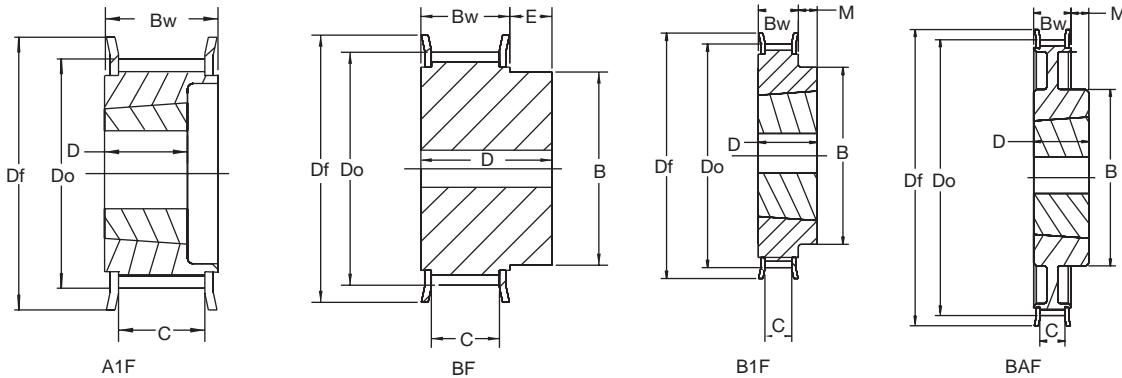
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI
TPG	8MM	TSUBAKI PERFORMAGRIP	12MM	Innovation in Motion

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	B	C	D	E	M	Weight (lbs.)	Flange Item Number
228MG12AF-1008	22	1008	2.206	2.143	A1F	0.875	2.402	-	0.60	0.88	-	-	0.4	SF16610450
228MG12BF	22	-	2.206	2.143	BF	0.875	2.402	1.79	0.57	1.31	0.46	-	1.0	SF16610450
258MG12AF-1108	25	1108	2.506	2.443	A1F	0.875	2.756	-	0.60	0.88	-	-	0.6	SF16700530
258MG12BF	25	-	2.506	2.443	BF	0.875	2.756	2.08	0.57	1.31	0.46	-	1.4	SF16700530
288MG12AF-1108	28	1108	2.807	2.744	A1F	0.875	3.150	-	0.60	0.88	-	-	0.9	SF16800600
288MG12BF	28	-	2.807	2.744	BF	0.875	3.150	2.34	0.57	1.31	0.46	-	1.8	SF16800600
308MG12AF-1108	30	1108	3.008	2.945	A1F	0.875	3.425	-	0.60	0.88	-	-	1.1	SF16870670
308MG12BF	30	-	3.008	2.945	BF	0.875	3.425	2.54	0.57	1.42	0.57	-	2.2	SF16870670
328MG12AF-1210	32	1210	3.208	3.145	B1F	0.875	3.583	2.64	0.72	1.00	-	0	1.2	SF16910730
328MG12BF	32	-	3.208	3.145	BF	0.875	3.583	2.73	0.57	1.42	0.57	-	2.5	SF16910730
348MG12AF-1610	34	1610	3.409	3.346	B1F	0.875	3.701	2.75	0.72	1.00	-	0	1.1	SF16940760
368MG12AF-1610	36	1610	3.609	3.546	B1F	0.875	4.016	3.01	0.72	1.00	-	0	1.4	SF161020825
388MG12AF-1610	38	1610	3.810	3.747	B1F	0.875	4.173	3.14	0.72	1.00	-	0	1.7	SF161060857
408MG12BF-2012	40	2012	4.010	3.947	B1F	0.875	4.409	3.56	0.57	1.25	-	0.40	1.7	SF161120910
428MG12BF-2012	42	2012	4.211	4.148	B1F	0.875	4.528	3.76	0.57	1.25	-	0.40	2.1	SF161150940
458MG12BF-2012	45	2012	4.511	4.448	B1F	0.875	4.843	3.76	0.57	1.25	-	0.40	2.6	SF1612301020
488MG12BF-2012	48	2012	4.812	4.749	B1F	0.875	5.157	3.76	0.57	1.25	-	0.40	3.4	SF1613101100
508MG12BF-2012	50	2012	5.013	4.950	B1F	0.875	5.315	3.76	0.57	1.25	-	0.40	3.7	SF1613501150
538MG12BF-2012	53	2012	5.314	5.251	B1F	0.875	5.669	3.76	0.57	1.25	-	0.40	4.7	SF1614401250
568MG12BF-2012	56	2012	5.614	5.551	B1F	0.875	5.984	3.76	0.57	1.25	-	0.40	5.4	SF1615201300
608MG12BF-2012	60	2012	6.015	5.952	B1F	0.875	6.614	3.76	0.57	1.25	-	0.40	6.3	SF1616801430
638MG12BF-2012	63	2012	6.316	6.253	BAF	0.875	6.614	4.00	0.57	1.25	-	0.40	4.1	SF1616801430
678MG12BF-2012	67	2012	6.717	6.654	BAF	0.875	7.087	4.00	0.57	1.25	-	0.40	4.3	SF1618001540
718MG12BF-2012	71	2012	7.118	7.055	BAF	0.875	7.559	4.00	0.57	1.25	-	0.40	4.7	SF1619201730
758MG12B-2012	75	2012	7.519	7.456	BA	0.875	-	4.00	-	1.25	-	0.40	5.1	-
808MG12B-2012	80	2012	8.020	7.957	BA	0.875	-	4.00	-	1.25	-	0.40	5.8	-
908MG12B-2012	90	2012	9.023	8.960	BA2	0.875	-	-	-	1.25	-	0.40	8.0	-
1128MG12B-2012	112	2012	11.229	11.166	BA2	0.875	-	-	-	1.25	-	0.40	12	-
1408MG12B-2012	140	2012	14.036	13.973	BA3	0.875	-	-	-	1.25	-	0.40	17	-
1808MG12B-2517	180	2517	18.046	17.983	BA3	0.875	-	-	-	1.75	-	0.90	27	-
2248MG12B-2517	224	2517	22.457	22.394	BA3	0.875	-	-	-	1.75	-	0.90	37	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)



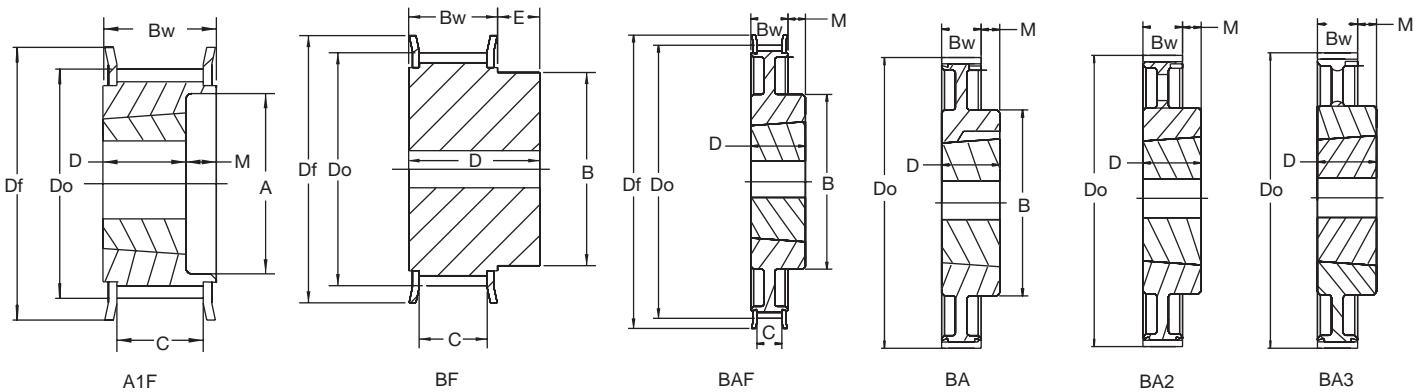
TYPE	PITCH	DESCRIPTION					BELT WIDTH		
		TPG	8MM	TSUBAKI PERFORMAGRIP					21MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>O</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
228MG21AF-1008	22	1008	2.206	2.143	A1F	1.200	2.400	1.63	-	0.92	0.88	-	0.33	0.6	SF16610450
228MG21BF	22	-	2.206	2.143	BF	1.200	2.400	-	1.65	0.92	1.65	0.45	-	1.3	SF16610450
258MG21AF-1108	25	1108	2.506	2.443	A1F	1.200	2.760	1.92	-	0.92	0.88	-	0.33	0.8	SF16700530
258MG21BF	25	-	2.506	2.443	BF	1.200	2.760	-	1.97	0.92	1.65	0.45	-	1.8	SF16700530
288MG21AF-1108	28	1108	2.807	2.744	A1F	1.200	3.150	2.18	-	0.92	0.88	-	0.33	1.0	SF16800600
288MG21BF	28	-	2.807	2.744	BF	1.200	3.150	-	2.24	0.92	1.65	0.45	-	2.3	SF16800600
308MG21AF-1108	30	1108	3.008	2.945	A1F	1.200	3.430	2.38	-	0.92	0.88	-	0.33	1.3	SF16870670
308MG21BF	30	-	3.008	2.945	BF	1.200	3.430	-	2.54	0.92	1.77	0.57	-	2.8	SF16870670
328MG21AF-1210	32	1210	3.208	3.145	A1F	1.200	3.580	2.58	-	0.92	1.00	-	0.20	1.4	SF16910730
328MG21BF	32	-	3.208	3.145	BF	1.200	3.580	-	2.73	0.92	1.77	0.57	-	3.2	SF16910730
348MG21AF-1610	34	1610	3.409	3.346	A1F	1.200	3.700	2.66	-	0.92	1.00	-	0.20	1.4	SF16940760
368MG21AF-1610	36	1610	3.609	3.546	A1F	1.200	4.020	2.96	-	0.92	1.00	-	0.20	1.6	SF161020825
388MG21AF-1610	38	1610	3.810	3.747	A1F	1.200	4.170	3.15	-	0.92	1.00	-	0.20	1.9	SF161060857
408MG21AF-2012	40	2012	4.010	3.947	A1F	1.200	4.410	-	-	0.97	1.25	-	0	2.0	SF161120910
428MG21AF-2012	42	2012	4.211	4.148	A1F	1.200	4.530	-	-	0.97	1.25	-	0	2.4	SF161150940
458MG21AF-2012	45	2012	4.511	4.448	A1F	1.200	4.840	-	-	0.97	1.25	-	0	3.0	SF1612301020
488MG21AF-2012	48	2012	4.812	4.749	A1F	1.200	5.160	-	-	0.97	1.25	-	0	3.7	SF1613101100
508MG21AF-2012	50	2012	5.013	4.950	A1F	1.200	5.310	-	-	0.97	1.25	-	0	4.2	SF1613501150
538MG21AF-2012	53	2012	5.314	5.251	A1F	1.200	5.670	-	-	0.97	1.25	-	0	5.0	SF1614401250
568MG21AF-2012	56	2012	5.614	5.551	A1F	1.200	5.980	-	-	0.97	1.25	-	0	5.8	SF1615201300
608MG21AF-2012	60	2012	6.015	5.952	A1F	1.200	6.610	-	-	0.97	1.25	-	0	6.9	SF1616801430
638MG21BF-2012	63	2012	6.316	6.253	BAF	1.200	6.610	-	3.76	0.92	1.25	-	0.05	4.1	SF1616801430
678MG21BF-2517	67	2517	6.717	6.654	BAF	1.200	7.090	-	4.50	0.92	1.75	-	0.55	5.7	SF1618001540
718MG21BF-2517	71	2517	7.118	7.055	BAF	1.200	7.560	-	4.50	0.92	1.75	-	0.55	6.1	SF1619201730
758MG21B-2517	75	2517	7.519	7.456	BA	1.200	-	-	4.50	-	1.75	-	0.55	6.5	-
808MG21B-2517	80	2517	8.020	7.957	BA	1.200	-	-	4.50	-	1.75	-	0.55	7.5	-
908MG21B-2517	90	2517	9.023	8.960	BA2	1.200	-	-	-	-	1.75	-	0.55	11	-
1128MG21B-2517	112	2517	11.229	11.166	BA2	1.200	-	-	-	-	1.75	-	0.55	16	-
1408MG21B-2517	140	2517	14.036	13.973	BA3	1.200	-	-	-	-	1.75	-	0.55	24	-
1808MG21B-3020	180	3020	18.046	17.983	BA3	1.200	-	-	-	-	2.00	-	0.80	39	-
2248MG21B-3020	224	3020	22.457	22.394	BA3	1.200	-	-	-	-	2.00	-	0.80	53	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)

