

GATES UNITTA BELT CATALOGUE

POWER GRIP® GT® BELT

POWER GRIP® HTD® BELT

POWER GRIP® TIMING BELT

UNITTA COMPANY

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GATES UNITTA ASIA BELT CATALOGUE



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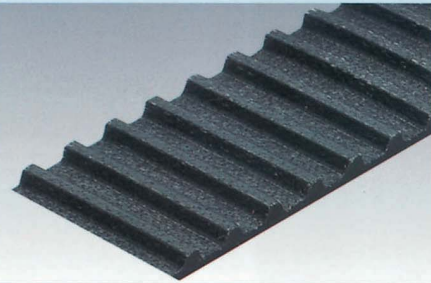
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E-mail: tuckgiantbelt@citiz.net

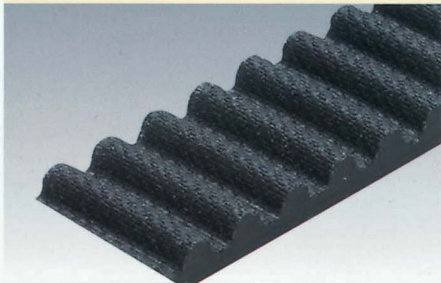
ゲイツ・ユニッタ・アジア
歯付ベルト商品群

EVシリーズ 本カタログ掲載

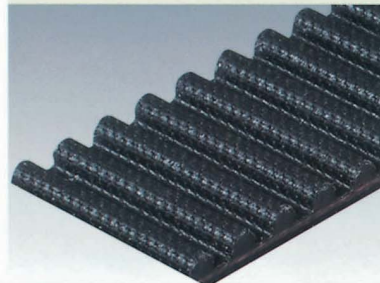
タイミンクベルト



HTDベルト



GTベルト



EV SERIES



ポリチェーンGT2ベルト



カタログNo.		CAT.118	CAT.118		CAT.117	本カタログ	CAT.303
特 長		● 歯付ベルトの基礎 ● JIS、ISO規格品	● 業界初の丸歯形開発		● 複合円弧歯形で伝動容量アップ ● 高精度、低騒音 ● インポリュート噛み合い	● 新素材を活用し、伝動容量アップ ● 従来品の5GT・8YU・14Mからの上位互換タイプ	● ユニッタ最大の伝動容量を誇る ● 低速高トルク向け ● チェーンに匹敵する伝動容量
伝動容量		★ ★ ★ ★ ★	★ ★ ★ ★ ★		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
精 度		★ ★ ★ ★ ★	★ ★ ★ ★ ★		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
静粛性		★ ★ ★ ★ ★	★ ★ ★ ★ ★		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
歯 形		第一世代歯形 (台形歯形)	第二世代歯形 (円弧歯形)		第三世代歯形 (新円弧歯形)	EV5GT (5GTと共通) EV8YU (8YUと共通) EV14M (14Mと共通)	ゲイツ社歯形
標準構成		クロロプレンゴム・ グラスファイバー心線・ナイロン帆布	クロロプレンゴム・ グラスファイバー心線・ナイロン帆布		クロロプレンゴム・ グラスファイバー心線・ナイロン帆布 ※U1Gと1.5GTはアラミド心線	クロロプレンゴム・ グラスファイバー心線・ナイロン帆布	高強度ウレタン・ アラミド心線・ナイロン帆布
ベルト種類		● MXL (2.032mm) ● XL (5.080mm) ● L (9.525mm) ● H (12.7mm) ● XH (22.225mm) ● XXH (31.750mm)	● 3M (3.0mm) ● 5M (5.0mm) ● 8M (8.0mm) ● 14M* (14.0mm) ※は特殊仕様のみ製作可		● U1GT (ウレタン) (1.0mm) ● 1.5GT (1.5mm) ● 2GT (2.0mm) ● 3GT (3.0mm) ● 5GT* (5.0mm) ● 8YU* (8.0mm) ※は特殊仕様のみ製作可	● EV5GT (5.0mm) ● EV8YU (8.0mm) ● EV14M (14.0mm)	● 8MGT (8.0mm) ● 14MGT (14.0mm)
必要ベルト幅比較		必要ベルト幅：100mm プーリー：25Hを選定した場合 ※設計機械、条件により多少異なります。 詳細はカタログでご確認下さい。	必要ベルト幅：70mm プーリー：P40-8Mを選定した場合 ※設計機械、条件により多少異なります。 詳細はカタログでご確認下さい。		必要ベルト幅：60mm プーリー：P40-8YUを選定した場合 ※設計機械、条件により多少異なります。 詳細はカタログでご確認下さい。	必要ベルト幅：50mm プーリー：P40-8YUを選定した場合 ※設計機械、条件により多少異なります。 詳細はカタログでご確認下さい。	必要ベルト幅：40mm プーリー：8MGT-40Sを選定した場合 ※設計機械、条件により多少異なります。 詳細はカタログでご確認下さい。
特殊仕様		● 耐油仕様 ● 耐熱仕様 ● アラミド心線仕様 ● 帯電防止仕様 ● 非導電性仕様	● 耐油仕様 ● 耐熱仕様 ● アラミド心線仕様（14Mを除く） ● 帯電防止仕様 ● 非導電性仕様		● 耐油仕様 ● 耐熱仕様 ● アラミド心線仕様 ● 帯電防止仕様 ● 非導電性仕様	なし	なし
ツインパワーベルト		製作可 (XL・L・Hのみ)	製作可		製作可 (3GT・5GT・8YUのみ)	製作不可	製作不可
オープンエンドベルト		製作可	製作可		製作可	製作不可	製作不可
ロングレングスベルト		製作不可	8M、14M		5GT、8YU	製作不可	製作不可
背面アイドラ		使用可	使用可		使用可	使用可	使用不可
標準在庫プーリー		あり	あり		あり (1GTを除く)	あり	なし
主な用途		● 家庭用マシン ● 工業用マシン ● 工作機械 ● 自動化機器	● OA機器 ● 繊維機械 ● 金融機械 ● 印刷機械		● ヒューマノイドロボット ● OA機器 ● ウエハー・液晶搬送ロボット ● 金融機械 ● マウンター ● ラジコンカー	● 電動式射出成形機 ● プレス機械 ● 液晶搬送ロボット ● 伸線機 ● 巻線機	● 設備機械 ● ゴムベルトで細幅にできない用途

[開発コンセプト]

材料改良で高精度、
高トルクを実現

2002年/2006年
EV5GT

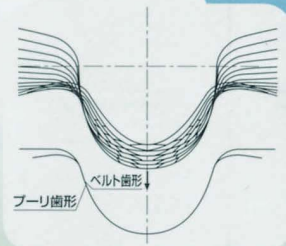
EVベルト



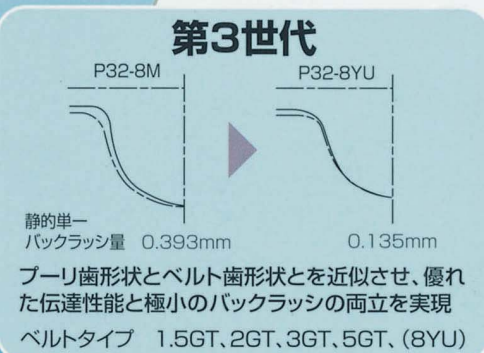
第3世代歯形
(新円弧歯形)
インボリュートかみ合い

トルクをさらにアップ。

1994年



GTベルト



もっと精密に、静粛に。

第2世代歯形
(円弧歯形)
業界初の丸歯形開発

1976年

HTD
ベルト

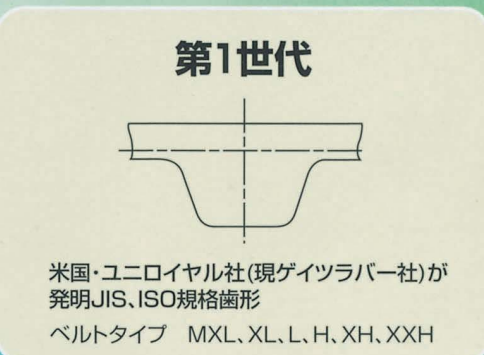


もっと大きな力を伝えたい。

第1世代歯形
歯付ベルトの基礎

1945年

タイミング
ベルト



■ Conversion Formulas

Required	Unit	Formulas	Remarks
Belt Speed V	m/s	$V = \frac{\pi \times PD \times n}{60000}$	PD : Pulley Pitch Diameter(mm) n : Number of Revolution(r.p.m.)
Number of Revolution n	r.p.m.	$n = \frac{60000 \times V}{\pi \times PD}$	
Design Power Pd	W or kW	$Pd = Pm \times Ko$	Pm : Transmission Power(W or kW) Ko : Service Correction Factor
Transmissoin Power Pm	W or kW	$Pm(W) = \frac{Te \times V}{0.102}, Pm(kW) = \frac{Te \times V}{102}$ $Pm(W) = Te' \times V, Pm(kW) = \frac{Te' \times V}{1000}$ $Pm(W) = \frac{Tr \times n}{0.974}, Pm(kW) = \frac{Tr \times n}{974}$ $Pm(W) = \frac{Tr' \times n}{9.55}, Pm(kW) = \frac{Tr' \times n}{9550}$	Te : Effective Tension(kgf) Te' : Effective Tension(N) Tr : Torque(kgf·m) Tr' : Torque(N·m)
Effective Tension kgf	kgf	$Te = \frac{0.102 \times Pm(W)}{V}, Te = \frac{102 \times Pm(kW)}{V}$ $Te = \frac{2000 \times Tr}{PD}$ $Te' = \frac{Pm(W)}{V}, Te' = \frac{1000 \times Pm(kW)}{V}$ $Te' = \frac{2000 \times Tr'}{PD}$	
Torque	kgf·m	$Tr = \frac{0.974 \times Pm(W)}{n}, Tr = \frac{974 \times Pm(kW)}{n}$ $Tr = \frac{GD^2 \times (n_1 - n_2)}{375t}$	GD ² : Fly Wheel Effect(kgf·m ²) (n ₁ - n ₂) : Difference of Revolution(r.p.m.) t : Required time for(n ₁ - n ₂)(sec)
	N·m	$Tr' = \frac{9.55 \times Pm(W)}{n}, Tr' = \frac{9550 \times Pm(kW)}{n}$ $Tr' = \frac{GD^2 \times (n_1 - n_2)}{38.2t}$	
Aporoxmate Belt Pitch Length Lp	mm	$Lp \div 2C + \frac{\pi(Dp + dp)}{2} + \frac{(Dp - dp)^2}{4C}$	C : Center Distance(mm) Dp : Large pulley P.D.(mm) dp : Small pulley P.D.(mm)
Center Distance C	mm	$C \div \frac{b + \sqrt{b^2 - 8(Dp - dp)^2}}{8}$	b : 2Lp - π(Dp + dp) Lp : Belt Pitch Length(mm) I : Moment of Inertia(kgf·m·s ²) g : Acceleration of Gravity (9.80665m/s ²)
Inertia GD ²	kgf·m ²	$GD^2 = 4 \times g \times I$	
Design Tension Ted	kgf	$Ted = \frac{0.102 \times Pd(W)}{V}, Ted = \frac{102 \times Pd(kW)}{V}$ $Ted = Te \times Ko$	
	N	$Ted' = \frac{Pd(W)}{V}, Ted' = \frac{1000 \times Pd(kW)}{V}$ $Ted' = Te' \times Ko$	
Contact Angle on Small Pulley θ	°(deg)	$\theta = 180 - \frac{57.3(Dp - dp)}{C}$	θ : Contact angle on small pulley(deg) T.I.M. : Teeth in Mesh on small pulley z : Number of small pulley groove
Teeth in Mesh on Small Pulley T. I. M.	T. I. M.	$T.I.M. = \frac{\theta}{360} \times Z$	Fa : Static Shaft Load(kgf) Ti : Installation Tention(kgf) MH : Frequency generated by teeth-in-mesh with pulley(Hz) VN : Frequency generated by electric source(Hz) Po : Pole of Motor
Static Shaft Load Fa	Fa	$Fa = 2 \times Ti \times \sin \frac{\theta}{2}$	
Frequency generated by teeth-in-mesh with pulley MH	Hz	$MH = \frac{\text{No. of grooves} \times n}{60}$	
Number of Motor shaft Revolution n	r.p.m.	$n = \frac{120 \times VN}{Po}$	

N : Newton 1N=1kg·m/s²
W : Watt 1W=1J/s=1N·m/s=1kg·m²/s³ J : joule
kgf : Kilo gram force 1kgf=9.80665N
PS : Meter horse power PS=75kgf·m/s=0.7355kW
kg : Kilo gram

Note:
1. Under the new International System of Units (SI), minute/hour/day for time and degree/minute/second for plane angle are commonly used.
2. The usage of units is gradually shifted to the method of the new International System of Units (SI) also in Japan.

Introduction

Timing belts sre now an important power transmission component parts that is indispensable for the newly developed industries.

The prototype of Timing belt was developed by Uniroyal (now Gates Rubber Company) in 1945, attracting world attention as a unique belt.

Since then the maaterials components and production method of these toothed belts have been significantly improved.

In 1970 a new generation “Power Grip” HTD belt was developed and introduced, this has the features of timing and ensures high torque transmission, capabilities compact design and energy saving.

Now, as the third generation belt, we have a line of GT Belts which has realized high transmission power, high accuracy, and significant noise reduction.

“Power Grip” Timing belt, “Power Grip” HTD and “Power Grip” GT belts are widely used different power transmission systems for moderm industrial automation and labor saving devices.

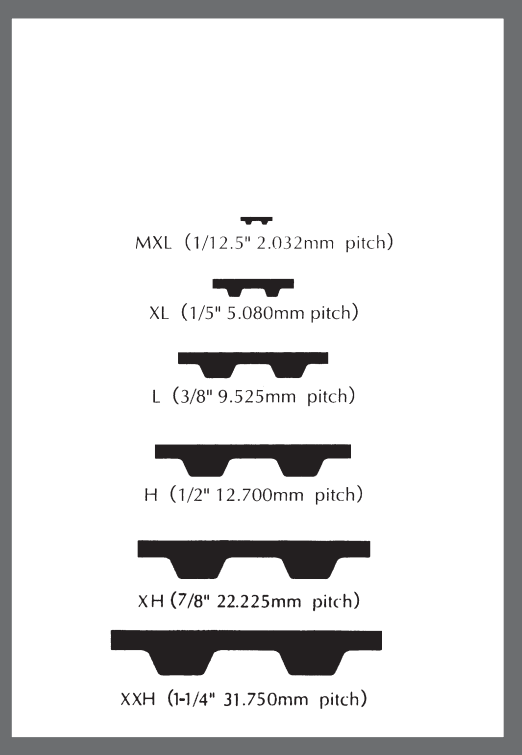
The belt size list shown in this catalog meets your product requirements.

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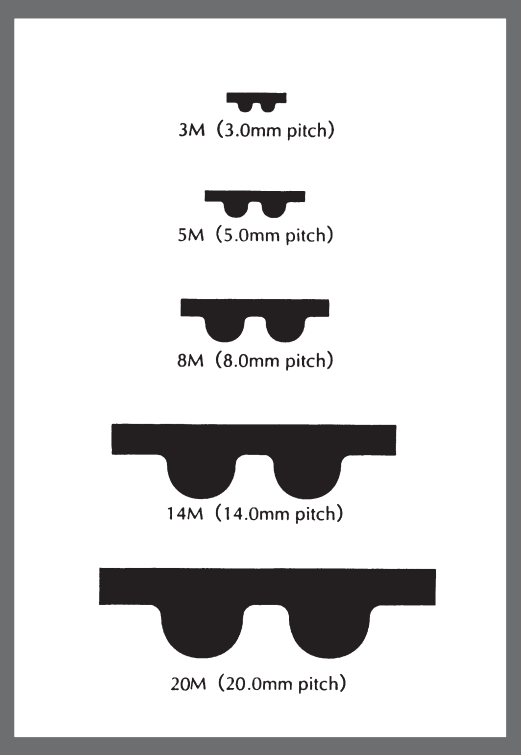
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Scale 1/1

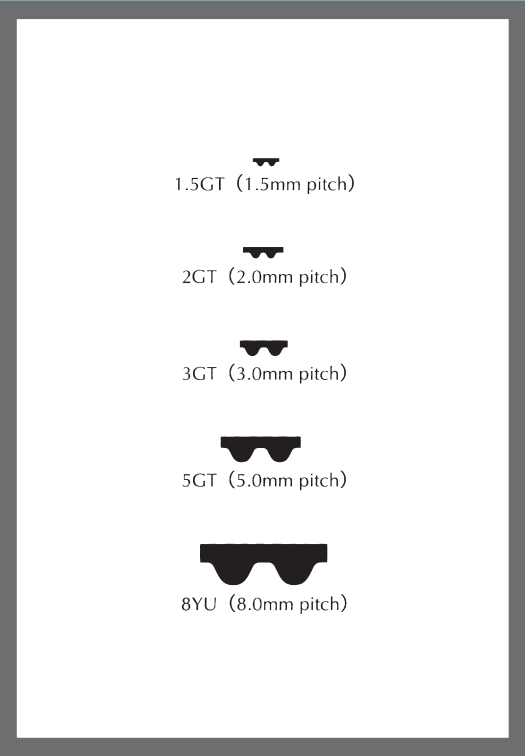
Power Grip Timing



Power Grip HTD



Power Grip GT



1

2

3

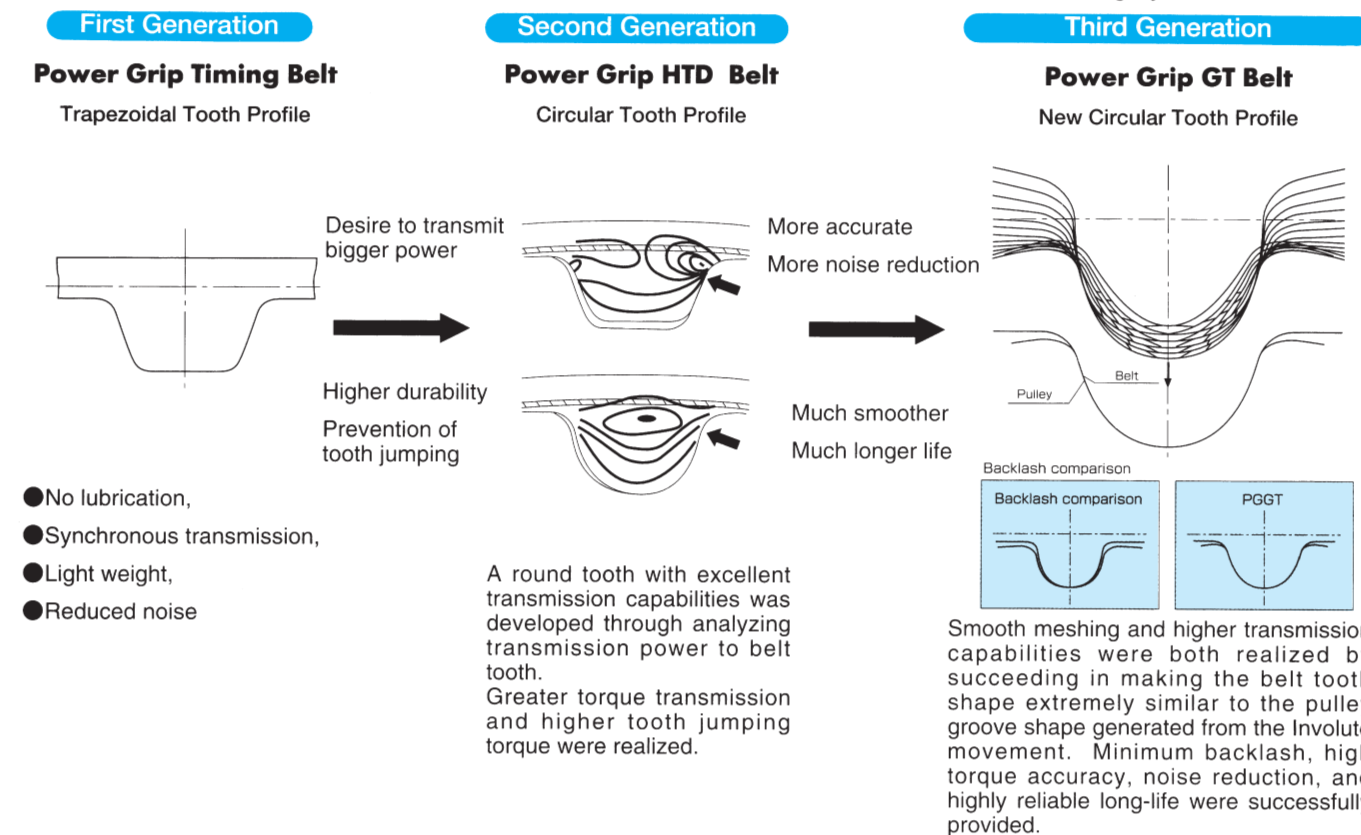
4

5

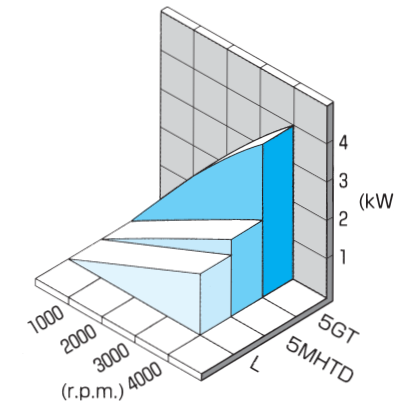
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Remarkably Improved Toothed Belt For Third Generation

It has been nearly a half century since a toothed belt was developed. Starting from a belt with trapezoidal teeth, it has been improved to be a product for the third generation with excellent integrity.



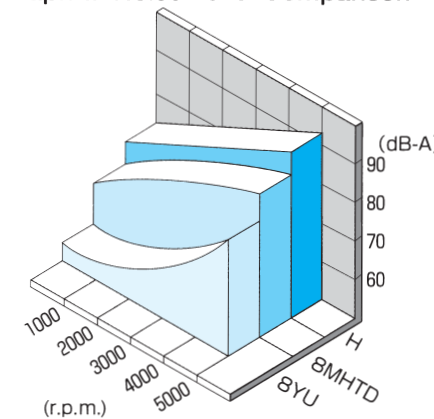
Graph-I Transmission Power Comparison



High transmission power

The excellent combination of strong materials and the tooth shape providing high transmission power and smooth meshing results in a long-life belt which is reliable more than ever. This allows higher transmission power compared to the conventional belts.

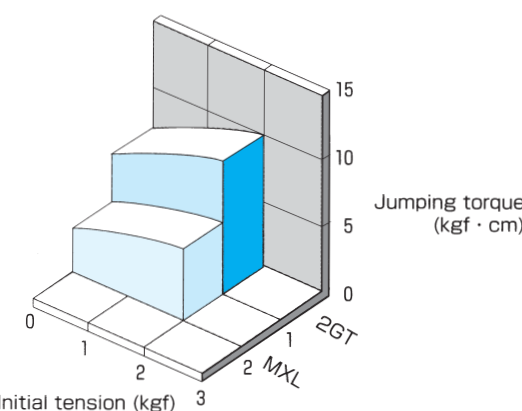
Graph-II Noise Level Comparison



Reduced noise

The Power Grip GT Belt with the ideal meshing of belt/pulley and high transmission power realizes more significant noise reduction than the conventional belts.

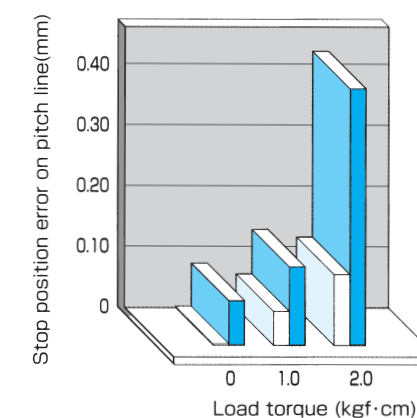
Graph-III Jumping Torque Comparison



High jumping torque

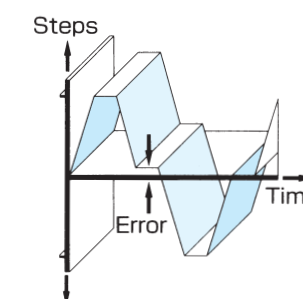
Higher jumping torque results from increasing the tooth depth to tooth pitch and employing the tooth shape which provides smooth meshing.

