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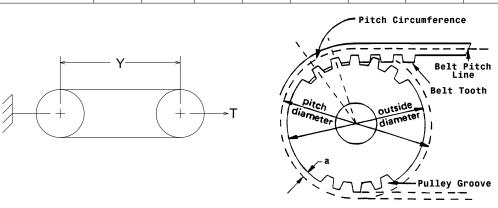
Belt Type: Synchronous
Core Material: Polyurethane
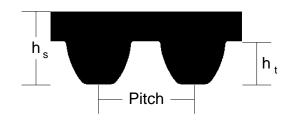Cord/Tensile: Carbon
Jacket: Blue Nylon

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)
4000.00 + 1.320 / - 1.320	500	12.000 + 0.610 / - 0.610

Measuring Information

Y (mm)	T (N)	No. Teeth	O.D. (mm)	Pitch Circum. (mm)	Radial Runout (mm)	Axial Runout (mm)	PLD 2a (mm)
1848.00 + 0.660 / + 0.660	59	38	95.17	304.00	0.0005	0.0010	1.600

DesignView™
Belt Information Sheet

Created 23 Jun 2017 by Gates

Created for

Poly Chain GT Carbon - 8MGT

Gates Product Number	Customer Part Number
9274-0500	8MGT-4000-12

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').

Application Version: 1.1.24 Database Version: 1.1.00