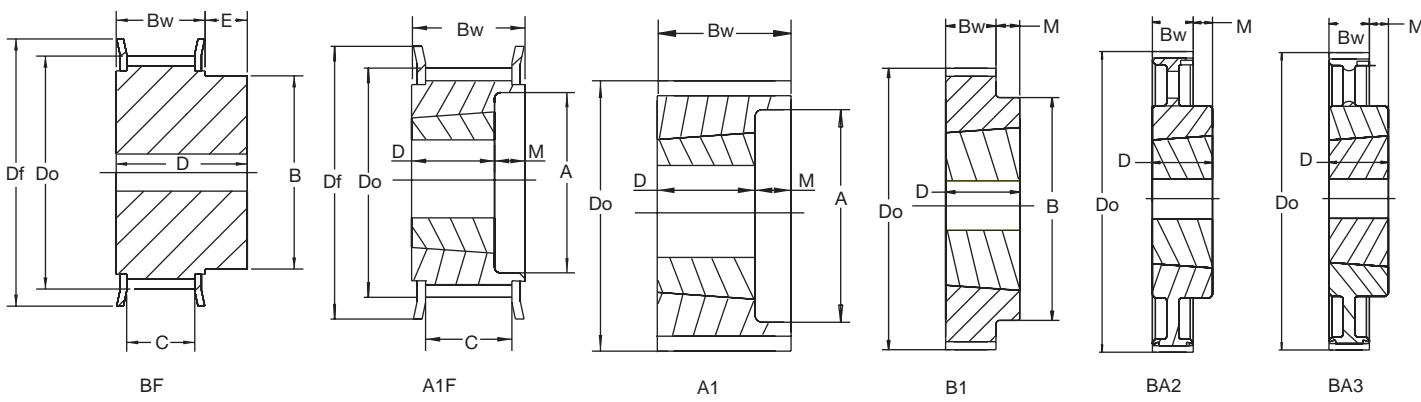
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI
TPG	8MM	TSUBAKI PERFORMAGRIP	36MM	Innovation in Motion

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
228MG36BF	22	-	2.206	2.143	BF	1.860	2.400	-	1.65	1.58	2.44	0.58	-	2.0	SF16610450
258MG36BF	25	-	2.506	2.443	BF	1.860	2.760	-	1.97	1.58	2.44	0.58	-	2.7	SF16700530
288MG36BF	28	-	2.807	2.744	BF	1.860	3.150	-	2.24	1.58	2.44	0.58	-	3.4	SF16800600
308MG36BF	30	-	3.008	2.945	BF	1.860	3.430	-	2.54	1.58	2.44	0.58	-	3.9	SF16870670
328MG36AF-1210	32	1210	3.208	3.145	A1F	1.860	3.580	2.58	-	1.58	1.00	-	0.86	1.7	SF16910730
328MG36BF	32	-	3.208	3.145	BF	1.860	3.580	-	2.73	1.58	2.44	0.58	-	4.5	SF16910730
348MG36AF-1610	34	1610	3.409	3.346	A1F	1.860	3.700	2.66	-	1.58	1.00	-	0.86	1.8	SF16940760
348MG36BF	34	-	3.409	3.346	BF	1.860	3.700	-	2.82	1.58	2.45	0.59	-	5.1	SF16940760
368MG36AF-1610	36	1610	3.609	3.546	A1F	1.860	4.020	2.96	-	1.58	1.00	-	0.86	2.1	SF161020825
368MG36BF	36	-	3.609	3.546	BF	1.860	4.020	-	3.13	1.58	2.51	0.65	-	5.9	SF161020825
388MG36AF-1610	38	1610	3.810	3.747	A1F	1.860	4.170	3.15	-	1.58	1.00	-	0.86	2.4	SF161060857
388MG36BF	38	-	3.810	3.747	BF	1.860	4.170	-	3.26	1.58	2.51	0.65	-	6.7	SF161060857
408MG36AF-2012	40	2012	4.010	3.947	A1F	1.860	4.410	3.35	-	1.58	1.25	-	0.61	2.5	SF161120910
428MG36AF-2012	42	2012	4.211	4.148	A1F	1.860	4.530	3.62	-	1.58	1.25	-	0.61	2.8	SF161150940
458MG36AF-2012	45	2012	4.511	4.448	A1F	1.860	4.840	3.62	-	1.58	1.25	-	0.61	3.8	SF1612301020
488MG36AF-2012	48	2012	4.812	4.749	A1F	1.860	5.160	4.14	-	1.58	1.25	-	0.61	4.3	SF1613101100
508MG36AF-2012	50	2012	5.013	4.950	A1F	1.860	5.310	4.13	-	1.58	1.25	-	0.61	5.1	SF1613501150
538MG36AF-2012	53	2012	5.314	5.251	A1F	1.860	5.670	4.76	-	1.58	1.25	-	0.61	5.5	SF1614401250
568MG36AF-2012	56	2012	5.614	5.551	A1F	1.860	5.980	4.92	-	1.58	1.25	-	0.61	6.5	SF1615201300
608MG36AF-2517	60	2517	6.015	5.952	A1F	1.860	6.610	5.13	-	1.58	1.75	-	0.11	8.9	SF1616801430
638MG36AF-2517	63	2517	6.316	6.253	A1F	1.860	6.610	5.71	-	1.58	1.75	-	0.11	10	SF1616801430
678MG36AF-2517	67	2517	6.717	6.654	A1F	1.860	7.090	5.98	4.25	1.58	1.75	-	0.11	6.5	SF1618001540
718MG36AF-2517	71	2517	7.118	7.055	A1F	1.860	7.560	6.39	4.25	1.58	1.75	-	0.11	7.0	SF1619201730
758MG36A-2517	75	2517	7.519	7.456	A1	1.860	-	6.79	4.25	-	1.75	-	0.11	7.3	-
808MG36B-3020	80	3020	8.020	7.957	B1	1.860	-	-	5.75	-	2.00	-	0.14	18	-
908MG36B-3020	90	3020	9.023	8.960	B1	1.860	-	-	5.75	-	2.00	-	0.14	24	-
1128MG36B-3020	112	3020	11.229	11.166	BA2	1.860	-	-	-	-	2.00	-	0.14	23	-
1408MG36B-3020	140	3020	14.036	13.973	BA3	1.860	-	-	-	-	2.00	-	0.14	36	-
1808MG36B-3020	180	3020	18.046	17.983	BA3	1.860	-	-	-	-	2.00	-	0.14	54	-
2248MG36B-3525	224	3525	22.457	22.394	BA3	1.860	-	-	-	-	2.50	-	0.14	91	-



If the timing pulley needed is  
not listed above, please contact  
Tsubaki for made-to-order  
custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)



