



- › MAINTENANCE FREE
- › NO STRETCH
- › NO LUBRICATION
- › 5% ENERGY SAVINGS



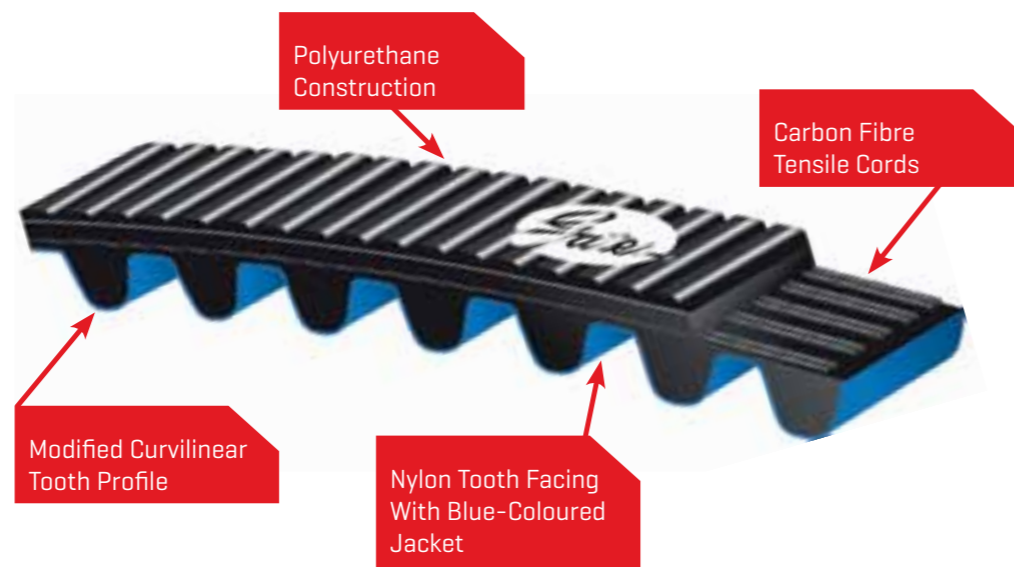
POLY CHAIN® GT® CARBON™

BELT DRIVE SYSTEMS

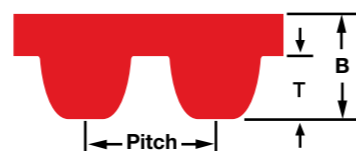


POLY CHAIN® GT® CARBON™ – OUT WITH THE MESS, DOWNTIME AND EXPENSE

- > 400% greater capacity than HTD belts
- > 5% energy savings over V-belts
- > 99% efficiency for life of the drive
- > Cut maintenance & downtime
- > Reduce weight and overhung loads
- > Over 120,000 possible drive combinations
- > Inert to most acids, chemicals and water



	Pitch mm	T (mm)	B (mm)
8MGT	8.0	3.4	5.9
14MGT	14.0	6.0	10.2



"This is how we've always done it" won't cut it anymore. Someone to lubricate that old roller chain, someone else to clean up the grease on the floor, another person shutting down drives to retension...

EXTREME VERSATILITY

Trying to reduce your energy bill? Experiencing downtime to re-tension & lubricate your roller chain? High moisture, oil or chemicals causing you problems?

Poly Chain® GT® Carbon™ synchronous belts are the solution



...it doesn't have to be like this.



- > Width-for-width roller chain conversions
- > No stretch, no lubrication, no re-tensioning
- > Outlasts roller chain up to 4 to 1
- > Outlasts roller chain sprockets 10 to 1
- > Inside & backside idlers can be used



DESIGN SOLUTIONS AT YOUR FINGERTIPS

Designing a new drive? Converting an existing drive? Need tensioning data for your drive? It's easy with Gates DesignFlex® Pro™ software. Simply enter the data — kW, RPM, service factor, centre distance, driveR/driveN pulley diameters — and DesignFlex® Pro™ will calculate your Poly Chain® GT® Carbon™ belt and standard sprocket options. Save hours over a manual process. This free tool is available at www.gates.com/designflex. You may also email the Gates Product Application team at gatestech@gates.com.

Unlike rubber synchronous belts the unique construction of Poly Chain® GT® Carbon™ belts allow them to easily cope with wet or washdown applications and environments. Stainless steel sprockets and bushings together with Poly Chain® GT® Carbon™ belts are the ideal wet drive solution.



POWERING PROGRESS®



CASE STUDY: COAL PLANT SLURRY PUMP

END MARKET INDUSTRY

Coal Wash Plant

APPLICATION

Weir Warman Medium Density Slurry Pump
280kW @ 1475rpm

ORIGINAL COMPONENTS

Belts = 8 x SPC3550 V-Belts

DriveR Pulley = 8/SPC315

DriveN Pulley = 8/SPC800

Total drive width = 213mm

Total weight of belt drive 200kg*

*Taper bush weight not included

SOLUTION COMPONENTS

Belt = 14MGT-3136-90 Poly Chain® GT® Carbon™

DriveR Sprocket = 56 Tooth

DriveN Sprocket = 140 Tooth

Total drive width = 107mm

Total weight of new belt drive 83kg*



PROBLEM

The original drive required 4 to 6 maintenance inspections per year to check belt tensions and replace worn components. The high number of drives on site meant that some were overlooked.

Unchecked drives lead to unscheduled maintenance and downtime costs.

BENEFITS OF GATES SOLUTION

The Poly Chain® GT® Carbon™ belt drive ran for 24 months with 5% less power consumption and no required maintenance or downtime, the result an annual saving of \$2000. This site has 50 Warman pump drives, the overall annual savings potential is very significant.

OUR GUARANTEE

If, for any reason, the Poly Chain® GT® Carbon™ belt drive system does not meet your expectations during the first 90 days, just return all components to your Gates distributor for a full refund."

"To qualify for the 90 day risk free guarantee, the belt drive system must use a new Poly Chain® GT® Carbon™ belt, Gates Poly Chain® GT® sprockets and bushings. The drive must be designed using Gates design software and installed in partnership with Gates.



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