Graph-IV Positioning Accuracy Comparison

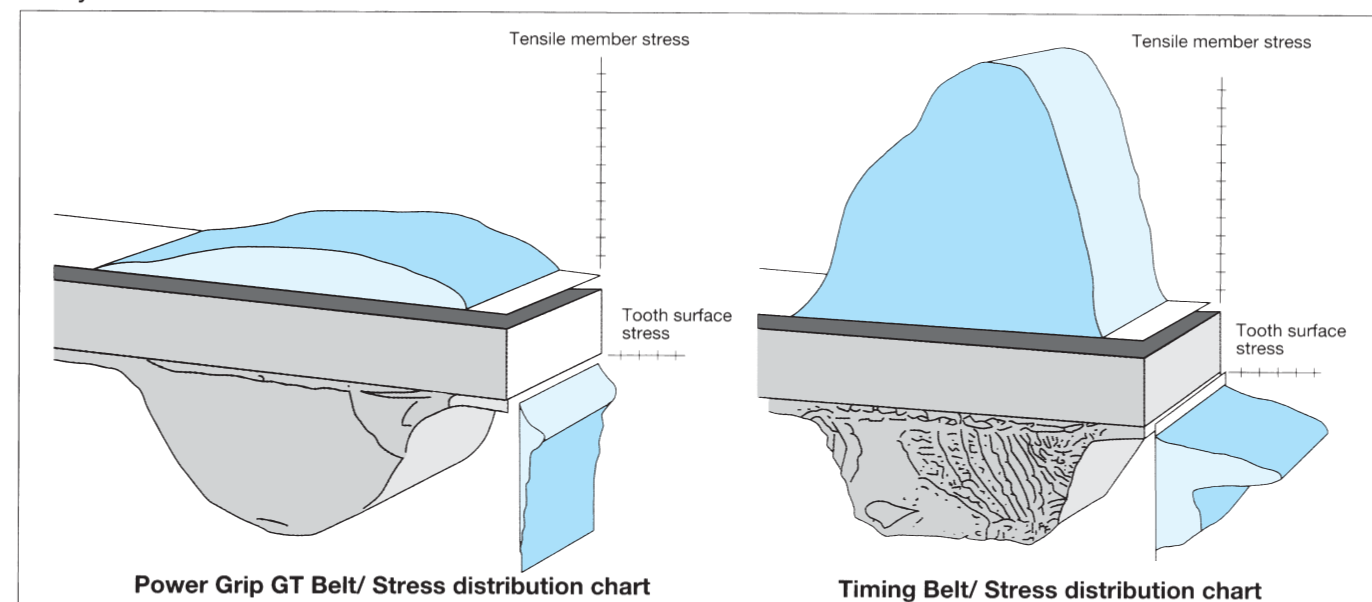


Accurate transmission

Minimum backlash, less tooth distortion, and centering effect unique to the GT tooth realize high positioning accuracy and precise torque transmission.



Analysis of Stress Distribution



Belt Construction

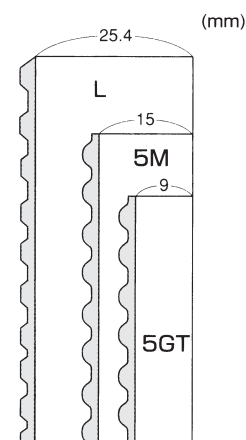
Power Grip GT Belt · Pulley

Synchronous Drive Comparisons

■Conditions

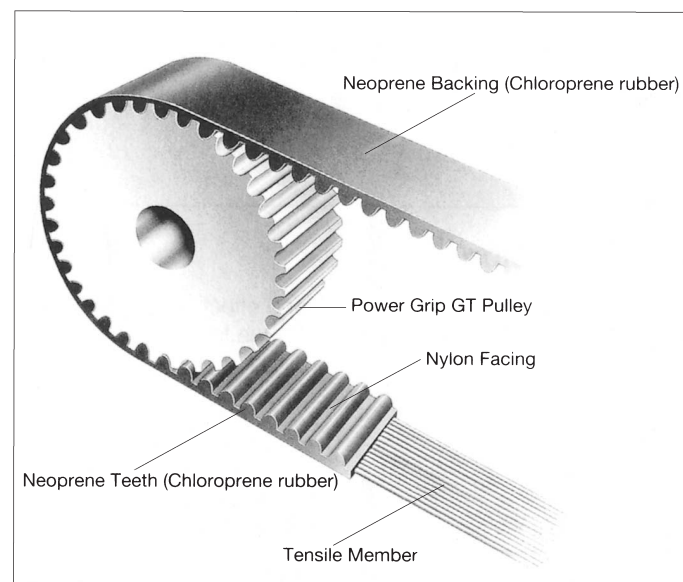
Moter	300W
rpm	1000rpm
Pulley Diameter & Speed Ratio	50mm 1:1
Belt Length	1000mm

■Determined Belt Width



1	Type	5GT	5M	L
2	No. of Grooves	P32-5GT (OD 50.93mm)	P32-5M (OD 50.93mm)	17L (OD 50.78mm)
3	Basic Width	15mm	9mm	25.4mm
4	Basic Power Rating (1,000rpm)	1362W	416W	650W
5	Design Power (300W×2)	600W	600W	600W
6	Required Belt Width Factor	0.44	1.44	0.92
7	Determined Belt Width	9mm	15mm	25.4mm
8	Initial Tension	5.6kgf	9.8kgf	12.5kgf

■Belt Construction



■Neoprene Backing (Chloroprene rubber)

Flexible and strong neoprene rubber with excellent durability and abrasion resistance protects the tensile member.

■Neoprene Teeth (Chloroprene rubber)

In order to bear heavy periodic load, it is molded integrally with the neoprene backing and bonded securely to the tensile member and nylon facing.

■Tensile Member (Glass fiber cord, Aramid cord)

Provides high resistance to elongation as well as excellent flex life to maintain the belt tooth pitch and belt length accurately.

■Nylon Facing

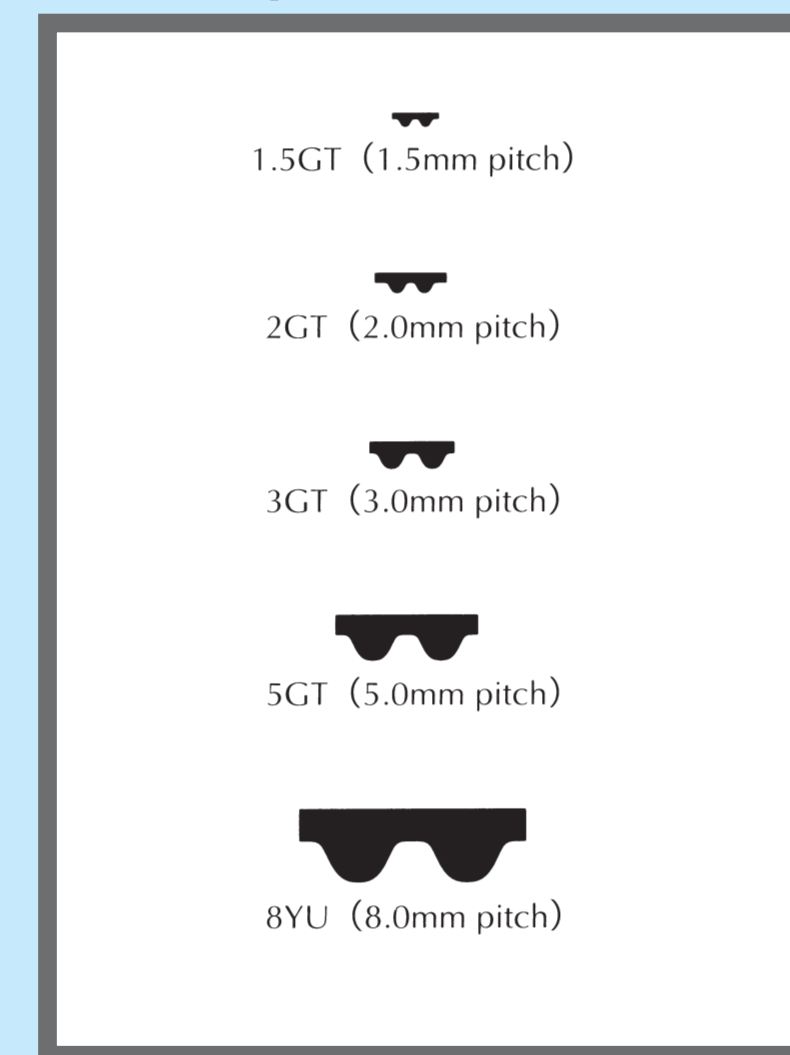
Nylon fabric with special surface treatment provides high abrasion resistance, and directly face pulley groove.

■Power Grip GT Pulley

Essential factor to deliver full performance of the Power Grip GT Belt. The Involute tooth which smoothly meshes with pulley is employed.

High Accuracy, High Power Rating, World Wide

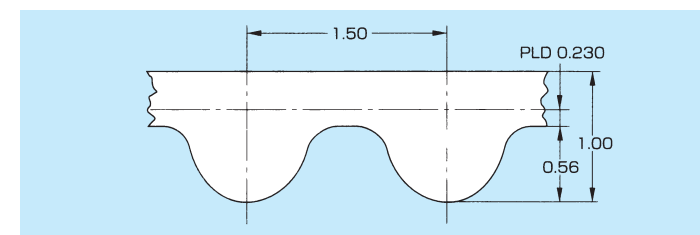
Power Grip GT



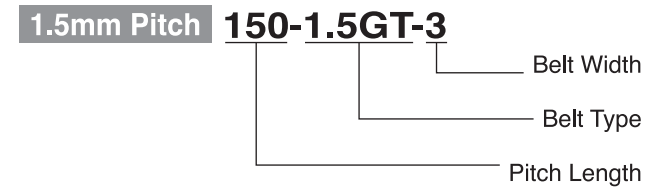
We have a line of 1.5mm, 2mm, 3mm, 5mm, 8mm pitched belts as Power Grip GT Belt.

※PowerGrip GT Pulley is required to the transmission system with Power Grip GT Belt.
Power Grip GT is not compatible with HTD or Timing.

■ Belt Tooth Profile



■ Belt Code



■ 1.5GT Belt Length

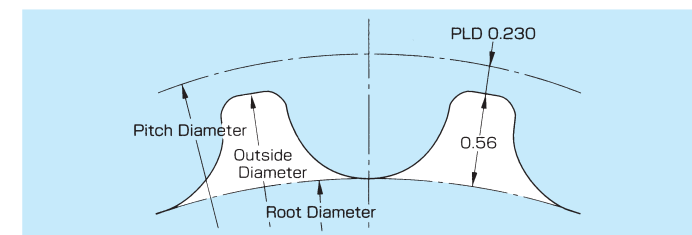
Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
40.5-1.5GT	40.5	27	163.5-1.5GT	163.5	109	315 -1.5GT	315	210
45 -1.5GT	45	30	165 -1.5GT	165	110	316.5-1.5GT	316.5	211
51 -1.5GT	51	34	174 -1.5GT	174	116	330 -1.5GT	330	220
61.5-1.5GT	61.5	41	175.5-1.5GT	175.5	117	339 -1.5GT	339	226
69 -1.5GT	69	46	181.5-1.5GT	181.5	121	348 -1.5GT	348	232
70.5-1.5GT	70.5	47	184.5-1.5GT	184.5	123	366 -1.5GT	366	244
73.5-1.5GT	73.5	49	186 -1.5GT	186	124	373.5-1.5GT	373.5	249
76.5-1.5GT	76.5	51	189 -1.5GT	189	126	384 -1.5GT	384	256
79.5-1.5GT	79.5	53	190.5-1.5GT	190.5	127	390 -1.5GT	390	260
85.5-1.5GT	85.5	57	195 -1.5GT	195	130	405 -1.5GT	405	270
87 -1.5GT	87	58	199.5-1.5GT	199.5	133	427.5-1.5GT	427.5	285
90 -1.5GT	90	60	202.5-1.5GT	202.5	135	432 -1.5GT	432	288
91.5-1.5GT	91.5	61	204 -1.5GT	204	136	444 -1.5GT	444	296
96 -1.5GT	96	64	207 -1.5GT	207	138	483 -1.5GT	483	322
97.5-1.5GT	97.5	65	210 -1.5GT	210	140	490.5-1.5GT	490.5	327
100.5-1.5GT	100.5	67	213 -1.5GT	213	142	493.5-1.5GT	493.5	329
103.5-1.5GT	103.5	69	216 -1.5GT	216	144	498 -1.5GT	498	332
109.5-1.5GT	109.5	73	217.5-1.5GT	217.5	145	562.5-1.5GT	562.5	375
114 -1.5GT	114	76	219 -1.5GT	219	146	589.5-1.5GT	589.5	393
123 -1.5GT	123	82	228 -1.5GT	228	152	598.5-1.5GT	598.5	399
124.5-1.5GT	124.5	83	231 -1.5GT	231	154	630 -1.5GT	630	420
126 -1.5GT	126	84	232.5-1.5GT	232.5	155	642 -1.5GT	642	428
129 -1.5GT	129	86	240 -1.5GT	240	160	654 -1.5GT	654	436
135 -1.5GT	135	90	246 -1.5GT	246	164	661.5-1.5GT	661.5	441
136.5-1.5GT	136.5	91	249 -1.5GT	249	166	678 -1.5GT	678	452
141 -1.5GT	141	94	252 -1.5GT	252	168	699 -1.5GT	699	466
145.5-1.5GT	145.5	97	267 -1.5GT	267	178	762 -1.5GT	762	508
150 -1.5GT	150	100	279 -1.5GT	279	186	820.5-1.5GT	820.5	547
156 -1.5GT	156	104	292.5-1.5GT	292.5	195	829.5-1.5GT	829.5	553
160.5-1.5GT	160.5	107	304.5-1.5GT	304.5	203	891 -1.5GT	891	594
						931.5-1.5GT	931.5	621
						1008 -1.5GT	1008	672

■ 1.5GT Standard Belt Width

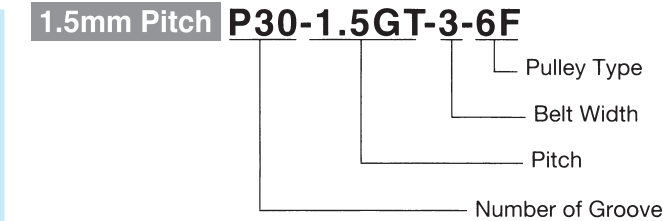
Belt Width(mm)	1.5	2.0	2.5	3.0	4.0
Belt Width Code	1.5	2	2.5	3	4

1.5GT Pulley

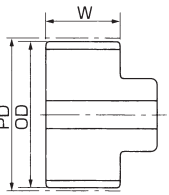
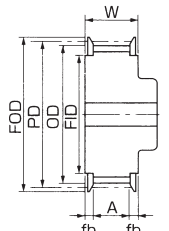
■ Pulley Groove Profile



■ Pulley Code



■ Pulley Type

Code	6	6F
Type		

■ Pulley Dimension Table

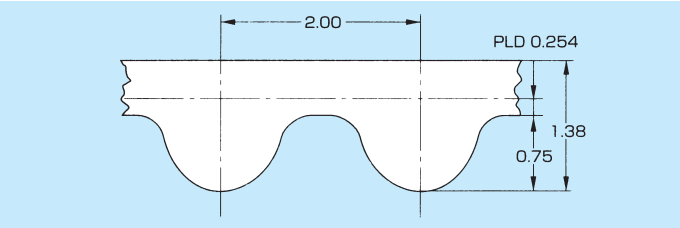
No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
8	3.82	3.36	—	—	46	21.96	21.50	17.00	25.00	76	36.29	35.83	31.00	40.00
9	4.30	3.84	—	—	47	22.44	21.98	18.00	26.00	77	36.76	36.30	32.00	41.00
10	4.77	4.31	—	—	48	22.92	22.46	18.00	26.00	78	37.24	36.78	32.00	41.00
11	5.25	4.79	—	—	49	23.40	22.94	19.00	28.00	79	37.72	37.26	33.00	42.00
12	5.73	5.27	—	—	50	23.87	23.41	19.00	28.00	80	38.20	37.74	33.00	42.00
13	6.21	5.75	—	—	51	24.35	23.89	19.00	28.00	81	38.67	38.21	34.00	44.00
14	6.68	6.22	5.00	12.00	52	24.83	24.37	20.00	29.00	82	39.15	38.69	34.00	44.00
15	7.16	6.70	5.00	12.00	53	25.31	24.85	20.00	29.00	83	39.63	39.17	34.00	44.00
16	7.64	7.18	5.00	12.00	54	25.78	25.32	20.00	29.00	84	40.11	39.65	36.00	46.00
17	8.12	7.66	5.00	12.00	55	26.26	25.80	21.00	30.00	85	40.58	40.12	36.00	46.00
18	8.59	8.13	6.00	13.00	56	26.74	26.28	21.00	30.00	86	41.06	40.60	36.00	46.00
19	9.07	8.61	6.00	13.00	57	27.22	26.76	22.00	31.00	87	41.54	41.08	36.00	46.00
20	9.55	9.09	7.00	14.00	58	27.69	27.23	22.00	31.00	88	42.02	41.56	36.00	46.00
21	10.03	9.57	7.00	14.00	59	28.17	27.71	23.00	32.00	89	42.49	42.03	38.00	48.00
22	10.50	10.04	7.00	14.00	60	28.65	28.19	23.00	32.00	90	42.97	42.51	38.00	48.00
23	10.98	10.52	7.00	14.00	61	29.13	28.67	24.00	33.00	91	43.45	42.99	38.00	48.00
24	11.46	11.00	8.00	16.00	62	29.60	29.14	24.00	33.00	92	43.93	43.47	40.00	49.00
25	11.94	11.48	8.00	16.00	63	30.08	29.62	25.00	34.00	93	44.40	43.94	40.00	49.00
26	12.41	11.95	9.00	17.00	64	30.56	30.10	25.00	34.00	94	44.88	44.42	40.00	49.00
27	12.89	12.43	9.00	17.00	65	31.04	30.58	26.00	35.00	95	45.36	44.90	40.00	49.00
28	13.37	12.91	9.00	17.00	66	31.51	31.05	26.00	35.00	96	45.84	45.38	42.00	51.00
29	13.85	13.39	10.00	18.00	67	31.99	31.53	27.00	36.00	97	46.31	45.85	42.00	51.00
30	14.32	13.86	10.00	18.00	68	32.47	32.01	27.00	36.00	98	46.79	46.33	42.00	51.00
31	14.80	14.34	11.00	19.00	69	32.95	32.49	28.00	37.00	99	47.27	46.81	42.00	51.00
32	15.28	14.82	11.00	19.00	70	33.42	32.96	28.00	37.00	100	47.75	47.29	44.00	53.00
33	15.76	15.30	12.00	20.00	71	33.90	33.44	29.00	38.00	101	48.22	47.76	44.00	53.00
34	16.23	15.77	12.00	20.00	72	34.38	33.92	29.00	38.00	102	48.70	48.24	44.00	53.00
35	16.71	16.25	13.00	22.00	73	34.85	34.39	30.00	39.00	103	49.18	48.72	46.00	55.00
36	17.19	16.73	13.00	22.00	74	35.33	34.87	30.00	39.00	104	49.66	49.20	46.00	55.00
37	17.67	17.21	13.00	22.00	75	35.81	35.35	31.00	40.00	105	50.13	49.67	46.00	55.00
38	18.14	17.68	13.00	22.00										
39	18.62	18.16	14.00	23.00										
40	19.10	18.64	14.00	23.00										
41	19.58	19.12	15.00	24.00										
42	20.05	19.59	15.00	24.00										
43	20.53	20.07	17.00	25.00										
44	21.01	20.55	17.00	25.00										
45	21.49	21.03	17.00	25.00										

Pulley Pitch Diameter = $\frac{P \times N}{\pi}$

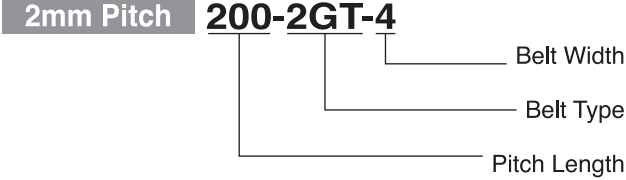
Outside Diameter (OD) = PD - 2 × PLD

P : Belt Pitch (mm)
N : No. of Grooves
π : Ratio of Circumference
1.5GT · PLD : 0.230mm

■ Belt Tooth Profile



■ Belt Code



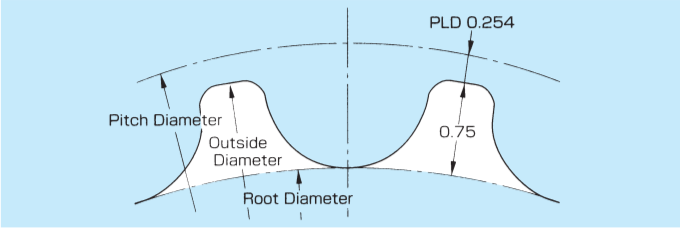
■ 2GT Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
54-2GT	54.0	27	184-2GT	184.0	92	328-2GT	328.0	164	606-2GT	606.0	303
60-2GT	60.0	30	186-2GT	186.0	93	332-2GT	332.0	166	616-2GT	616.0	308
66-2GT	66.0	33	188-2GT	188.0	94	336-2GT	336.0	168	630-2GT	630.0	315
72-2GT	72.0	36	190-2GT	190.0	95	338-2GT	338.0	169	634-2GT	634.0	317
74-2GT	74.0	37	192-2GT	192.0	96	340-2GT	340.0	170	646-2GT	646.0	323
76-2GT	76.0	38	194-2GT	194.0	97	344-2GT	344.0	172	660-2GT	660.0	330
78-2GT	78.0	39	196-2GT	196.0	98	346-2GT	346.0	173	670-2GT	670.0	335
80-2GT	80.0	40	200-2GT	200.0	100	350-2GT	350.0	175	676-2GT	676.0	338
82-2GT	82.0	41	202-2GT	202.0	101	352-2GT	352.0	176	690-2GT	690.0	345
84-2GT	84.0	42	204-2GT	204.0	102	354-2GT	354.0	177	696-2GT	696.0	348
86-2GT	86.0	43	208-2GT	208.0	104	358-2GT	358.0	179	702-2GT	702.0	351
88-2GT	88.0	44	210-2GT	210.0	105	360-2GT	360.0	180	726-2GT	726.0	363
90-2GT	90.0	45	212-2GT	212.0	106	366-2GT	366.0	183	742-2GT	742.0	371
92-2GT	92.0	46	214-2GT	214.0	107	370-2GT	370.0	185	752-2GT	752.0	376
94-2GT	94.0	47	216-2GT	216.0	108	372-2GT	372.0	186	760-2GT	760.0	380
96-2GT	96.0	48	220-2GT	220.0	110	376-2GT	376.0	188	772-2GT	772.0	386
98-2GT	98.0	49	224-2GT	224.0	112	380-2GT	380.0	190	782-2GT	782.0	391
100-2GT	100.0	50	226-2GT	226.0	113	382-2GT	382.0	191	800-2GT	800.0	400
102-2GT	102.0	51	228-2GT	228.0	114	386-2GT	386.0	193	810-2GT	810.0	405
106-2GT	106.0	53	230-2GT	230.0	115	394-2GT	394.0	197	852-2GT	852.0	426
108-2GT	108.0	54	232-2GT	232.0	116	400-2GT	400.0	200	860-2GT	860.0	430
110-2GT	110.0	55	236-2GT	236.0	118	406-2GT	406.0	203	866-2GT	866.0	433
112-2GT	112.0	56	240-2GT	240.0	120	412-2GT	412.0	206	892-2GT	892.0	446
114-2GT	114.0	57	242-2GT	242.0	121	420-2GT	420.0	210	900-2GT	900.0	450
116-2GT	116.0	58	244-2GT	244.0	122	426-2GT	426.0	213	930-2GT	930.0	465
120-2GT	120.0	60	248-2GT	248.0	124	430-2GT	430.0	215	950-2GT	950.0	475
122-2GT	122.0	61	250-2GT	250.0	125	436-2GT	436.0	218	976-2GT	976.0	488
124-2GT	124.0	62	252-2GT	252.0	126	440-2GT	440.0	220	994-2GT	994.0	497
126-2GT	126.0	63	254-2GT	254.0	127	444-2GT	444.0	222	1004-2GT	1004.0	502
128-2GT	128.0	64	256-2GT	256.0	128	446-2GT	446.0	223	1028-2GT	1028.0	514
130-2GT	130.0	65	258-2GT	258.0	129	448-2GT	448.0	224	1066-2GT	1066.0	533
132-2GT	132.0	66	260-2GT	260.0	130	460-2GT	460.0	230	1068-2GT	1068.0	534
134-2GT	134.0	67	264-2GT	264.0	132	470-2GT	470.0	235	1140-2GT	1140.0	570
136-2GT	136.0	68	266-2GT	266.0	133	478-2GT	478.0	239	1164-2GT	1164.0	582
138-2GT	138.0	69	268-2GT	268.0	134	484-2GT	484.0	242	1180-2GT	1180.0	590
140-2GT	140.0	70	270-2GT	270.0	135	486-2GT	486.0	243	1210-2GT	1210.0	605
142-2GT	142.0	71	278-2GT	278.0	139	488-2GT	488.0	244	1228-2GT	1228.0	614
144-2GT	144.0	72	280-2GT	280.0	140	492-2GT	492.0	246	1234-2GT	1234.0	617
146-2GT	146.0	73	282-2GT	282.0	141	494-2GT	494.0	247	1256-2GT	1256.0	628
148-2GT	148.0	74	284-2GT	284.0	142	500-2GT	500.0	250	1310-2GT	1310.0	655
150-2GT	150.0	75	286-2GT	286.0	143	502-2GT	502.0	251	1320-2GT	1320.0	660
152-2GT	152.0	76	288-2GT	288.0	144	504-2GT	504.0	252	1344-2GT	1344.0	672
154-2GT	154.0	77	290-2GT	290.0	145	506-2GT	506.0	253	1360-2GT	1360.0	680
156-2GT	156.0	78	292-2GT	292.0	146	516-2GT	516.0	258	1660-2GT	1660.0	830
158-2GT	158.0	79	294-2GT	294.0	147	524-2GT	524.0	262	1688-2GT	1688.0	844
160-2GT	160.0	80	300-2GT	300.0	150	530-2GT	530.0	265	1700-2GT	1700.0	850
164-2GT	164.0	82	302-2GT	302.0	151	544-2GT	544.0	272	1810-2GT	1810.0	905
166-2GT	166.0	83	304-2GT	304.0	152	550-2GT	550.0	275	1850-2GT	1850.0	925
168-2GT	168.0	84	308-2GT	308.0	154	558-2GT	558.0	279	1860-2GT	1860.0	930
172-2GT	172.0	86	310-2GT	310.0	155	570-2GT	570.0	285	1910-2GT	1910.0	955
174-2GT	174.0	87	314-2GT	314.0	157	572-2GT	572.0	286	2218-2GT	2218.0	1109
176-2GT	176.0	88	318-2GT	318.0	159	578-2GT	578.0	289			
178-2GT	178.0	89	320-2GT	320.0	160	586-2GT	586.0	293			
180-2GT	180.0	90	322-2GT	322.0	161	598-2GT	598.0	299			
182-2GT	182.0	91	324-2GT	324.0	162	600-2GT	600.0	300			