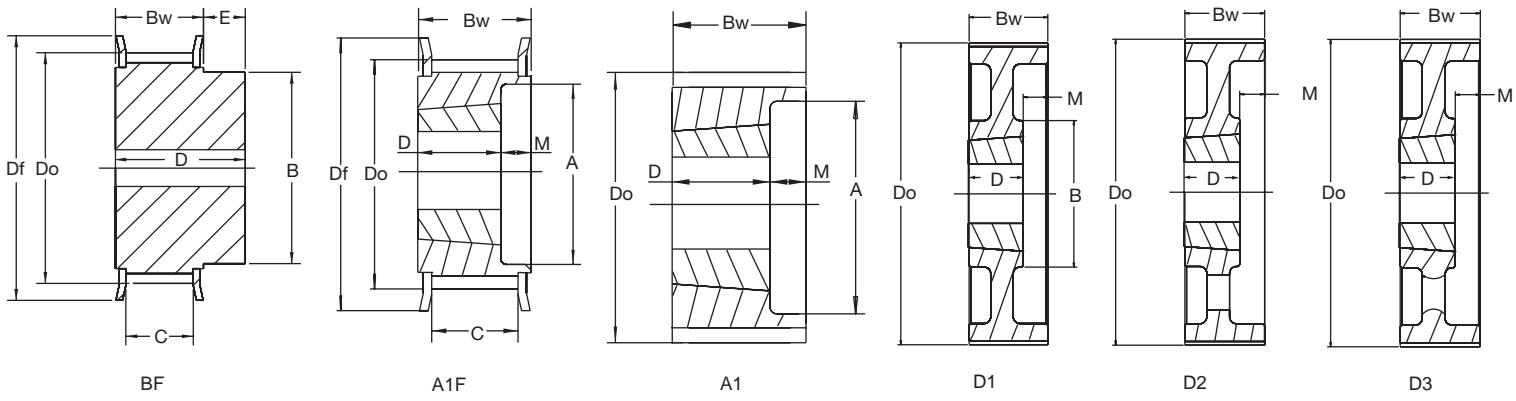
TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		TPG	8MM	TSUBAKI PERFORMAGRIP						62MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number	
228MG62BF	22	-	2.206	2.143	BF	2.910	2.400	-	1.653	2.63	3.56	0.65	-	2.4	SF16610450	
258MG62BF	25	-	2.506	2.443	BF	2.910	2.760	-	1.969	2.63	3.56	0.65	-	3.4	SF16700530	
288MG62BF	28	-	2.807	2.744	BF	2.910	3.150	-	2.244	2.63	3.56	0.65	-	4.5	SF16800600	
308MG62BF	30	-	3.008	2.945	BF	2.910	3.430	-	2.540	2.63	3.50	0.58	-	5.2	SF16870670	
328MG62BF	32	-	3.208	3.145	BF	2.910	3.580	-	2.730	2.63	3.50	0.59	-	6.1	SF16910730	
348MG62AF-1610	34	1610	3.409	3.346	A1F	2.910	3.700	2.66	-	2.63	1.00	-	1.91	2.6	SF16940760	
348MG62BF	34	-	3.409	3.346	BF	2.910	3.700	-	2.820	2.63	3.50	0.59	-	6.9	SF16940760	
368MG62AF-1610	36	1610	3.609	3.546	A1F	2.910	4.020	2.96	-	2.63	1.00	-	1.91	2.8	SF161020825	
368MG62BF	36	-	3.609	3.546	BF	2.910	4.020	-	3.130	2.63	3.56	0.65	-	8.0	SF161020825	
388MG62AF-1610	38	1610	3.810	3.747	A1F	2.910	4.170	3.15	-	2.63	1.00	-	1.91	3.1	SF161060857	
388MG62BF	38	-	3.810	3.747	BF	2.910	4.170	-	3.256	2.63	3.56	0.65	-	9.1	SF161060857	
408MG62AF-2012	40	2012	4.010	3.947	A1F	2.910	4.410	3.35	-	2.63	1.25	-	1.66	3.3	SF16120910	
408MG62BF	40	-	4.010	3.947	BF	2.910	4.410	-	3.465	2.63	3.63	0.72	-	10	SF161120910	
428MG62AF-2012	42	2012	4.211	4.148	A1F	2.910	4.530	3.62	-	2.63	1.25	-	1.66	3.6	SF161150940	
428MG62BF	42	-	4.211	4.148	BF	2.910	4.530	-	3.790	2.63	3.63	0.72	-	12	SF161150940	
458MG62AF-2012	45	2012	4.511	4.448	A1F	2.910	4.840	3.62	-	2.63	1.25	-	1.66	5.1	SF1612301020	
458MG62BF	45	-	4.511	4.448	BF	2.910	4.840	-	3.790	2.63	3.63	0.72	-	13	SF1612301020	
488MG62AF-2517	48	2517	4.812	4.749	A1F	2.910	5.160	-	-	2.63	1.75	-	1.16	5.1	SF1613101100	
508MG62AF-2517	50	2517	5.013	4.950	A1F	2.910	5.310	-	-	2.63	1.75	-	1.16	6.3	SF1613501150	
538MG62AF-2517	53	2517	5.314	5.251	A1F	2.910	5.670	-	-	2.63	1.75	-	1.16	6.7	SF1614401250	
568MG62AF-2517	56	2517	5.614	5.551	A1F	2.910	5.980	-	-	2.63	1.75	-	1.16	8.3	SF1615201300	
608MG62AF-3020	60	3020	6.015	5.952	A1F	2.910	6.610	-	-	2.63	2.00	-	0.91	8.9	SF1616801430	
638MG62AF-3020	63	3020	6.316	6.253	A1F	2.910	6.610	-	-	2.63	2.00	-	0.91	9.9	SF1616801430	
678MG62AF-3020	67	3020	6.717	6.654	A1F	2.910	7.090	-	-	2.63	2.00	-	0.91	12	SF1618001540	
718MG62AF-3020	71	3020	7.118	7.055	A1F	2.910	7.560	-	-	2.63	2.00	-	0.91	14	SF1619201730	
758MG62A-3020	75	3020	7.519	7.456	A1	2.910	-	-	-	-	2.00	-	0.91	17	-	
808MG62A-3020	80	3020	8.020	7.957	A1	2.910	-	-	-	-	2.00	-	0.91	21	-	
908MG62A-3020	90	3020	9.023	8.960	D1	2.910	-	-	-	5.420	-	2.00	-	0.91	30	-
1128MG62A-3020	112	3020	11.229	11.166	D2	2.910	-	-	-	-	2.00	-	0.91	31	-	
1408MG62A-3525	140	3525	14.036	13.973	D2	2.910	-	-	-	-	2.50	-	0.41	63	-	
1808MG62A-3525	180	3525	18.046	17.983	D3	2.910	-	-	-	-	2.50	-	0.41	92	-	
2248MG62A-3525	224	3525	22.457	22.394	D3	2.910	-	-	-	-	2.50	-	0.41	127	-	



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)

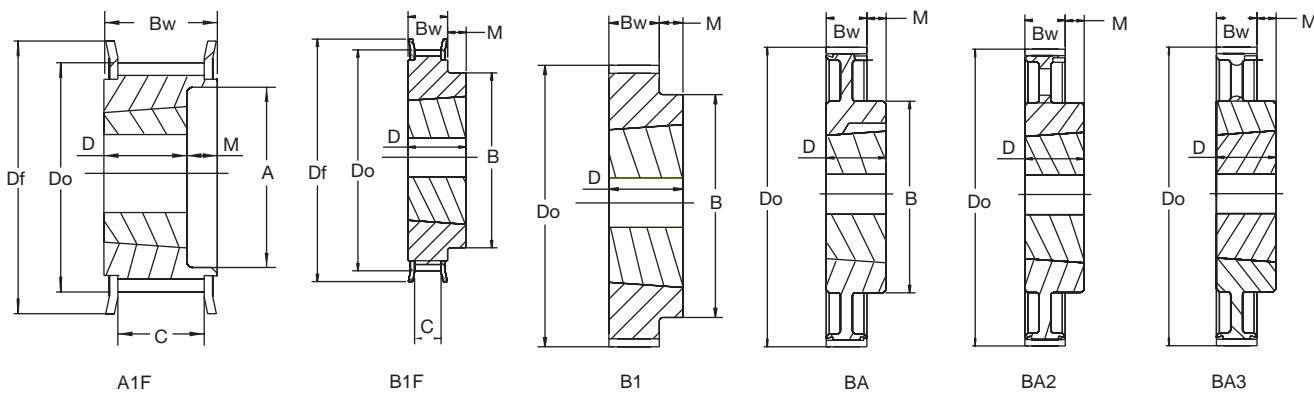
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI
TPG	14MM	TSUBAKI PERFORMAGRIP	20MM	Innovation in Motion

