U.S.A.

DRIVE CHANGE
MAXIMIZING YOUR ENERGY

Power Transmission Products
Full Line Catalog

GOODYEAR
ENGINEERED PRODUCTS

Terms & Conditions of Sale

THE INFORMATION HEREIN CONTAINED CONSTITUTES A CONFIRMATION OF CUSTOMER'S ORDER OR A CONFIRMATION OF CHANGE TO CUSTOMER'S ORDER, AS APPLICABLE (COLLECTIVELY "CONFIRMATION") AND WHICH CONFIRMATION IS EFFECTIVE UPON VEYANCE'S DISPATCH OF THIS CONFIRMATION. ANY PRIOR RECEIPT BY CUSTOMER FROM ANY OTHER SOURCE OF ALL OR PART OF THE INFORMATION HEREIN IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A LEGALLY BINDING CONFIRMATION. THIS CONFIRMATION IS EXPRESSLY MADE SUBJECT TO AND IS STRICTLY LIMITED TO THE TERMS AND CONDITIONS OF SALE STATED HEREIN AND ANY INCONSISTENT TERMS OR CONDITIONS APPEARING ON CUSTOMER'S ORDER ARE SPECIFICALLY OBJECTED TO AND DISCLAIMED. IN ANY COMMUNICATION WITH VEYANCE REGARDING THIS ORDER, PLEASE REFER TO VEYANCE'S DOCUMENT OR ORDER CONFIRMATION NUMBER.

(1) This Confirmation and any distributor's agreement, if any, between Customer and Veyance or a Veyance affiliate, together with any specifications, schedules, exhibits, riders, or other writings which may be annexed hereto or provided for hereunder and by reference made a part hereof (collectively, the "Agreement"), sets forth the complete and final agreement between Veyance and Customer in respect of the subject matter hereof, and supersedes all prior understandings, assurances, and Customer's order form, if any. THE AGREEMENT CONTAINS THE ENTIRE UNDERSTANDING BETWEEN CUSTOMER AND VEYANCE AND NO OTHER REPRESENTATION OR INDUCEMENT, ORAL OR WRITTEN, HAS BEEN MADE WHICH IS NOT SET FORTH HEREIN. EXCEPT FOR THE WARRANTIES AND REPRESENTATIONS, IF ANY, SET FORTH IN THE AGREEMENT, NO OTHER STATEMENT, WARRANTY, REPRESENTATION OR INFORMATION, ORAL OR WRITTEN, SHALL BE LEGALLY BINDING UPON VEYANCE OR SHALL BE THE BASIS FOR RELIANCE BY CUSTOMER. CUSTOMER DOES NOT RELY AND IS NOT RELYING UPON ANY ORAL OR WRITTEN STATEMENT, WARRANTY OR REPRESENTATION OF VEYANCE, ITS EMPLOYEES, AGENTS AND/OR REPRESENTATIVES NOT FULLY SET FORTH HEREIN. No amendments or modifications of or supplements to the provisions of this Confirmation will be valid and binding upon Veyance unless such amendment, modification or supplement is mutually agreed to in writing and signed by an officer of Veyance and an authorized representative of Customer. In the event of any direct inconsistency between this Confirmation and the provisions in the other components of the Agreement, on the other side of this document or in any supplement attached hereto, any of which have been executed by a duly authorized representative of Veyance, the provision contained in the Agreement, on the other side of this document or in such supplement shall control.

(2) Product sold hereunder manufactured by Veyance meets agreed specifications according to established tests performed under controlled laboratory conditions and specific test requirements. These tests are not intended to reflect the performance of the product under actual conditions. Performance of the product as a component in a finished product may not necessarily meet the test requirements. Due to the number and variety of applications for which any product sold hereunder may be purchased and because Veyance has no control over (or knowledge of) the conditions under which the product may be used by others, VEYANCE DOES NOT RECOMMEND SPECIFIC APPLICATIONS OR PRODUCT DESIGNS OR ASSUME RESPONSIBILITY FOR USE RESULTS OBTAINED OR SUITABILITY FOR SPECIFIC APPLICATIONS. No statement contained herein shall be construed as a license to operate, or as a recommendation or inducement to infringe existing patents or as an endorsement of products of specific manufacturers or systems.