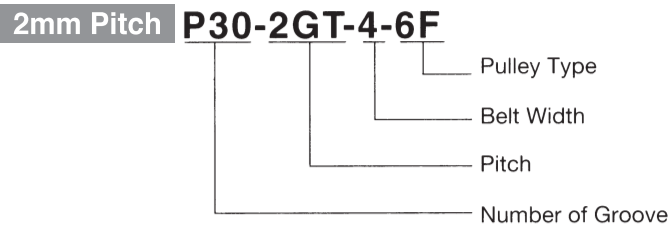
■ 2GT Standard Belt Width

Belt Width(mm)	2.0	3.0	4.0	6.0	9.0	12.0	15.0
Belt Width Code	2	3	4	6	9	12	15

■ Pulley Groove Profile



■ Pulley Code



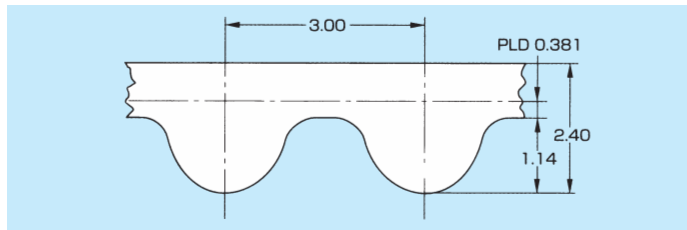
■ Pulley Type

Code	6	6F
Type		

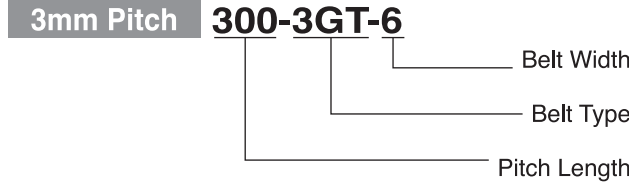
■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
8	5.09	4.58	—	—	46	29.28	28.78	25.00	34.00	76	48.38	47.88	44.00	56.00
					47	29.92	29.41	25.00	34.00	77	49.02	48.51	44.00	56.00
					48	30.56	30.05	26.00	35.00	78	49.66	49.15	44.00	56.00
					49	31.19	30.69	27.00	36.00	79	50.29	49.78	44.00	56.00
					50	31.83	31.32	27.00	36.00	80	50.93	50.42	44.00	56.00
11	7.00	6.49	5.00	12.00	51	32.47	31.96	28.00	37.00	81	51.57	51.06	44.00	56.00
12	7.64	7.13			52	33.10	32.60	29.00	38.00	82	52.20	51.69	47.00	59.00
13	8.28	7.77			53	33.74	33.23	29.00	38.00	83	52.84	52.33	47.00	59.00
14	8.91	8.40			54	34.38	33.87	30.00	39.00	84	53.48	52.97	47.00	59.00
15	9.55	9.04			7.00	14.00	55	35.01	34.51	31.00	40.00	85	54.11	53.60
16	10.19	9.68	7.00	14.00	56	35.65	35.14	31.00	40.00	86	54.75	54.24	49.00	61.00
17	10.82	10.31	8.00	16.00	57	36.29	35.78	32.00	41.00	87	55.39	54.88	49.00	61.00
18	11.46	10.95	8.00	16.00	58	36.92	36.42	32.00	41.00	88	56.02	55.51	49.00	61.00
19	12.10	11.59	8.00	16.00	59	37.56	37.05	33.00	42.00	89	56.66	56.15	49.00	61.00
20	12.73	12.22	9.00	17.00	60	38.20	37.69	33.00	42.00	90	57.30	56.79	50.00	63.00
21	13.37	12.86	10.00	18.00	61	38.83	38.33	34.00	44.00	91	57.93	57.42	50.00	63.00
22	14.01	13.50	10.00	18.00	62	39.47	38.96	34.00	44.00	92	58.57	58.06	52.00	64.00
23	14.64	14.13	11.00	19.00	63	40.11	39.60	36.00	46.00	93	59.21	58.70	52.00	64.00
24	15.28	14.77	12.00	20.00	64	40.74	40.24	36.00	46.00	94	59.84	59.33	52.00	64.00
25	15.92	15.41	12.00	20.00	65	41.38	40.87	36.00	46.00	95	60.48	59.97	54.00	66.00
26	16.55	16.04	12.00	21.00	66	42.02	41.51	38.00	48.00	96	61.12	60.61	54.00	66.00
27	17.19	16.68	13.00	22.00	67	42.65	42.15	38.00	48.00	97	61.75	61.24	54.00	66.00
28	17.83	17.32	14.00	23.00	68	43.29	42.78	38.00	48.00	98	62.39	61.88	55.00	67.00
29	18.46	17.95	14.00	23.00	69	43.93	43.42	38.00	48.00	99	63.03	62.52	55.00	67.00
30	19.10	18.59	15.00	24.00	70	44.56	44.06	40.00	49.00	100	63.66	63.15	58.00	71.00
31	19.74	19.23	15.00	24.00	71	45.20	44.69	40.00	49.00	101	64.30	63.79	58.00	71.00
32	20.37	19.86	17.00	25.00	72	45.84	45.33	42.00	51.00	102	64.94	64.43	58.00	71.00
33	21.01	20.50	17.00	25.00	73	46.47	45.97	42.00	51.00	103	65.57	65.06	58.00	71.00
34	21.65	21.14	18.00	27.00	74	47.11	46.60	42.00	55.00	104	66.21	65.70	58.00	71.00
35	22.28	21.77	18.00	27.00	75	47.75	47.24	42.00	55.00	105	66.84	66.34	62.00	74.00

■ Belt Tooth Profile



■ Belt Code



■ 3GT Belt Length

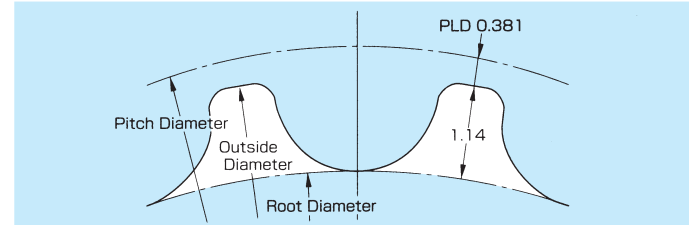
Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
81-3GT	81.0	27	270-3GT	270.0	90	486-3GT	486.0	162	789-3GT	789.0	263
93-3GT	93.0	31	273-3GT	273.0	91	489-3GT	489.0	163	810-3GT	810.0	270
102-3GT	102.0	34	276-3GT	276.0	92	495-3GT	495.0	165	822-3GT	822.0	274
105-3GT	105.0	35	282-3GT	282.0	94	501-3GT	501.0	167	840-3GT	840.0	280
108-3GT	108.0	36	285-3GT	285.0	95	504-3GT	504.0	168	852-3GT	852.0	284
114-3GT	114.0	38	288-3GT	288.0	96	510-3GT	510.0	170	858-3GT	858.0	286
117-3GT	117.0	39	291-3GT	291.0	97	513-3GT	513.0	171	870-3GT	870.0	290
120-3GT	120.0	40	297-3GT	297.0	99	522-3GT	522.0	174	882-3GT	882.0	294
123-3GT	123.0	41	300-3GT	300.0	100	525-3GT	525.0	175	900-3GT	900.0	300
126-3GT	126.0	42	303-3GT	303.0	101	537-3GT	537.0	179	912-3GT	912.0	304
129-3GT	129.0	43	309-3GT	309.0	103	540-3GT	540.0	180	924-3GT	924.0	308
132-3GT	132.0	44	315-3GT	315.0	105	543-3GT	543.0	181	936-3GT	936.0	312
135-3GT	135.0	45	318-3GT	318.0	106	549-3GT	549.0	183	948-3GT	948.0	316
138-3GT	138.0	46	324-3GT	324.0	108	552-3GT	552.0	184	963-3GT	963.0	321
141-3GT	141.0	47	327-3GT	327.0	109	558-3GT	558.0	186	972-3GT	972.0	324
144-3GT	144.0	48	330-3GT	330.0	110	561-3GT	561.0	187	993-3GT	993.0	331
147-3GT	147.0	49	333-3GT	333.0	111	564-3GT	564.0	188	996-3GT	996.0	332
150-3GT	150.0	50	336-3GT	336.0	112	570-3GT	570.0	190	1005-3GT	1005.0	335
156-3GT	156.0	52	339-3GT	339.0	113	576-3GT	576.0	192	1008-3GT	1008.0	336
159-3GT	159.0	53	342-3GT	342.0	114	579-3GT	579.0	193	1014-3GT	1014.0	338
162-3GT	162.0	54	345-3GT	345.0	115	582-3GT	582.0	194	1050-3GT	1050.0	350
168-3GT	168.0	56	348-3GT	348.0	116	597-3GT	597.0	199	1059-3GT	1059.0	353
174-3GT	174.0	58	351-3GT	351.0	117	600-3GT	600.0	200	1068-3GT	1068.0	356
177-3GT	177.0	59	354-3GT	354.0	118	609-3GT	609.0	203	1086-3GT	1086.0	362
180-3GT	180.0	60	357-3GT	357.0	119	612-3GT	612.0	204	1098-3GT	1098.0	366
186-3GT	186.0	62	363-3GT	363.0	121	618-3GT	618.0	206	1113-3GT	1113.0	371
189-3GT	189.0	63	369-3GT	369.0	123	624-3GT	624.0	208	1137-3GT	1137.0	379
192-3GT	192.0	64	375-3GT	375.0	125	633-3GT	633.0	211	1170-3GT	1170.0	390
195-3GT	195.0	65	378-3GT	378.0	126	639-3GT	639.0	213	1188-3GT	1188.0	396
198-3GT	198.0	66	381-3GT	381.0	127	642-3GT	642.0	214	1212-3GT	1212.0	404
201-3GT	201.0	67	384-3GT	384.0	128	651-3GT	651.0	217	1260-3GT	1260.0	420
204-3GT	204.0	68	393-3GT	393.0	131	666-3GT	666.0	222	1290-3GT	1290.0	430
207-3GT	207.0	69	396-3GT	396.0	132	672-3GT	672.0	224	1305-3GT	1305.0	435
210-3GT	210.0	70	399-3GT	399.0	133	675-3GT	675.0	225	1335-3GT	1335.0	445
213-3GT	213.0	71	402-3GT	402.0	134	681-3GT	681.0	227	1374-3GT	1374.0	458
216-3GT	216.0	72	408-3GT	408.0	136	687-3GT	687.0	229	1386-3GT	1386.0	462
222-3GT	222.0	74	414-3GT	414.0	138	690-3GT	690.0	230	1422-3GT	1422.0	474
225-3GT	225.0	75	417-3GT	417.0	139	693-3GT	693.0	231	1446-3GT	1446.0	482
228-3GT	228.0	76	420-3GT	420.0	140	699-3GT	699.0	233	1521-3GT	1521.0	507
231-3GT	231.0	77	423-3GT	423.0	141	702-3GT	702.0	234	1545-3GT	1545.0	515
234-3GT	234.0	78	426-3GT	426.0	142	705-3GT	705.0	235	1569-3GT	1569.0	523
237-3GT	237.0	79	432-3GT	432.0	144	708-3GT	708.0	236	1650-3GT	1650.0	550
240-3GT	240.0	80	444-3GT	444.0	148	720-3GT	720.0	240	1680-3GT	1680.0	560
243-3GT	243.0	81	447-3GT	447.0	149	741-3GT	741.0	247	1722-3GT	1722.0	574
246-3GT	246.0	82	453-3GT	453.0	151	744-3GT	744.0	248	1851-3GT	1851.0	617
252-3GT	252.0	84	456-3GT	456.0	152	750-3GT	750.0	250	1860-3GT	1860.0	620
255-3GT	255.0	85	459-3GT	459.0	153	756-3GT	756.0	252	1947-3GT	1947.0	649
258-3GT	258.0	86	462-3GT	462.0	154	765-3GT	765.0	255	2025-3GT	2025.0	675
264-3GT	264.0	88	471-3GT	471.0	157	774-3GT	774.0	258	2100-3GT	2100.0	700
267-3GT	267.0	89	480-3GT	480.0	160	783-3GT	783.0	261	2340-3GT	2340.0	780
									2490-3GT	2490.0	830
									2547-3GT	2547.0	849
									2790-3GT	2790.0	930

■ 3GT Standard Belt Width

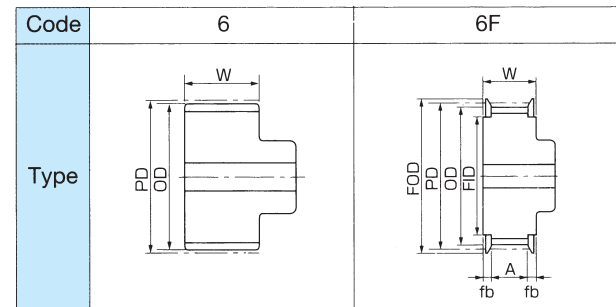
Belt Width(mm)	4.0	6.0	9.0	12.0	15.0	20.0
Belt Width Code	4	6	9	12	15	20

3GT Pulley

■ Pulley Groove Profile



■ Pulley Type



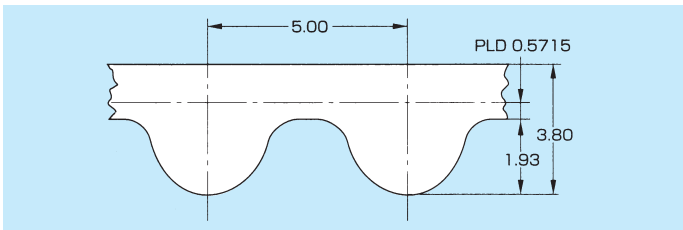
■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
					46	43.93	43.16	38.00	48.00	86	82.12	81.36	76.00	86.00	116	110.77	110.01	105.00	114.00
					47	44.88	44.12	39.00	49.00	87	83.08	82.32	77.00	87.00	117	111.73	110.96	106.00	115.00
					48	45.84	45.07	40.00	49.00	88	84.03	83.27	78.00	88.00	118	112.68	111.92	107.00	116.00
					49	46.79	46.03	41.00	50.00	89	84.99	84.23	79.00	89.00	119	113.64	112.87	108.00	117.00
10	9.55	8.79	6.00	13.00	50	47.75	46.98	42.00	51.00	90	85.94	85.18	80.00	90.00	120	114.59	113.83	109.00	118.00
11	10.50	9.74	7.00	14.00	51	48.70	47.94	43.00	52.00	91	86.90	86.14	81.00	91.00	121	115.55	114.78	110.00	119.00
12	11.46	10.70	7.00	15.00	52	49.66	48.89	44.00	53.00	92	87.85	87.09	82.00	91.00	122	116.50	115.74	111.00	120.00
13	12.41	11.65	8.00	16.00	53	50.61	49.85	45.00	54.00	93	88.81	88.05	83.00	92.00	123	117.46	116.69	112.00	121.00
14	13.37	12.61	9.00	17.00	54	51.57	50.80	46.00	55.00	94	89.76	89.00	84.00	93.00	124	118.41	117.65	113.00	122.00
15	14.32	13.56	10.00	18.00	55	52.52	51.76	47.00	56.00	95	90.72	89.96	85.00	94.00	125	119.37	118.60	114.00	123.00
16	15.28	14.52	11.00	19.00	56	53.48	52.71	48.00	57.00	96	91.67	90.91	86.00	95.00	126	120.32	119.56	115.00	124.00
17	16.23	15.47	12.00	20.00	57	54.43	53.67	49.00	58.00	97	92.63	91.87	87.00	96.00	127	121.28	120.51	116.00	125.00
18	17.19	16.43	12.00	21.00	58	55.39	54.62	50.00	59.00	98	93.58	92.82	88.00	97.00	128	122.23	121.47	117.00	126.00
19	18.14	17.38	13.00	22.00	59	56.34	55.58	51.00	60.00	99	94.54	93.78	89.00	98.00	129	123.19	122.42	118.00	127.00
20	19.10	18.34	14.00	23.00	60	57.30	56.53	52.00	61.00	100	95.49	94.73	90.00	99.00	130	124.14	123.38	118.00	128.00
21	20.05	19.29	15.00	24.00	61	58.25	57.49	53.00	62.00	101	96.45	95.69	90.00	100.00	131	125.10	124.33	119.00	129.00
22	21.01	20.25	16.00	24.00	62	59.21	58.44	54.00	63.00	102	97.40	96.64	91.00	101.00	132	126.05	125.29	120.00	130.00
23	21.96	21.20	17.00	25.00	63	60.16	59.40	53.00	64.00	103	98.36	97.60	92.00	102.00	133	127.01	126.24	121.00	131.00
24	22.92	22.16	18.00	26.00	64	61.12	60.35	56.00	65.00	104	99.31	98.55	93.00	103.00	134	127.96	127.20	122.00	132.00
25	23.87	23.11	18.00	27.00	65	62.07	61.31	56.00	66.00	105	100.27	99.51	94.00	104.00	135	128.92	128.15	123.00	133.00
26	24.83	24.07	19.00	28.00	66	63.03	62.26	57.00	67.00	106	101.22	100.46	95.00	105.00	136	129.87	129.11	124.00	134.00
27	25.78	25.02	20.00	29.00	67	63.98	63.22	58.00	68.00	107	102.18	101.42	96.00	106.00	137	130.83	130.06	125.00	134.00
28	26.74	25.98	21.00	30.00	68	64.94	64.17	59.00	69.00	108	103.13	102.37	97.00	107.00	138	131.78	131.02	126.00	135.00
29	27.69	26.93	22.00	31.00	69	65.89	65.13	60.00	70.00	109	104.09	103.33	98.00	108.00	139	132.74	131.97	127.00	136.00
30	28.65	27.89	23.00	32.00	70	66.85	66.08	61.00	70.00	110	105.04	104.28	99.00	109.00	140	133.69	132.93	128.00	137.00
31	29.60	28.84	24.00	33.00	71	67.80	67.04	62.00	71.00	111	106.00	105.24	100.00	110.00	141	134.65	133.88	129.00	138.00
32	30.56	29.80	25.00	34.00	72	68.75	67.99	63.00	72.00	112	106.95	106.19	101.00	111.00	142	135.60	134.84	130.00	139.00
33	31.51	30.75	26.00	35.00	73	69.71	68.95	64.00	73.00	113	107.91	107.15	102.00	112.00	143	136.55	135.79	131.00	140.00
34	32.47	31.71	27.00	36.00	74	70.66	69.90	65.00	74.00	114	108.86	108.10	103.00	113.00	144	137.51	136.75	132.00	141.00
35	33.42	32.66	28.00	37.00	75	71.62	70.86	66.00	75.00	115	109.82	109.05	104.00	113.00	145	138.46	137.70	133.00	142.00
36	34.38	33.62	29.00	38.00	76	72.57	71.81	67.00	76.00										
37	35.33	34.57	30.00	39.00	77	73.53	72.77	68.00	77.00										
38	36.29	35.52	31.00	40.00	78	74.48	73.72	69.00	78.00										
39	37.24	36.48	32.00	41.00	79	75.44	74.68	70.00	79.00										
40	38.20	37.44	33.00	42.00	80	76.39	75.63	71.00	80.00										
41	39.15	38.39	34.00	43.00	81	77.35	76.59	72.00	81.00										
42	40.11	39.35	34.00	44.00	82	78.30	77.54	73.00	82.00										
43	41.06	40.30	35.00	45.00	83	79.26	78.50	74.00	83.00										
44	42.02	41.25	36.00	46.00	84	80.21	79.45	75.00	84.00										
45	42.97	42.21	37.00	47.00	85	81.17	80.41	76.00	85.00										

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5GT Pulley



■ Belt Code

5mm Pitch **500-5GT-15**

Belt Width

Belt Type

Pitch Length

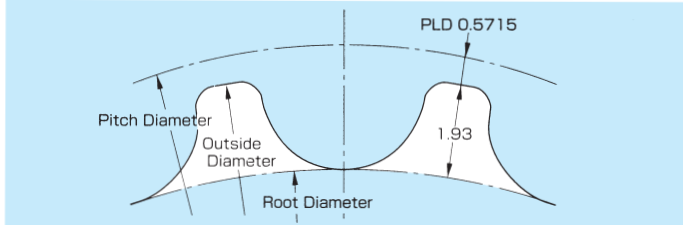
■ 5GT Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
185-5GT	185	37	550-5GT	550	110	1080-5GT	1080	216
225-5GT	225	45	560-5GT	560	112	1090-5GT	1090	218
230-5GT	230	46	565-5GT	565	113	1145-5GT	1145	229
240-5GT	240	48	570-5GT	570	114	1155-5GT	1155	231
245-5GT	245	49	575-5GT	575	115	1165-5GT	1165	233
250-5GT	250	50	580-5GT	580	116	1170-5GT	1170	234
255-5GT	255	51	595-5GT	595	119	1180-5GT	1180	236
260-5GT	260	52	600-5GT	600	120	1190-5GT	1190	238
270-5GT	270	54	610-5GT	610	122	1210-5GT	1210	242
275-5GT	275	55	615-5GT	615	123	1225-5GT	1225	245
295-5GT	295	59	625-5GT	625	125	1250-5GT	1250	250
300-5GT	300	60	635-5GT	635	127	1270-5GT	1270	254
315-5GT	315	63	645-5GT	645	129	1290-5GT	1290	258
320-5GT	320	64	655-5GT	655	131	1315-5GT	1315	263
340-5GT	340	68	670-5GT	670	134	1330-5GT	1330	266
350-5GT	350	70	675-5GT	675	135	1390-5GT	1390	278
360-5GT	360	72	695-5GT	695	139	1400-5GT	1400	280
365-5GT	365	73	700-5GT	700	140	1440-5GT	1440	288
370-5GT	370	74	710-5GT	710	142	1475-5GT	1475	295
375-5GT	375	75	720-5GT	720	144	1500-5GT	1500	300
385-5GT	385	77	730-5GT	730	146	1530-5GT	1530	306
390-5GT	390	78	740-5GT	740	148	1535-5GT	1535	307
400-5GT	400	80	750-5GT	750	150	1550-5GT	1550	310
405-5GT	405	81	770-5GT	770	154	1585-5GT	1585	317
410-5GT	410	82	775-5GT	775	155	1615-5GT	1615	323
415-5GT	415	83	800-5GT	800	160	1630-5GT	1630	326
420-5GT	420	84	810-5GT	810	162	1675-5GT	1675	335
430-5GT	430	86	815-5GT	815	163	1690-5GT	1690	338
435-5GT	435	87	825-5GT	825	165	1715-5GT	1715	343
440-5GT	440	88	830-5GT	830	166	1800-5GT	1800	360
450-5GT	450	90	840-5GT	840	168	1875-5GT	1875	375
460-5GT	460	92	845-5GT	845	169	1960-5GT	1960	392
465-5GT	465	93	850-5GT	850	170	2115-5GT	2115	423
470-5GT	470	94	860-5GT	860	172	2200-5GT	2200	440
475-5GT	475	95	870-5GT	870	174	2350-5GT	2350	470
485-5GT	485	97	880-5GT	880	176	2495-5GT	2495	499
490-5GT	490	98	895-5GT	895	179	2645-5GT	2645	529
500-5GT	500	100	900-5GT	900	180	2910-5GT	2910	582
505-5GT	505	101	920-5GT	920	184	3175-5GT	3175	635
510-5GT	510	102	935-5GT	935	187	3640-5GT	3640	728
520-5GT	520	104	960-5GT	960	192			
525-5GT	525	105	970-5GT	970	194			
530-5GT	530	106	1000-5GT	1000	200			
540-5GT	540	108	1025-5GT	1025	205			
545-5GT	545	109	1050-5GT	1050	210			