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	A	B	C	D	M	Weight (lbs.)	Flange Item Number
2814MG20AF-2012	28	2012	4.912	4.802	A1F	1.360	5.910	3.61	-	1.04	1.25	0.11	3.9	SF3015001070
2914MG20AF-2012	29	2012	5.088	4.978	A1F	1.360	5.910	3.99	-	1.04	1.25	0.11	4.3	SF3015001070
3014MG20AF-2012	30	2012	5.263	5.153	A1F	1.360	5.910	3.99	-	1.04	1.25	0.11	4.8	SF3015001070
3114MG20AF-2012	31	2012	5.439	5.329	A1F	1.360	5.910	4.22	-	1.04	1.25	0.11	5.3	SF3016801200
3214MG20AF-2012	32	2012	5.614	5.504	A1F	1.360	5.910	4.22	-	1.04	1.25	0.11	5.8	SF3016801200
3314MG20AF-2012	33	2012	5.790	5.680	A1F	1.360	6.610	4.53	-	1.04	1.25	0.11	6.3	SF3016801200
3414MG20AF-2012	34	2012	5.965	5.855	A1F	1.360	6.610	4.53	-	1.04	1.25	0.11	6.8	SF3016801200
3514MG20AF-2012	35	2012	6.141	6.031	A1F	1.360	6.610	4.95	-	1.04	1.25	0.11	7.3	SF3017501385
3614MG20BF-2517	36	2517	6.316	6.206	B1F	1.360	6.610	-	4.25	1.04	1.75	0.39	8.4	SF3017501385
3714MG20BF-2517	37	2517	6.492	6.382	B1F	1.360	6.890	-	4.25	1.04	1.75	0.39	9.3	SF3019201480
3814MG20BF-2517	38	2517	6.667	6.557	B1F	1.360	6.890	-	4.25	1.04	1.75	0.39	9.9	SF3019201480
3914MG20BF-2517	39	2517	6.842	6.732	B1F	1.360	7.560	-	4.25	1.04	1.75	0.39	11	SF3019201480
4014MG20BF-2517	40	2517	7.018	6.908	B1F	1.360	7.560	-	4.25	1.04	1.75	0.39	11	SF3020001570
4314MG20BF-2517	43	2517	7.544	7.434	B1F	1.360	7.560	-	4.25	1.04	1.75	0.39	14	SF3021101750
4514MG20BF-3020	45	3020	7.895	7.785	B1F	1.360	7.870	-	5.41	1.04	2.00	0.64	15	SF3021101750
4814MG20BF-3020	48	3020	8.421	8.311	B1F	1.360	8.310	-	5.75	1.04	2.00	0.64	18	SF3024001900
5014MG20BF-3020	50	3020	8.772	8.662	B1F	1.360	8.310	-	5.75	1.04	2.00	0.64	21	SF3024001900
5314MG20BF-3020	53	3020	9.299	9.189	B1F	1.360	9.450	-	5.75	1.04	2.00	0.64	24	SF3025602080
5614MG20BF-3525	56	3525	9.825	9.715	B1F	1.360	9.450	-	8.70	1.04	2.50	1.14	30	SF3026502300
6014MG20BF-3525	60	3525	10.527	10.417	B1F	1.360	10.080	-	8.75	1.04	2.50	1.14	37	SF3028602420
6314MG20BF-3525	63	3525	11.053	10.943	B1F	1.360	10.080	-	8.75	1.04	2.50	1.14	42	SF3029602520
6714MG20B-3525	67	3525	11.755	11.645	B1	1.360	11.260	-	8.75	-	2.50	1.14	50	-
7114MG20B-3525	71	3525	12.457	12.347	BA	1.360	11.650	-	8.75	-	2.50	1.14	41	-
7514MG20B-3525	75	3525	13.158	13.048	BA	1.360	-	-	8.75	-	2.50	1.14	42	-
8014MG20B-3525	80	3525	14.036	13.926	BA2	1.360	-	-	-	-	2.50	1.14	48	-
9014MG20B-3525	90	3525	15.790	15.680	BA2	1.360	-	-	-	-	2.50	1.14	54	-
11214MG20B-3525	112	3525	19.650	19.540	BA3	1.360	-	-	-	-	2.50	1.14	70	-
14014MG20B-3525	140	3525	24.562	24.452	BA3	1.360	-	-	-	-	2.50	1.14	95	-
16814MG20B-3525	168	3525	29.475	29.365	BA3	1.360	-	-	-	-	2.50	1.14	121	-
18014MG20B-3525	180	3525	31.580	31.470	BA3	1.360	-	-	-	-	2.50	1.14	135	-
20014MG20B-3525	200	3525	35.089	34.979	BA3	1.360	-	-	-	-	2.50	1.14	158	-
22414MG20B-4030	224	4030	39.300	39.190	BA3	1.360	-	-	-	-	3.00	1.64	201	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)



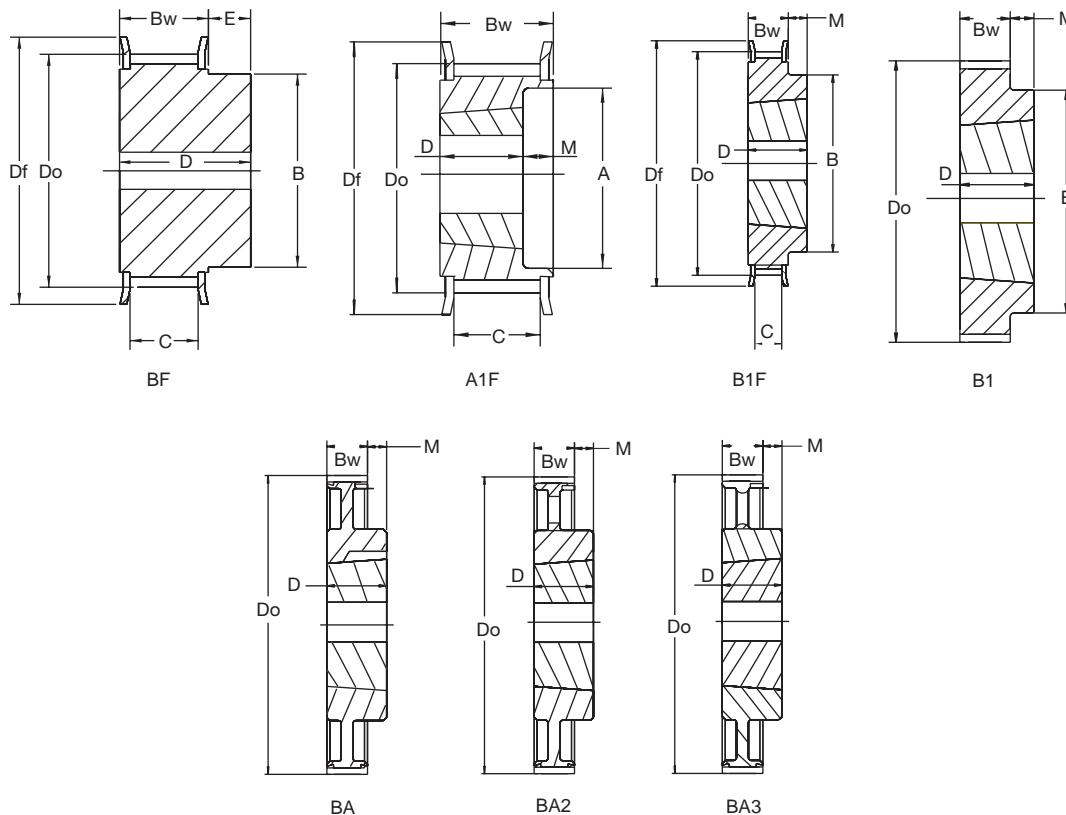
TYPE	PITCH	DESCRIPTION						BELT WIDTH		
		TPG	14MM	TSUBAKI PERFORMAGRIP						37MM

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter D <sub>p</sub>	Overall Outside Diameter D <sub>o</sub>	Hub Style	Tooth Width B <sub>w</sub>	Flange Diameter D <sub>f</sub>	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
2814MG37BF	28	-	4.912	4.802	BF	2.060	5.910	-	3.97	1.74	2.86	0.80	-	12	SF3015001070
2814MG37AF-2012	28	2012	4.912	4.802	A1F	2.060	5.910	3.61	-	1.74	1.25	-	0.81	5.2	SF3015001070
2914MG37AF-2517	29	2517	5.088	4.978	A1F	2.060	5.910	3.99	-	1.74	1.75	-	0.31	5.1	SF3015001070
3014MG37AF-2517	30	2517	5.263	5.153	A1F	2.060	5.910	3.99	-	1.74	1.75	-	0.31	5.8	SF3015001070
3114MG37AF-2517	31	2517	5.439	5.329	A1F	2.060	5.910	4.22	-	1.74	1.75	-	0.31	6.4	SF3016801200
3214MG37AF-2517	32	2517	5.614	5.504	A1F	2.060	5.910	4.22	-	1.74	1.75	-	0.31	7.2	SF3016801200
3314MG37AF-2517	33	2517	5.790	5.680	A1F	2.060	6.610	4.53	-	1.74	1.75	-	0.31	7.8	SF3016801200
3414MG37AF-2517	34	2517	5.965	5.855	A1F	2.060	6.610	4.53	-	1.74	1.75	-	0.31	8.7	SF3016801200
3514MG37AF-2517	35	2517	6.141	6.031	A1F	2.060	6.610	4.95	-	1.74	1.75	-	0.31	9.3	SF3017501385
3614MG37AF-2517	36	2517	6.316	6.206	A1F	2.060	6.610	4.95	-	1.74	1.75	-	0.31	10	SF3017501385
3714MG37AF-2517	37	2517	6.492	6.382	A1F	2.060	6.890	5.27	-	1.74	1.75	-	0.31	11	SF3019201480
3814MG37AF-3020	38	3020	6.667	6.557	A1F	2.060	6.890	5.27	-	1.74	2.00	-	0.06	10	SF3019201480
3914MG37AF-3020	39	3020	6.842	6.732	A1F	2.060	7.560	5.54	-	1.74	2.00	-	0.06	11	SF3019201480
4014MG37AF-3020	40	3020	7.018	6.908	A1F	2.060	7.560	5.54	-	1.74	2.00	-	0.06	12	SF3020001570
4314MG37AF-3020	43	3020	7.544	7.434	A1F	2.060	7.560	6.16	-	1.74	2.00	-	0.06	16	SF3021101750
4514MG37AF-3020	45	3020	7.895	7.785	A1F	2.060	7.870	6.42	-	1.74	2.00	-	0.06	18	SF3021101750
4814MG37AF-3020	48	3020	8.421	8.311	A1F	2.060	8.310	6.96	-	1.74	2.00	-	0.06	22	SF3024001900
5014MG37AF-3020	50	3020	8.772	8.662	A1F	2.060	8.310	7.44	-	1.74	2.00	-	0.06	24	SF3024001900
5314MG37AF-3020	53	3020	9.299	9.189	A1F	2.060	9.450	7.84	-	1.74	2.00	-	0.06	28	SF3025602080
5614MG37BF-3525	56	3525	9.825	9.715	B1F	2.060	9.450	-	8.70	1.74	2.50	-	0.44	33	SF3026502300
6014MG37BF-3525	60	3525	10.527	10.417	B1F	2.060	10.080	-	8.75	1.74	2.50	-	0.44	41	SF3028602420
6314MG37BF-3525	63	3525	11.053	10.943	B1F	2.060	10.430	-	8.75	1.74	2.50	-	0.44	47	SF3029602520
6714MG37B-3525	67	3525	11.755	11.645	B1	2.060	11.260	-	8.75	-	2.50	-	0.44	56	-
7114MG37B-3525	71	3525	12.457	12.347	B1	2.060	11.650	-	8.75	-	2.50	-	0.44	61	-
7514MG37B-3525	75	3525	13.158	13.048	BA	2.060	-	-	-	-	2.50	-	0.44	47	-
8014MG37B-3525	80	3525	14.036	13.926	BA2	2.060	-	-	-	-	2.50	-	0.44	53	-
9014MG37B-3525	90	3525	15.790	15.680	BA2	2.060	-	-	-	-	2.50	-	0.44	62	-
11214MG37B-3525	112	3525	19.650	19.540	BA3	2.060	-	-	-	-	2.50	-	0.44	89	-
14014MG37B-3525	140	3525	24.562	24.452	BA3	2.060	-	-	-	-	2.50	-	0.44	126	-
16814MG37B-4030	168	4030	29.475	29.365	BA3	2.060	-	-	-	-	3.00	-	0.94	175	-
18014MG37B-4030	180	4030	31.580	31.470	BA3	2.060	-	-	-	-	3.00	-	0.94	191	-
20014MG37B-4030	200	4030	35.089	34.979	BA3	2.060	-	-	-	-	3.00	-	0.94	225	-
22414MG37B-4030	224	4030	39.300	39.190	BA3	2.060	-	-	-	-	3.00	-	0.94	268	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)

