



V-Belt Drive Solutions for Forestry and Wood Products Applications





TB WOOD'S BELTED DRIVES PROVIDE SUPERIOR PERFORMANCE IN THE FORESTRY AND WOOD PRODUCTS MARKETS

Industry-leading TB Wood's sheaves and belts have become a preferred choice for many forestry and wood products OEMs and end users. Rugged, made-to-order sheaves and premium belts from TB Wood's are designed to provide long service life in a variety of tough applications including chippers, band saws and pellet mills.

TB Wood's has been pouring quality iron since 1857 with a maximum sheave capacity of 107-inch diameter. Experienced application engineers provide optimum designs to meet specific application requirements. Our integrated foundry and machining center allows us to provide fast response time for made-to-order products. Superior quality iron provides longer sheave life, resulting in less frequent replacement. Less maintenance & downtime equals lower total cost of ownership.



Experience the TB Wood's Difference...

Service

- Full line of QD sheaves, bushings, and belts
- Made-to-order solutions designed daily
- Integrated foundry and machine shop for quick turnaround
- Industry-leading delivery... because you can't afford to wait!

Engineering Support

- Best-in-class online selection tool
- Application support from experienced professionals (over 125 years combined)
- The right drive for the application... "The first time, everytime!"

Responsiveness

- Unmatched customer service experience & product knowledge
- Timely responses to phone and email inquiries
- The Right Answers – Right Now!



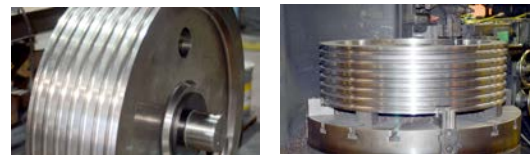
Large selection of standard size sheaves available for all sizes and types of chippers

All standard TB Wood's narrow and classical V-belt sheaves are designed to ensure that they are capable of delivering the dependable performance in smaller HP chipper and larger mill applications.

All models are available with convenient Sure-Grip™ QD type bushings.

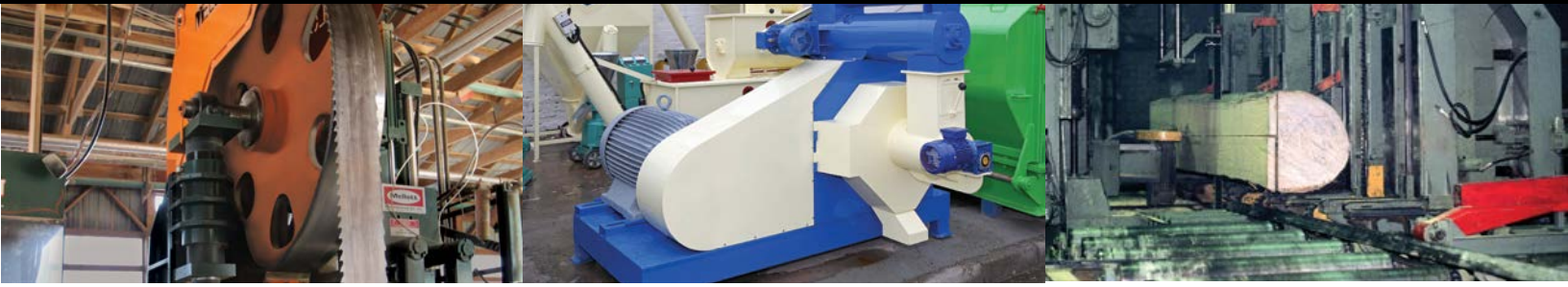
Thousands of SKUs on the shelf and ready to ship when disasters strike

We're set up to meet the often rapidly changing demands of our chipper OEM customers. We understand that orders can quickly change when disasters hit such as hurricanes.



Made-to-Order (MTO) capabilities

- MTOs quoted within 24 hours and delivered in 3-4 weeks
- Special diameters to achieve optimum speeds
- High-grade cast iron or ductile iron for high speeds
- Private-branded sheaves with OEM brands/part numbers
- Special hubs, grooves and diameters
- Flywheels
- "Fastrac" delivery available for breakdown situations



APPLICATION CASE STUDIES

Chippers/Grinders



Situation

A major manufacturer of commercial wood chippers had experienced the complete failure of an imported belted drive installed as a replacement on a chipper from a product line that it recently acquired.

