



## Standard Construction Features

Belt Type: Synchronous  
Core Material: Polyurethane  
Cord/Tensile: Carbon  
Jacket: Blue Nylon



## Belt Section Dimensions

Tooth Type	Pitch (mm)	$h_s$ (mm)	$h_t$ (mm)
GT	8.000	5.900	3.400

## Belt Dimensions

Pitch Length (mm)	No. Teeth	Width (mm)
1280.00 $\pm 0.820$	160	21.000 $\pm 0.630$

## Measuring Information

Y (mm)	T (N)	No. Teeth	O.D. (mm)	Pitch Circum. (mm)	Radial Runout (mm)	Axial Runout (mm)	PLD 2a (mm)
488.00 $\pm 0.410$	105	38	95.17	304.00	0.0005	0.0010	1.600



The length shall be measured by placing the belts on two pulleys of equal diameters that have been grooved in accordance with standard specifications and rotated at least three complete turns with the specified tension so that each strand receives half the total tension. The length will be that length obtained by adding the Pitch Circumference of one pulley to twice the center distance (dimension 'Y').



## DesignView™ Belt Information Sheet

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**Poly Chain GT Carbon - 8MGT**

Gates Product Number

**9274-1160**

Customer Part Number

**8MGT-1280-21**