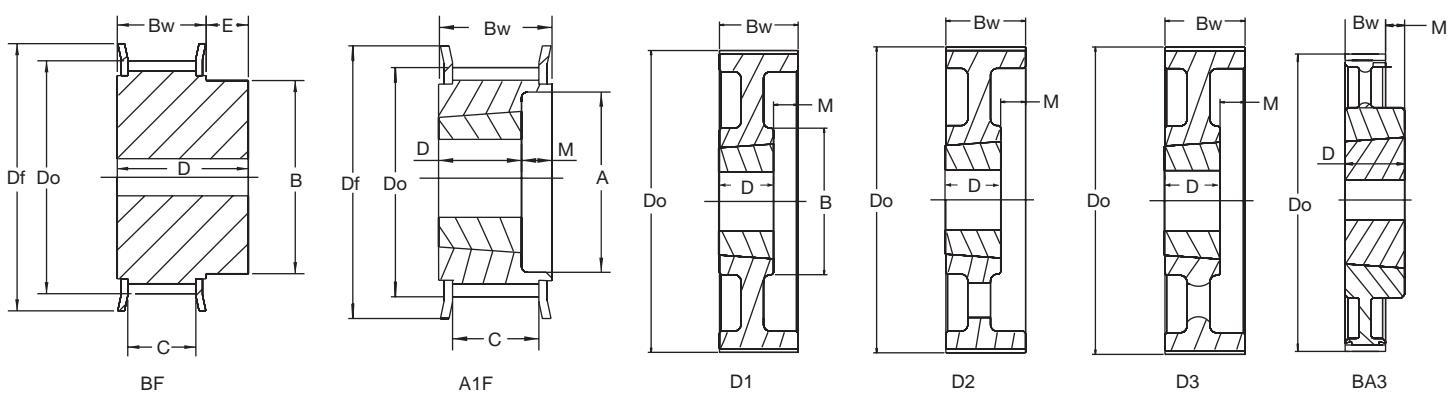
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI
TPG	14MM	TSUBAKI PERFORMAGRIP	68MM	Innovation in Motion

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
2814MG68BF	28	-	4.912	4.802	BF	3.330	5.910	-	3.97	3.01	4.13	0.80	-	17	SF3015001070
2914MG68AF-2517	29	2517	5.088	4.978	A1F	3.330	5.910	3.99	-	3.01	1.75	-	1.58	7.0	SF3015001070
2914MG68BF	29	-	5.088	4.978	BF	3.330	5.910	-	4.10	3.01	4.13	-	-	19	SF3015001070
3014MG68AF-2517	30	2517	5.263	5.153	A1F	3.330	5.910	3.99	-	3.01	1.75	-	1.58	8.2	SF3015001070
3014MG68BF	30	-	5.263	5.153	BF	3.330	5.910	-	4.10	3.01	4.13	0.80	-	20	SF3015001070
3114MG68AF-2517	31	2517	5.439	5.329	A1F	3.330	6.610	4.22	-	3.01	1.75	-	1.58	8.8	SF30168012?
3114MG68BF	31	-	5.439	5.329	BF	3.330	6.610	-	4.57	3.01	4.13	0.80	-	22	SF3016801200
3214MG68AF-2517	32	2517	5.614	5.504	A1F	3.330	6.610	4.22	-	3.01	1.75	-	1.58	10	SF3016801200
3214MG68BF	32	-	5.614	5.504	BF	3.330	6.610	-	4.57	3.01	4.13	0.80	-	23	SF3016801200
3314MG68AF-2517	33	2517	5.790	5.680	A1F	3.330	6.610	4.53	-	3.01	1.75	-	1.58	11	SF3016801200
3314MG68BF	33	-	5.790	5.680	BF	3.330	6.610	-	4.57	3.01	4.33	1.00	-	26	SF30168012?
3414MG68AF-2517	34	2517	5.965	5.855	A1F	3.330	6.610	4.53	-	3.01	1.75	-	1.58	12	SF3016801200
3414MG68BF	34	-	5.965	5.855	BF	3.330	6.610	-	4.57	3.01	4.33	1.00	-	27	SF3016801200
3414MG68AF-3020	35	3020	6.141	6.031	A1F	3.330	6.890	4.95	-	3.01	2.00	-	1.33	10	SF3017501385
3514MG68AF-3020	36	3020	6.316	6.206	A1F	3.330	6.890	4.95	-	3.01	2.00	-	1.33	12	SF3017501385
3714MG68AF-3020	37	3020	6.492	6.382	A1F	3.330	7.560	5.27	-	3.01	2.00	-	1.33	12	SF3019201480
3814MG68AF-3020	38	3020	6.667	6.557	A1F	3.330	7.560	5.27	-	3.01	2.00	-	1.33	14	SF3019201480
3914MG68AF-3020	39	3020	6.842	6.732	A1F	3.330	7.560	5.54	-	3.01	2.00	-	1.33	15	SF3019201480
4014MG68AF-3020	40	3020	7.018	6.908	A1F	3.330	7.870	5.54	-	3.01	2.00	-	1.33	16	SF30200001570
4314MG68AF-3020	43	3020	7.544	7.434	A1F	3.330	8.310	6.16	-	3.01	2.00	-	1.33	18	SF3021101750
4514MG68AF-3020	45	3020	7.895	7.785	A1F	3.330	8.310	6.42	-	3.01	2.00	-	1.33	22	SF3021101750
4814MG68AF-3525	48	3525	8.421	8.311	A1F	3.330	9.450	6.96	-	3.01	2.50	-	0.83	26	SF3024001900
5014MG68AF-3525	50	3525	8.772	8.662	A1F	3.330	9.450	7.44	-	3.01	2.50	-	0.83	29	SF3024001900
5314MG68AF-3525	53	3525	9.299	9.189	A1F	3.330	10.080	7.84	-	3.01	2.50	-	0.83	34	SF3025602080
5614MG68AF-3525	56	3525	9.825	9.715	A1F	3.330	10.430	8.35	-	3.01	2.50	-	0.83	39	SF3026502300
6014MG68AF-3525	60	3525	10.527	10.417	A1F	3.330	11.260	9.06	-	3.01	2.50	-	0.83	46	SF3028602420
6314MG68AF-3525	63	3525	11.053	10.943	A1F	3.330	11.650	9.59	-	3.01	2.50	-	0.83	52	SF3029602520
6714MG68A-3525	67	3525	11.755	11.645	D1	3.330	-	-	8.75	-	2.50	-	0.83	56	-
7114MG68A-3525	71	3525	12.457	12.347	D1	3.330	-	-	8.75	-	2.50	-	0.83	64	-
7514MG68A-3525	75	3525	13.158	13.048	D1	3.330	-	-	8.75	-	2.50	-	0.83	57	-
8014MG68A-3525	80	3525	14.036	13.926	D2	3.330	-	-	-	-	2.50	-	0.83	62	-
9014MG68A-4030	90	4030	15.790	15.680	D2	3.330	-	-	-	-	3.00	-	0.33	86	-
11214MG68A-4030	112	4030	19.650	19.540	D3	3.330	-	-	-	-	3.00	-	0.33	135	-
14014MG68A-4030	140	4030	24.562	24.452	D3	3.330	-	-	-	-	3.00	-	0.33	189	-
16814MG68B-4535	168	4535	29.475	29.365	BA3	3.330	-	-	-	-	3.50	-	0.17	260	-
18014MG68B-4535	180	4535	31.580	31.470	BA3	3.330	-	-	-	-	3.50	-	0.17	289	-
20014MG68B-4535	200	4535	35.089	34.979	BA3	3.330	-	-	-	-	3.50	-	0.17	332	-
22414MG68B-5040	224	5040	39.300	39.190	BA3	3.330	-	-	-	-	4.00	-	0.67	404	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)



