19 POLY CHAIN GT CARBON 5MGT

POLYURETHANE SYNCHRONOUS BELT WITH OPTIMISED CURVILINEAR GT TOOTH PROFILE

Gates Poly Chain GT Carbon 5MGT uses the original construction which is designed for optimum performance on high torque, low speed drives. Poly Chain GT Carbon 5MGT belts are ideally suited for use in machine tool, roller chain, small conveyors and compact drives where space is a problem. 5MGT Poly Chain GT belts are now available in Gates Carbon construction. This new construction provides the highest capacity and accuracy combination possible in a compact drive.

CONSTRUCTION

- Durable high temperature **polyurethane construction** resists chemicals, oil, pollutants and abrasion.
- Gates patented **curvilinear tooth profile** provides high shear strength and improved load carrying capacity.
- **Nylon tooth facing** reduces friction and eliminates the need for lubrication.
- Robust **carbon tensile cord** combines minimal stretch with extraordinary strength while absorbing shock and surge loads.
- Standard widths of 9, 15, 25mm.
  Other widths available on request.

BENEFITS

- Poly Chain performance on compact drives.
- High efficiency and accuracy positive drive.
- Maintenance free.
- Cut maintenance and downtime.
- Carbon cords easily handle shock loads.
- No lubrication required.
- Inert to most acids, chemicals and water.
- No need for constant re-tensioning.
- Temperature Range: -54 °C to +85 °C.
- Compatible with PowerGrip GT 5MR sprockets.

ORDERING CODE

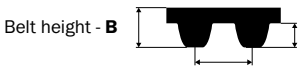
5MGTC-425-15
5MGT - Pitch 5mm
C - Carbon tensile member
425 - Pitch length (mm)
15 - Belt width (mm)
NOTE: For correct design and tensioning of the belt please use Gates Design Power software, available on **www.gates.com**

Identification
Durable white marking indicating the belt type and belt dimensions.

PLEASE REFER TO P. 161 FOR SIZE LIST.

SECTIONS AND NOMINAL DIMENSIONS

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
5MGT	5.0	1.93	3.81	300 – 815



For Poly Chain GT 5MGT sprocket range refer to p. 50.