(3) NO RELIANCE. CUSTOMER ACKNOWLEDGES THE USE OF ITS OWN KNOWLEDGE, SKILL, JUDGMENT, EXPERTISE AND EXPERIENCE IN (i) the selection of the product and/or (ii) in the selection, provision, or designation of any specification or set of specifications for a product agreed upon by Customer and Veyance; and CUSTOMER ACKNOWLEDGES THAT CUSTOMER DOES NOT RELY AND IS NOT RELYING ON ANY ORAL OR WRITTEN STATEMENTS, REPRESENTATIONS, OR SAMPLES MADE OR PRESENTED BY VEYANCE, ITS EMPLOYEES, AGENTS AND/OR REPRESENTATIVES TO CUSTOMER. CUSTOMER ACKNOWLEDGES THAT CUSTOMER DOES NOT RELY AND IS NOT RELYING ON ANY KNOWLEDGE, SKILL, JUDGMENT, EXPERTISE OR EXPERIENCE OF VEYANCE, ITS EMPLOYEES, AGENTS AND/OR REPRESENTATIVES IN CUSTOMER'S SELECTION OF THE PRODUCT OR IN CUSTOMER'S SELECTION, PROVISION OR DESIGNATION OF ANY SPECIFICATION OR SET OF SPECIFICATIONS. Without limiting the foregoing, CUSTOMER ACKNOWLEDGES THAT VEYANCE SHALL NOT BE LIABLE FOR, AND CUSTOMER ASSUMES ALL RISK OF, INACCURATE OR UNSUITABLE SPECIFICATIONS OR INFORMATION PROVIDED, SELECTED OR DESIGNATED BY CUSTOMER.

(4) LIMITATION OF WARRANTY. ALL PRODUCTS AND GOODS NOT MANUFACTURED BY VEYANCE ARE SOLD WITHOUT WARRANTY BY VEYANCE, "AS-IS" AND ARE SUBJECT TO THE LIMITATION OF LIABILITY SET FORTH IN SECTION 5. SUBJECT TO THE LIMITATIONS ON LIABILITY SET FORTH IN SECTION 5 AND UNLESS OTHERWISE EXPRESSLY PROVIDED HEREIN, PRODUCTS AND GOODS SOLD HEREUNDER THAT HAVE BEEN MANUFACTURED BY VEYANCE , UNLESS SOLD WITHOUT WARRANTY "AS IS", ARE WARRANTED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP. SUBJECT TO THE PRECEDING SENTENCE, AND EXCEPT AS OTHERWISE EXPRESSLY PROVIDED IN THE AGREEMENT, VEYANCE MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER WITH RESPECT TO THE PRODUCT OR ANY OTHER PRODUCT SOLD HEREUNDER, WHETHER USED ALONE OR IN COMBINATION WITH ANY OTHER MATERIAL OR PRODUCT OR IN ANY PROCESS. OTHER THAN THOSE SPECIFICALLY SET FORTH HEREIN, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS IN THE AGREEMENT, EITHER EXPRESS OR IMPLIED.