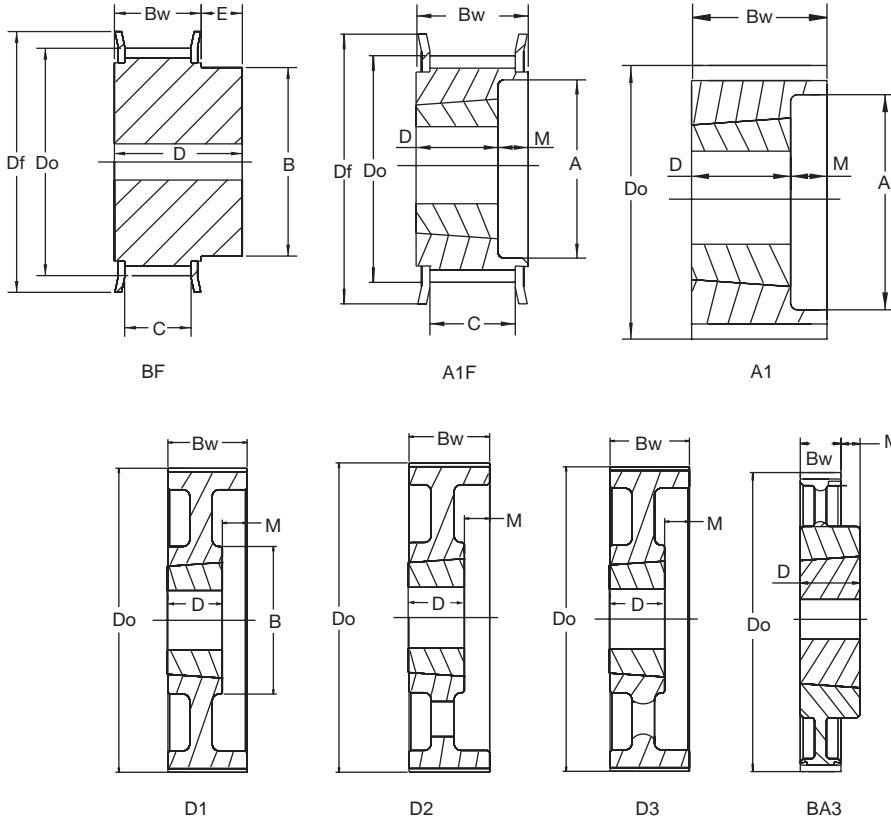
TYPE	PITCH	DESCRIPTION						BELT WIDTH			
		TPG	14MM	TSUBAKI PERFORMAGRIP						90MM	

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
2814MG90BF	28	-	4.912	4.802	BF	4.200	5.910	-	3.97	3.88	5.14	0.94	-	20	SF3015001070
2914MG90BF	29	-	5.088	4.978	BF	4.200	5.910	-	4.10	3.88	5.00	0.80	-	22	SF3015001070
3014MG90BF	30	-	5.263	5.153	BF	4.200	5.910	-	4.10	3.88	5.00	0.80	-	24	SF3015001070
3114MG90BF	31	-	5.439	5.329	BF	4.200	6.610	-	4.57	3.88	5.00	0.80	-	26	SF3016801200
3214MG90BF	32	-	5.614	5.504	BF	4.200	6.610	-	4.57	3.88	5.00	0.80	-	27	SF3016801200
3314MG90BF	33	-	5.790	5.680	BF	4.200	6.610	-	4.57	3.88	5.20	1.00	-	30	SF3016801200
3414MG90BF	34	-	5.965	5.855	BF	4.200	6.610	-	4.57	3.88	5.20	1.00	-	32	SF3016801200
3514MG90AF-3020	35	3020	6.141	6.031	A1F	4.200	6.890	4.95	-	3.88	2.00	-	2.20	12	SF3017501385
3514MG90BF	35	-	6.141	6.031	BF	4.200	6.890	-	5.30	3.88	5.20	1.00	-	35	SF3017501385
3614MG90AF-3020	36	3020	6.316	6.206	A1F	4.200	6.890	4.95	-	3.88	2.00	-	2.20	14	SF3017501385
3614MG90BF	36	-	6.316	6.206	BF	4.200	6.890	-	5.30	3.88	5.20	1.00	-	36	SF3017501385
3714MG90AF-3020	37	3020	6.492	6.382	A1F	4.200	7.560	5.27	-	3.88	2.00	-	2.20	14	SF3019201480
3714MG90BF	37	-	6.492	6.382	BF	4.200	7.560	-	5.63	3.88	5.20	1.00	-	39	SF3019201480
3814MG90AF-3020	38	3020	6.667	6.557	A1F	4.200	7.560	5.27	-	3.88	2.00	-	2.20	16	SF3019201480
3814MG90BF	38	-	6.667	6.557	BF	4.200	7.560	-	5.63	3.88	5.20	1.00	-	41	SF3019201480
3914MG90AF-3020	39	3020	6.842	6.732	A1F	4.200	7.560	5.54	-	3.88	2.00	-	2.20	17	SF3019201480
3914MG90BF	39	-	6.842	6.732	BF	4.200	7.560	-	5.71	3.88	5.20	1.00	-	44	SF3019201480
4014MG90AF-3020	40	3020	7.018	6.908	A1F	4.200	7.870	5.54	-	3.88	2.00	-	2.20	19	SF3020001570
4014MG90BF	40	-	7.018	6.908	BF	4.200	7.870	-	5.89	3.88	5.20	1.00	-	46	SF3020001570
4314MG90AF-3525	43	3525	7.544	7.434	A1F	4.200	8.310	6.16	-	3.88	2.50	-	1.70	21	SF3021101750
4514MG90AF-3525	45	3525	7.895	7.785	A1F	4.200	8.310	6.42	-	3.88	2.50	-	1.70	24	SF3021101750
4814MG90AF-3525	48	3525	8.421	8.311	A1F	4.200	9.450	6.96	-	3.88	2.50	-	1.70	29	SF3024001900
5014MG90AF-3525	50	3525	8.772	8.662	A1F	4.200	9.450	7.44	-	3.88	2.50	-	1.70	32	SF3024001900
5314MG90AF-3525	53	3525	9.299	9.189	A1F	4.200	10.080	7.83	-	3.88	2.50	-	1.70	37	SF3025602080
5614MG90AF-4030	56	4030	9.825	9.715	A1F	4.200	10.430	8.35	-	3.88	3.00	-	1.20	43	SF3026502300
6014MG90AF-4030	60	4030	10.527	10.417	A1F	4.200	11.260	9.06	-	3.88	3.00	-	1.20	52	SF3028602420
6314MG90AF-4030	63	4030	11.053	10.943	A1F	4.200	11.650	9.59	-	3.88	3.00	-	1.20	59	SF3029602520
6714MG90A-4030	67	4030	11.755	11.645	A1	4.200	-	9.88	-	-	3.00	-	1.20	71	-
7114MG90A-4030	71	4030	12.457	12.347	A1	4.200	-	10.67	-	-	3.00	-	1.20	82	-
7514MG90A-4030	75	4030	13.158	13.048	A1	4.200	-	11.63	-	-	3.00	-	1.20	96	-
8014MG90A-4030	80	4030	14.036	13.926	D1	4.200	-	-	10.00	-	3.00	-	1.20	94	-
9014MG90A-4030	90	4030	15.790	15.680	D2	4.200	-	-	-	-	3.00	-	1.20	95	-
11214MG90A-4535	112	4535	19.650	19.540	D2	4.200	-	-	-	-	3.50	-	0.70	174	-
14014MG90A-5040	140	5040	24.562	24.452	D3	4.200	-	-	-	-	4.00	-	0.20	245	-
16814MG90B-6050	168	6050	29.475	29.365	BA3	4.200	-	-	-	-	5.00	-	0.80	395	-
18014MG90B-6050	180	6050	31.580	31.470	BA3	4.200	-	-	-	-	5.00	-	0.80	429	-
20014MG90B-6050	200	6050	35.089	34.979	BA3	4.200	-	-	-	-	5.00	-	0.80	493	-
22414MG90B-6050	224	6050	39.300	39.190	BA3	4.200	-	-	-	-	5.00	-	0.80	563	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.



# PerformaGrip High Performance Type Pulley (Stock Bore and "Taper Lock" style bushing)

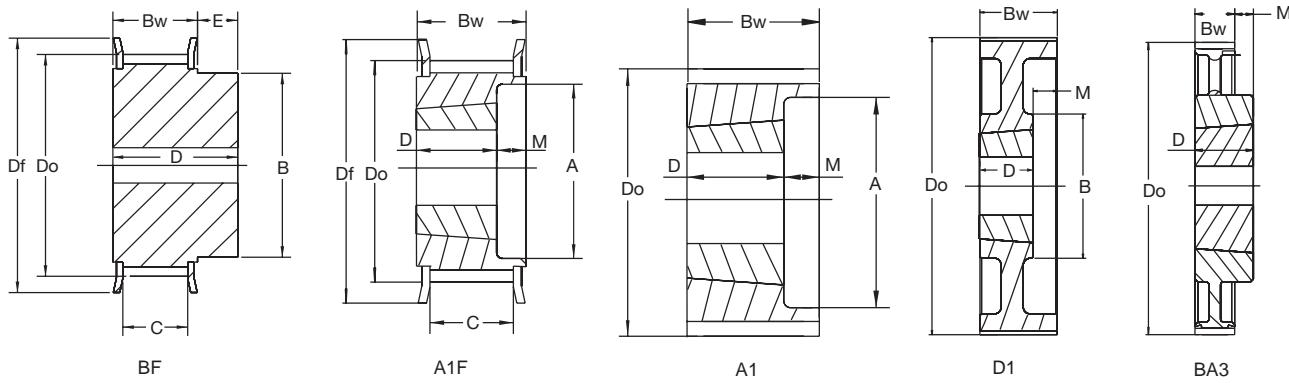
TYPE	PITCH	DESCRIPTION	BELT WIDTH	TSUBAKI
TPG	14MM	TSUBAKI PERFORMAGRIP	125MM	Innovation in Motion

All dimensions in inches unless otherwise stated.

