

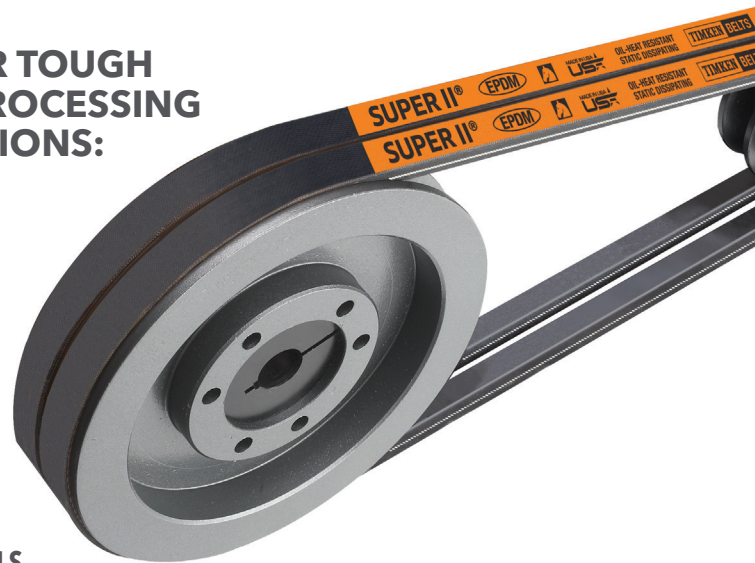
FOREST PRODUCTS MACHINERY

Belts engineered for forest products machinery and equipment



BUILT FOR TOUGH WOOD PROCESSING APPLICATIONS:

- BANDSAWS
- CHIPPERS
- DEBARKERS
- CONVEYORS
- DRY KILNS
- DUST COLLECTORS
- FANS
- FEEDERS
- HAMMERMILLS
- AND MORE!



The Right Belt for the Job®

Bandsaws. Chippers. Debarkers.

For every belt drive application in the forestry industry, there's a fearless Timken® belt eager to perform, e

PANTHER^{XT} Synchronous Belt *A Powerful Alternative to Chain*

- Drive efficiency of 98%
 - Requires no lubrication
 - Less stretch than chain for reduced maintenance
 - Quieter than chain
- High modulus carbon fiber cord construction for minimal stretch and increased durability
 - Fabric is engineered to be low-friction and abrasion-resistant for extended belt life
 - Oil and heat resistant (-40°F/-40°C to +248°F/120°C)
 - Optimized rubber compound combines high elasticity and hardness for improved performance in harsh environments
 - Rubber construction and special fabric design reduce noise when compared to chain or polyurethane belt construction
 - Panther® XT belts are engineered to achieve higher power ratings than conventional rubber synchronous belts



Applications:

- Conveyors
- Dust Collectors
- Feeders
- Dry Kilns
- Fans
- & More!

Aramax® Super Power-Wedge® Band *Extraordinary Strength on Tough Drives*

- Super strong aramid cord construction
 - Engineered to withstand heavy shock loads
 - Tie-band minimizes belt whip and turnover
 - Excels in harsh applications
- Aramid cord provides high horsepower capability and maximum protection against shock loads
 - Highly engineered tie-band construction
 - Permanently bonds multiple belts together enabling belts to function as a single unit
 - Distributes load and wear evenly for longer belt life
 - Dampens vibration and absorbs shock loads
 - Minimizes belt whip and turnover
 - Super high performance banded belt excels in forestry and harsh industrial applications
 - Meets ARPM standards for oil and heat resistance



Applications:

- Hammermills
- Chippers
- & More!

Super Blue Ribbon® Band *Ideal for classical drives with shock loads*

- Banded version of Super Blue Ribbon v-belt
- Provides cross-wise rigidity for multiple belt drives
- Minimizes belt whip and rollover
- Available in a wide range of sizes



Applications:

- Saws
- Heavy vibration applications
- Pumps & More!

Aramax® Xtra Duty V-Belt *Designed for aggressive applications*

- Super strong aramid cord construction
- Engineered for superior shock resistance
- Designed for long life and resistance to rollover
- Smooth clutching cover



Applications:

- Chippers
- Various Outdoor Power Equipment
- & More!

Conveyors. Dust Collectors. Fans. Hammermills.