■ 5GT Standard Belt Width

Belt Width(mm)	9.0	15.0	20.0	25.0	30.0	40.0
Belt Width Code	9	15	20	25	30	40

■ Pulley Groove Profile



■ Pully Code

5mm Pitch **P30-5GT-15-6F**

- Pulley Type
- Belt Width
- Pitch
- Number of Groove

■ Pulley Type

Code	6	6F
Type		

■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
14	22.28	21.14	16.00	26.00	51	81.17	80.03	73.00	85.00	91	144.83	143.69	136.00	149.00	121	192.58	191.43	184.00	196.00
					52	82.76	81.62	74.00	86.00	92	146.42	145.28	138.00	150.00	122	194.17	193.03	186.00	198.00
					53	84.35	83.21	76.00	88.00	93	148.01	146.87	139.00	152.00	123	195.76	194.62	187.00	200.00
					54	85.94	84.80	77.00	90.00	94	149.61	148.46	141.00	153.00	124	197.35	196.21	189.00	201.00
					55	87.54	86.39	79.00	91.00	95	151.20	150.05	143.00	155.00	125	198.94	197.80	190.00	203.00
16	25.46	24.32	19.00	29.00	56	89.13	87.98	81.00	93.00	96	152.79	151.65	144.00	157.00	126	200.54	199.39	192.00	204.00
17	27.06	25.91	20.00	31.00	57	90.72	89.58	82.00	94.00	97	154.38	153.24	146.00	158.00	127	202.13	200.98	193.00	206.00
18	28.65	27.50	22.00	32.00	58	92.31	91.17	84.00	96.00	98	155.97	154.83	147.00	160.00	128	203.72	202.58	195.00	207.00
19	30.24	29.10	23.00	34.00	59	93.90	92.76	85.00	98.00	99	157.56	156.42	149.00	161.00	129	205.31	204.17	197.00	209.00
20	31.83	30.69	24.00	35.00	60	95.49	94.35	87.00	99.00	100	159.15	158.01	151.00	163.00	130	206.90	205.76	198.00	211.00
21	33.42	32.28	26.00	37.00	61	97.08	95.94	89.00	101.00	101	160.75	159.60	152.00	165.00	131	208.49	207.35	200.00	212.00
22	35.01	33.87	27.00	39.00	62	98.68	97.53	90.00	102.00	102	162.34	161.20	154.00	166.00	132	210.08	208.94	201.00	214.00
23	36.61	35.46	29.00	40.00	63	100.27	99.12	92.00	104.00	103	163.93	162.79	155.00	168.00	133	211.68	210.53	203.00	215.00
24	38.20	37.05	30.00	42.00	64	101.86	100.72	93.00	106.00	104	165.52	164.38	157.00	169.00	134	213.27	212.12	205.00	217.00
25	39.79	38.65	32.00	43.00	65	103.45	102.31	95.00	107.00	105	167.11	165.97	158.00	171.00	135	214.86	213.72	206.00	219.00
26	41.38	40.24	33.00	45.00	66	105.04	103.90	96.00	109.00	106	168.70	167.56	160.00	172.00	136	216.45	215.31	208.00	220.00
27	42.97	41.83	34.00	47.00	67	106.63	105.49	98.00	110.00	107	170.30	169.15	162.00	174.00	137	218.04	216.90	209.00	222.00
28	44.56	43.42	36.00	48.00	68	108.23	107.08	100.00	112.00	108	171.89	170.74	163.00	176.00	138	219.63	218.49	211.00	223.00
29	46.15	45.01	38.00	50.00	69	109.82	108.67	101.00	114.00	109	173.48	172.48	165.00	177.00	139	221.23	220.08	213.00	225.00
30	47.75	46.60	39.00	51.00	70	111.41	110.27	103.00	115.00	110	175.07	173.93	166.00	179.00	140	222.82	221.67	214.00	227.00
31	49.34	48.20	41.00	53.00	71	113.00	111.86	104.00	117.00	111	176.66	175.52	168.00	180.00	141	224.41	223.27	216.00	228.00
32	50.93	49.79	42.00	55.00	72	114.59	113.45	106.00	118.00	112	178.25	177.11	170.00	182.00	142	226.00	224.86	217.00	230.00
33	52.52	51.38	44.00	56.00	73	116.18	115.04	108.00	120.00	113	179.85	178.70	171.00	184.00	143	227.59	226.45	219.00	231.00
34	54.11	52.97	46.00	58.00	74	117.77	116.63	109.00	122.00	114	181.44	180.29	173.00	185.00	144	229.18	228.04	221.00	233.00
35	55.70	54.56	47.00	59.00	75	119.37	118.22	111.00	123.00	115	183.03	181.89	174.00	187.00	145	230.77	229.63	222.00	235.00
36	57.30	56.15	49.00	61.00	76	120.96	119.81	112.00	125.00	116	184.62	183.48	176.00	188.00	146	232.37	231.22	224.00	236.00
37	58.89	57.74	50.00	63.00	77	122.55	121.41	114.00	126.00	117	186.21	185.07	178.00	190.00	147	233.96	233.81	225.00	238.00
38	60.48	59.34	52.00	64.00	78	124.14	123.00	116.00	128.00	118	187.80	186.66	179.00	192.00	148	235.55	234.41	227.00	239.00
39	62.07	60.93	54.00	66.00	79	125.73	124.59	117.00	129.00	119	189.39	188.25	181.00	193.00	149	237.14	236.00	229.00	241.00
40	63.66	62.52	55.00	67.00	80	127.32	126.18	119.00	131.00	120	190.99	189.84	182.00	195.00	150	238.73	237.59	230.00	242.00
41	65.25	64.11	57.00	69.00	81	128.92	127.77	120.00	133.00										
42	66.85	65.70	58.00	71.00	82	130.51	129.36	122.00	134.00										
43	68.44	67.29	60.00	72.00	83	132.10	130.96	124.00	136.00										
44	70.03	68.89	62.00	74.00	84	133.69	132.55	125.00	137.00										
45	71.62	70.48	63.00	75.00	85	135.28	134.14	127.00	139.00										
46	73.21	72.07	65.00	77.00	86	136.87	135.73	128.00	141.00										
47	74.80	73.66	66.00	79.00	87	138.46	137.32	130.00	142.00										
48	76.39	75.25	68.00	80.00	88	140.06	138.91	132.00	144.00										
49	77.99	76.84	69.00	82.00	89	141.65	140.50	133.00	145.00										
50	79.58	78.43	71.00	83.00	90	143.24	142.10	135.00	147.00										

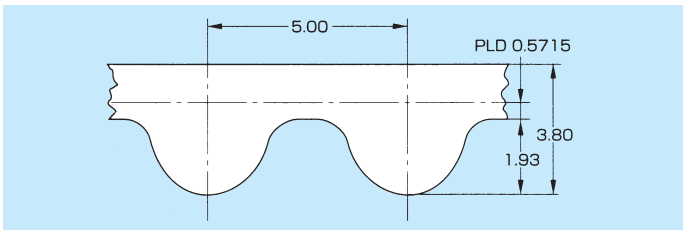
$$\text{Pulley Pitch Diameter} = \frac{P \times N}{\pi}$$

$$\text{Outside Diameter (OD)} = \text{PD} - 2 \times \text{PLD}$$

P : Belt Pitch (mm)
 N : No. of Grooves
 π : Ratio of Circumference
 $5GT \cdot PLD : 0.5715 \text{ mm}$



5GT Pulley



■ Belt Code

5mm Pitch **500-5GT-15**

Belt Width

Belt Type

Pitch Length

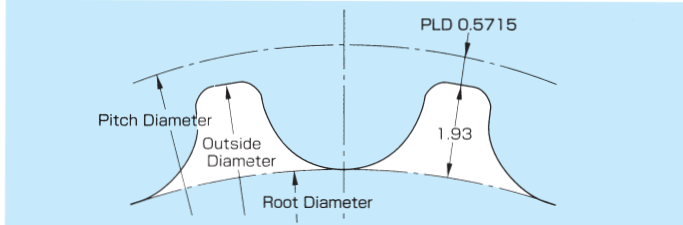
■ 5GT Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
185-5GT	185	37	550-5GT	550	110	1080-5GT	1080	216
225-5GT	225	45	560-5GT	560	112	1090-5GT	1090	218
230-5GT	230	46	565-5GT	565	113	1145-5GT	1145	229
240-5GT	240	48	570-5GT	570	114	1155-5GT	1155	231
245-5GT	245	49	575-5GT	575	115	1165-5GT	1165	233
250-5GT	250	50	580-5GT	580	116	1170-5GT	1170	234
255-5GT	255	51	595-5GT	595	119	1180-5GT	1180	236
260-5GT	260	52	600-5GT	600	120	1190-5GT	1190	238
270-5GT	270	54	610-5GT	610	122	1210-5GT	1210	242
275-5GT	275	55	615-5GT	615	123	1225-5GT	1225	245
295-5GT	295	59	625-5GT	625	125	1250-5GT	1250	250
300-5GT	300	60	635-5GT	635	127	1270-5GT	1270	254
315-5GT	315	63	645-5GT	645	129	1290-5GT	1290	258
320-5GT	320	64	655-5GT	655	131	1315-5GT	1315	263
340-5GT	340	68	670-5GT	670	134	1330-5GT	1330	266
350-5GT	350	70	675-5GT	675	135	1390-5GT	1390	278
360-5GT	360	72	695-5GT	695	139	1400-5GT	1400	280
365-5GT	365	73	700-5GT	700	140	1440-5GT	1440	288
370-5GT	370	74	710-5GT	710	142	1475-5GT	1475	295
375-5GT	375	75	720-5GT	720	144	1500-5GT	1500	300
385-5GT	385	77	730-5GT	730	146	1530-5GT	1530	306
390-5GT	390	78	740-5GT	740	148	1535-5GT	1535	307
400-5GT	400	80	750-5GT	750	150	1550-5GT	1550	310
405-5GT	405	81	770-5GT	770	154	1585-5GT	1585	317
410-5GT	410	82	775-5GT	775	155	1615-5GT	1615	323
415-5GT	415	83	800-5GT	800	160	1630-5GT	1630	326
420-5GT	420	84	810-5GT	810	162	1675-5GT	1675	335
430-5GT	430	86	815-5GT	815	163	1690-5GT	1690	338
435-5GT	435	87	825-5GT	825	165	1715-5GT	1715	343
440-5GT	440	88	830-5GT	830	166	1800-5GT	1800	360
450-5GT	450	90	840-5GT	840	168	1875-5GT	1875	375
460-5GT	460	92	845-5GT	845	169	1960-5GT	1960	392
465-5GT	465	93	850-5GT	850	170	2115-5GT	2115	423
470-5GT	470	94	860-5GT	860	172	2200-5GT	2200	440
475-5GT	475	95	870-5GT	870	174	2350-5GT	2350	470
485-5GT	485	97	880-5GT	880	176	2495-5GT	2495	499
490-5GT	490	98	895-5GT	895	179	2645-5GT	2645	529
500-5GT	500	100	900-5GT	900	180	2910-5GT	2910	582
505-5GT	505	101	920-5GT	920	184	3175-5GT	3175	635
510-5GT	510	102	935-5GT	935	187	3640-5GT	3640	728
520-5GT	520	104	960-5GT	960	192			
525-5GT	525	105	970-5GT	970	194			
530-5GT	530	106	1000-5GT	1000	200			
540-5GT	540	108	1025-5GT	1025	205			
545-5GT	545	109	1050-5GT	1050	210			

■ 5GT Standard Belt Width

Belt Width(mm)	9.0	15.0	20.0	25.0	30.0	40.0
Belt Width Code	9	15	20	25	30	40

■ Pulley Groove Profile



■ Pully Code

5mm Pitch **P30-5GT-15-6F**

- Pulley Type
- Belt Width
- Pitch
- Number of Groove

■ Pulley Type

Code	6	6F
Type		

■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
14	22.28	21.14	16.00	26.00	51	81.17	80.03	73.00	85.00	91	144.83	143.69	136.00	149.00	121	192.58	191.43	184.00	196.00
					52	82.76	81.62	74.00	86.00	92	146.42	145.28	138.00	150.00	122	194.17	193.03	186.00	198.00
					53	84.35	83.21	76.00	88.00	93	148.01	146.87	139.00	152.00	123	195.76	194.62	187.00	200.00
					54	85.94	84.80	77.00	90.00	94	149.61	148.46	141.00	153.00	124	197.35	196.21	189.00	201.00
					55	87.54	86.39	79.00	91.00	95	151.20	150.05	143.00	155.00	125	198.94	197.80	190.00	203.00
16	25.46	24.32	19.00	29.00	56	89.13	87.98	81.00	93.00	96	152.79	151.65	144.00	157.00	126	200.54	199.39	192.00	204.00
17	27.06	25.91	20.00	31.00	57	90.72	89.58	82.00	94.00	97	154.38	153.24	146.00	158.00	127	202.13	200.98	193.00	206.00
18	28.65	27.50	22.00	32.00	58	92.31	91.17	84.00	96.00	98	155.97	154.83	147.00	160.00	128	203.72	202.58	195.00	207.00
19	30.24	29.10	23.00	34.00	59	93.90	92.76	85.00	98.00	99	157.56	156.42	149.00	161.00	129	205.31	204.17	197.00	209.00
20	31.83	30.69	24.00	35.00	60	95.49	94.35	87.00	99.00	100	159.15	158.01	151.00	163.00	130	206.90	205.76	198.00	211.00
21	33.42	32.28	26.00	37.00	61	97.08	95.94	89.00	101.00	101	160.75	159.60	152.00	165.00	131	208.49	207.35	200.00	212.00
22	35.01	33.87	27.00	39.00	62	98.68	97.53	90.00	102.00	102	162.34	161.20	154.00	166.00	132	210.08	208.94	201.00	214.00
23	36.61	35.46	29.00	40.00	63	100.27	99.12	92.00	104.00	103	163.93	162.79	155.00	168.00	133	211.68	210.53	203.00	215.00
24	38.20	37.05	30.00	42.00	64	101.86	100.72	93.00	106.00	104	165.52	164.38	157.00	169.00	134	213.27	212.12	205.00	217.00
25	39.79	38.65	32.00	43.00	65	103.45	102.31	95.00	107.00	105	167.11	165.97	158.00	171.00	135	214.86	213.72	206.00	219.00
26	41.38	40.24	33.00	45.00	66	105.04	103.90	96.00	109.00	106	168.70	167.56	160.00	172.00	136	216.45	215.31	208.00	220.00
27	42.97	41.83	34.00	47.00	67	106.63	105.49	98.00	110.00	107	170.30	169.15	162.00	174.00	137	218.04	216.90	209.00	222.00
28	44.56	43.42	36.00	48.00	68	108.23	107.08	100.00	112.00	108	171.89	170.74	163.00	176.00	138	219.63	218.49	211.00	223.00
29	46.15	45.01	38.00	50.00	69	109.82	108.67	101.00	114.00	109	173.48	172.48	165.00	177.00	139	221.23	220.08	213.00	225.00
30	47.75	46.60	39.00	51.00	70	111.41	110.27	103.00	115.00	110	175.07	173.93	166.00	179.00	140	222.82	221.67	214.00	227.00
31	49.34	48.20	41.00	53.00	71	113.00	111.86	104.00	117.00	111	176.66	175.52	168.00	180.00	141	224.41	223.27	216.00	228.00
32	50.93	49.79	42.00	55.00	72	114.59	113.45	106.00	118.00	112	178.25	177.11	170.00	182.00	142	226.00	224.86	217.00	230.00
33	52.52	51.38	44.00	56.00	73	116.18	115.04	108.00	120.00	113	179.85	178.70	171.00	184.00	143	227.59	226.45	219.00	231.00
34	54.11	52.97	46.00	58.00	74	117.77	116.63	109.00	122.00	114	181.44	180.29	173.00	185.00	144	229.18	228.04	221.00	233.00
35	55.70	54.56	47.00	59.00	75	119.37	118.22	111.00	123.00	115	183.03	181.89	174.00	187.00	145	230.77	229.63	222.00	235.00
36	57.30	56.15	49.00	61.00	76	120.96	119.81	112.00	125.00	116	184.62	183.48	176.00	188.00	146	232.37	231.22	224.00	236.00
37	58.89	57.74	50.00	63.00	77	122.55	121.41	114.00	126.00	117	186.21	185.07	178.00	190.00	147	233.96	233.81	225.00	238.00
38	60.48	59.34	52.00	64.00	78	124.14	123.00	116.00	128.00	118	187.80	186.66	179.00	192.00	148	235.55	234.41	227.00	239.00
39	62.07	60.93	54.00	66.00	79	125.73	124.59	117.00	129.00	119	189.39	188.25	181.00	193.00	149	237.14	236.00	229.00	241.00
40	63.66	62.52	55.00	67.00	80	127.32	126.18	119.00	131.00	120	190.99	189.84	182.00	195.00	150	238.73	237.59	230.00	242.00
41	65.25	64.11	57.00	69.00	81	128.92	127.77	120.00	133.00										
42	66.85	65.70	58.00	71.00	82	130.51	129.36	122.00	134.00										
43	68.44	67.29	60.00	72.00	83	132.10	130.96	124.00	136.00										
44	70.03	68.89	62.00	74.00	84	133.69	132.55	125.00	137.00										
45	71.62	70.48	63.00	75.00	85	135.28	134.14	127.00	139.00										
46	73.21	72.07	65.00	77.00	86	136.87	135.73	128.00	141.00										
47	74.80	73.66	66.00	79.00	87	138.46	137.32	130.00	142.00										
48	76.39	75.25	68.00	80.00	88	140.06	138.91	132.00	144.00										
49	77.99	76.84	69.00	82.00	89	141.65	140.50	133.00	145.00										
50	79.58	78.43	71.00	83.00	90	143.24	142.10	135.00	147.00										

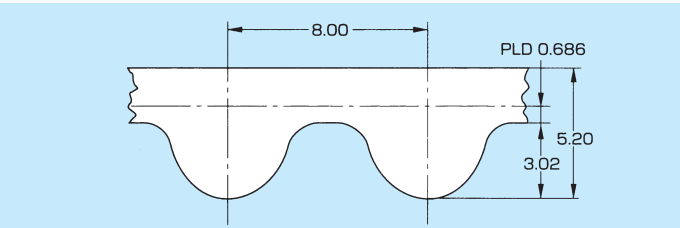
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$$\text{Pulley Pitch Diameter} = \frac{P \times N}{\pi}$$

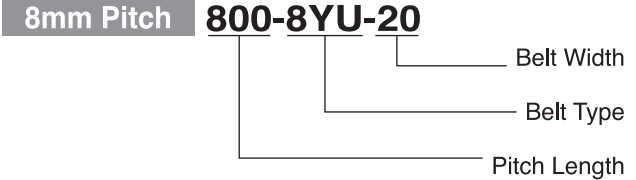
$$\text{Outside Diameter (OD)} = \text{PD} - 2 \times \text{PLD}$$

P : Belt Pitch (mm)
 N : No. of Grooves
 π : Ratio of Circumference
 $5GT \cdot PLD : 0.5715 \text{ mm}$

■ Belt Tooth Profile



■ Belt Code



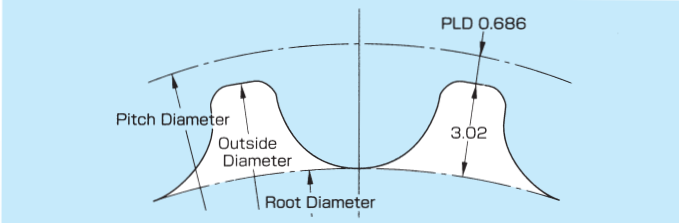
■ 8YU Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
312-8YU	312.0	39	856-8YU	856.0	107	1240-8YU	1240.0	155	1768-8YU	1768.0	221
328-8YU	328.0	41	864-8YU	864.0	108	1248-8YU	1248.0	156	1776-8YU	1776.0	222
344-8YU	344.0	43	872-8YU	872.0	109	1256-8YU	1256.0	157	1784-8YU	1784.0	223
408-8YU	408.0	51	880-8YU	880.0	110	1264-8YU	1264.0	158	1808-8YU	1808.0	226
416-8YU	416.0	52	888-8YU	888.0	111	1272-8YU	1272.0	159	1816-8YU	1816.0	227
432-8YU	432.0	54	896-8YU	896.0	112	1280-8YU	1280.0	160	1824-8YU	1824.0	228
440-8YU	440.0	55	904-8YU	904.0	113	1288-8YU	1288.0	161	1856-8YU	1856.0	232
464-8YU	464.0	58	912-8YU	912.0	114	1296-8YU	1296.0	162	1864-8YU	1864.0	233
472-8YU	472.0	59	920-8YU	920.0	115	1304-8YU	1304.0	163	1872-8YU	1872.0	234
480-8YU	480.0	60	928-8YU	928.0	116	1312-8YU	1312.0	164	1888-8YU	1888.0	236
488-8YU	488.0	61	936-8YU	936.0	117	1320-8YU	1320.0	165	1896-8YU	1896.0	237
504-8YU	504.0	63	944-8YU	944.0	118	1328-8YU	1328.0	166	1912-8YU	1912.0	239
512-8YU	512.0	64	952-8YU	952.0	119	1336-8YU	1336.0	167	1928-8YU	1928.0	241
520-8YU	520.0	65	960-8YU	960.0	120	1344-8YU	1344.0	168	1944-8YU	1944.0	243
536-8YU	536.0	67	968-8YU	968.0	121	1352-8YU	1352.0	169	1952-8YU	1952.0	244
544-8YU	544.0	68	976-8YU	976.0	122	1360-8YU	1360.0	170	1976-8YU	1976.0	247
552-8YU	552.0	69	984-8YU	984.0	123	1376-8YU	1376.0	172	2000-8YU	2000.0	250
560-8YU	560.0	70	992-8YU	992.0	124	1384-8YU	1384.0	173	2056-8YU	2056.0	257
576-8YU	576.0	72	1000-8YU	1000.0	125	1392-8YU	1392.0	174	2072-8YU	2072.0	259
600-8YU	600.0	75	1008-8YU	1008.0	126	1400-8YU	1400.0	175	2120-8YU	2120.0	265
608-8YU	608.0	76	1016-8YU	1016.0	127	1416-8YU	1416.0	177	2136-8YU	2136.0	267
616-8YU	616.0	77	1032-8YU	1032.0	129	1424-8YU	1424.0	178	2160-8YU	2160.0	270
624-8YU	624.0	78	1040-8YU	1040.0	130	1440-8YU	1440.0	180	2240-8YU	2240.0	280
632-8YU	632.0	79	1056-8YU	1056.0	132	1448-8YU	1448.0	181	2248-8YU	2248.0	281
640-8YU	640.0	80	1064-8YU	1064.0	133	1456-8YU	1456.0	182	2264-8YU	2264.0	283
656-8YU	656.0	82	1072-8YU	1072.0	134	1464-8YU	1464.0	183	2280-8YU	2280.0	285
664-8YU	664.0	83	1080-8YU	1080.0	135	1480-8YU	1480.0	185	2296-8YU	2296.0	287
680-8YU	680.0	85	1088-8YU	1088.0	136	1496-8YU	1496.0	187	2304-8YU	2304.0	288
704-8YU	704.0	88	1096-8YU	1096.0	137	1520-8YU	1520.0	190	2328-8YU	2328.0	291
720-8YU	720.0	90	1112-8YU	1112.0	139	1544-8YU	1544.0	193	2400-8YU	2400.0	300
728-8YU	728.0	91	1120-8YU	1120.0	140	1568-8YU	1568.0	196	2456-8YU	2456.0	307
744-8YU	744.0	93	1128-8YU	1128.0	141	1576-8YU	1576.0	197	2600-8YU	2600.0	325
752-8YU	752.0	94	1136-8YU	1136.0	142	1600-8YU	1600.0	200	2800-8YU	2800.0	350
760-8YU	760.0	95	1144-8YU	1144.0	143	1608-8YU	1608.0	201	3200-8YU	3200.0	400
768-8YU	768.0	96	1152-8YU	1152.0	144	1616-8YU	1616.0	202	3440-8YU	3440.0	430
776-8YU	776.0	97	1160-8YU	1160.0	145	1640-8YU	1640.0	205	4400-8YU	4400.0	550
784-8YU	784.0	98	1168-8YU	1168.0	146	1656-8YU	1656.0	207	5008-8YU	5008.0	626
792-8YU	792.0	99	1176-8YU	1176.0	147	1680-8YU	1680.0	210			
800-8YU	800.0	100	1184-8YU	1184.0	148	1688-8YU	1688.0	211			
808-8YU	808.0	101	1192-8YU	1192.0	149	1696-8YU	1696.0	212			
816-8YU	816.0	102	1200-8YU	1200.0	150	1720-8YU	1720.0	215			
824-8YU	824.0	103	1208-8YU	1208.0	151	1728-8YU	1728.0	216			
832-8YU	832.0	104	1216-8YU	1216.0	152	1736-8YU	1736.0	217			
840-8YU	840.0	105	1224-8YU	1224.0	153	1752-8YU	1752.0	219			
848-8YU	848.0	106	1232-8YU	1232.0	154	1760-8YU	1760.0	220			

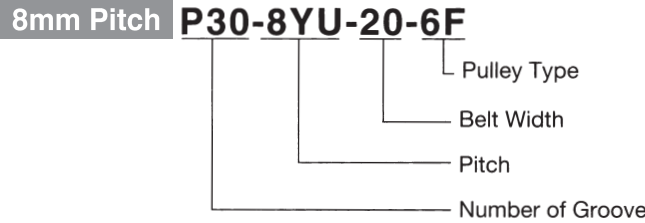
■ 8YU Standard Belt Width

Belt Width(mm)	20.0	25.0	30.0	40.0	50.0	60.0	70.0	85.0
Belt Width Code	20	25	30	40	50	60	70	85