(5) LIMITATION OF LIABILITY OF VEYANCE AND EXCLUSIVE REMEDY. ANY VEYANCE-MANUFACTURED PRODUCT OR GOOD CLAIMED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP SHALL, UPON VEYANCE'S APPROVAL, BE RETURNED TO VEYANCE AS DESIGNATED BY VEYANCE, AT THE CUSTOMER'S EXPENSE. VEYANCE WILL, AS THE EXCLUSIVE REMEDY FOR BREACH OF WARRANTY OR OTHERWISE UNDER THE AGREEMENT, MAKE AN ADJUSTMENT FOR PRODUCT IT FINDS TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP EITHER BY REPAIRING IT OR REPLACING IT AT AN ADJUSTMENT PRICE, OR IN LIEU THEREOF, AT VEYANCE'S SOLE DISCRETION AND OPTION, VEYANCE MAY REFUND THE PURCHASE PRICE UPON RETURN OF THE PRODUCT BY CUSTOMER. WHENEVER THE WARRANTY PROVISION IN AN AGREEMENT FOR A SPECIFIC PRODUCT PROVIDES THAT NO ADJUSTMENT SHALL BE MADE AFTER A SPECIFIED PERIOD OF TIME, VEYANCE SHALL NOT BE RESPONSIBLE UNDER THE TERMS OF SUCH WARRANTY UNLESS CLAIM IS MADE WITHIN THE REQUIRED PERIOD OF TIME. VEYANCE'S TOTAL RESPONSIBILITY AND LIABILITY FOR ANY AND ALL CLAIMS, LOSSES AND DAMAGES OF ANY KIND WHATSOEVER ARISING OUT OF ANY CAUSE WHATSOEVER (WHETHER UNDER ANY WARRANTY OR BASED IN CONTRACT, NEGLIGENCE, OTHER TORT, STRICT LIABILITY, BREACH OF WARRANTY, OTHER THEORY UNDER LAW OR EQUITY OR OTHERWISE) SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCTS IN RESPECT TO WHICH SUCH CAUSE ARISES, AND IN NO EVENT SHALL VEYANCE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES RESULTING FROM ANY SUCH CAUSE. NO EMPLOYEE, AGENT AND/OR REPRESENTATIVE HAS AUTHORITY TO MAKE ANY REPRESENTATION, PROMISE OR AGREEMENT, EXCEPT AS STATED HEREIN. THE PRECEDING SENTENCE SHALL ALSO APPLY TO ANY GOODS OR PRODUCTS SOLD HEREUNDER THAT WERE NOT MANUFACTURED BY VEYANCE. VEYANCE SHALL NOT BE LIABLE FOR, AND CUSTOMER ASSUMES ALL LIABILITY FOR, ALL PERSONAL INJURY AND PROPERTY DAMAGE CONNECTED WITH THE HANDLING, TRANSPORTATION, OR FURTHER MANUFACTURE, FABRICATION, ASSEMBLY, OR PROCESSING OF THE PRODUCT OR ANY OTHER PRODUCT OR GOOD SOLD HEREUNDER.

(6) Prices are subject to change without notice and all such items will be billed at prices in effect at the time of shipment. Customer will be notified of any price increase and may cancel any undelivered portion of the order by written notice to Veyance provided such written notice is received by Veyance not more than 10 days after your receipt of notification of the increase. Upon such cancellation Customer shall have no liability to Veyance for the canceled portion of the order except as to product manufactured or in process, components procured by Veyance from outside sources, and special tooling, equipment or single use raw materials procured for performance of this order.

(7) All prices are subject to increase from time to time to compensate for any tax, excise or levy imposed upon the products sold, or upon the manufacture, sale, transportation, or delivery of them or whenever any tax, excise, levy, law or governmental regulation has the effect, directly or indirectly, of increasing the cost of manufacture, sale or delivery. If any government action or law should have the effect of establishing a maximum price on product to be delivered, Veyance may, at its option and without liability to Customer, terminate its obligation with respect to future shipments upon thirty (30) days written notice. (8) Veyance shall not be liable or deemed in default for failure to deliver or delay in delivery due to any cause beyond its reasonable control. If unable to meet delivery schedules, Veyance will endeavor to allocate material fairly among its Customers, but reserves to itself final determination of the deliveries to be made without liability.

(9) Veyance will indemnify its Customer against all claims and demands for infringement of any United States patent by the product furnished under any accepted order provided the Customer notifies Veyance of any patent infringement and upon request tenders Veyance the defense of the claim. CUSTOMERS WHO FURNISH SPECIFICATIONS TO VEYANCE AGREE TO HOLD VEYANCE HARMLESS AND INDEMNIFY VEYANCE AGAINST ANY CLAIMS WHICH ARISE OUT OF VEYANCE'S COMPLIANCE WITH SUCH CUSTOMER SPECIFICATIONS.