The Belt Experts

ven in the **harshest environments and most demanding conditions.**

Super II® V-Belt

The Problem Solver!

- **Unique construction meets the toughest applications head-on**
- **Central neutral axis (CNA) cord placement maintains stability in drive**
- **Fiber loaded EPDM* rubber compounds resist heat**
- **Proven more energy efficient than wrapped v-belts**
- The Super II v-belt solves the constant and costly problem of replacing or retensioning ordinary wrapped v-belts on troublesome drives
- Unique CNA cord placement positions the strength of the belt lower in the pulleys to maintain stability and reduce rollover
- Durable EPDM rubber compound is static conductive, resistant to hardening and glazing, and operates in broader temperature ranges (-50°F to +250°F).
- Engineered fabric plies relieve stress on cord for greater flexibility and belt life
- High-modulus polyester cord withstands extreme shock loads without stretching
- Energy efficient raw edge side walls minimize belt slip, noise and drive vibration
- Testing proves that Super II belts offer greater strength, longer life, better heat dissipation and higher efficiencies than best-in-class wrapped v-belts



Applications:

- **Debarkers**
- **Conveyors**
- **Dust Collectors & Fans**
- **Bandsaws**
- **Dry Kilns**
- **Feeders & More!**

*Ethylene propylene diene monomer is a synthetic rubber with outstanding properties.

Chipper Drive Wedge-Band®

Built for tough wood processing applications!

- **Features extra large diameter treated polycord to withstand shock loads**
- **Stiff-flex and graphite loaded compounds for a smooth-running belt**
- **Engineered tie-band construction for even load distribution and wear, minimizes belt whip and turnover**



Applications:

- **Chipper saws**
- **Debarker drives**
- **Head rigs**
- **& More!**

Since 1905

- USA manufacturer since 1905
- Global tier one supplier to industrial distribution and OEMs
- ISO 9001:2015 multi-site certified
- Innovative product development
- Dedicated to customer satisfaction
- Focus on quality, performance, service, durability and support

Committed to Customer Satisfaction

- Premium performance belts engineered and built to rigid specifications
- Manufactured using Timken Quality Management Systems
- Engineering support, technical problem solving and drive design
- Long-term durability and performance
- Energy saving products and tools
- State-of-the-art technology, materials and construction
- Innovative solutions and service from an experienced sales force



Maximize Your Drive Performance with these Tools from Timken Belts

Drive Engineer® Mobile Web Application

The Drive Engineer® web app from Timken Belts delivers robust belt drive design and analysis to your desktop or any mobile device!

- Comprehensive belt, pulley and drive details
- Easy to save and share results
- PowerMiser™ energy savings calculator
- Documentation and resources

Drive Engineer analysis software helps end users increase drive efficiency, drive life and their overall knowledge of industrial belt drives.

Visit www.driveengineer.com. On desktop, save to "Favorites," on mobile applications, "Add to Home Screen."

Note: Drive Engineer is a free web application and is not available from the App store.



Industrial V-Belt Drives Service Manual

Proper belt tensioning and alignment are important for energy efficiency and drive life. Consult the "Industrial V-Belt Drives Service Manual" by Timken Belts for helpful tips on proper installation and maintenance of belt drives. Download the pdf by scanning this QR code or visit:

www.timkenbelts.com/servicemanual.



Tension-Finder® V-Belt Tensioning Device

Eliminate your tensioning headaches with the "Tension-Finder" tool – a simple, easy and accurate method for tensioning individual v-belts or bands.

- No measurements
- No math
- No computers
- No o-rings

Part number: 108039-A

NOTE: Not for use on belts with aramid, glass or carbon fiber cords.

Spring-Loaded Tensiometer

The force required to deflect a span length by a given amount is related to the tension in the belt. The tensiometer measures that force and deflection. It can be used on v-belts, banded belts or synchronous belts.

Single stem part number: 102761

Double stem part number: 105575

Triple stem part number: 105576

Frequency-Finder™ Tool

The Frequency-Finder™ tool works on the principle of forced vibration. The frequency of vibration is related to the tension of the belt, i.e. the higher the frequency reading, the greater the belt tension.

- Measures the natural frequency of vibration in the belt span
- Simple, fast, repeatable and reliable
- Can be used on any type of belt

Part number: 109061



TIMKEN BELTS

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

Performance Driven. **Performance Proven.**

www.timkenbelts.com