■ Pulley Groove Profile



■ Pulley Code



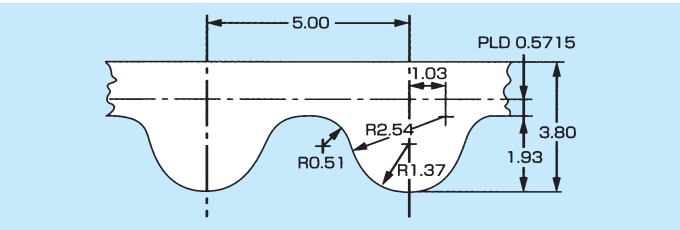
■ Pulley Type

Code	6	6F
Type		

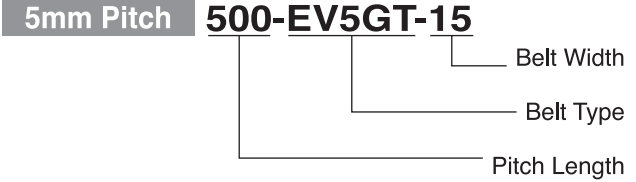
■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
					56	142.60	141.23	130.00	151.00	96	244.46	243.09	231.00	253.00	126	320.86	319.48	308.00	330.00
					57	145.15	143.78	132.00	154.00	97	247.01	245.64	234.00	256.00	127	323.40	322.03	310.00	332.00
					58	147.70	146.32	135.00	156.00	98	249.55	248.18	236.00	258.00	128	325.95	324.58	313.00	335.00
					59	150.24	148.87	137.00	159.00	99	252.10	250.73	239.00	261.00	129	328.50	327.12	315.00	337.00
20	50.93	49.56	40.00	62.00	60	152.79	151.42	140.00	161.00	100	254.65	253.28	242.00	263.00	130	331.04	329.67	318.00	340.00
21	53.48	52.10	40.00	62.00	61	155.34	153.96	142.00	164.00	101	257.19	255.82	244.00	266.00	131	333.59	332.22	320.00	342.00
22	56.02	54.65	45.00	64.00	62	157.88	156.51	145.00	166.00	102	259.74	258.37	247.00	268.00	132	336.14	334.76	323.00	345.00
23	58.57	57.20	47.00	67.00	63	160.43	159.06	147.00	169.00	103	262.29	260.92	249.00	271.00	133	338.68	337.31	326.00	348.00
24	61.12	59.74	50.00	70.00	64	162.97	161.60	150.00	172.00	104	264.83	263.46	252.00	274.00	134	341.23	339.86	328.00	350.00
25	63.66	62.29	52.00	72.00	65	165.52	164.15	153.00	174.00	105	267.38	266.01	254.00	276.00	135	343.77	342.40	331.00	353.00
26	66.21	64.84	54.00	75.00	66	168.07	166.70	155.00	177.00	106	269.93	268.55	257.00	279.00	136	346.32	344.95	333.00	355.00
27	68.75	67.38	57.00	77.00	67	170.61	169.24	158.00	179.00	107	272.47	271.10	259.00	281.00	137	348.87	347.50	336.00	358.00
28	71.30	69.93	59.00	80.00	68	173.16	171.79	160.00	182.00	108	275.02	273.65	262.00	284.00	138	351.41	350.04	338.00	360.00
29	73.85	72.48	62.00	82.00	69	175.71	174.34	163.00	184.00	109	277.57	276.19	264.00	286.00	139	353.96	352.59	341.00	363.00
30	76.39	75.02	64.00	85.00	70	178.25	176.88	165.00	187.00	110	280.11	278.74	267.00	289.00	140	356.51	355.14	343.00	365.00
31	78.94	77.57	67.00	88.00	71	180.80	179.43	168.00	190.00	111	282.66	281.29	270.00	291.00	141	359.05	357.68	346.00	368.00
32	81.49	80.12	69.00	90.00	72	183.35	181.97	171.00	192.00	112	285.21	283.83	272.00	294.00	142	361.60	360.23	348.00	370.00
33	84.03	82.66	71.00	93.00	73	185.89	184.52	173.00	195.00	113	287.75	286.38	275.00	296.00	143	364.15	362.77	351.00	373.00
34	86.58	85.21	74.00	95.00	74	188.44	187.07	175.00	197.00	114	290.30	288.93	277.00	299.00	144	366.69	365.32	354.00	376.00
35	89.13	87.75	76.00	98.00	75	190.99	189.61	178.00	200.00	115	292.85	291.47	280.00	302.00	145	369.24	367.87	356.00	378.00
36	91.67	90.30	79.00	100.00	76	193.53	192.16	180.00	202.00	116	295.39	294.02	282.00	304.00	146	371.79	370.41	359.00	381.00
37	94.22	92.85	81.00	103.00	77	196.08	194.71	183.00	205.00	117	297.94	296.57	285.00	307.00	147	374.33	372.96	361.00	383.00
38	96.77	95.39	84.00	105.00	78	198.63	197.25	186.00	207.00	118	300.48	299.11	287.00	309.00	148	376.88	375.51	364.00	386.00
39	99.31	97.94	86.00	108.00	79	201.17	199.80	188.00	210.00	119	303.03	301.66	290.00	312.00	149	379.43	378.05	366.00	388.00
40	101.86	100.49	89.00	110.00	80	203.72	202.35	191.00	212.00	120	305.58	304.21	292.00	314.00	150	381.97	380.60	369.00	391.00
41	104.41	103.03	92.00	113.00	81	206.26	204.89	193.00	215.00	121	308.12	306.75	295.00	317.00					
42	106.95	105.58	94.00	116.00	82	208.81	207.44	196.00	218.00	122	310.67	309.30	298.00	319.00					
43	109.50	108.13	97.00	118.00	83	211.36	209.99	198.00	220.00	123	313.22	311.84	300.00	322.00					
44	112.05	110.67	99.00	121.00	84	213.90	212.53	201.00	223.00	124	315.76	314.39	303.00	324.00					
45	114.59	113.22	102.00	123.00	85	216.45	215.08	203.00	225.00	125	318.31	316.94	305.00	327.00					
46	117.14	115.77	104.00	126.00	86	219.00	217.63	206.00	228.00										
47	119.68	118.31	107.00	128.00	87	221.54	220.17	208.00	230.00										
48	122.23	120.86	109.00	131.00	88	224.09	222.72	211.00	233.00										
49	124.78	123.41	112.00	133.00	89	226.64	225.26	214.00	235.00										
50	127.32	125.95	114.00	136.00	90	229.18	227.81	216.00	238.00										
51	129.87	128.50	117.00	139.00	91	231.73	230.36	219.00	240.00										
52	132.42	131.04	119.00	141.00	92	234.28	232.90	221.00	243.00										
53	134.96	133.59	122.00	143.00	93	236.82	235.45	224.00	246.00										
54	137.51	136.14	125.00	146.00	94	239.37	238.00	226.00	248.00										
55	140.06	138.68	127.00	149.00	95	241.92	240.54	229.00	251.00										

■ Belt Tooth Profile



■ Belt Code



■ EV5GT Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
185-EV5GT	185.0	37	550-EV5GT	550.0	110	1080-EV5GT	1080.0	216
225-EV5GT	225.0	45	560-EV5GT	560.0	112	1090-EV5GT	1090.0	218
230-EV5GT	230.0	46	565-EV5GT	565.0	113	1145-EV5GT	1145.0	229
240-EV5GT	240.0	48	570-EV5GT	570.0	114	1155-EV5GT	1155.0	231
245-EV5GT	245.0	49	575-EV5GT	575.0	115	1165-EV5GT	1165.0	233
250-EV5GT	250.0	50	580-EV5GT	580.0	116	1170-EV5GT	1170.0	234
255-EV5GT	255.0	51	595-EV5GT	595.0	119	1180-EV5GT	1180.0	236
260-EV5GT	260.0	52	600-EV5GT	600.0	120	1190-EV5GT	1190.0	238
270-EV5GT	270.0	54	610-EV5GT	610.0	122	1210-EV5GT	1210.0	242
275-EV5GT	275.0	55	615-EV5GT	615.0	123	1225-EV5GT	1225.0	245
295-EV5GT	295.0	59	625-EV5GT	625.0	125	1250-EV5GT	1250.0	250
300-EV5GT	300.0	60	635-EV5GT	635.0	127	1270-EV5GT	1270.0	254
315-EV5GT	315.0	63	645-EV5GT	645.0	129	1290-EV5GT	1290.0	258
320-EV5GT	320.0	64	655-EV5GT	655.0	131	*1315-EV5GT	1315.0	263
340-EV5GT	340.0	68	670-EV5GT	670.0	134	1330-EV5GT	1330.0	266
350-EV5GT	350.0	70	675-EV5GT	675.0	135	1390-EV5GT	1390.0	278
360-EV5GT	360.0	72	695-EV5GT	695.0	139	1400-EV5GT	1400.0	280
365-EV5GT	365.0	73	700-EV5GT	700.0	140	1440-EV5GT	1440.0	288
370-EV5GT	370.0	74	710-EV5GT	710.0	142	1475-EV5GT	1475.0	295
375-EV5GT	375.0	75	720-EV5GT	720.0	144	1500-EV5GT	1500.0	300
385-EV5GT	385.0	77	730-EV5GT	730.0	146	1530-EV5GT	1530.0	306
390-EV5GT	390.0	78	740-EV5GT	740.0	148	*1535-EV5GT	1535.0	307
400-EV5GT	400.0	80	750-EV5GT	750.0	150	1550-EV5GT	1550.0	310
405-EV5GT	405.0	81	770-EV5GT	770.0	154	1585-EV5GT	1585.0	317
410-EV5GT	410.0	82	775-EV5GT	775.0	155	1615-EV5GT	1615.0	323
415-EV5GT	415.0	83	800-EV5GT	800.0	160	1630-EV5GT	1630.0	326
420-EV5GT	420.0	84	810-EV5GT	810.0	162	1675-EV5GT	1675.0	335
430-EV5GT	430.0	86	815-EV5GT	815.0	163	1690-EV5GT	1690.0	338
435-EV5GT	435.0	87	825-EV5GT	825.0	165	1715-EV5GT	1715.0	343
440-EV5GT	440.0	88	830-EV5GT	830.0	166	1800-EV5GT	1800.0	360
450-EV5GT	450.0	90	840-EV5GT	840.0	168	1875-EV5GT	1875.0	375
460-EV5GT	460.0	92	845-EV5GT	845.0	169	1960-EV5GT	1960.0	392
465-EV5GT	465.0	93	850-EV5GT	850.0	170	2115-EV5GT	2115.0	423
470-EV5GT	470.0	94	860-EV5GT	860.0	172	2200-EV5GT	2200.0	440
475-EV5GT	475.0	95	870-EV5GT	870.0	174	2350-EV5GT	2350.0	470
485-EV5GT	485.0	97	880-EV5GT	880.0	176	2495-EV5GT	2495.0	499
490-EV5GT	490.0	98	895-EV5GT	895.0	179	2645-EV5GT	2645.0	529
500-EV5GT	500.0	100	900-EV5GT	900.0	180	2910-EV5GT	2910.0	582
505-EV5GT	505.0	101	920-EV5GT	920.0	184	3175-EV5GT	3175.0	635
510-EV5GT	510.0	102	935-EV5GT	935.0	187	3640-EV5GT	3640.0	728
520-EV5GT	520.0	104	960-EV5GT	960.0	192			
525-EV5GT	525.0	105	970-EV5GT	970.0	194			
530-EV5GT	530.0	106	1000-EV5GT	1000.0	200			
540-EV5GT	540.0	108	1025-EV5GT	1025.0	205			
545-EV5GT	545.0	109	1050-EV5GT	1050.0	210			

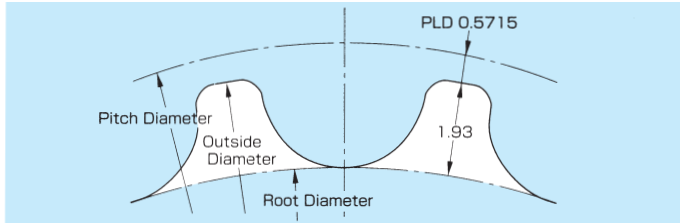
■ EV5GT Standard Belt Width

Belt Width(mm)	9.0	15.0	20.0	25.0	30.0	40.0
Belt Width Code	9	15	20	25	30	40

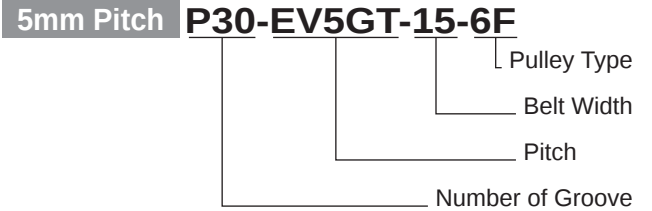
● ベルト長さ補正係数(K_L)

ベルト幅(mm)	440以下	441~550	551~800	801~1100	1101以上
長さ補正係数 K _L	0.80	0.90	1.00	1.10	1.20

■ Pulley Groove Profile



■ Pulley Code



●EV5GT基準伝動容量表 (P_c) ベルト幅15mm当り (表2)

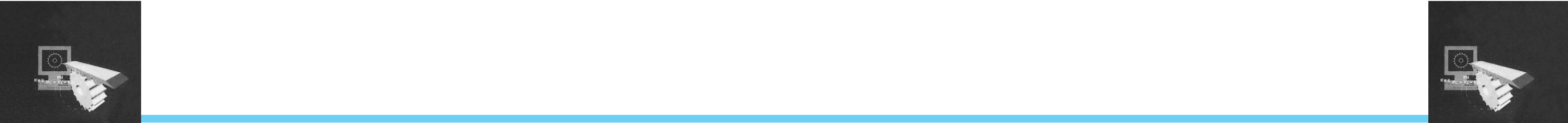
No. of Teeth		14	16	18	20	22	24	26	28	30	32	36	40	44	48	54	60	72	80
Pitch Dia (mm)		22.28	25.46	28.65	31.83	35.01	38.20	41.38	44.56	47.75	50.93	57.30	63.66	70.03	76.39	85.94	95.49	114.59	127.32
r.p.m. Of Faster Shaft (min ⁻¹)	20	13	18	22	27	33	38	42	47	52	56	64	72	80	87	97	108	128	139
	40	24	33	41	50	61	70	79	88	96	104	120	136	150	163	183	203	240	263
	60	33	46	58	72	87	100	113	126	139	150	173	196	216	236	264	293	348	380
	100	50	71	91	113	136	157	178	199	219	237	273	310	343	374	419	465	552	604
	200	85	125	163	205	248	287	326	365	403	438	506	575	636	695	780	867	1031	1129
	300	115	173	228	289	350	407	464	520	574	625	723	823	912	996	1119	1244	1482	1623
	400	142	217	289	369	447	520	594	667	737	803	931	1060	1176	1285	1445	1607	1914	2096
	500	166	258	347	445	539	629	718	808	894	974	1131	1289	1430	1564	1759	1957	2333	2555
	600	188	297	402	518	627	733	839	944	1046	1141	1325	1511	1678	1836	2065	2298	2740	3002
	700	208	333	454	589	712	834	956	1077	1193	1302	1514	1728	1919	2101	2364	2632	3139	3439
	800	227	368	505	657	795	933	1069	1206	1337	1460	1699	1940	2156	2360	2657	2958	3529	3866
	870	239	392	540	704	851	1000	1147	1294	1436	1569	1826	2086	2319	2539	2858	3183	3797	4161
	900	244	402	554	724	875	1028	1180	1332	1478	1615	1880	2148	2388	2615	2944	3279	3912	4286
	1000	260	434	602	789	954	1122	1289	1456	1616	1767	2058	2352	2616	2865	3227	3593	4288	4698
	1160	284	483	675	890	1075	1268	1459	1649	1832	2004	2337	2672	2973	3257	3669	4087	4878	5343
	1200	289	495	693	915	1105	1304	1500	1696	1885	2062	2405	2751	3061	3353	3778	4209	5023	5502
	1400	315	551	780	1035	1251	1478	1704	1929	2145	2349	2742	3138	3493	3828	4314	4807	5736	6282
	1450	321	565	801	1065	1286	1521	1754	1986	2209	2419	2825	3233	3599	3945	4446	4954	5912	6474
	1600	338	605	863	1152	1391	1647	1901	2155	2397	2627	3070	3516	3914	4291	4837	5390	6430	7040
	1750	354	643	923	1237	1494	1771	2046	2320	2583	2831	3311	3793	4224	4631	5221	5817	6939	7595
	1800	358	655	943	1264	1527	1811	2093	2374	2644	2899	3390	3884	4326	4743	5347	5958	7106	7777
	2000	376	703	1020	1374	1659	1971	2280	2589	2884	3164	3703	4244	4728	5185	5846	6513	7765	8494
	2400	406	791	1165	1584	1911	2278	2641	3003	3349	3678	4309	4943	5509	6042	6812	7587	9034	9868
	2800	440	872	1301	1783	2151	2571	2986	3400	3795	4171	4892	5615	6259	6865	7737	8613	10238	11165
	3200	486	945	1429	1973	2380	2851	3318	3782	4225	4647	5455	6263	6982	7657	8625	9594	11379	12384
	3600	529	1011	1550	2155	2598	3120	3636	4150	4640	5107	5998	6888	7679	8419	9477	10531	12456	13522
	4000	571	1072	1665	2330	2808	3379	3944	4505	5041	5550	6522	7492	8350	9151	10291	11423	13466	14575
	5000	667	1202	1925	2738	3296	3986	4667	5343	5985	6597	7758	8910	9920	10854	12167	13450	15686	16815
	6000		1305	2153	3108	3737	4539	5330	6112	6853	7559	8889	10199	11335	12372	13803	15172	17429	18431
	7000		1382	2352	3445	4136	5044	5936	6817	7648	8438	9915	11358	12590	13695	15183	16561	18641	19343
	8000			2524	3749	4495	5501	6487	7459	8370	9235	10835	12383	13677	14812	16285	17586	19259	
	9000			2671	4023	4815	5912	6984	8037	9018	9946	11645	13265	14586	15706	17086	18212		
	10000				4266	5096	6277	7426	8550	9591	10570	12339	13998	15303	16361	17560			
	12000				4660	5541	6865	8141	9375	10498	11541	13356	14976	16113	16883				
	14000				4930	5825	7256	8617	9915	11067	12113	13831	15238						

Note 1: In portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.
Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.
Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

● ベルト幅補正係数(K_w)及び標準取付張力 (表3)

ベルト幅(mm)	9.0	12.0	15.0	20.0	25.0	30.0	40.0
幅補正係数 K _w	0.53	0.76	1.00	1.40	1.79	2.18	2.97
標準取付張力(N)	71	98	125	178	232	286	393

● かみ合い補正係数(K_m) (表5)



●EV5GT基準許容伝達トルク表 (T_{Tr}) ベルト幅15mm当り (表6)

No. of Teeth		14	16	18	20	22	24	26	28	30	32	36	40	44	48	54	60	72	80
Pitch Dia (mm)		22.28	25.46	28.65	31.83	35.01	38.20	41.38	44.56	47.75	50.93	57.30	63.66	70.03	76.39	85.94	95.49	114.59	127.32
r.p.m. Of Faster Shaft (min ⁻¹)	20	6.3	8.6	10.7	13.0	15.8	18.0	20.3	22.5	24.7	26.7	30.6	34.5	38.1	41.5	46.4	51.4	60.9	66.6
	40	5.7	7.8	9.8	12.0	14.6	16.7	18.8	21.0	23.0	24.9	28.6	32.4	35.8	39.0	43.6	48.4	57.4	62.8
	60	5.3	7.3	9.3	11.5	13.9	16.0	18.0	20.1	22.1	23.9	27.5	31.2	34.4	37.5	42.0	46.6	55.3	60.5
	100	4.8	6.7	8.6	10.7	13.0	15.0	17.0	19.0	20.9	22.6	26.1	29.6	32.7	35.7	40.0	44.4	52.8	57.7
	200	4.1	6.0	7.8	9.8	11.8	13.7	15.6	17.4	19.2	20.9	24.2	27.4	30.4	33.2	37.2	41.4	49.2	53.9
	300	3.7	5.5	7.3	9.2	11.2	13.0	14.8	16.5	18.3	19.9	23.0	26.2	29.0	31.7	35.6	39.6	47.2	51.7
	400	3.4	5.2	6.9	8.8	10.7	12.4	14.2	15.9	17.6	19.2	22.2	25.3	28.1	30.7	34.5	38.4	45.7	50.1
	500	3.2	4.9	6.6	8.5	10.3	12.0	13.7	15.4	17.1	18.6	21.6	24.6	27.3	29.9	33.6	37.4	44.6	48.8
	600	3.0	4.7	6.4	8.2	10.0	11.7	13.4	15.0	16.6	18.2	21.1	24.1	26.7	29.2	32.9	36.6	43.6	47.8
	700	2.8	4.5	6.2	8.0	9.7	11.4	13.0	14.7	16.3	17.8	20.7	23.6	26.2	28.7	32.3	35.9	42.8	46.9
	800	2.7	4.4	6.0	7.8	9.5	11.1	12.8	14.4	16.0	17.4	20.3	23.2	25.7	28.2	31.7	35.3	42.1	46.2
	870	2.6	4.3	5.9	7.7	9.3	11.0	12.6	14.2	15.8	17.2	20.0	22.9	25.5	27.9	31.4	34.9	41.7	45.7
	900	2.6	4.3	5.9	7.7	9.3	10.9	12.5	14.1	15.7	17.1	20.0	22.8	25.3	27.7	31.2	34.8	41.5	45.5
	1000	2.5	4.1	5.7	7.5	9.1	10.7	12.3	13.9	15.4	16.9	19.7	22.5	25.0	27.4	30.8	34.3	40.9	44.9
	1160	2.3	4.0	5.6	7.3	8.9	10.4	12.0	13.6	15.1	16.5	19.2	22.0	24.5	26.8	30.2	33.6	40.2	44.0
	1200	2.3	3.9	5.5	7.3	8.8	10.4	11.9	13.5	15.0	16.4	19.1	21.9	24.4	26.7	30.1	33.5	40.0	43.8
	1400	2.2	3.8	5.3	7.1	8.5	10.1	11.6	13.2	14.6	16.0	18.7	21.4	23.8	26.1	29.4	32.8	39.1	42.9
	1450	2.1	3.7	5.3	7.0	8.5	10.0	11.6	13.1	14.5	15.9	18.6	21.3	23.7	26.0	29.3	32.6	38.9	42.6
	1600	2.0	3.6	5.2	6.9	8.3	9.8	11.3	12.9	14.3	15.7	18.3	21.0	23.4	25.6	28.9	32.2	38.4	42.0
	1750	1.9	3.5	5.0	6.7	8.2	9.7	11.2	12.7	14.1	15.5	18.1	20.7	23.1	25.3	28.5	31.7	37.9	41.4
	1800	1.9	3.5	5.0	6.7	8.1	9.6	11.1	12.6	14.0	15.4	18.0	20.6	23.0	25.2	28.4	31.6	37.7	41.3
	2000	1.8	3.4	4.9	6.6	7.9	9.4	10.9	12.4	13.8	15.1	17.7	20.3	22.6	24.8	27.9	31.1	37.1	40.6
	2400	1.6	3.1	4.6	6.3	7.6	9.1	10.5	11.9	13.3	14.6	17.1	19.7	21.9	24.0	27.1	30.2	35.9	39.3
	2800	1.5	3.0	4.4	6.1	7.3	8.8	10.2	11.6	12.9	14.2	16.7	19.2	21.3	23.4	26.4	29.4	34.9	38.1
	3200	1.4	2.8	4.3	5.9	7.1	8.5	9.9	11.3	12.6	13.9	16.3	18.7	20.8	22.9	25.7	28.6	34.0	37.0
	3600	1.4	2.7	4.1	5.7	6.9	8.3	9.6	11.0	12.3	13.5	15.9	18.3	20.4	22.3	25.1	27.9	33.0	35.9
	4000	1.4	2.6	4.0	5.6	6.7	8.1	9.4	10.8	12.0	13.3	15.6	17.9	19.9	21.8	24.6	27.3	32.2	34.8
	5000	1.3	2.3	3.7	5.2	6.3	7.6	8.9	10.2	11.4	12.6	14.8	17.0	18.9	20.7	23.2	25.7	30.0	32.1
6000		2.1	3.4	4.9	5.9	7.2	8.5	9.7	10.9	12.0	14.1	16.2	18.0	19.7	22.0	24.1	27.7	29.3	
7000		1.9	3.2	4.7	5.6	6.9	8.1	9.3	10.4	11.5	13.5	15.5	17.2	18.7	20.7	22.6	25.4	26.4	
8000			3.0	4.5	5.4	6.6	7.7	8.9	10.0	11.0	12.9	14.8	16.3	17.7	19.4	21.0	23.0		
9000			2.8	4.3	5.1	6.3	7.4	8.5	9.6	10.6	12.4	14.1	15.5	16.7	18.1	19.3			
10000				4.1	4.9	6.0	7.1	8.2	9.2	10.1	11.8	13.4	14.6	15.6	16.8				
12000				3.7	4.4	5.5	6.5	7.5	8.4	9.2	10.6	11.9	12.8	13.4					
14000				3.4	4.0	4.9	5.9	6.8	7.5	8.3	9.4	10.4							

Note 1: In portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.
Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.
Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

● ベルト幅補正係数(K_w)及び標準取付張力 (表7)

ベルト幅(mm)	9.0	12.0	15.0	20.0	25.0	30.0	40.0
幅補正係数 K _w	0.53	0.76	1.00	1.40	1.79	2.18	2.97
標準取付張力(N)	71	98	125	178	232	286	393

● ベルト長さ補正係数(K_L) (表8)

ベルト幅(mm)	440以下	441～550	551～800	801～1100	1101以上
長さ補正係数 K _L	0.80	0.90	1.00	1.10	1.20

