



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) |
|--------------------|-----------|--------------------|
| 640.00 ± 0.600 | 80 | 12.000 ± 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) |
|--------------------|-------|-----------|-----------|--------------------|--------------------|-------------------|-------------|
| 168.00 ± 0.300 | 59 | 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

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Customer Part Number

8MGT-640-12