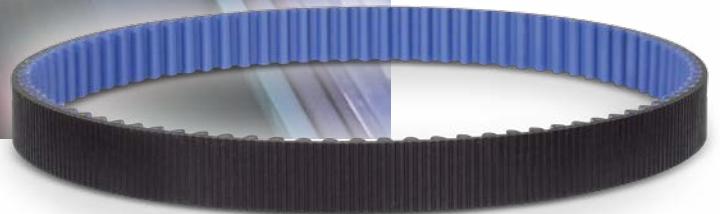


**QT Power
Chain® II
Carbon
Belt Drive
System
Outperforms
Roller Chain**



 **TB Wood's®**
Incorporated

An Altra Industrial Motion Company



TB Wood's QT Power Chain II Carbon belt drive systems are designed for use in a variety of industries including:

- Lumber
- Pulp & Paper
- Packaging
- Food Processing
- Bottling
- Aluminum & Steel
- Petrochemical
- Sand, Gravel & Concrete
- Glass

These high performance drive systems are specifically designed for tough applications such as:

- Belt Conveyors
- De-barkers
- Dough Mixers
- Scrap Cutters
- Compressors
- Bucket Conveyors
- Grinders
- Carton Sealers
- Dryers
- Screw Conveyors
- Pumps
- Palletizers

QT POWER CHAIN® II CARBON BELT DRIVE SYSTEMS OUTPERFORM AND OUTLAST STANDARD ROLLER CHAIN – AT A LOWER OVERALL COST.

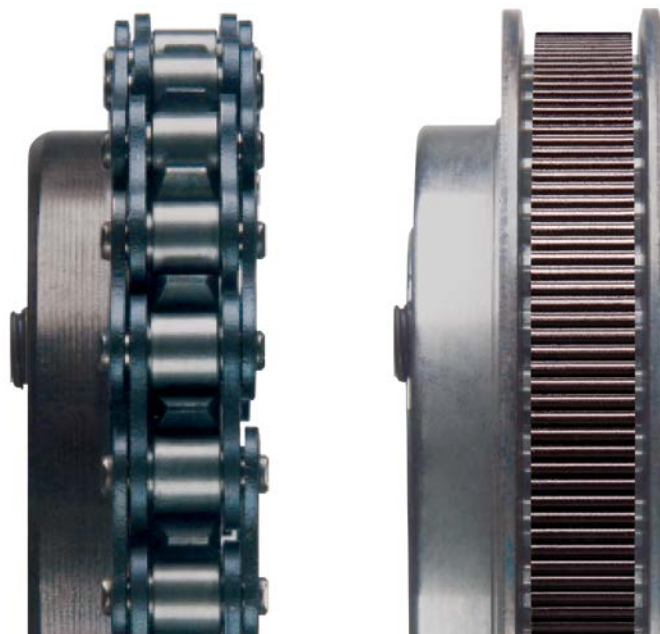
TB Wood's QT Power Chain II Carbon synchronous belt drive system is the optimal choice for high performance and life cycle value in a wide variety of high-torque drive applications. When compared to standard roller chain, this powerful belt drive system provides important performance advantages and significantly reduces overall costs for end-users.

The Costs of Roller Chain Add Up Fast:

- Lubrication system equipment and maintenance
- Lubricant cost and disposal
- Lubrication contamination of product
- Frequent retensioning of "stretched" chain
- Expensive drive enclosures/noise guards
- Broken chain replacement
- Worn sprocket replacement
- Regular maintenance downtime
- Safety issues
- Extensive cleaning required during/ after maintenance

QT Power Chain II Carbon Advantages Over Roller Chain:

- Belts outlast roller chain 3-to-1
- Sprockets outlast roller chain sprockets 10-to-1 or more
- Maintenance free system
- Minimal or no downtime
- No lubrication
- No expensive oil baths
- No retensioning
- Accurate and precise – no chain slop
- Quieter operation
- Minimal vibration due to chordal action
- Resistant to chemical and contaminants
- Excellent shock load resistance



Power Ratings

This is the optimal choice in meeting your needs for low-speed (below 500 RPM), high-torque drive applications. The QT Power Chain II Carbon belt drive system will transmit positive power over a wide range of loads, while withstanding power surges and shock loading.

Many QT Power Chain II Carbon belt drive systems have equivalent capacity to roller chain drives in the same width.



