

Belt Number & Identification Chart

Synchronous Belts

All synchronous belts are identified in a similar manner, in either English or metric units. Belts are measured by:

- Pitch:** Distance in inches or millimeters between two adjacent tooth centers as measured on the belt pitch line.
- Pitch Length:** Total length (circumference) in inches or millimeters as measured along the pitch line. It is equal to the pitch multiplied by the number of teeth in the belt.
- Width:** Always shown as the last part of the size designation. Denotes width in inches or millimeters.

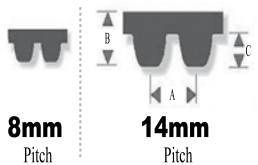
Poly Chain® GT2 Belts

Examples: 8MGT-640-12 Belt 8MX-22S-12 1008 GT2 Sprocket

Available in 8mm and 14mm pitches.

8mm widths include: 12mm, 21mm, 36mm, 62mm;
14mm widths include: 20mm, 37mm, 68mm, 90mm, 125mm

Stock Belt Pitch		Reference Dimensions			
P.L. (mm)	P.L. (in.)	A	B	C	
8mm	640	25.20	8mm	5.9mm	3.4mm
	4480	176.38	.315 in.	.233 in.	.135 in.
14mm	994	39.13	14mm	10.2mm	3.4mm
	4410	173.62	.552 in.	.401 in.	.236 in.



NOTE: Gates recommends that Poly Chain GT2 belts run only in Poly Chain GT2 sprockets when used for new applications.
Gates recommends that Poly Chain GT2 belts be used for replacement belts in Poly Chain GT sprockets.

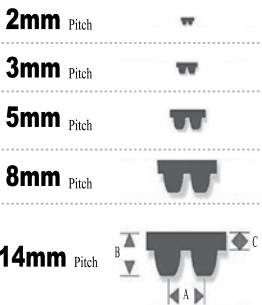
PowerGrip® GT2 Belts

- Examples: 640-8MGT-20 Belt
P22-8MGT-20 1108 Sprocket
- Examples: SMR-300-09 Belt
P18-8MGT-15 Sprocket

Available in 2mm, 3mm, 5mm, 8mm, 14mm and 20mm pitches.

2mm widths include: 4mm, 6mm, 9mm; 3mm widths include: 6mm, 9mm, 15mm; 5mm widths include: 9mm, 15mm, 25mm;
8mm widths include: 20mm, 30mm, 50mm, 85mm;
14mm widths include: 40mm, 55mm, 85mm, 115mm, 170mm

Stock Belt Pitch		Reference Dimensions			
P.L. (mm)	P.L. (in.)	A	B	C	
2mm	100	3.94"	2mm	1.52mm	.76mm
	1164	45.83"	.0787 in.	.060 in.	.030 in.
3mm	219	8.62"	3mm	2.41mm	1.14mm
	2061	81.14"	.1181 in.	.095 in.	.045 in.
5mm	300	11.81"	5mm	3.81mm	1.93mm
	2100	82.67"	.197 in.	.150 in.	.076 in.
8mm	384	15.12"	8mm	5.59mm	3.28mm
	4400	173.25"	.315 in.	.220 in.	.129 in.
14mm	966	38.03"	14mm	9.91mm	5.84mm
	6860	270.07"	.552 in.	.390 in.	.230 in.

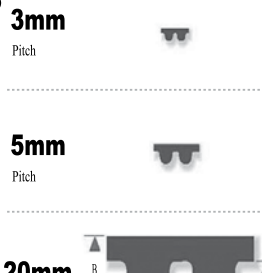


Note: PowerGrip GT2 belts must be used with PowerGrip GT2 sprockets for new designs
Note: 8 and 14 mm pitch PowerGrip GT2 belts can be used as replacement belts at the next smaller width for the following HTD, Rpp, Rpp-Plus, HTB, HPT, HT100, HT150, ETH, HPR, HPPD, EHT or HTT.
Example: 14mm-170mm width - substitute a PowerGrip GT2 - 14mm - 115 without any performance loss.

PowerGrip® HTD® Belts

Examples: 350-5M-15 Belt P28-5M-15AL Sprocket

Stock Belt Pitch		Reference Dimensions			
P.L. (mm)	P.L. (in.)	A	B	C	
3mm	150	5.91"	3mm	2.41mm	1.22mm
	1263	49.72"	.1181 in.	.095 in.	.048 in.
5mm	350	13.78"	5mm	3.81mm	2.08mm
	2525	99.40"	.197 in.	.150 in.	.082 in.
20mm	2000	212.60"	20mm	13.2mm	8.4mm
	6600	259.84"	.787 in.	.520 in.	.330 in.



