

TB Wood's
Belted Drive
Selection
Program

BeltDriveSelector.TBWoods.com



The Enhanced Web Based Belted Drive Selector at:

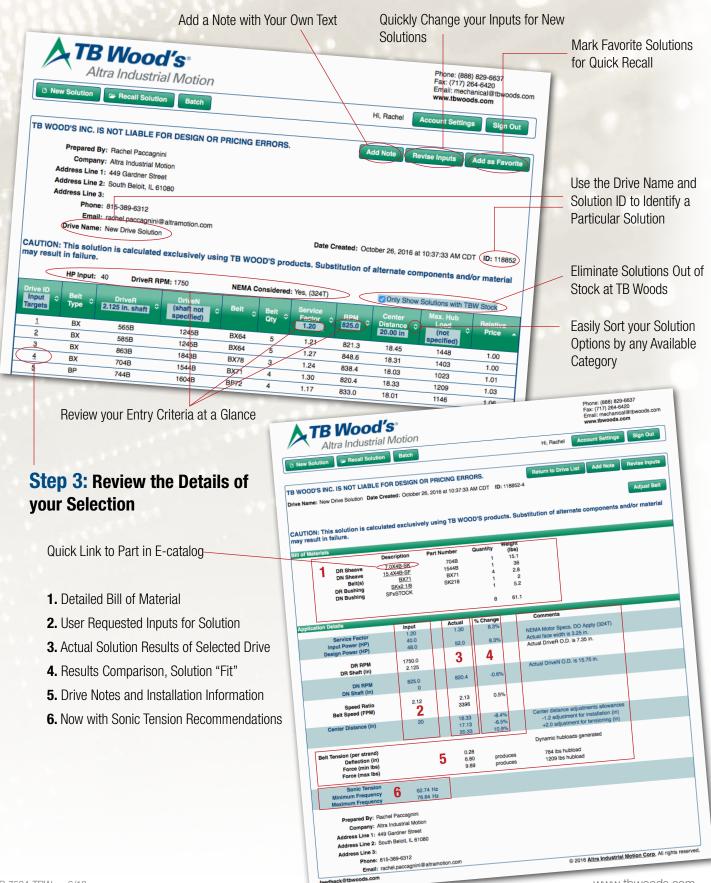
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Online Program Features Include:

- 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



Step 2: Choose a Selection from the Drive List



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.

TB Wood's Altra Industrial Motion TB WOOD'S INC. IS NOT LIABLE FOR DESIGN OR PRICING ERRORS. ed: November 2, 2016 at 9:29:49 AM CDT CAUTION: This solution is calculated exclusively using TB WOOD'S products. Substitution in failure. Part Number Weigh: (lbs) ocket 8MPC-34S-62-1610 ocket 8MPC-56S-62-2517 8MPC34S62 8MPC56S62 2.3 8.2 0.9 0.5 IPCC128062 TL1610158 TL2517218 C-1280-62 TL1610x1 5/8 TL2517x2 1/8 13.9 Actual % Change Actual DriveN pitch is 5.61 in 1.2%

MTO Drive Selection:

Nearest stock equivalent MTO description TB WOOD'S INC. IS NOT LIABLE FOR DESIGN OR PRICING 56 AM CDT CAUTION: This may result in failure Part Num Order matched length belts. Or consider a sin 5/5VP1250 banded belt instead. 58.2 5V1505 117.6 eR 5VP15.00X5 5V15.0X5 eN 5VP22.69X5 5V23.6X5 8.5 5V23.6X5-F 5VP1320 Includes bushing(s) if required 5VP1320 5VP1250 veR Bore: 3.5 in ax DriveN Bore: 3.9375 in Input NEMA Motor Specs. NOT Consider 1.30 ted face width is 3.75 in 250.0 H Actual DriveR OD is 15.00 in. 1180.0 Input RPM 15 15 in 0.0% Actual DriveN OD is 22.69 in 780.0 out RPM 1250 Center distance adjustn 32.67 32 in

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

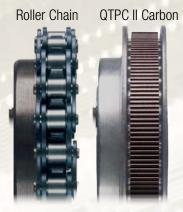
MTO modules available for fixed pitch V-belts and synchronous drives. Also consider entering an existing drive to evaluate specifications or to make minor modifications.

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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.