Solution

- Engineering analysis of failed competitor belted drive
- Recommendation for more robust TB Wood's solution:
Paired 12-groove ductile iron sheaves with expanded capacity 8VP belts



Situation

A large chipper and grinder OEM was having service issues with their current belted drive supplier.

Solution

- Customer visit to foundry and machine shop
- Superior levels of customer service and engineering (design) support
- RFQ package consisted of special MTO 5V groove sheaves, ranging in size from 11.8" dia. to 40" dia. Sheaves varied in width from 10 to 20 grooves.



Situation

A leading brush chipper manufacturer required reliable sheaves for use on several of their smaller HP models.

Solution

- Pairs of mated, 3V groove Ultra-V sheaves in various diameters were supplied to meet the requirements of the different HP chipper models
- Fine grain, high tensile cast iron construction for long service life under harsh conditions
- Sure-Grip bushings were supplied for the proper shaft diameters

Pellet Mills

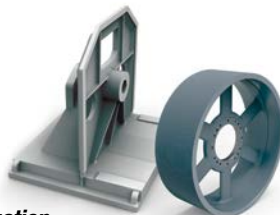


Situation

A leading manufacturer of pelletizing equipment, located in the Western U.S., was looking for particular custom-sized sheaves for use on its larger belt-driven pellet mills.

Solution

- OEM contacted TB Wood's based on their reputation as the "Large Sheave Experts"
- Made-To-Order (MTO) 42 in. dia. and mated 9.4 in. dia., 14-groove gray iron sheaves



Situation

A major global manufacturer of biomass machinery and process plants, needed a more reliable foundry for base castings used on its wood pellet mills.

Solution

- Made-To-Order (MTO) 60 in. dia., 30-groove, Class 35 gray iron sheaves
- 5 ft. wide x 6 ft. high, 6,000 lb., Class 30 gray iron base castings
- Re-engineered, economical casting design saved manufacturing and machining costs



Situation

Mellott Manufacturing, a major log and lumber handling OEM needed durable wheels for use on a new industrial bandsaw development featuring a 12 in. wide by 40 ft. long bandsaw blade.

Solution

- Made-to-Order (MTO) 11-1/2 in. wide, 72 in. dia. ductile iron wheels
- Paired, flat-face, dynamically balanced wheels

TB Wood's Facilities

North America

USA

440 North Fifth Avenue
Chambersburg, PA 17201 - USA
888-829-6637 • 717-264-7161

Belted Drives and Elastomeric Couplings

Customer Service

1-888-829-6637

Application Support

1-888-829-6637

2000 Clovis Barker Road
San Marcos, TX 78666 - USA
1-888-449-9439

General Purpose Disc Couplings

Customer Service

1-888-449-9439

4970 Joule St
Reno, NV 89502 - USA
775-857-1800

Canada

12759 149 Street NW
Edmonton, AB T5L 4M9 - Canada
1-800-829-6631

1070 Mid Way Blvd
Units 11-14
Mississauga, ON L5T 1T4 - Canada
1-800-829-6631

1073 Rue Bégin
Saint-Laurent, QC H4R 1V8 - Canada
+1 514-332-4812

Mexico

Comisión Federal de Electricidad 850,
Industrial San Luis,
San Luis, S.L.P., 78395 - Mexico
+52 444 137 1500

Europe

Merchant Drive, Hertford
Hertfordshire SG13 7BL - England
+44(0)1992 501900

Elastomeric Couplings



Scan to see all
the brands of
Regal Rexnord

Neither the accuracy nor completeness of the information contained in this publication is guaranteed by the company and may be subject to change in its sole discretion. The operating and performance characteristics of these products may vary depending on the application, installation, operating conditions and environmental factors. The company's terms and conditions of sale can be viewed at <https://www.tbwoods.com/company/Terms-and-Conditions>. These terms and conditions apply to any person who may buy, acquire or use a product referred to herein, including any person who buys from a licensed distributor of these branded products.

©2023 by TB Wood's LLC. All rights reserved. All trademarks in this publication are the sole and exclusive property of TB Wood's LLC or one of its affiliated companies.