

PRODUCT NEWS



Effective January 08

12/2007



NOTHING TOUGHER: Polyurethane Synchronous Belt with Patented Carbon Tensile Cords - **Poly Chain® GT Carbon™**



POLY CHAIN® GT CARBON™ Belt

Poly Chain® GT Carbon™ is Gates new polyurethane synchronous belt with patented carbon tensile cord design suited for high torque, low speed drives. Gates materials development engineers are the first to have incorporated a high fatigue-resisting carbon fibre tensile cord into the belt which is made of a new polyurethane compound. Consequently the **Poly Chain® GT Carbon™** is the most powerful synchronous belt in the market providing a maintenance-free, energy saving and environmentally friendly operation. **Carbon tensile cord provides dramatic increase in power rating.**

UNIQUE CONSTRUCTION ADVANTAGES

Carbon tensile member	Shock load resistance	❖ Longer belt life
	Elongation resistance (elastic)	❖ Tooth jump resistance, meshing
	Elongation resistance (non elastic)	❖ No retensioning
Tensile + tooth + jacket	High power capacity	❖ Width reduction → Less space required ❖ Less weight ❖ Less inertia
	Improved fatigue resistance	❖ Smaller pulleys → Less space required ❖ Less weight ❖ Less inertia
		❖ Use of back idlers possible
System = metal + polyurethane	No lubrication	❖ Savings in time and money ❖ Environmentally friendly
Material	Non sensitive to moisture	❖ No elongation = no retensioning



A Tomlinson Company

POLY CHAIN® GT CARBON™ BELT

TECHNOLOGY DRIVES

PRODUCTIVITY SOLUTIONS

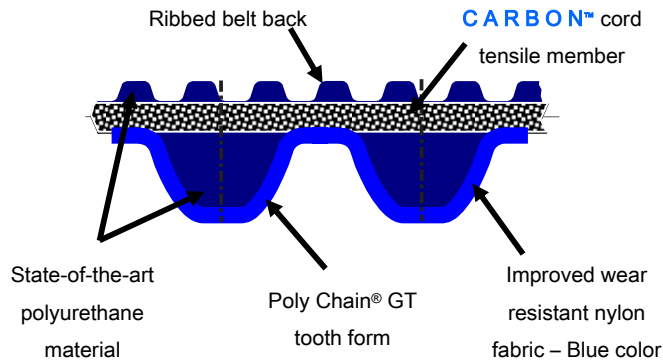


Lightweight • Clean • Maintenance free • Environmentally friendly • Energy and cost saving

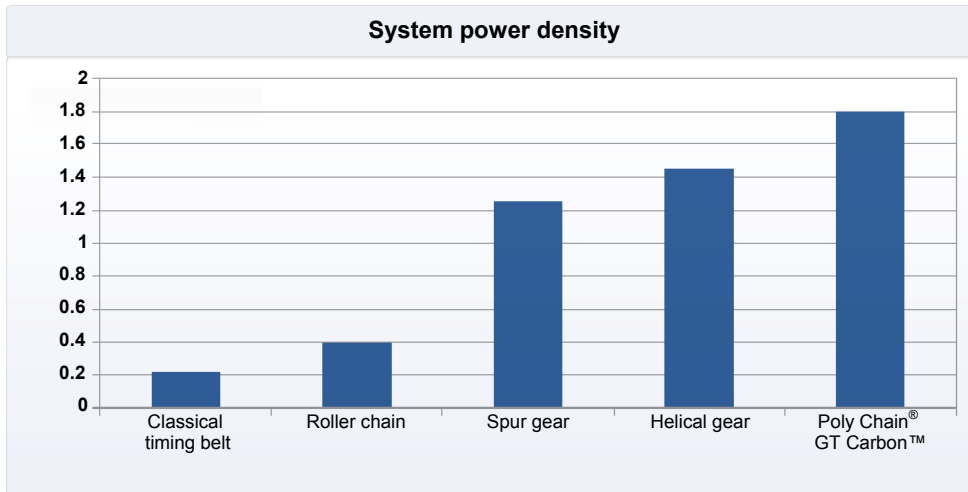
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BELT CONSTRUCTION



OUTPERFORMING ANY OTHER DRIVE SYSTEM...



TOOLS & PROMOTIONAL MATERIAL

- ❖ Available on www.gates-online.com from January 08 on
- ❖ Poly Chain® GT Carbon™ Mini-site on Internet
- ❖ Gates Industrial Belt Catalog & Leaflet in various languages
- ❖ Included in the new calculation program DesignPro®