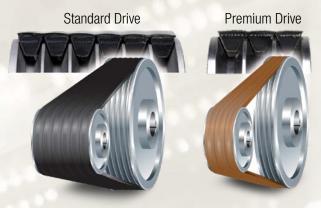
QT Power Chain II Carbon System



Advantages of QTPC II Carbon:

- · Longer drive life
- Very high efficiency
- Less noise
- Increased torque ratings
- Narrower profiles
- · No lubrication required

Premium Belt Drive System



Advantages of Premium System:

- Use narrower sheaves
- Lighter weight components
- Lower bearing loads
- · Less maintenance required
- Increased power capacity
- Better resistance to shock loads

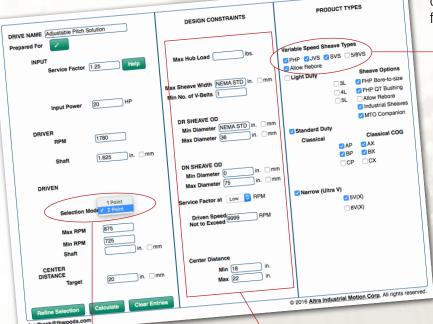
Adjust Belt Functionality:

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.



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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



Choose standard (1 Point) Selection Mode OR choose 2 Point Selection to ensure all aspects of solution are valid over a range of speeds Extensive listing of criteria to better define problem when using the "Refine Selection" option

Switch between multiple speed re-calculations



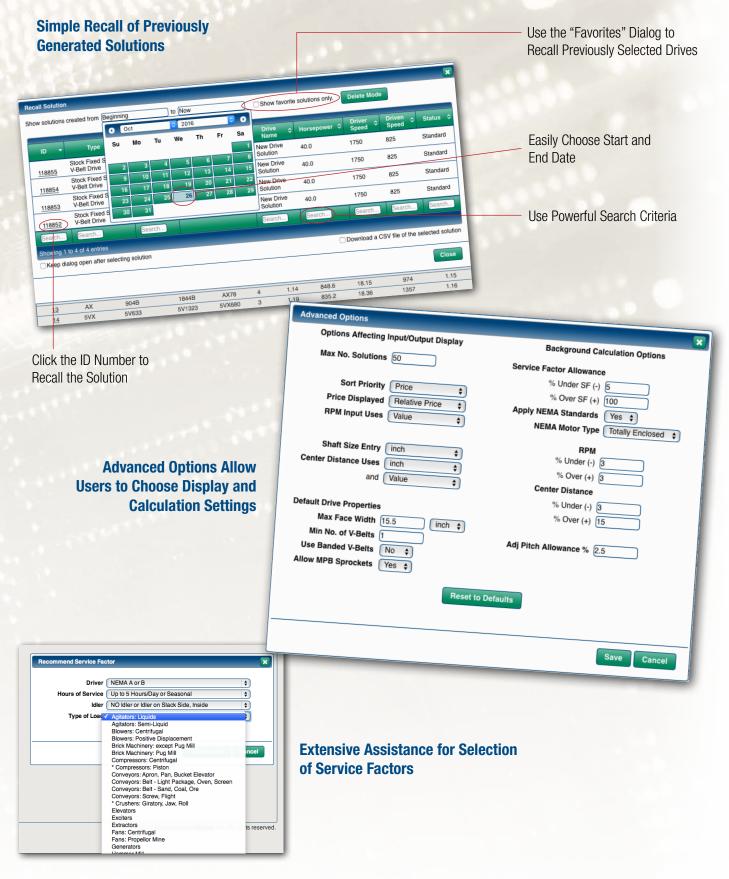
TB WOOD'S INC. IS NOT LIABLE FOR DESIGN OR PRICING ERRORS. Drive Name: Adjustable Pitch Solution Date Created: October 26, 2016 at 10:53:31 AM CDT ID: 118858-2 CAUTION: This solution is calculated exclusively using TB WOOD'S products. Substitution of alter may result in failure. 2VP71x1 5/8 13.6X2B-SK 2VP71158 BX70 SKxSTOCK BX70 Number of Turns % Change -2.4% NEMA Motor Specs. DO Apply (256T) Overall width dR is 3.25 n.; Face width dN is Actual DriveR O.D. is 710 in.; Pitch is 6.91 in. DR RPM 1780.0 0.5 turns Actual DriveN O.D. -6.1% 10.1% C.D. Rang

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.

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Other Standard Options:



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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 Couplinas

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For Application Support 1-888-829-6637 (Press #7)

2000 Clovis Barker Road San Marcos, TX 78666 - USA 1-888-449-9439 General Purpose Disc Couplings

Customer Service 1-888-449-9439

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

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The Brands of Altra Industrial Motion

Couplings

Ameridrives www.ameridrives.com

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Guardian Couplings www.guardiancouplings.com

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Stromag

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Boston Gear

www.bostongear.com

Delroyd Worm Gear

Nuttall Gear

www.nuttallgear.com

Overrunning Clutches

Formsprag Clutch www.formsprag.com

Marland Clutch

Stieber

www.stieberclutch.com

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