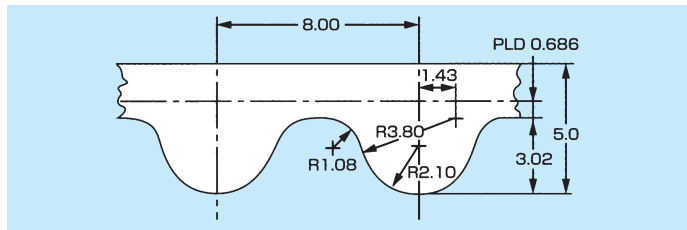
● かみ合い補正係数(K_m) (表9)

かみ合い歯数	6以上	5	4
K _m	1.0	0.8	0.6

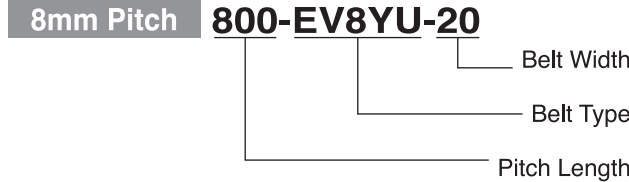
●EV5GT基準許容張力表 (T_a) ベルト幅15mm当り (表10)

No. of Teeth		14	16	18	20	22	24	26	28	30	32	36	40	44	48	54	60	72	80
Pitch Dia (mm)		22.28	25.46	28.65	31.83	35.01	38.20	41.38	44.56	47.75	50.93	57.30	63.66	70.03	76.39	85.94	95.49	114.59	127.32
r.p.m. Of Faster Shaft (min ⁻¹)	20	569.5	672.0	745.3	816.2	899.7	942.9	978.9	1009.4	1033.2	1046.9	1067.2	1085.4	1088.2	1085.6	1079.3	1076.3	1063.3	1046.2
	40	508.1	610.6	684.3	755.5	832.5	875.3	910.9	941.2	964.8	978.9	999.8	1018.2	1021.9	1020.3	1015.3	1013.2	1001.9	986.1
	60	472.2	574.7	648.7	720.0	793.2	835.8	871.2	901.2	924.7	939.1	960.4	978.9	983.1	982.1	977.9	976.3	966.0	951.0
	100	427.0	529.5	603.8	675.2	743.7	785.9	821.1	850.9	874.2	889.0	910.7	929.4	934.3	934.0	930.7	929.8	920.7	906.7
	200	365.6	468.0	542.9	614.5	676.5	718.3	753.1	782.7	805.8	820.9	843.2	862.3	868.0	868.7	866.8	866.7	859.3	846.7
	300	329.7	432.1	507.2	579.0	637.1	678.8	713.4	742.8	765.7	781.1	803.8	823.0	829.3	830.5	829.3	829.8	823.4	811.6
	400	304.2	406.6	481.9	553.8	609.2	650.7	685.1	714.4	737.3	752.9	775.8	795.1	801.8	803.4	802.8	803.6	797.9	786.6
	500	284.4	386.9	462.3	534.2	587.6	628.9	663.3	692.5	715.2	731.0	754.1	773.5	780.4	782.4	782.2	783.3	778.2	767.3
	600	268.3	370.7	446.3	518.3	569.9	611.1	645.4	674.5	697.2	713.1	736.3	755.9	763.0	765.3	765.4	766.7	762.0	751.5
	700	254.6	357.1	432.7	504.8	555.0	596.1	630.3	659.3	682.0	698.0	721.3	740.9	748.3	750.7	751.1	752.6	748.4	738.1
	800	242.8	345.2	421.0	493.1	542.0	583.1	617.2	646.2	668.8	684.9	708.4	728.0	735.5	738.2	738.8	740.5	736.5	726.6
	870	235.4	337.8	413.6	485.7	533.9	574.9	609.0	637.9	660.5	676.6	700.2	719.9	727.5	730.3	731.1	732.9	729.1	719.3
	900	232.4	334.8	410.6	482.7	530.6	571.6	605.6	634.6	657.2	673.3	696.9	716.6	724.2	727.1	727.9	729.8	726.1	716.4
	1000	223.0	325.5	401.4	473.5	520.4	561.3	595.3	624.2	646.8	663.0	686.6	706.4	714.2	717.1	718.2	720.2	716.8	707.2
	1160	209.9	312.3	388.3	460.5	506.0	546.8	580.8	609.6	632.1	648.4	672.2	692.0	700.0	703.2	704.5	706.7	703.6	694.4
	1200	206.9	309.3	385.3	457.5	502.7	543.5	577.4	606.3	628.8	645.1	668.9	688.7	696.7	700.0	701.4	703.6	700.6	691.5
	1400	193.2	295.7	371.8	444.0	487.8	528.5	562.3	591.1	613.5	629.9	653.9	673.8	682.0	685.4	687.2	689.5	687.0	678.1
	1450	190.1	292.6	368.7	441.0	484.4	525.1	558.9	587.6	610.1	626.5	650.5	670.4	678.6	682.1	683.9	686.3	683.8	675.1
	1600	181.4	283.8	360.1	432.3	474.8	515.5	549.2	577.9	600.3	616.8	640.9	660.8	669.2	672.9	674.8	677.4	675.1	666.5
	1750	173.5	275.9	352.2	424.5	466.1	506.7	540.4	569.1	591.5	608.0	632.2	652.2	660.7	664.4	666.6	669.2	667.2	658.8
	1800	171.0	273.4	349.7	422.0	463.4	504.0	537.7	566.3	588.7	605.3	629.5	649.4	658.0	661.8	664.0	666.7	664.7	656.3
2000	161.6	264.1	340.4	412.8	453.2	493.7	527.3	556.0	578.3	594.9	619.2	639.2	647.9	651.8	654.2	657.1	655.4	647.2	
2400	145.5	247.9	324.4	396.8	435.5	475.9	509.5	538.0	560.3	577.0	601.5	621.6	630.5	634.7	637.4	640.5	639.2	631.4	
2800	135.2	234.3	310.9	383.3	420.6	460.9	494.4	522.8	545.0	561.9	586.5	606.6	615.7	620.2	623.2	626.4	625.6	618.0	
3200	130.9	222.4	299.1	371.6	407.6	447.8	481.3	509.7	531.9	548.8	573.5	593.7	603.0	607.6	610.8	614.3	613.7	606.5	
3600	127.0	212.0	288.8	361.3	396.2	436.3	469.7	498.1	520.2	537.2	562.0	582.3	591.7	596.5	600.0	603.6	603.3	596.3	
4000	123.5	202.7	279.5	352.1	386.0	426.1	459.4	487.7	509.8	526.9	551.8	572.1	581.6	586.6	590.3	594.0	594.0	587.1	
5000	116.2	182.9	259.9	332.5	364.3	404.3	437.5	465.7	487.8	505.0	530.1	550.4	560.3	565.5	569.7	573.7	574.2	567.8	
6000		166.7	243.9	316.5	346.7	386.5	419.6	447.8	469.7	487.1	512.3	532.8	542.9	548.4	552.8	557.1	558.1	552.0	
7000		153.1	230.3	303.0	331.7	371.5	404.5	432.6	454.5	472.0	497.3	517.8	528.1	533.8	538.6	543.0	544.4	538.7	
8000			218.6	291.3	318.8	358.4	391.4	419.5	441.3	458.8	484.3	504.9	515.4	521.3	526.3	530.9	532.6		
9000			208.2	281.0	307.3	347.0	379.9	407.9	429.7	447.3	472.9	493.5	504.1	510.2	515.4	520.2			
10000				271.8	297.1	336.7	369.5	397.5	419.3	436.9	462.6	483.3	494.0	500.3	505.7				
12000				255.8	279.4	318.9	351.7	379.5	401.3	419.0	444.9	465.6	476.6	483.1					
14000				242.3	264.5	303.9	336.6	364.4	386.0	403.9	429.9	450.7							

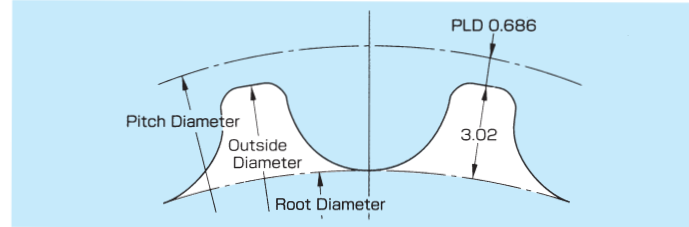
■ Belt Tooth Profile



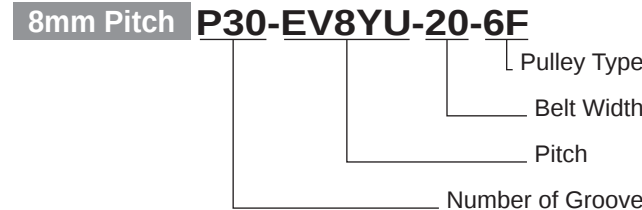
■ Belt Code



■ Pulley Groove Profile



■ Pully Code



■ EV8YU Belt Length

Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
312-EV8YU	312.0	39	856-EV8YU	856.0	107	1240-EV8YU	1240.0	155	*1768-EV8YU	1768.0	221
*328-EV8YU	328.0	41	864-EV8YU	864.0	108	1248-EV8YU	1248.0	156	*1776-EV8YU	1776.0	222
344-EV8YU	344.0	43	872-EV8YU	872.0	109	1256-EV8YU	1256.0	187	1784-EV8YU	1784.0	223
408-EV8YU	408.0	51	880-EV8YU	880.0	110	1264-EV8YU	1264.0	158	1808-EV8YU	1808.0	226
416-EV8YU	416.0	52	888-EV8YU	888.0	111	1272-EV8YU	1272.0	159	1816-EV8YU	1816.0	227
432-EV8YU	432.0	54	896-EV8YU	896.0	112	1280-EV8YU	1280.0	160	1824-EV8YU	1824.0	228
440-EV8YU	440.0	55	904-EV8YU	904.0	113	1288-EV8YU	1288.0	161	1856-EV8YU	1856.0	232
464-EV8YU	464.0	58	912-EV8YU	912.0	114	1296-EV8YU	1296.0	162	*1864-EV8YU	1864.0	233
472-EV8YU	472.0	59	920-EV8YU	920.0	115	1304-EV8YU	1304.0	163	1872-EV8YU	1872.0	234
480-EV8YU	480.0	60	928-EV8YU	928.0	116	1312-EV8YU	1312.0	164	*1888-EV8YU	1888.0	236
488-EV8YU	488.0	61	936-EV8YU	936.0	117	1320-EV8YU	1320.0	165	*1896-EV8YU	1896.0	237
504-EV8YU	504.0	63	944-EV8YU	944.0	118	1328-EV8YU	1328.0	166	1912-EV8YU	1912.0	239
512-EV8YU	512.0	64	952-EV8YU	952.0	119	1336-EV8YU	1336.0	167	1928-EV8YU	1928.0	241
520-EV8YU	520.0	65	960-EV8YU	960.0	120	1344-EV8YU	1344.0	168	*1944-EV8YU	1944.0	243
536-EV8YU	536.0	67	968-EV8YU	968.0	121	1352-EV8YU	1352.0	169	*1952-EV8YU	1952.0	244
544-EV8YU	544.0	68	976-EV8YU	976.0	122	1360-EV8YU	1360.0	170	*1976-EV8YU	1976.0	247
552-EV8YU	552.0	69	984-EV8YU	984.0	123	1376-EV8YU	1376.0	172	2000-EV8YU	2000.0	252
560-EV8YU	560.0	70	*992-EV8YU	992.0	124	1384-EV8YU	1384.0	173	2056-EV8YU	2056.0	257
576-EV8YU	576.0	72	1000-EV8YU	1000.0	125	1392-EV8YU	1392.0	174	*2072-EV8YU	2072.0	259
600-EV8YU	600.0	75	1008-EV8YU	1008.0	126	1400-EV8YU	1400.0	175	2120-EV8YU	2120.0	265
608-EV8YU	608.0	76	1016-EV8YU	1016.0	127	1416-EV8YU	1416.0	177	2136-EV8YU	2136.0	267
616-EV8YU	616.0	77	1032-EV8YU	1032.0	129	1424-EV8YU	1424.0	178	2160-EV8YU	2160.0	270
624-EV8YU	624.0	78	1040-EV8YU	1040.0	130	1440-EV8YU	1440.0	180	2240-EV8YU	2240.0	280
632-EV8YU	632.0	79	1056-EV8YU	1056.0	132	1448-EV8YU	1448.0	181	2248-EV8YU	2248.0	281
640-EV8YU	640.0	80	1064-EV8YU	1064.0	133	*1456-EV8YU	1456.0	182	2264-EV8YU	2264.0	283
656-EV8YU	656.0	82	1072-EV8YU	1072.0	134	1464-EV8YU	1464.0	183	2280-EV8YU	2280.0	285
664-EV8YU	664.0	83	1080-EV8YU	1080.0	135	1480-EV8YU	1480.0	185	2296-EV8YU	2296.0	287
680-EV8YU	680.0	85	1088-EV8YU	1088.0	136	1496-EV8YU	1496.0	187	2304-EV8YU	2304.0	288
704-EV8YU	704.0	88	1096-EV8YU	1096.0	137	1520-EV8YU	1520.0	190	2328-EV8YU	2328.0	291
720-EV8YU	720.0	90	1112-EV8YU	1112.0	139	1544-EV8YU	1544.0	193	2400-EV8YU	2400.0	300
728-EV8YU	728.0	91	1120-EV8YU	1120.0	140	1568-EV8YU	1568.0	196	*2456-EV8YU	2456.0	307
*744-EV8YU	744.0	93	1128-EV8YU	1128.0	141	1576-EV8YU	1576.0	197	2600-EV8YU	2600.0	325
752-EV8YU	752.0	94	1136-EV8YU	1136.0	142	1600-EV8YU	1600.0	200	2800-EV8YU	2800.0	350
760-EV8YU	760.0	95	*1144-EV8YU	1144.0	143	1608-EV8YU	1608.0	201	3200-EV8YU	3200.0	400
768-EV8YU	768.0	96	*1152-EV8YU	1152.0	144	1616-EV8YU	1616.0	202	3440-EV8YU	3440.0	430
776-EV8YU	776.0	97	1160-EV8YU	1160.0	145	1640-EV8YU	1640.0	205	4400-EV8YU	4400.0	550
784-EV8YU	784.0	98	1168-EV8YU	1168.0	146	1656-EV8YU	1656.0	207	5008-EV8YU	5008.0	626
792-EV8YU	792.0	99	1176-EV8YU	1176.0	147	1680-EV8YU	1680.0	210			
800-EV8YU	800.0	100	1184-EV8YU	1184.0	148	1688-EV8YU	1688.0	211			
808-EV8YU	808.0	101	1196-EV8YU	1196.0	149	1696-EV8YU	1696.0	212			
*816-EV8YU	816.0	102	1200-EV8YU	1200.0	150	*1720-EV8YU	1720.0	215			
824-EV8YU	824.0	103	1208-EV8YU	1208.0	151	*1728-EV8YU	1728.0	216			
832-EV8YU	832.0	104	*1216-EV8YU	1216.0	152	1736-EV8YU	1736.0	217			
840-EV8YU	840.0	105	1224-EV8YU	1224.0	153	1752-EV8YU	1752.0	219			
448-EV8YU	448.0	106	1232-EV8YU	1232.0	154	1760-EV8YU	1760.0	220			

■ EV8YU Standard Belt Width

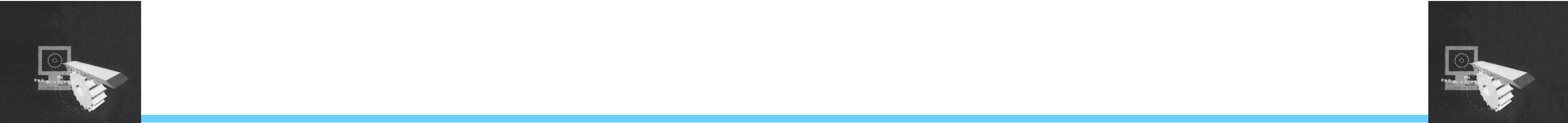
Belt Width(mm)	20.0	25.0	30.0	40.0	50.0	60.0	70.0	85.0
Belt Width Code	20	25	30	40	50	60	70	85

● ベルト長さ補正係数(KL)

ベルト幅(mm)	660以下	601～900	901～1250	1251～1799	1800以上
長さ補正係数 KL	0.80	0.90	1.00	1.10	1.20

● EV8YU基準伝動容量表 (Pc) ベルト幅20mm当り (表 15)

No. of Teeth		20	22	24	26	28	30	32	34	36	38	40	44	48	54	60	64	72	80
Pitch Dia (mm)		50.93	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	137.51	152.79	162.97	183.35	203.72
r.p.m. Of Faster Shaft (min ⁻¹)	10	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.18
	20	0.07	0.08	0.09	0.10	0.10	0.11	0.13	0.13	0.14	0.15	0.16	0.18	0.20	0.23	0.26	0.28	0.32	0.36
	40	0.13	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.36	0.40	0.47	0.52	0.56	0.64	0.72
	60	0.18	0.21	0.23	0.26	0.29	0.32	0.35	0.38	0.41	0.44	0.48	0.54	0.60	0.69	0.78	0.84	0.96	1.08
	100	0.28	0.33	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.78	0.88	0.99	1.15	1.30	1.40	1.60	1.80
	200	0.52	0.60	0.69	0.79	0.89	0.99	1.10	1.20	1.29	1.39	1.52	1.73	1.96	2.28	2.58	2.79	3.19	3.60
	300	0.74	0.86	0.99	1.13	1.29	1.45	1.62	1.75	1.90	2.05	2.25	2.57	2.92	3.40	3.85	4.18	4.78	5.40
	400	0.94	1.10	1.28	1.47	1.67	1.89	2.12	2.30	2.50	2.70	2.96	3.40	3.86	4.52	5.12	5.56	6.37	7.20
	500	1.13	1.34	1.56	1.80	2.05	2.32	2.61	2.84	3.08	3.33	3.68	4.22	4.81	5.63	6.38	6.94	7.95	8.99
	600	1.32	1.57	1.83	2.12	2.42	2.75	3.10	3.38	3.67	3.97	4.38	5.04	5.75	6.74	7.64	8.31	9.53	10.78
	700	1.50	1.79	2.10	2.43	2.79	3.17	3.58	3.90	4.24	4.59	5.08	5.86	6.68	7.84	8.89	9.68	11.10	12.57
	800	1.68	2.00	2.36	2.74	3.15	3.59	4.05	4.43	4.81	5.22	5.77	6.66	7.61	8.94	10.14	11.04	12.67	14.34
	870	1.80	2.15	2.54	2.95	3.40	3.87	4.38	4.79	5.21	5.65	6.26	7.23	8.26	9.71	11.01	11.99	13.76	15.58
	900	1.85	2.21	2.61	3.04	3.50	4.00	4.52	4.94	5.38	5.83	6.47	7.47	8.54	10.04	11.39	12.40	14.23	16.11
	1000	2.02	2.42	2.86	3.34	3.85	4.40	4.99	5.46	5.94	6.45	7.15	8.27	9.46	11.13	12.63	13.76	15.78	17.88
	1160	2.28	2.74	3.25	3.81	4.41	5.05	5.73	6.27	6.83	7.42	8.24	9.54	10.92	12.86	14.60	15.91	18.26	20.68
	1200	2.34	2.82	3.35	3.92	4.54	5.21	5.91	6.47	7.06	7.66	8.51	9.86	11.29	13.30	15.09	16.45	18.87	21.37
	1400	2.65	3.21	3.83	4.50	5.22	5.99	6.82	7.48	8.15	8.86	9.86	11.43	13.11	15.45	17.54	19.11	21.93	24.83
	1450	2.73	3.31	3.94	4.64	5.39	6.19	7.05	7.72	8.43	9.16	10.20	11.82	13.56	15.98	18.15	19.78	22.69	25.69
	1600	2.95	3.59	4.29	5.06	5.88	6.77	7.72	8.47	9.24	10.05	11.20	12.99	14.91	17.58	19.96	21.75	24.95	28.23
	1750	3.17	3.87	4.63	5.47	6.37	7.34	8.39	9.20	10.05	10.93	12.19	14.15	16.25	19.17	21.76	23.71	27.18	30.75
	1800	3.24	3.96	4.75	5.60	6.53	7.53	8.61	9.44	10.31	11.22	12.52	14.54	16.69	19.69	22.35	24.36	27.92	31.58
	2000	3.52	4.32	5.19	6.14	7.18	8.29	9.48	10.41	11.37	12.38	13.82	16.06	18.46	21.78	24.71	26.94	30.85	34.87
	2400	4.06	5.01	6.05	7.19	8.43	9.76	11.20	12.30	13.45	14.65	16.39	19.07	21.93	25.88	29.34	31.97	36.55	41.21
	2800	4.57	5.66	6.88	8.20	9.64	11.20	12.87	14.15	15.48	16.87	18.90	22.00	25.31	29.87	33.82	36.82	41.99	47.22
	3200	5.05	6.29	7.67	9.18	10.82	12.59	14.50	15.95	17.46	19.03	21.35	24.86	28.60	33.72	38.12	41.46	47.14	52.83
3600	5.50	6.89	8.43	10.12	11.96	13.95	16.08	17.69	19.37	21.12	23.72	27.62	31.78	37.43	42.22	45.86	51.95	57.98	
4000	5.93	7.47	9.17	11.03	13.06	15.26	17.62	19.39	21.23	23.15	26.02	30.29	34.84	40.98	46.10	50.00	56.39		
5000	6.91	8.79	10.87	13.16	15.65	18.34	21.24	23.37	25.58	27.88	31.39	36.50	41.90	49.01	54.68	58.99			
6000	7.75	9.94	12.38	15.05	17.97	21.12	24.51	26.95	29.47	32.08	36.16	41.92	47.96	55.65					
7000	8.44	10.92	13.68	16.71	20.01	23.57	27.39	30.06	32.82	35.65	40.22	46.41	52.84						
8000	8.99	11.72	14.76	18.09	21.72	25.64	29.82	32.65	35.55	38.52	43.45								



●EV8YU基準許容伝達トルク表 (T_{Tr}) ベルト幅20mm当り (表19)

No. of Teeth		20	22	24	26	28	30	32	34	36	38	40	44	48	54	60	64	72	80
Pitch Dia (mm)		50.93	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	137.51	152.79	162.97	183.35	203.72
r.p.m. Of Faster Shaft (min ⁻¹)	10	38.20	38.20	47.75	47.75	47.75	57.30	57.30	66.85	66.85	76.40	76.40	85.95	95.50	114.60	124.15	133.70	152.80	171.90
	20	33.43	38.20	42.98	47.75	47.75	52.53	62.08	62.08	66.85	71.63	76.40	85.95	95.50	109.83	124.15	133.70	152.80	171.90
	40	31.04	33.43	38.20	42.98	47.75	52.53	57.30	62.08	66.85	71.63	76.40	85.95	95.50	112.21	124.15	133.70	152.80	171.90
	60	28.65	33.43	36.61	41.38	46.16	50.93	55.71	60.48	65.26	70.03	76.40	85.95	95.50	109.83	124.15	133.70	152.80	171.90
	100	26.74	31.52	35.34	40.11	44.89	49.66	54.44	59.21	63.99	68.76	74.49	84.04	94.55	109.83	124.15	133.70	152.80	171.90
	200	24.83	28.65	32.95	37.72	42.50	47.27	52.53	57.30	61.60	66.37	72.58	82.61	93.59	108.87	123.20	133.22	152.32	171.90
	300	23.56	27.38	31.52	35.97	41.07	46.16	51.57	55.71	60.48	65.26	71.63	81.81	92.95	108.23	122.56	133.06	152.16	171.90
	400	22.44	26.26	30.56	35.10	39.87	45.12	50.62	54.91	59.69	64.46	70.67	81.18	92.16	107.92	122.24	132.75	152.08	171.90
	500	21.58	25.59	29.80	34.38	39.16	44.31	49.85	54.24	58.83	63.60	70.29	80.60	91.87	107.53	121.86	132.55	151.85	171.71
	600	21.01	24.99	29.13	33.74	38.52	43.77	49.34	53.80	58.41	63.19	69.72	80.22	91.52	107.28	121.60	132.27	151.69	171.58
	700	20.46	24.42	28.65	33.15	38.06	43.25	48.84	53.21	57.85	62.62	69.31	79.95	91.13	106.96	121.29	132.06	151.44	171.49
	800	20.06	23.88	28.17	32.71	37.60	42.86	48.35	52.88	57.42	62.31	68.88	79.50	90.84	106.72	121.05	131.79	151.25	171.18
	870	19.76	23.60	27.88	32.38	37.32	42.48	48.08	52.58	57.19	62.02	68.72	79.36	90.67	106.59	120.86	131.61	150.06	171.02
	900	19.63	23.45	27.70	32.26	37.14	42.44	47.96	52.42	57.09	61.86	68.65	79.27	90.62	106.54	120.86	131.58	151.00	170.95
	1000	19.29	23.11	27.31	31.90	36.77	42.02	47.65	52.14	56.73	61.60	68.28	78.98	90.34	106.29	120.62	131.41	150.70	170.75
	1160	18.77	22.56	26.76	31.37	36.31	41.58	47.17	51.62	56.23	61.09	67.84	78.54	89.90	105.87	120.20	130.98	150.33	170.25
	1200	18.62	22.44	26.66	31.20	36.13	41.46	47.03	51.49	56.19	60.96	67.73	78.47	89.85	105.85	120.09	130.91	150.17	170.07
	1400	18.08	21.90	26.13	30.70	35.61	40.86	46.52	51.02	55.59	60.44	67.26	77.97	89.43	105.39	119.65	130.36	149.59	169.38
	1450	17.98	21.80	25.95	30.56	35.50	40.77	46.43	50.85	55.52	60.33	67.18	77.85	89.31	105.25	119.54	130.28	149.44	169.20
	1600	17.61	21.43	25.61	30.20	35.10	40.41	46.08	50.56	55.15	59.99	66.85	77.53	88.99	104.93	119.14	129.82	148.92	168.50
	1750	17.30	21.12	25.27	29.85	34.76	40.06	45.79	50.21	54.84	59.65	66.52	77.22	88.68	104.61	118.75	129.39	148.33	167.81
	1800	17.19	21.01	25.20	29.71	34.65	39.95	45.68	50.08	54.70	59.53	66.43	77.14	88.55	104.47	118.58	129.24	148.13	167.55
	2000	16.81	20.63	24.78	29.32	34.28	39.58	45.27	49.71	54.29	59.11	65.99	76.69	88.15	104.00	117.99	128.64	147.31	166.50
	2400	16.16	19.94	24.07	28.61	33.54	38.84	44.57	48.94	53.52	58.29	65.22	75.88	87.26	102.98	116.75	127.21	145.44	163.98
	2800	15.59	19.30	23.47	27.97	32.88	38.20	43.90	48.26	52.80	57.54	64.46	75.04	86.33	101.88	115.35	125.58	143.22	161.05
	3200	15.07	18.77	22.89	27.40	32.29	37.57	43.27	47.60	52.11	56.79	63.72	74.19	85.35	100.63	113.76	123.73	140.68	157.66
	3600	14.59	18.28	22.36	26.85	31.73	37.01	42.66	46.93	51.38	56.03	62.92	73.27	84.31	99.29	112.00	121.66	137.81	153.81
	4000	14.16	17.83	21.89	26.33	31.18	36.43	42.07	46.29	50.69	55.27	62.12	72.32	83.18	97.84	110.06	119.38	134.63	
	5000	13.20	16.79	20.76	25.14	29.89	35.03	40.57	44.64	48.86	53.25	59.95	69.72	80.03	93.61	104.44			
	6000	12.34	15.82	19.70	23.95	28.60	33.62	39.01	42.90	46.91	51.06	57.55	66.72	76.34	88.58				
	7000	11.51	14.90	18.66	22.80	27.30	32.16	37.37	41.01	44.78	48.64	54.87	63.32	72.09					
	8000	10.73	13.99	17.62	21.59	25.93	30.61	35.60	38.98	42.44	45.98	51.87							

