TB Wood’s
Belted Drive Selection Program

BeltDriveSelector.TBWoods.com
The Enhanced Web Based Belted Drive Selector at: www.tbwoods.com

Online Program Features Include:

- Accessible from any device with an internet connection
- User settings are always recalled, regardless of device used for access
- New solutions always use the latest software version, no need to download updates
- Easier retrieval and sharing of prior solutions

Solutions are Easy as 1, 2, 3!

Step 1: Minimal Entries Required

-OR-

Refine Selections by Setting Design Constraints or Limiting Product Types
Step 2: Choose a Selection from the Drive List

- Add a Note with Your Own Text
- Quickly Change your Inputs for New Solutions
- Mark Favorite Solutions for Quick Recall
- Use the Drive Name and Solution ID to Identify a Particular Solution
- Eliminate Solutions Out of Stock at TB Woods
- Easily Sort your Solution Options by any Available Category

Step 3: Review the Details of your Selection

Quick Link to Part in E-catalog

1. Detailed Bill of Material
2. User Requested Inputs for Solution
3. Actual Solution Results of Selected Drive
4. Results Comparison, Solution “Fit”
5. Drive Notes and Installation Information
6. Now with Sonic Tension Recommendations
TB Wood’s Belted Drive Selection Program Provides Peace Of Mind To Users:

The improved program now checks the arm/web strength of a sheave/sprocket along with the bushing torque rating for suitability of the application. The program will automatically drop bushing solutions with torque ratings that are obviously inappropriate. The program will also notify the user to “Evaluate Peak Torque Applied to Bushing” to verify acceptability of the application for bushing solutions that are marginal. Similarly, the program will also check the sheave/sprocket arm/web strength to determine if the selected components are acceptable, and will automatically drop all inappropriate solutions.

TB Wood’s is the only manufacturer that currently offers an online selection tool that checks for both criteria. The new features provide peace of mind to users as it helps to prevent the design of drives where the metal components are not properly sized. This issue has become increasingly important as belt manufacturers frequently increase belt capacity, but new metal products are not being designed to accommodate those larger torque requirements.

MTO Drive Selection:

Talk to your local Altra representative about access to TB Wood’s Made-To-Order selection module!

Show closest solution to MTO drive in stock parts

Special notes on MTO design requirements

MTO modules available for fixed pitch V-belts and synchronous drives. Also consider entering an existing drive to evaluate specifications or to make minor modifications.
Enhanced Products Available:

Create selections in state-of-the-art Premium V-belts with aramid fibers and QT Power Chain II Carbon synchronous belts with carbon-fiber tensile cords.

**QT Power Chain II Carbon System**

- Roller Chain
- QTPC II Carbon

**Premium Belt Drive System**

- Standard Drive
- Premium Drive

**Advantages of QTPC II Carbon:**
- Longer drive life
- Very high efficiency
- Less noise
- Increased torque ratings
- Narrower profiles
- No lubrication required

**Advantages of Premium System:**
- Use narrower sheaves
- Lighter weight components
- Lower bearing loads
- Less maintenance required
- Increased power capacity
- Better resistance to shock loads

**Adjust Belt Functionality:**

Sometimes it is useful to examine what would happen if changes were made to a specific drive. This can be accomplished using TB Wood’s “Adjust Belt” function when viewing a solution’s details.
Adjustable Pitch Drive Selection:

Selections are available for adjustable pitch V-belt drives. TB Woods’ makes adjustable pitches sheaves for drives up to 500 horsepower at 1750 RPM.

Program automatically selects the most appropriate adjustable pitch products.

Extensive listing of criteria to better define problem when using the “Refine Selection” option.

Switch between multiple speed re-calculation.

Turns to open adjustable pitch sheave to obtain set speed.

Functionality exclusive to TB Wood’s: Re-calculate your adjustable pitch solution at any intermediate speed. Choose speed by RPM or turns of adjustment.
Simple Recall of Previously Generated Solutions

- Use the “Favorites” Dialog to Recall Previously Selected Drives
- Easily Choose Start and End Date
- Use Powerful Search Criteria

Click the ID Number to Recall the Solution

Advanced Options Allow Users to Choose Display and Calculation Settings

Extensive Assistance for Selection of Service Factors

Other Standard Options:

- Advanced Options
- Other Standard Options:
The Brands of Altra Industrial Motion

Couplings
- Ameridrives
  www.ameridrives.com
- Bibby Turboflex
  www.bibbyturboflex.com
- Guardian Couplings
  www.guardiancouplings.com
- Huco
  www.huco.com
- Lami/flex Couplings
  www.lamiflexcouplings.com
- Stromag
  www.stromag.com
- TB Wood’s
  www.tbwoods.com
- Geared Cam Limit Switches
  Stromag
  www.stromag.com

Electric Clutches & Brakes
- Inertia Dynamics
  www.idicb.com
- Matrix
  www.matrix-international.com
- Stromag
  www.stromag.com
- Warner Electric
  www.warnerelectric.com

Linear Products
- Warner Linear
  www.warnerlinear.com

Engineered Bearing Assemblies
- Kilian
  www.kilianbearings.com

Heavy Duty Clutches & Brakes
- Industrial Clutch
  www.indclutch.com
- Twiflex
  www.twiflex.com
- Stromag
  www.stromag.com
- Svendborg Brakes
  www.svendborg-brakes.com
- Wichita Clutch
  www.wichitaclutch.com

Belted Drives
- TB Wood’s
  www.tbwoods.com

Gearing
- Bauer Gear Motor
  www.bauergears.com
- Boston Gear
  www.bostongear.com
- Delroyd Worm Gear
  www.delroyd.com
- Nuttall Gear
  www.nuttalgear.com

Overrunning Clutches
- Formsprag Clutch
  www.formsprag.com
- Marland Clutch
  www.marland.com
- Steiber
  www.stieberclutch.com

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 http://www.altramotion.com/terms-and-conditions/sales-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.

©2018 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.