Item Number	Number of Teeth	Bushing	Pitch Circle Diameter Dp	Overall Outside Diameter Do	Hub Style	Tooth Width Bw	Flange Diameter Df	A	B	C	D	E	M	Weight (lbs.)	Flange Item Number
2814MG125BF	28	-	4.912	4.802	BF	5.610	5.910	-	3.97	5.29	6.50	0.89	-	25	SF3015001070
2914MG125BF	29	-	5.088	4.978	BF	5.610	5.910	-	4.10	5.29	6.50	0.89	-	27	SF3015001070
3014MG125BF	30	-	5.263	5.153	BF	5.610	5.910	-	4.10	5.29	6.50	0.89	-	29	SF3015001070
3114MG125BF	31	-	5.439	5.329	BF	5.610	6.610	-	4.57	5.29	6.50	0.89	-	32	SF3016801200
3214MG125BF	32	-	5.614	5.504	BF	5.610	6.610	-	4.57	5.29	6.50	0.89	-	34	SF3016801200
3314MG125BF	33	-	5.790	5.680	BF	5.610	6.610	-	4.89	5.29	6.69	1.08	-	37	SF3016801200
3414MG125BF	34	-	5.965	5.855	BF	5.610	6.610	-	4.89	5.29	6.69	1.08	-	40	SF3016801200
3514MG125BF	35	-	6.141	6.031	BF	5.610	6.890	-	5.30	5.29	6.69	1.08	-	43	SF3017501385
3614MG125BF	36	-	6.316	6.206	BF	5.610	6.890	-	5.30	5.29	6.69	1.08	-	45	SF3017501385
3714MG125BF	37	-	6.492	6.382	BF	5.610	7.560	-	5.63	5.29	6.69	1.08	-	49	SF3019201480
3814MG125BF	38	-	6.667	6.557	BF	5.610	7.560	-	5.63	5.29	6.69	1.08	-	51	SF3019201480
3914MG125BF	39	-	6.842	6.732	BF	5.610	7.560	-	5.71	5.29	6.69	1.08	-	54	SF3019201480
4014MG125BF	40	-	7.018	6.908	BF	5.610	7.870	-	5.89	5.29	6.69	1.08	-	57	SF3020001570
4314MG125BF	43	-	7.544	7.434	BF	5.610	8.310	-	6.51	5.29	6.81	1.20	-	68	SF3021101750
4514MG125BF	45	-	7.895	7.785	BF	5.610	8.310	-	6.76	5.29	6.81	1.20	-	75	SF3021101750
4814MG125BF	48	-	8.421	8.311	BF	5.610	9.450	-	7.29	5.29	6.81	1.20	-	86	SF3024001900
5014MG125AF-4535	50	4535	8.772	8.662	A1F	5.610	9.450	7.44	-	5.29	3.50	-	2.11	38	SF3024001900
5314MG125AF-4535	53	4535	9.299	9.189	A1F	5.610	10.080	7.83	-	5.29	3.50	-	2.11	46	SF3025602080
5614MG125AF-4535	56	4535	9.825	9.715	A1F	5.610	10.430	8.35	-	5.29	3.50	-	2.11	54	SF3026502300
6014MG125AF-4535	60	4535	10.527	10.417	A1F	5.610	11.260	9.06	-	5.29	3.50	-	2.11	64	SF3028602420
6314MG125AF-4535	63	4535	11.053	10.943	A1F	5.610	11.650	9.59	-	5.29	3.50	-	2.11	73	SF3029602520
6714MG125A-4535	67	4535	11.755	11.645	A1	5.610	-	9.88	-	-	3.50	-	2.11	88	-
7114MG125A-5040	71	5040	12.457	12.347	A1	5.610	-	10.67	-	-	4.00	-	1.61	103	-
7514MG125A-5040	75	5040	13.158	13.048	A1	5.610	-	11.63	-	-	4.00	-	1.61	117	-
8014MG125A-5040	80	5040	14.036	13.926	A1	5.610	-	12.59	-	-	4.00	-	1.61	136	-
9014MG125A-5040	90	5040	15.790	15.680	D1	5.610	-	-	11.00	-	4.00	-	1.61	135	-
11214MG125A-6050	112	6050	19.650	19.540	A1	5.610	-	16.35	-	-	5.00	-	0.61	317	-
14014MG125A-6050	140	6050	24.562	24.452	D1	5.610	-	-	15.50	-	5.00	-	0.61	373	-
16814MG125B-7060	168	7060	29.475	29.365	BA3	5.610	-	-	-	-	6.00	-	0.39	524	-
18014MG125B-7060	180	7060	31.580	31.470	BA3	5.610	-	-	-	-	6.00	-	0.39	567	-
20014MG125B-7060	200	7060	35.089	34.979	BA3	5.610	-	-	-	-	6.00	-	0.39	648	-
22414MG125B-7060	224	7060	39.300	39.190	BA3	5.610	-	-	-	-	6.00	-	0.39	753	-



If the timing pulley needed is not listed above, please contact Tsubaki for made-to-order custom timing pulleys.





## Maintenance Seminar

Tsubaki offers free maintenance seminars that help you to get the most out of your maintenance dollar. Topics covered during the seminar include the following: chain, pulley and sprocket basics, identifying chain, pulleys and sprockets, what makes a good power transmission product, troubleshooting and correcting common installation problems, proper lubrication methods, etc. The seminar is another value added service provided by Tsubaki to help reduce maintenance costs and to help keep your applications running smoothly. For more information or to schedule a seminar, call us at 1-800-263-7088 or email certifiedtsubaki@tsubaki.ca.





Tsubaki Advantage is a life cycle cost savings program that is available over the internet. Tsubaki's sales representatives can use the Tsubaki Advantage program to provide measurable evidence of life cycle cost comparisons between Tsubaki and competitive power transmission products in actual customer applications. The cost comparisons take into consideration such factors as: product cost, replacement time, cost of lubrication, downtime costs and installation labour. These factors are measured over the life of the power transmission product installation. This is a tool to share best practices; and so the results are easily transferable to other factories in Canada or anywhere in the world. Cost savings can be documented on an individual location, at a national or even on a global basis. Ask your Tsubaki representative how you can gain the Tsubaki Avantage!



These Terms and Conditions of Sale and, where applicable, the quotation, sales order confirmation, invoice and all documents incorporated expressly by reference therein shall constitute the entire agreement governing the sale of the Seller's products (the "Contract").

## PRICE-PAYMENT

The prices stated are those in effect on the date hereof and are subject to change based on prices in effect on the date of shipment. Interest at the rate of the lesser of (i) 18% per annum, or (ii) the maximum rate allowable by applicable law, shall be charged on overdue payments. Prices are for Seller's standard packaging only, and F.O.B. Seller's plant or warehouse. All orders are subject to credit approval. Terms of payment are net, 30 days. In the event of non-payment by Buyer, Buyer shall pay all of Seller's costs of collection, including reasonable legal fees.

## PERFORMANCE-CHANGES-DELAYS

- (a) Any time for delivery stated herein is approximate. Delivery shall be deemed complete by tender of the products to a common carrier. Partial shipments are permitted.
- (b) Orders are not subject to cancellation or revision, in whole or in part, without written approval of Seller and the payment of the applicable cancellation charges and expenses, if any, levied by the Seller.
- (c) Should Buyer cause changes to be made in the design or construction of any products, or otherwise delay or interrupt the progress of the work hereunder, Buyer will reimburse Seller for any additional costs arising therefrom.
- (d) Seller shall not be liable for any delay caused by acts of God, riot or civil commotion, government orders, rules, regulations, suspensions or requisitions of any kind, strikes or other stoppages of labor or shortage in the supply of labor or material, fire casualties or accidents, or any cause, whether of the same or a different character, beyond Seller's control. Any such delay shall extend the time for delivery of the products. Delay in delivery of any installment shall not relieve Buyer of its obligation to accept remaining deliveries.
- (e) If delays due to Buyer's fault exceed 60 days in the aggregate, the entire purchase price shall be due and payable to Seller on demand.
- (f) Any claim relating to quantity or type of products ordered or shipped to Buyer shall be made to Seller in writing within 7 days after Buyer's receipt of the products and any such claim made thereafter shall be barred.

## RISK OF LOSS

After delivery to the carrier, Buyer assumes the risk of all loss or damage to the products resulting from any cause whatever.

## LIMITED WARRANTY

Seller makes the following limited warranty:

Seller warrants all products manufactured and sold by it (excluding all items not manufactured by Seller, such as trade accessories, that may be sold with, attached to, or operated with Seller's products), to (i) for products manufactured to the specifications of Buyer, conform to the agreed written specifications, if any, for such products, and/or (ii) be free from material defects in material and workmanship under normal use and service for twelve (12) months from the date of shipment from the Seller's factory to the original purchaser. Any claim under this Limited Warranty shall be made to Seller in writing within three (3) months after the date of shipment of the products and any such claim made thereafter shall be barred. SELLER'S ENTIRE OBLIGATION AND LIABILITY, AND BUYER'S EXCLUSIVE REMEDY, UNDER THIS WARRANTY IS LIMITED TO THE REPLACEMENT OR REPAIR, IN SELLER'S SOLE DISCRETION, AT THE FACTORY OF SELLER OR AT A POINT DESIGNATED BY IT, OF SUCH PRODUCTS AS SHALL APPEAR TO SELLER UPON INSPECTION AT SUCH POINT TO HAVE BEEN DEFECTIVE IN MATERIAL OR WORKMANSHIP AT THE TIME SOLD, PROVIDED THAT THE PRODUCT OR PRODUCTS CLAIMED DEFECTIVE ARE RETURNED TO THE SELLER DESIGNATED INSPECTION POINT, TRANSPORTATION CHARGES PREPAID BY THE BUYER, WITHIN THE ABOVE-NOTED WARRANTY PERIOD.