Note 1: In

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 portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.
Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.
Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

● ベルト幅補正係数(K_w)及び標準取付張力 (表20)

ベルト幅(mm)	15	20	25	30	40	50	60	70	85
幅補正係数 K _w	0.71	1.00	1.29	1.58	2.15	2.73	3.31	3.89	4.75
標準取付張力(N)	210	280	350	410	600	760	920	1100	1300

● ベルト長さ補正係数(K_L) (表21)

ベルト幅(mm)	660以下	601～900	901～1250	1251～1799	1800以上
長さ補正係数 K _L	0.80	0.90	1.00	1.10	1.20

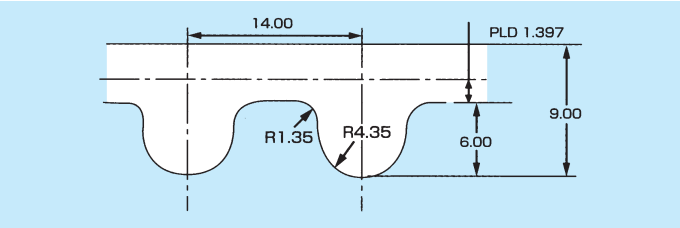
● かみ合い補正係数(K_m) (表22)

かみ合い歯数	6以上	5	4
K _m	1.0	0.8	0.6

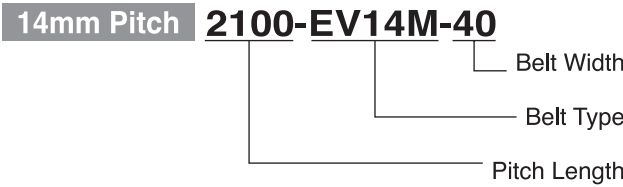
●EV8YU基準許容張力表 (T_a) ベルト幅20mm当り (表23)

No. of Teeth		20	22	24	26	28	30	32	34	36	38	40	44	48	54	60	64	72	80
Pitch Dia (mm)		50.93	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	137.51	152.79	162.97	183.35	203.72
r.p.m. Of Faster Shaft (min ⁻¹)	10	1500.10	1363.80	1562.50	1442.38	1339.41	1500.20	1406.31	1544.24	1458.49	1579.00	1500.10	1534.14	1562.63	1666.79	1625.11	1640.79	1666.76	1687.61
	20	1312.59	1363.80	1406.25	1442.38	1339.41	1375.18	1523.50	1433.93	1458.49	1480.31	1500.10	1534.14	1562.63	1597.34	1625.11	1640.79	1666.76	1687.61
	40	1218.83	1193.32	1250.00	1298.14	1339.41	1375.18	1406.31	1433.93	1458.49	1480.31	1500.10	1534.14	1562.63	1632.06	1625.11	1640.79	1666.76	1687.61
	60	1125.07	1193.32	1197.92	1250.06	1294.76	1333.51	1367.24	1397.17	1423.77	1447.42	1500.10	1534.14	1562.63	1597.34	1625.11	1640.79	1666.76	1687.61
	100	1050.07	1125.13	1156.25	1211.60	1259.05	1300.17	1335.99	1367.75	1395.99	1421.10	1462.60	1500.04	1547.00	1597.34	1625.11	1640.79	1666.76	1687.61
	200	975.06	1022.85	1078.13	1139.48	1192.08	1237.66	1289.12	1323.63	1343.90	1371.76	1425.09	1474.48	1531.38	1583.45	1612.61	1634.93	1661.55	1687.61
	300	925.06	977.39	1031.25	1086.59	1151.89	1208.49	1265.68	1286.86	1319.59	1348.73	1406.34	1460.27	1520.96	1574.19	1604.27	1632.98	1659.81	1687.61
	400	881.31	937.61	1000.00	1060.15	1118.41	1181.40	1242.24	1268.48	1302.23	1332.28	1387.59	1448.91	1507.94	1569.56	1600.10	1629.07	1658.94	1687.61
	500	847.56	913.75	975.00	1038.51	1098.32	1160.15	1223.49	1253.04	1283.47	1314.52	1380.09	1438.68	1503.25	1564.00	1595.10	1626.73	1656.34	1685.74
	600	825.05	892.15	953.13	1019.28	1080.46	1145.98	1210.99	1242.74	1274.44	1305.97	1368.84	1431.86	1497.52	1560.30	1591.77	1623.21	1654.60	1684.49
	700	803.62	871.86	937.50	1001.42	1067.70	1132.29	1198.71	1229.09	1262.04	1294.22	1360.80	1426.99	1491.19	1555.67	1587.60	1620.70	1651.88	1683.59
	800	787.55	852.37	921.88	988.03	1054.79	1122.02	1186.57	1221.60	1252.74	1287.87	1352.43	1419.08	1486.45	1552.20	1584.48	1617.35	1649.83	1680.58
	870	775.91	842.58	912.36	978.17	1046.90	1112.21	1180.01	1214.60	1247.74	1281.80	1349.23	1416.58	1483.60	1550.24	1582.00	1615.20	1636.82	1678.99
	900	770.88	837.22	906.25	974.41	1041.76	1111.26	1177.13	1210.88	1245.51	1278.55	1348.00	1414.81	1482.76	1549.50	1582.05	1614.75	1647.08	1678.23
	1000	757.55	825.10	893.75	963.51	1031.35	1100.14	1169.58	1204.50	1237.63	1273.07	1340.71	1409.70	1478.25	1545.95	1578.85	1612.66	1643.84	1676.36
	1160	737.12	805.35	875.54	947.49	1018.41	1088.50	1157.78	1192.41	1226.79	1262.52	1331.98	1401.88	1471.03	1539.86	1573.38	1607.45	1639.82	1671.45
	1200	731.30	801.23	872.40	942.36	1013.49	1085.56	1154.34	1189.43	1225.83	1259.91	1329.77	1400.61	1470.17	1539.46	1571.98	1606.61	1638.11	1669.64
	1400	709.87	781.75	854.91	927.24	998.82	1069.78	1141.79	1178.66	1212.93	1249.10	1320.62	1391.68	1463.29	1532.85	1566.17	1599.77	1631.79	1662.83
	1450	706.08	778.31	849.14	923.12	995.78	1067.38	1139.59	1174.53	1211.34	1246.87	1319.05	1389.54	1461.33	1530.76	1564.76	1598.76	1630.12	1661.10
	1600	691.45	765.01	837.89	912.31	984.47	1057.95	1130.91	1167.83	1203.26	1239.76	1312.59	1383.92	1456.17	1526.15	1559.48	1593.18	1624.44	1654.21
	1750	679.33	753.99	826.79	901.69	975.09	1048.71	1123.71	1159.75	1196.56	1232.75	1306.16	1378.29	1451.01	1521.54	1554.39	1587.89	1617.95	1647.43
	1800	675.04	750.09	824.65	897.48	971.82	1045.97	1121.14	1156.95	1193.42	1230.31	1304.25	1376.93	1448.90	1519.40	1552.18	1586.10	1615.83	1644.90
	2000	660.04	736.45	810.94	885.62	961.70	1036.39	1110.98	1148.25	1184.50	1221.75	1295.71	1368.79	1442.31	1512.61	1544.48	1578.68	1606.86	1634.64
	2400	634.42	711.73	787.76	864.23	940.94	1016.80	1093.79	1130.60	1167.66	1204.81	1280.55	1354.44	1427.85	1497.79	1528.23	1561.19	1586.46	1609.87
	2800	612.09	689.21	767.86	844.82	922.28	1000.13	1077.33	1114.84	1151.91	1189.19	1265.71	1339.33	1412.50	1481.75	1509.92	1541.17	1562.21	1581.13
	3200	591.84	670.18	749.02	827.57	905.78	983.72	1062.06	1099.58	1136.84	1173.77	1251.06	1324.26	1396.60	1463.65	1489.16	1518.47	1534.59	1547.86
3600	572.95	652.54	731.77	810.94	889.96	968.88	1046.92	1084.03	1121.07	1157.93	1235.50	1307.80	1379.45	1444.16	1466.07	1492.99	1503.26	1509.99	
4000	555.97	636.72	716.41	795.47	874.64	953.87	1032.46	1069.38	1105.85	1142.31	1219.77	1290.81	1361.05	1423.02	1440.72	1464.99	1468.57		
5000	518.28	599.39	679.38	759.27	838.47	917.12	995.67	1031.11	1065.95	1100.56	1177.20	1244.36	1309.48	1361.49	1367.09				
6000	484.41	564.84	644.79	723.59	802.31	880.12	957.46	990.89	1023.38	1055.30	1130.07	1190.94	1249.06	1288.29					
7000	452.17	531.88	610.71	688.63	765.76	841.90	917.11	947.34	976.89	1005.20	1077.39	1130.15	1179.56						
8000	421.43	499.49	576.56	652.32	727.30	801.35	873.67	900.35	925.88	950.36	1018.43								

■ Belt Tooth Profile



■ Belt Code



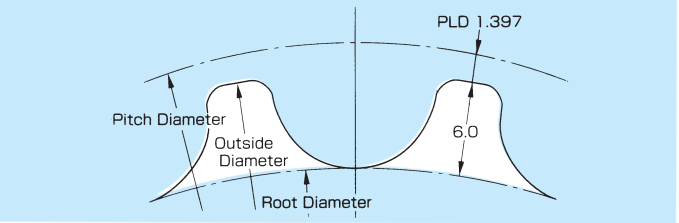
■ EV14M Belt Length

Description	Pitch Length(mm)	No. of Teeth
966-EV14M	966.0	69
1148-EV14M	1148.0	82
1190-EV14M	1190.0	85
1344-EV14M	1344.0	96
1400-EV14M	1400.0	100
1456-EV14M	1456.0	104
1512-EV14M	1512.0	108
1540-EV14M	1540.0	110
1568-EV14M	1568.0	112
1610-EV14M	1610.0	115
1638-EV14M	1638.0	117
1652-EV14M	1652.0	118
1680-EV14M	1680.0	120
1736-EV14M	1736.0	124
1778-EV14M	1778.0	127
1890-EV14M	1890.0	135
1932-EV14M	1932.0	138
1946-EV14M	1946.0	139
2002-EV14M	2002.0	143
2100-EV14M	2100.0	150
2198-EV14M	2198.0	157
2310-EV14M	2310.0	165
2450-EV14M	2450.0	175
2590-EV14M	2590.0	185
2660-EV14M	2660.0	190
2800-EV14M	2800.0	200
2940-EV14M	2940.0	210
3150-EV14M	3150.0	225
3360-EV14M	3360.0	240
3500-EV14M	3500.0	250
3850-EV14M	3850.0	275
4004-EV14M	4004.0	286
4326-EV14M	4326.0	309
5320-EV14M	5320.0	380

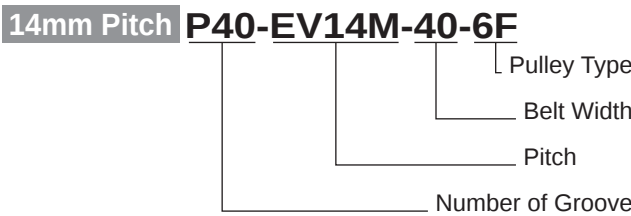
■ EV14M Standard Belt Width

Belt Width(mm)	30.0	40.0	55.0	70.0	85.0	100.0	115.0	130.0	150.0	170.0
Belt Width Code	30	40	55	70	85	100	115	130	150	170

■ Pulley Groove Profile



■ Pully Code



●EV14M基準伝動容量表 (Pc) ベルト幅40mm当り (表28)

		単位 kW																	
No. of Teeth		28	30	32	34	36	38	40	44	46	48	50	54	56	60	64	70	76	80
Pitch Dia (mm)		124.78	133.69	142.60	151.52	160.43	169.34	178.25	196.08	204.99	213.90	222.82	240.64	249.55	267.38	285.21	311.94	338.68	356.51
r.p.m. Of Faster Shaft (min ⁻¹)	10	0.55	0.59	0.63	0.67	0.71	0.75	0.79	0.87	0.91	0.95	0.99	1.07	1.11	1.19	1.27	1.39	1.52	1.60
	20	1.03	1.11	1.18	1.26	1.34	1.41	1.49	1.64	1.72	1.79	1.87	2.02	2.10	2.25	2.40	2.63	2.85	3.01
	30	1.49	1.60	1.71	1.82	1.93	2.04	2.15	2.37	2.48	2.59	2.70	2.92	3.03	3.25	3.47	3.80	4.13	4.35
	40	1.92	2.07	2.21	2.35	2.50	2.64	2.78	3.07	3.21	3.35	3.50	3.79	3.93	4.21	4.50	4.93	5.36	5.64
	50	2.35	2.52	2.70	2.87	3.05	3.23	3.40	3.75	3.93	4.10	4.28	4.63	4.81	5.15	5.50	6.03	6.55	6.90
	60	2.76	2.97	3.18	3.38	3.59	3.80	4.00	4.42	4.62	4.83	5.04	5.46	5.66	6.07	6.48	7.10	7.72	8.14
	70	3.17	3.41	3.64	3.88	4.12	4.36	4.60	5.07	5.31	5.55	5.79	6.27	6.50	6.98	7.45	8.16	8.87	9.35
	80	3.57	3.83	4.10	4.37	4.65	4.91	5.18	5.71	5.98	6.25	6.53	7.07	7.33	7.86	8.40	9.20	10.00	10.54
	90	3.96	4.26	4.56	4.86	5.16	5.45	5.75	6.35	6.65	6.95	7.25	7.85	8.15	8.74	9.33	10.22	11.12	11.72
	100	4.35	4.67	5.00	5.33	5.67	5.99	6.32	6.97	7.30	7.63	7.97	8.63	8.95	9.60	10.25	11.23	12.22	12.88
	200	8.00	8.60	9.22	9.83	10.46	11.06	11.67	12.89	13.50	14.12	14.74	15.98	16.58	17.79	19.00	20.82	22.66	23.89
	400	14.59	15.72	16.85	18.00	19.16	20.27	21.39	23.65	24.79	25.93	27.09	29.37	30.49	32.72	34.95	38.29	41.69	43.96
	600	20.65	22.26	23.88	25.52	27.17	28.76	30.36	33.58	35.20	36.82	38.48	41.73	43.31	46.48	49.63	54.37	59.17	62.38
	800	26.35	28.41	30.49	32.60	34.73	36.76	38.81	42.92	45.00	47.08	49.20	53.35	55.36	59.39	63.39	69.39	75.47	79.51
	900	29.09	31.37	33.68	36.01	38.37	40.61	42.87	47.42	49.71	52.00	54.35	58.92	61.14	65.58	69.97	76.55	83.21	87.63
	1000	31.78	34.27	36.79	39.34	41.92	44.37	46.84	51.80	54.30	56.81	59.37	64.35	66.76	71.58	76.35	83.48	90.69	95.47
	1200	36.97	39.88	42.82	45.79	48.80	51.65	54.51	60.27	63.17	66.07	69.04	74.79	77.57	83.10	88.55	96.68	104.86	110.26
	1400	41.97	45.27	48.61	51.99	55.40	58.63	61.86	68.36	71.63	74.90	78.24	84.70	87.79	93.96	100.01	108.98	117.97	123.86
	1500	44.39	47.89	51.42	55.00	58.61	62.01	65.42	72.27	75.71	79.15	82.67	89.45	92.69	99.14	105.46	114.79	124.11	130.19
	1600	46.78	50.46	54.18	57.95	61.74	65.32	68.90	76.09	79.69	83.30	86.98	94.07	97.45	104.16	110.71	120.36	129.96	136.20
	1800	51.42	55.47	59.55	63.67	67.84	71.74	75.64	83.46	87.37	91.28	95.27	102.90	106.53	113.69	120.63	130.78	140.78	147.21
	2000	55.91	60.29	64.72	69.18	73.69	77.89	82.09	90.48	94.66	98.84	103.09	111.19	115.00	122.51	129.73	140.17	150.35	
	2400	64.42	69.43	74.48	79.56	84.67	89.39	94.09	103.42	108.04	112.63	117.29	126.03	130.08	137.94	145.33	155.69		
	3000	76.07	81.87	87.68	93.49	99.31	104.59	109.80	119.98	124.95	129.81	134.72	143.62	147.57	154.96	161.48	169.79		
	3500	84.77	91.06	97.33	103.57	109.77	115.27	120.65	130.96	135.87	140.61	145.34	153.51	156.89					
	4000	92.52	99.15	105.71	112.18	118.53	124.02	129.29	139.12	143.64									

Note 1: In portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.

Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.

Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

● ベルト幅補正係数(Kw)及び標準取付張力 (表29)

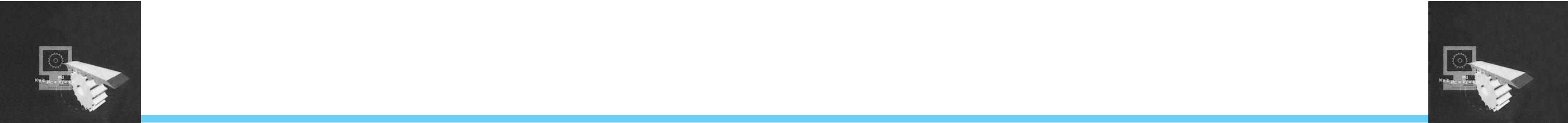
ベルト幅(mm)	30	40	55	60	70	80	85	100	115	130	150	170
幅補正係数 Kw	0.67	1.00	1.49	1.66	1.98	2.31	2.48	2.97	3.46	3.95	4.61	5.27
標準取付張力(N)	560	740	1100	1200	1400	1700	1800	2100	2500	2900	3400	3800

● ベルト長さ補正係数(KL) (表30)

ベルト幅(mm)	1300以下	1301～1700	1701～2000	2001～2500	2501～3200	3200以上
長さ補正係数 KL	0.80	0.90	0.95	1.00	1.05	1.10

● かみ合い補正係数(Km) (表31)

かみ合い歯数	6以上	5	4
Km	1.0	0.8	0.6



●EV14M基準許容伝達トルク表 (Ttr) ベルト幅40mm当り (表32)

No. of Teeth		28	30	32	34	36	38	40	44	46	48	50	54	56	60	64	70	76	80
Pitch Dia (mm)		124.78	133.69	142.60	151.52	160.43	169.34	178.25	196.08	204.99	213.90	222.82	240.64	249.55	267.38	285.21	311.94	338.68	356.51
r.p.m. Of Faster Shaft (min ⁻¹)	10	525.25	563.45	601.65	639.85	678.05	716.25	754.45	830.85	869.05	907.25	945.45	1021.85	1060.05	1136.45	1212.85	1327.45	1451.60	1528.00
	20	491.83	530.03	563.45	601.65	639.85	673.28	711.48	783.10	821.30	854.73	892.93	964.55	1002.75	1074.38	1146.00	1255.83	1360.88	1437.28
	30	474.32	509.33	544.35	579.37	614.38	649.40	684.42	754.45	789.47	824.48	859.50	929.53	964.55	1034.58	1104.62	1209.67	1314.72	1384.75
	40	458.40	494.21	527.64	561.06	596.88	630.30	663.73	732.96	766.39	799.81	835.63	904.86	938.29	1005.14	1074.38	1177.04	1279.70	1346.55
	50	448.85	481.32	515.70	548.17	582.55	616.93	649.40	716.25	750.63	783.10	817.48	884.33	918.71	983.65	1050.50	1151.73	1251.05	1317.90
	60	439.30	472.73	506.15	537.98	571.41	604.83	636.67	703.52	735.35	768.78	802.20	869.05	900.88	966.14	1031.40	1130.08	1228.77	1295.62
	70	432.48	465.22	496.60	529.34	562.09	594.83	627.57	691.69	724.44	757.18	789.92	855.41	886.79	952.27	1016.39	1113.26	1210.12	1275.61
	80	426.17	457.21	489.44	521.67	555.09	586.13	618.36	681.63	713.86	746.09	779.52	843.98	875.02	938.29	1002.75	1098.25	1193.75	1258.21
	90	420.20	452.03	483.87	515.70	547.53	578.31	610.14	673.81	705.64	737.47	769.31	832.97	864.81	927.41	990.02	1084.46	1179.96	1243.62
	100	415.43	445.99	477.50	509.02	541.49	572.05	603.56	665.64	697.15	728.67	761.14	824.17	854.73	916.80	978.88	1072.47	1167.01	1230.04
	200	382.00	410.65	440.26	469.38	499.47	528.12	557.24	615.50	644.63	674.23	703.84	763.05	791.70	849.47	907.25	994.16	1082.02	1140.75
	400	348.34	375.32	402.29	429.75	457.45	483.95	510.69	564.64	591.86	619.08	646.77	701.21	727.95	781.19	834.43	914.17	995.35	1049.55
	600	328.68	354.31	380.09	406.19	432.46	457.76	483.23	534.48	560.27	586.05	612.47	664.20	689.35	739.81	789.94	865.39	941.79	992.88
	800	314.55	339.14	363.97	389.16	414.59	438.82	463.29	512.36	537.19	562.02	587.33	636.87	660.86	708.97	756.72	828.34	900.92	949.15
	900	308.68	332.87	357.38	382.11	407.15	430.92	454.90	503.18	527.48	551.78	576.71	625.21	648.76	695.88	742.46	812.28	882.95	929.85
	1000	303.50	327.28	351.34	375.70	400.34	423.73	447.32	494.69	518.57	542.54	566.98	614.54	637.56	683.59	729.14	797.23	866.09	911.74
	1200	294.22	317.38	340.78	364.41	388.37	411.05	433.81	479.65	502.73	525.81	549.44	595.20	617.33	661.34	704.71	769.41	834.51	877.49
	1400	286.30	308.81	331.59	354.65	377.91	399.94	421.97	466.31	488.62	510.93	533.71	577.78	598.85	640.94	682.21	743.40	804.72	844.90
	1500	282.62	304.90	327.37	350.17	373.15	394.80	416.51	460.12	482.02	503.92	526.33	569.50	590.13	631.19	671.43	730.83	790.17	828.88
	1600	279.22	301.18	323.39	345.89	368.51	389.88	411.25	454.16	475.65	497.20	519.16	561.48	581.65	621.71	660.80	718.40	775.70	812.94
	1800	272.81	294.30	315.95	337.80	359.93	380.62	401.31	442.80	463.55	484.29	505.46	545.94	565.20	603.19	640.01	693.86	746.92	781.03
	2000	266.97	287.88	309.04	330.33	351.87	371.92	391.98	432.04	452.00	471.96	492.25	530.93	549.13	584.99	619.46	669.31	717.92	
	2400	256.34	276.27	296.37	316.58	336.92	355.70	374.40	411.53	429.91	448.17	466.72	501.49	517.61	548.89	578.29	619.52		
	3000	242.16	260.62	279.11	297.61	316.14	332.94	349.53	381.94	397.76	413.23	428.86	457.19	469.76	493.29	514.04	540.50		
	3500	231.30	248.46	265.57	282.60	299.52	314.52	329.20	357.33	370.73	383.66	396.57	418.86	428.09					
	4000	220.89	236.72	252.38	267.83	282.99	296.10	308.68	332.15	342.94									

Note 1: In

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 portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.
Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.
Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

●EV14M基準許容張力表 (Ta) ベルト幅40mm当り (表36)