Available in 3mm and 5mm pitches.
3mm widths include: 6mm, 9mm, 15mm
5mm widths include: 9mm, 15mm, 25mm
20mm widths include: 115mm, 170mm, 230mm, 290mm, 340mm

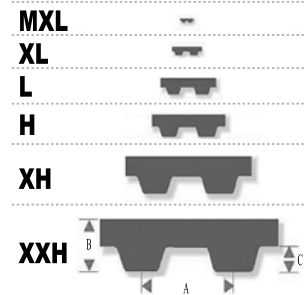
PowerGrip® Timing Belts

Available in the following widths:

MXL widths include:	XL widths include:	L widths include:	H widths include:	XH widths include:	XXH widths include:
012 (.125") 019 (.188") 025 (.250")	025 (.250") 057 (.375")	050 (.500") 075 (.750") 100 (1.000")	075 (.750") 200 (2.000") 100 (1.000") 300 (3.000") 150 (1.500")	200 (2.000") 300 (3.000") 400 (4.000")	200 (2.000") 400 (4.000") 300 (3.000") 500 (5.000")

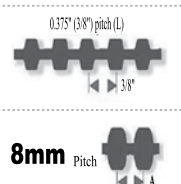
Examples: 210L100 Belt 18L100Pulley

Stock Belt Pitch		Reference Dimensions			
P.L. (in.)	A	B	C		
MXL	3.60"	2.03mm	1.14mm	0.51mm	
	32.00"	.080 in.	.045 in.	.020 in.	
XL	5.00"	5.08mm	2.29mm	1.27mm	
	77.00"	.200 in.	.090 in.	.050 in.	
L	12.38"	9.53mm	3.60mm	1.91mm	
	81.75"	.375 in.	.140 in.	.075 in.	
H	21.00"	12.70mm	4.10mm	2.29mm	
	170.00"	.500 in.	.160 in.	.090 in.	
XH	50.75"	22.23mm	11.20mm	6.35mm	
	175.00"	.875 in.	.440 in.	.250 in.	
XXH	70.00"	31.75mm	15.70mm	9.53mm	
	180.00"	1.250 in.	.620 in.	.375 in.	



PowerGrip® & PowerGrip® GT2® Twin Power® Belts

Timing Belts		PowerGrip GT2				
Stock Belt Pitch	Reference Dimensions	Stock Belt Pitch	Reference Dimensions			
P.L. (in.)	Pitch	P.L. (mm)	P.L. (in.)	A		
XL	12.40"	5.08mm	3mm	375	14.76"	3mm
	85.00"	.200 in.		2061	81.14"	.118 in.
L	15.00"	9.53mm	5mm	400	15.75"	5mm
	94.50"	.375 in.		3800	149.61"	.197 in.
H	21.00"	12.70mm	8mm	560	22.05"	8mm
	233.00"	.500 in.		4400	173.23"	.315 in.
			14mm	966	38.03"	14mm
				4578	180.24"	.552 in.



XL widths include: 025 (.250"), 037 (.375")
L widths include: 050 (.500"), 075 (.750"), 100 (1.000")
H widths include: 075 (.750"), 100 (1.000")
150 (1.500"), 200 (2.000"), 300 (3.000")

Examples: TP800H100 Belt (Timing) TP1200-8M-20GT Belt (GT) TP1200-8MGT-20 Belt (GT2)

Note: Additional sizes available

Long Length Belting

Long Length Belting

Available in 8mm and 14mm - Poly Chain GT2

2mm, 3mm, 5mm & 8mm PowerGrip GT2 (Fiberglass) - 5mm & 8mm PowerGrip GT2 (Steel)
3mm, 5mm, 8mm & 14mm PowerGrip HTD (Fiberglass) - 14mm PowerGrip HTD (Steel)

MXL, XL, L and H pitch PowerGrip Timing (Fiberglass) - XL, L and H pitch PowerGrip Timing (Steel)

Note: Minimum order quantity - 50 ft. fiberglass construction, 98 ft. steel construction. 50 ft. in Poly Chain GT2 construction. Note: Refer to Catalog No. 19993 for widths.

Urethane Timing Belts GATES MECTROL

Available in T5, T10, T20, AT5, AT10, AT20, WT10, 5HTD, 8HTD, 14HTD, XL, L, H, XH and WH pitches.

Note: Minimum order quantities apply. Note: Refer to Catalog No. 19993 for widths, constructions and stocked sizes.

WARNING: Do not use Gates belts, pulleys or sprockets on any aircraft propeller or rotor drive systems or in-flight accessory drives. Gates products are not designed or intended for aircraft use.

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