This Contract will not be deemed to have failed of its essential purpose and there shall be no fundamental breach of this Contract so long as Seller is willing and able to replace or repair any defective product in the manner prescribed above.

This limited warranty applies only to new and unused products which after shipment from the Seller's factory have not been altered, changed or replaced in any manner.

If, after inspection of the returned products, Seller determines that the defect is a result of misuse, mishandling, installation, abnormal conditions of operation, unauthorized repair or modification, or due to the Buyer's failure to install, maintain or operate the product in compliance with the written instructions, then the Buyer shall reimburse Seller for all expenses incurred by Seller in connection with the replacement or repair of the product. Any product returned to Seller for replacement shall become the property of Seller.

The Buyer shall be responsible for all costs of shipping, customs clearance and other related charges in connection with Seller's replacement or repair of products located outside of Canada pursuant to this limited warranty.

## DISCLAIMER OF WARRANTIES

THE WARRANTIES, GUARANTEES, REPRESENTATIONS AND CONDITIONS SET OUT SPECIFICALLY ABOVE UNDER THE HEADING "LIMITED WARRANTY" ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, REPRESENTATIONS AND CONDITIONS, WHETHER BY SELLER OR THIRD PARTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING BY STATUE OR OTHERWISE IN LAW OR FROM A COURSE OF DEALING OR USAGE OF TRADE. NO WARRANTY, GUARANTEE, REPRESENTATION OR CONDITION, EXPRESS OR IMPLIED, MADE BY ANY DISTRIBUTOR, SALES REPRESENTATIVE, FIELD AGENT OR EMPLOYEE OF SELLER WHICH IS NOT SPECIFICALLY SET FORTH HEREIN SHALL BE BINDING ON SELLER.

## LIMITATION OF LIABILITY

IN NO EVENT SHALL SELLER, ITS AFFILIATES OR THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, REPRESENTATIVES, AGENTS OR SUPPLIERS BE LIABLE TO BUYER OR ANY THIRD PARTY (INCLUDING ANY SUBSEQUENT ACQUIRER) FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING, BUT NOT LIMITED TO, DAMAGES RESULTING FROM PERSONAL INJURY OR DEATH, DAMAGE TO OR LOSS OF PROPERTY OR EQUIPMENT, BUSINESS INTERRUPTION, LOSS OF REVENUE OR PROFIT AND HARM TO GOODWILL OR BUSINESS REPUTATION) WHETHER BASED IN BREACH OF CONTRACT (INCLUDING FUNDAMENTAL BREACH OR BREACH OF A FUNDAMENTAL TERM), TORT (INCLUDING NEGLIGENCE) OR OTHERWISE IN LAW OR EQUITY, ARISING OUT OF OR IN CONNECTION WITH ANY MATTER RELATING TO THIS CONTRACT OR ANY OTHER CONTRACT OF SALE BETWEEN THE SELLER AND THE BUYER OR TO THE PRODUCTS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT SHALL THE MAXIMUM LIABILITY OF SELLER, ITS AFFILIATES OR THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, REPRESENTATIVES, AGENTS OR SUPPLIERS, IN THE AGGREGATE, EXCEED THE AMOUNT PAID BY BUYER TO SELLER TO PURCHASE THE SPECIFIC PRODUCTS PROVIDED BY THE SELLER THAT GIVE RISE TO THE CLAIM OR CAUSE OF ACTION.

## NON-RELIANCE

Buyer is not relying upon any advice, representations or warranties (except the warranties expressly set forth above) of Seller, or upon Seller's skill or judgment regarding the Seller's products. Buyer is solely responsible for the design and specifications of the products, including without limitation, the determination of suitability for Buyer's application of the products.

## INDEMNIFICATION

Buyer will indemnify, defend and hold Seller harmless from all loss, liability, damage and expense, including legal fees, arising out of any claim (a) for infringement of any intellectual property right of any third party, including without limitation, patent, trademark, copyright, misappropriation of trade secrets, unfair competition or similar charge, by any products supplied to Seller by Buyer or supplied by Seller to Buyer in accordance with the designs or specifications, or other instructions, of Buyer, or (b) arising out of or connected with: (i) the use of the products, or (ii) any items into which the products are incorporated, including, but not limited to, any claim for product liability (whether or not based on negligence or strict liability of Seller), breach of warranty, breach of contract or otherwise.

## DUTIES AND TAXES

In addition to the specified purchase price, Buyer will pay any and all federal, provincial or local taxes, duties, excises, license fees and other charges leveled, assessed or imposed upon Seller due to the manufacture, sale, purchase or delivery of the products. Buyer shall also pay the cost by which such manufacture is increased by reason of any law, ordinance or regulation adopted or promulgated by any government or governmental subdivision, department or agency, or other source, after the date hereof, but prior to the completion and delivery hereunder.

## SPECIFICATIONS, DRAWINGS, PATTERNS AND TOOLS

Seller's specifications, drawings, patterns and tooling shall be the sole and exclusive property of Seller unless otherwise agreed in writing.

## ENTIRE AGREEMENT

This Contract constitutes the entire agreement between Buyer and Seller with respect to the subject matter of this Contract, and supercedes any other, whether made heretofore or hereafter, (i) agreement or discussion, oral or written, express or implied, and (ii) any, inconsistent terms and conditions whether contained in Buyer's purchase order or otherwise. Other than with respect to alternate "Price-Payment" terms agreed to in writing by Seller, no (i) change, modification, or waiver of these Terms and Conditions of Sale, or (ii) conditions, usage or trade, course of dealing or performance, understanding or agreement purporting to change, modify, supplement, vary, explain or waive any of these Terms and Conditions of Sale, shall be binding upon the Seller unless made in writing, where such writing makes specific reference to these Terms and Conditions of Sale and has been signed by an authorized representative of the party against which enforcement thereof is sought. Seller reserves the right to change these Terms and Conditions of Sale without prior notice.

## RETURNED GOODS

No goods will be accepted for return without prior written authorization by Seller. Freight must be prepaid on all such returns, and each return is subject to inspection and acceptance by Seller to assure the goods are in a "resalable" condition. A minimum 15% handling and restocking charge will be applied to all authorized returns. Special or made-to-order goods are NOT returnable. Attachment chains returned are at the manufacturer's discretion.

## GOVERNING LAW

This Contract shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws applicable therein (excluding any conflict of laws rule or principle which might refer such construction to the laws of another jurisdiction) and Buyer and Seller expressly exclude the application of the United Nations Convention on Contracts for the International Sale of Goods.

## MISCELLANEOUS

If any provision of this Contract is declared by a court of competent jurisdiction to be invalid, illegal or unenforceable, such provision shall be severed from this Contract and the other provisions shall remain in full force and effect, unless such invalid provisions are held to be a material part of this Contract such that it may be reasonably assumed that the parties would not have entered into this Contract without such provisions in place. No waiver by Seller with respect to any breach or default or any right or remedy and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver is specifically expressed in writing and is signed by the party to be bound thereof. Buyer shall not assign this contract, or any of its rights or obligations hereunder, without the prior written consent of the Seller. The parties hereto have requested that this Contract and all correspondence and all documentation respecting this Contract be written in the English language. Les parties aux présentes ont exigé que la présente entente, de même que toute la correspondance et la documentation relative à cette entente, soient rédigées en langue anglaise.

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## INDEMNITY STATEMENT

All sales are subject to Tsubaki of Canada Limited Standard Terms and Conditions (pages 110-112). Modifications and welding of product supplied by Tsubaki of Canada Limited may compromise their overall safety, performance and durability. Tsubaki accepts no responsibility for any alterations to its products or the welding of any attachments to its products not carried out directly by Tsubaki.

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## SAFETY WARNINGS

1. Guards should be used on all pulley and belt installations.
2. Always lock out the power switch before installing, lubricating or servicing your pulley and belt installation.
3. When installing or uninstalling a pulley and belt installation, always wear safety glasses, protective clothing, gloves and safety shoes.

## ***The Tsubaki Advantage***

The Tsubaki Advantage: lowering your cost, increasing productivity and saving your company money.

### ***On-Site Maintenance Seminars***

Our technical and or sales staff will conduct on-site customized maintenance seminars that will provide techniques to extend the life of your power transmission components, reducing down time and saving you money.

### ***Technical Support***

Tsubaki's Technical Support Department provides solutions for all drive applications including:

- Proper chain, sprocket and pulley/belt selection.
- Entire plant surveys (eg. timing pulley identification by application).



### ***Critical Application Survey***

Our technical staff will conduct a detailed critical application survey to identify those that have the most demanding/troublesome components as well as those components that will soon need replacement. Early identification will prevent costly downtime by ensuring that the Tsubaki replacement product is available at the right time.



### ***The Tsubaki Advantage Database***

The Tsubaki Advantage database software tracks the annualized cost savings associated with switching to value added Tsubaki power transmission products. Our customers often find that the investment in Tsubaki products is quickly paid back from cost savings resulting from reduced maintenance and down time.





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NOTE: In accordance with the policy of Tsubaki of Canada Limited to consistently improve its products, the specifications in this catalogue are subject to change without notice. Please contact Tsubaki for current prices.

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