		単位 KN																
No. of Teeth	28	30	32	34	36	38	40	44	46	48	50	54	56	60	64	70	76	80
Pitch Dia (mm)	124.78	133.69	142.60	151.52	160.43	169.34	178.25	196.08	204.99	213.90	222.82	240.64	249.55	267.38	285.21	311.94	338.68	356.51
r.p.m. Of Faster Shaft (min ⁻¹)	10	8.42	8.43	8.44	8.45	8.45	8.46	8.47	8.47	8.48	8.48	8.49	8.50	8.50	8.50	8.51	8.57	8.57
	20	7.88	7.93	7.90	7.94	7.98	7.95	7.98	7.99	8.01	7.99	8.01	8.02	8.04	8.04	8.05	8.04	8.06
	30	7.60	7.62	7.63	7.65	7.66	7.67	7.68	7.70	7.71	7.71	7.73	7.73	7.74	7.75	7.76	7.76	7.77
	40	7.35	7.39	7.40	7.41	7.44	7.44	7.45	7.48	7.48	7.48	7.52	7.52	7.53	7.53	7.55	7.56	7.55
	50	7.19	7.20	7.23	7.24	7.26	7.29	7.29	7.31	7.32	7.32	7.34	7.35	7.36	7.36	7.37	7.38	7.39
	60	7.04	7.07	7.10	7.10	7.12	7.14	7.14	7.18	7.17	7.19	7.20	7.22	7.22	7.23	7.23	7.25	7.26
	70	6.93	6.96	6.96	6.99	7.01	7.03	7.04	7.06	7.07	7.08	7.09	7.11	7.11	7.12	7.13	7.14	7.16
	80	6.83	6.84	6.86	6.89	6.92	6.92	6.94	6.95	6.96	6.98	7.00	7.01	7.01	7.02	7.03	7.04	7.06
	90	6.74	6.76	6.79	6.81	6.83	6.83	6.85	6.87	6.88	6.90	6.91	6.92	6.93	6.94	6.94	6.95	6.98
	100	6.66	6.67	6.70	6.72	6.75	6.76	6.77	6.79	6.80	6.81	6.83	6.85	6.85	6.86	6.88	6.89	6.90
	200	6.12	6.14	6.17	6.20	6.23	6.24	6.25	6.28	6.29	6.30	6.32	6.34	6.34	6.35	6.36	6.37	6.40
	400	5.58	5.61	5.64	5.67	5.70	5.72	5.73	5.76	5.77	5.79	5.81	5.83	5.83	5.84	5.85	5.86	5.89
	600	5.27	5.30	5.33	5.36	5.39	5.41	5.42	5.45	5.47	5.48	5.50	5.52	5.52	5.53	5.54	5.55	5.57
	800	5.04	5.07	5.10	5.14	5.17	5.18	5.20	5.23	5.24	5.25	5.27	5.29	5.30	5.30	5.31	5.31	5.32
	900	4.95	4.98	5.01	5.04	5.08	5.09	5.10	5.13	5.15	5.16	5.18	5.20	5.20	5.21	5.21	5.21	5.22
	1000	4.86	4.90	4.93	4.96	4.99	5.00	5.02	5.05	5.06	5.07	5.09	5.11	5.11	5.11	5.11	5.11	5.11
	1200	4.72	4.75	4.78	4.81	4.84	4.85	4.87	4.89	4.90	4.92	4.93	4.95	4.95	4.95	4.94	4.93	4.92
	1400	4.59	4.62	4.65	4.68	4.71	4.72	4.73	4.76	4.77	4.78	4.79	4.80	4.80	4.79	4.78	4.77	4.74
	1500	4.53	4.56	4.59	4.62	4.65	4.66	4.67	4.69	4.70	4.71	4.72	4.73	4.73	4.72	4.71	4.69	4.65
	1600	4.48	4.51	4.54	4.57	4.59	4.60	4.61	4.63	4.64	4.65	4.66	4.67	4.66	4.65	4.63	4.61	4.56
	1800	4.37	4.40	4.43	4.46	4.49	4.50	4.52	4.52	4.53	4.54	4.54	4.53	4.51	4.49	4.45	4.41	4.38
	2000	4.28	4.31	4.33	4.36	4.39	4.39	4.40	4.41	4.41	4.41	4.42	4.41	4.40	4.38	4.34	4.29	4.24
	2400	4.11	4.13	4.16	4.18	4.20	4.20	4.20	4.19	4.19	4.19	4.17	4.15	4.11	4.06	3.97		
	3000	3.88	3.90	3.91	3.93	3.94	3.93	3.92	3.90	3.88	3.86	3.85	3.80	3.76	3.69	3604.67	3.47	
	3500	3.71	3.72	3.72	3.73	3.73	3.71	3.69	3.64	3.62	3.59	3.56	3.48	3.43				
	4000	3.54	3.54	3.54	3.54	3.53	3.50	3.46	3.39	3.35								

Note 1: In

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 portion, the belt life is reduced in accordance with the relationship between pulley diameter and rpm.
Note 2: The selected pulley diameter (pitch diameter) should be larger than the belt width with the difference as large as possible.
Note 3: When using a non-standard pulley or rpm which is not provided in a table, calculate proportionally from the nearest values.

● ベルト幅補正係数(Kw)及び標準取付張力 (表33)

ベルト幅(mm)	30	40	55	60	70	80	85	100	115	130	150	170
幅補正係数 Kw	0.67	1.00	1.49	1.66	1.98	2.31	2.48	2.97	3.46	3.95	4.61	5.27
標準取付張力(N)	560	740	1100	1200	1400	1700	1800	2100	2500	2900	3400	3800

● ベルト長さ補正係数(KL) (表34)

ベルト幅(mm)	1300以下	1301～1700	1701～2000	2001～2500	2501～3200	3200以上
長さ補正係数 KL	0.80	0.90	0.95	1.00	1.05	1.10

● かみ合い補正係数(Km) (表35)

かみ合い歯数	6以上	5	
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Power Grip GT Special Pitch Belt

Power Grip · HTD Belt · Pulley

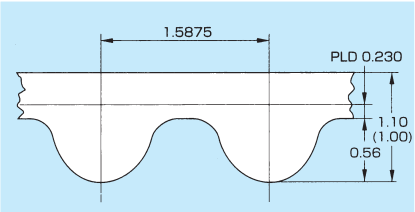
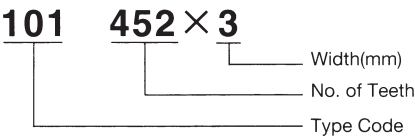
High Torque Drive, World Wide

■ Belt Tooth Profile and Belt Code

101 Series

Pitch : 1.5875mm (1/16")

● Belt Code



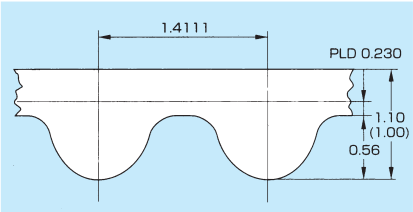
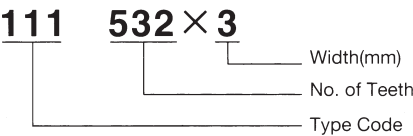
■ Belt Length

Code	Pitch Length	No. of Teeth
101 045	71.4375	45
101 060	95.2500	60
101 202	320.6750	202
101 306	485.7750	306
101 311	493.7125	311
101 362	574.6750	362
101 452	717.5500	452
101 572	908.0500	572

111 Series

Pitch : 1.4111mm (1/18")

● Belt Code



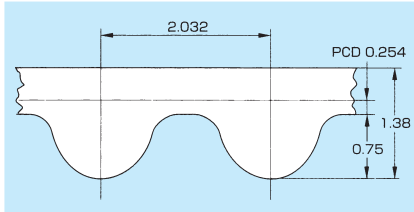
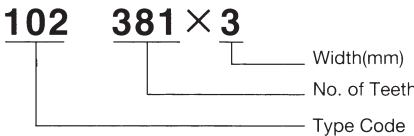
■ Belt Length

Code	Pitch Length	No. of Teeth
111 116	163.6889	116
111 126	177.8000	126
111 129	182.0333	129
111 133	187.6778	133
111 150	211.6667	150
111 192	270.9333	192
111 240	338.6667	240
111 246	347.1333	246
111 354	499.5333	354
111 418	589.8444	418
111 420	592.6667	420
111 425	599.7222	425
111 431	608.1889	431
111 444	626.5333	444
111 445	627.9444	445
111 451	636.4111	451
111 475	670.2778	475
111 476	671.6889	476
111 477	673.1000	477
111 484	682.9778	484
111 494	697.0889	494
111 498	702.7333	498
111 532	750.7111	532
111 540	762.0000	540
111 570	804.3333	570
111 610	860.7778	610
111 652	920.0444	652
111 654	922.8667	654
111 696	982.1333	696
111 720	1016.0000	720
111 764	1078.0889	764
111 773	1090.7889	773
111 1050	1481.6667	1050

102 Series

Pitch : 2.032mm (1/12.5")

● Belt Code

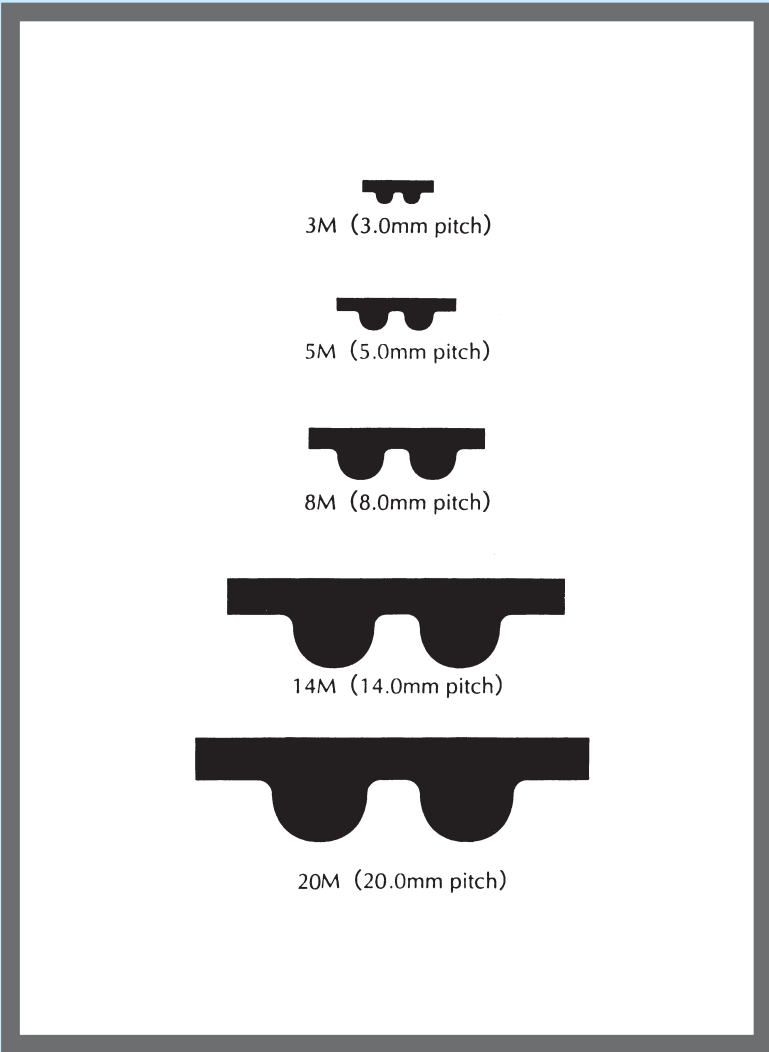


■ Belt Length

Code	Pitch Length	No. of Teeth
102 045	91.4400	45
102 063	128.0160	63
102 090	182.8800	90
102 221	449.0720	221
102 305	619.7600	305
102 312	633.9840	312
102 318	646.1760	318
102 334	678.6880	334
102 357	725.4240	357
102 359	729.4880	359
102 364	739.6480	364
102 366	743.7120	366
102 380	772.1600	380
102 381	774.1920	381
102 385	782.3200	385
102 389	790.4480	389
102 404	820.9280	404
102 446	906.2720	446
102 500	1016.0000	500
102 506	1028.1920	506
102 524	1064.7680	524
102 536	1089.1520	536

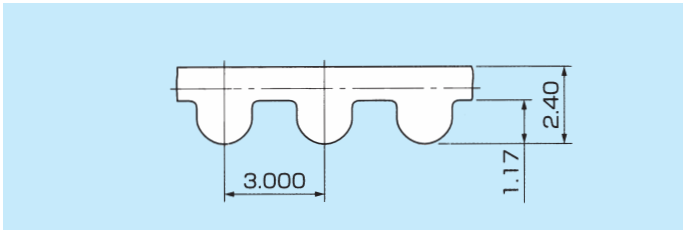
Belt Type	101	111	102
Pulley Code	PE	PH	PC
Tooth Profile	1.5GT	1.5GT	2GT
P. L. D.	0.230	0.230	0.254
Pulley Diameter Calculation (mm)	Pitch Diameter (P. D.) : $\frac{\text{Pitch} \times \text{No. of Grooves}}{\pi}$, Outside Diameter (O. D.) : P.D. - P.L.D. × 2		

Power Grip HTD

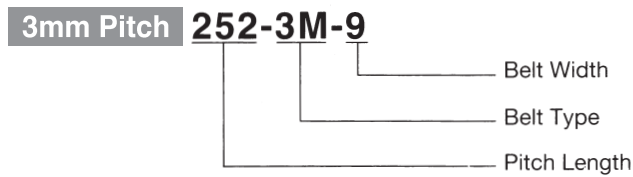


We have a line of 3mm,5mm,8mm,14m, pitched belts as PowerGrip HTD Belt
※PowerGrip HTD Pulley is required to the transmission system with PowerGrip HTD Belt
PowerGrip HTD is not compatible with GT or Timing.

■ Belt Tooth Profile



■ Belt Code



■ HTD 3M Belt Length

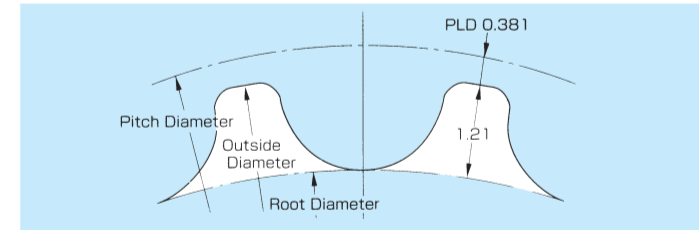
Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth	Description	Pitch Length(mm)	No. of Teeth
*87-3M	87.0	29	*294-3M	294.0	98	*531-3M	531.0	177	1026-3M	1026.0	342
*105-3M	105.0	35	*297-3M	297.0	99	537-3M	537.0	179	1038-3M	1038.0	346
108-3M	108.0	36	300-3M	300.0	100	549-3M	549.0	183	1050-3M	1050.0	350
*111-3M	111.0	37	303-3M	303.0	101	552-3M	552.0	184	*1071-3M	1071.0	357
120-3M	120.0	40	*306-3M	306.0	102	*558-3M	558.0	186	*1080-3M	1080.0	360
*123-3M	123.0	41	309-3M	309.0	103	564-3M	564.0	188	1086-3M	1086.0	362
*126-3M	126.0	42	312-3M	312.0	104	567-3M	567.0	189	1110-3M	1110.0	370
129-3M	129.0	43	*315-3M	315.0	105	*570-3M	570.0	190	1188-3M	1188.0	396
132-3M	132.0	44	*318-3M	318.0	106	*573-3M	573.0	191	1227-3M	1227.0	409
135-3M	135.0	45	324-3M	324.0	108	579-3M	579.0	193	*1245-3M	1245.0	415
*141-3M	141.0	47	327-3M	327.0	109	*582-3M	582.0	194	1260-3M	1260.0	420
144-3M	144.0	48	330-3M	330.0	110	*591-3M	591.0	197	*1263-3M	1263.0	421
147-3M	147.0	49	333-3M	333.0	111	*594-3M	594.0	198	*1500-3M	1500.0	500
150-3M	150.0	50	336-3M	336.0	112	597-3M	597.0	199	*1530-3M	1530.0	510
153-3M	153.0	51	339-3M	339.0	113	*600-3M	600.0	200	1800-3M	1800.0	600
156-3M	156.0	52	342-3M	342.0	114	609-3M	609.0	203	*1863-3M	1863.0	621
159-3M	159.0	53	*345-3M	345.0	115	*612-3M	612.0	204	*1926-3M	1926.0	642
162-3M	162.0	54	351-3M	351.0	117	*627-3M	627.0	209			
*165-3M	165.0	55	*357-3M	357.0	119	633-3M	633.0	211			
*168-3M	168.0	56	360-3M	360.0	120	*645-3M	645.0	215			
171-3M	171.0	57	363-3M	363.0	121	648-3M	648.0	216			
174-3M	174.0	58	*372-3M	372.0	124	654-3M	654.0	218			
177-3M	177.0	59	375-3M	375.0	125	660-3M	660.0	220			
*180-3M	180.0	60	*381-3M	381.0	127	666-3M	666.0	222			
*183-3M	183.0	61	384-3M	384.0	128	*669-3M	669.0	223			
186-3M	186.0	62	393-3M	393.0	131	672-3M	672.0	224			
*189-3M	189.0	63	396-3M	396.0	132	681-3M	681.0	227			
192-3M	192.0	64	402-3M	402.0	134	687-3M	687.0	229			
195-3M	195.0	65	405-3M	405.0	135	690-3M	690.0	230			
198-3M	198.0	66	420-3M	420.0	140	693-3M	693.0	231			
201-3M	201.0	67	423-3M	423.0	141	699-3M	699.0	233			
*204-3M	204.0	68	426-3M	426.0	142	702-3M	702.0	234			
207-3M	207.0	69	432-3M	432.0	144	705-3M	705.0	235			
210-3M	210.0	70	435-3M	435.0	145	*711-3M	711.0	237			
*213-3M	213.0	71	438-3M	438.0	146	*720-3M	720.0	240			
*222-3M	222.0	74	441-3M	441.0	147	723-3M	723.0	241			
225-3M	225.0	75	444-3M	444.0	148	732-3M	732.0	244			
228-3M	228.0	76	*447-3M	447.0	149	*735-3M	735.0	245			
234-3M	234.0	78	459-3M	459.0	153	738-3M	738.0	246			
*237-3M	237.0	79	462-3M	462.0	154	750-3M	750.0	250			
*243-3M	243.0	81	468-3M	468.0	156	*753-3M	753.0	251			
246-3M	246.0	82	471-3M	471.0	157	783-3M	783.0	261			
249-3M	249.0	83	*474-3M	474.0	158	804-3M	804.0	268			
252-3M	252.0	84	477-3M	477.0	159	*822-3M	822.0	274			
*255-3M	255.0	85	*480-3M	480.0	160	825-3M	825.0	275			
258-3M	258.0	86	483-3M	483.0	161	*843-3M	843.0	281			
264-3M	264.0	88	486-3M	486.0	162	858-3M	858.0	286			
*267-3M	267.0	89	501-3M	501.0	167	861-3M	861.0	287			
270-3M	270.0	90	504-3M	504.0	168	873-3M	873.0	291			
276-3M	276.0	92	510-3M	510.0	170	*882-3M	882.0	294			
279-3M	279.0	93	513-3M	513.0	171	936-3M	936.0	312			
*282-3M	282.0	94	516-3M	516.0	172	*945-3M	945.0	315			
285-3M	285.0	95	519-3M	519.0	173	*975-3M	975.0	325			
*288-3M	288.0	96	*522-3M	522.0	174	*981-3M	981.0	327			
291-3M	291.0	97	*525-3M	525.0	175	*1002-3M	1002.0	334			

■ HTD 3M Standard Belt Width

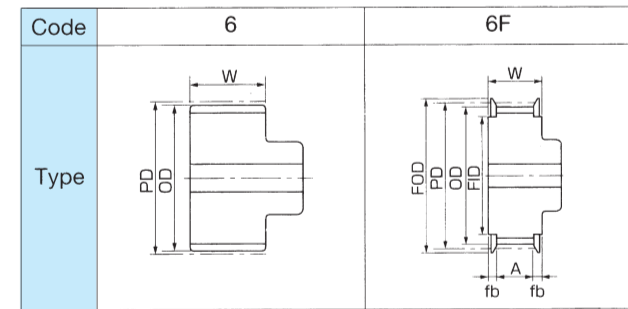
Belt Width(mm)	6.0	9.0	15.0
Belt Width Code	6	9	15

HTD 3M Pulley

■ Pulley Groove Profile



■ Pulley Type



■ Pulley Dimension Table

No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD	No. of Grooves	PD	OD	FID	FOD
10	9.55	8.79	6	13	51	48.70	47.94	43	52	96	91.67	90.91	86	95	126	120.32	119.56	115	124
					52	49.66	48.89	44	53	97	92.63	91.87	87	96	127	121.28	120.51	116	125
					53	50.61	49.85	45	54	98	93.58	92.82	88	97	128	122.23	121.47	117	126
					54	51.57	50.80	46	55	99	94.54	93.78	89	98	129	123.19	122.42	118	127
					55	52.52	51.76	47	56	100	95.49	94.73	90	99	130	124.14	123.38	119	128
11	10.50	9.74	7	14	56	53.48	52.71	48	57	101	96.45	95.69	90	100	131	125.10	124.33	119	129
12	11.46	10.70	7	15	57	54.43	53.67	49	58	102	97.40	96.64	91	101	132	126.05	125.29	120	130
13	12.41	11.65	8	16	58	55.39	54.62	50	59	103	98.36	97.60	92	102	133	127.01	126.24	121	131
14	13.37	12.61	9	17	59	56.34	55.58	51	60	104	99.31	98.55	93	103	134	127.96	127.20	122	132
15	14.32	13.56	10	18	60	57.30	56.53	52	61	105	100.27	99.51	94	104	135	128.92	128.15	123	133
16	15.28	14.52	11	19	61	58.25	57.49	53	62	106	101.22	100.46	95	105	136	129.87	129.11	124	134
17	16.23	15.47	12	20	62	59.21	58.44	54	63	107	102.18	101.42	96	106	137	130.83	130.06	125	135
18	17.19	16.43	12	21	63	60.16	59.40	55	64	108	103.13	102.37	97	107	138	131.78	131.02	126	136
19	18.14	17.38	13	22	64	61.12	60.35	56	65	109	104.09	103.33	98	108	139	132.74	131.97	127	137
20	19.10	18.34	14	23	65	62.07	61.31	56	66	110	105.04	104.28	99	109	140	133.69	132.93	128	138
21	20.05	19.29	15	24	66	63.03	62.26	57	67	111	106.00	105.24	100	110	141	134.65	133.88	129	139
22	21.01	20.25	16	24	67	63.98	63.22	58	68	112	106.95	106.19	101	111	142	135.60	134.84	130	139
23	21.96	21.20	17	25	68	64.94	64.17	59	69	113	107.91	107.15	102	112	143	136.55	135.79	131	140
24	22.92	22.16	18	26	69	65.89	65.13	60	70	114	108.86	108.10	103	113	144	137.51	136.75	132	141
25	23.87	23.11	18	27	70	66.85	66.08	61	70	115	109.82	109.05	104	113	145	138.46	137.70	133	142
26	24.83	24.07	19	28	71	67.80	67.04	62	71	116	110.77	110.01	105	114	146	139.42	138.66	134	143
27	25.78	25.02	20	29	72	68.75	67.99	63	72	117	111.73	110.96	106	115	147	140.37	139.61	135	144
28	26.74	25.98	21	30	73	69.71	68.95	64	73	118	112.68	111.92	107	116	148	141.33	140.57	136	145
29	27.69	26.93	22	31	74	70.66	69.90	65	74	119	113.64	112.87	108	117	149	142.28	141.52	137	146
30	28.65	27.89	23	32	75	71.62	70.86	66	75	120	114.59	113.83	109	118	150	143.24	142.48	138	147
31	29.60	28.84	24	33	76	72.57	71.81	67	76	121	115.55	114.78	110	119					
32	30.56	29.80	25	34	77	73.53	72.77	68	77	122	116.50	115.74	111	120					
33	31.51	30.75	26	35	78	74.48	73.72	69	78	123	117.46	116.69	112	121					
34	32.47	31.71	27	36	79	75.44	74.68	70	79	124	118.41	117.65	113	122					
35	33.42	32.66	28	37	80	76.39	75.63	71	80	125	119.37	118.60	114	123					
36	34.38	33.62	29	38	81	77.35	76.59	72	81										
37	35.33	34.57	30	39	82	78.30	77.54	73	82										
38	36.29	35.53	31	40	83	79.26	78.50	74	83										
39	37.24	36.48	32	41	84	80.21	79.45	75	84										
40	38.20	37.44	33	42	85	81.17	80.41	76	85										
41	39.15	38.39	34	43	86	82.12	81.36	76	86										
42	40.11	39.35	34	44	87	83.08	82.32	77	87										
43	41.06	40.30	35	45	88	84.03	83.27	78	88										
44	42.02	41.25	36	46	89	84.99	84.23	79	89										
45	42.97	42.21	37	47	90	85.94	85.18	80	90										
46	43.93	43.16	38	48	91	86.90	86.14	81	91										
47	44.88	44.12	39	49	92	87.85	87.09	82	91										
48	45.84	45.07	40	49	93	88.81	88.05	83	92										
49	46.79	46.03	41	50	94	89.76	89.00	84	93										
50	47.75	46.98	42	51	95	90.72	89.96	85	94										