Tooth construction delivers high horsepower, exceptional tooth shear strength, reduced friction and eliminates the need for lubrication.

Carbon-fiber tensile cords provide extraordinary load carrying capability, incredible strength and virtually zero elongation.

Tough polyurethane compound resists oils, chemicals, pollutants and abrasion.

Tough Enough To Outlast Standard Roller Chain 3-To-1.

The body and teeth of QT Power Chain II Carbon belts are made of a durable polyurethane compound, specially blended for uncompromising adhesion to the tensile cords, plus the teeth are reinforced with a heavy wear-resistant nylon facing. This allows for exceptional tooth shear strength and excellent flex life. The belt gets its muscle from carbon-fiber tensile cords. It performs flawlessly under the harshest operating conditions, virtually immune to abrasion and chemical attack. The cords provide high impact strength to handle shock and surge loading. And with no metal-to-metal contact between belt and sprockets, sprocket life increases over roller chain sprockets by an even higher ratio – 10-to-1 more.

Replaces Roller Chain – Virtually Size For Size.

QT Power Chain II Carbon belts and sprockets have increased power ratings (on average of 33%, with maximum of 46% higher) than QT Power Chain II. This allows drive systems to be designed in widths narrower and more compact than ever before. Many QT Power Chain II sprocket hub sizes are identical to standard roller chain sprockets. With over 51,500 drive combinations to choose from, you can take advantage of QT Power Chain II Carbon benefits by replacing roller chain drives, particularly in, but not limited to, roller chain sizes from #35 through #120.

GET THE MOST FROM YOUR DRIVE SYSTEM WITH TB WOOD'S SPROCKETS AND BUSHINGS

QT Power Chain II sprockets utilize the Taper-Lock bushing system. This keeps the hubs narrow so the sprockets will fit on applications with short shafts. In addition, the left-justified hub design allows shaft mounting close to outboard bearings. This keeps the center of load dimension small, so overhung load values are as low as possible.



Belted Drives and Sheaves

TB Wood's

Belted Drives
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc
Erie, PA - USA
1-814-480-5000
Gear Couplings
San Marcos, TX - USA
1-800-458-0887

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings
Green Bay, WI - USA
1-920-593-2444

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches
Dewsbury, England
+44 (0) 1924 460801
Boksburg, South Africa
+27(0) 11 918 4270

Guardian Couplings

Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings
Michigan City, IN - USA
1-219-874-5248

Huco Dynatork

Precision Couplings and Air Motors
Hertford, England
+44 (0) 1992 501900
Chambersburg, PA - USA
1-888-829-6637

Couplings Cont.

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards
Cotia, SP - Brasil
+55 (11) 4615-6300

TB Wood's

Elastomeric Couplings
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7
General Purpose Disc Couplings
San Marcos, TX - USA
1-888-449-9439

Electromagnetic Clutches and Brakes

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes
New Hartford, CT - USA
1-800-800-6445

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes
Brechtin, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Warner Electric

Electromagnetic Clutches and Brakes
New Hartford, CT - USA
1-800-825-6544
For application assistance:
1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes

Columbia City, IN - USA
1-260-244-6183

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies
Syracuse, NY - USA
1-315-432-0700

Gearing

Bauer Gear Motor

Geared Motors
Esslingen, Germany
+49 (711) 3518-0
Somerset, NJ - USA
1-732-469-8770

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components
Charlotte, NC - USA
1-800-825-6544
For application assistance:
1-800-816-5608

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers
Niagara Falls, NY - USA
1-716-298-4100

Heavy Duty Clutches and Brakes

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes
Waukesha, WI - USA
1-262-547-3357

Svendborg Brakes

Industrial Brakes and Brake Systems
Vejstrup, Denmark
+45 63 255 255

Twiflex Limited

Caliper Brakes and Thrusters
Wichita Falls, TX - USA
1-844-723-3483
Twickenham, England
+44 (0) 20 8894 1161

Heavy Duty Clutches and Brakes Cont.

Wichita Clutch

Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
1-800-964-3262
Bedford, England
+44 (0) 1234 350311

Linear Products

Warner Linear

Linear Actuators
Belvidere, IL - USA
1-800-825-6544
For application assistance:
1-800-825-9050
Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks
Warren, MI - USA
1-800-348-0881 – Press #1
For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops
South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks
Heidelberg, Germany
+49 (0) 6221-30470

For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn



www.tbwoods.com

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