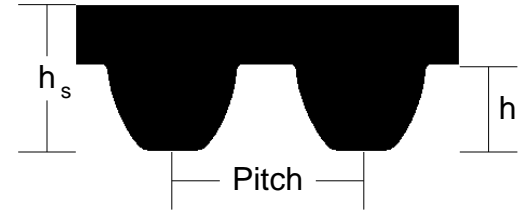


### Standard Construction Features

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)              |
|-------------------------|-----------|-------------------------|
| 720.00 +0.600<br>-0.600 | 90        | 12.000 +0.610<br>-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) |
|-------------------------|-------|-----------|-----------|--------------------|--------------------|-------------------|-------------|
| 208.00 +0.300<br>+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

Created 23 Jun 2017 by Gates

Created for  
**Poly Chain GT Carbon - 8MGT**

Gates Product Number  
**9274-0090**

Customer Part Number  
**8MGT-720-12**