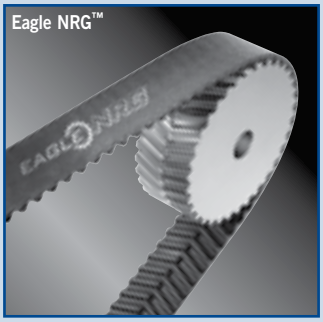
(10) Unless otherwise set forth in the Agreement, all Products sold by Veyance shall be delivered FOB (Veyance's location). Title to the goods shall pass to Customer upon passage of the risk of loss; provided, however, that to the extent permitted by law, until each of the goods delivered hereunder has been paid for in full, Veyance shall retain title to the goods; however, all risk of loss and responsibility for transportation and storage, taxes and duties shall transfer in accordance with the Agreement. Customer hereby agrees that notwithstanding any information shown in this Confirmation regarding any estimated shipment, production or requested date(s) for the goods, Veyance is not obligated to produce, deliver or ship the goods by that estimated shipment, production or requested date(s). Customer hereby agrees that unless Customer notifies Veyance in writing within ninety (90) calendar days of the estimated shipment date as shown on the last dated Confirmation referencing the goods, there shall be a presumption that goods conforming to the goods ordered were received by Customer.

(11) Due to the varying locations of the operations of Customer and Veyance and the locations that may be involved in the performance and documentation of an order to which this Confirmation is applicable, in order to settle upon and to eliminate any doubt as to the rights of the Customer and Veyance, Customer and Veyance agree that this Confirmation and the Agreement shall be governed by and construed in accordance with the laws of the State of Ohio, United States of America, applicable to agreements to be performed in the State of Ohio, except that for sales or orders originating and to be performed in Canada by Canadian subsidiaries or affiliates of Veyance, Customer and Veyance agree that this Confirmation shall be governed by and construed in accordance with the laws of the Province of Ontario, Canada, applicable to agreements to be performed in Canada. Customer and Veyance exclude the application of the United Nations Convention on Contracts for the International Sale of Goods. With regard to any conflict or dispute arising under or related to this Confirmation or the Agreement, Customer hereby submits to the jurisdiction of the state and federal courts located in Summit County, Ohio.

TABLE OF CONTENTS

GOODYEAR ENGINEERED PRODUCTS

Innovative Products



Goodyear Engineered Products are industry leaders with an enviable history of product innovation and power transmission industry firsts, including:

- Falcon HTC synchronous belts — voted 2009 Product of the Year by Plant Engineering are setting the new standard in synchronous belt drive systems.
- Eagle NRG enhanced premium synchronous belts, with a patented H.O.T. (Helical Offset Tooth) design for reduced noise, reduced vibration, and increased efficiency, have increased horsepower and temperature ratings designed to perform.
- The MaximizerPro™ Drive Selection Analysis software program for easy, accurate selection of the best money-saving components for your application.
- Wedge TLP™ provides an advanced homogeneous construction, allowing unprecedented performance that requires virtually no maintenance.
- Torque Team Plus® belts with the strength and power transmission capacity to replace large chain drives.
- Poly-V® belts with nylon fabric rib facing, fiber-loaded rib compounds, and fully machined rib surfaces.

Equally important, the research and development that produced these dramatic improvements is a continuing process. We continue to have a multitude of new innovations that are being developed at our Research and Development Center in Lincoln, Nebraska.

That means our branded Power Transmission Products will continue to meet the increasing demands for improved drive efficiency, long belt life, and competitive costs.

We Provide Much More Than Quality Products

Veyance Technologies is the exclusive manufacturer of Goodyear Engineered Products. Working with us, you will receive the high level of service and support that is critical to stay ahead in today's business environment. Our branded power transmission products are available through qualified distributors that are carefully selected and trained to provide much more than quality Goodyear Engineered Products. A complete selection of value-added services are available including cost reduction programs, sales and technical support, and inventory control programs.

Distribution You Can Count On

Goodyear Engineered Products authorized distributors are committed to providing you the absolute best in products and service. They are thoroughly trained on Goodyear Engineered Products belting and stand ready to meet all your power transmission needs.

These distributors are backed by a staff of Goodyear Engineered Products technical managers (GTMs) who are specially trained and qualified to conduct in-depth studies of your current operations. In addition, GTMs and our distributors have access to powerful computer programs needed to optimize your current drive/belt applications.

Take comfort in the high level of service, delivery, and technical expertise that only comes from a local source backed by a manufacturer with advanced worldwide research and production capabilities.

Cost Reduction Programs

We can provide you with the tools and services to reduce your operating costs associated with power transmission products. Through training and drive analysis software, we can show you how to eliminate problem drives that are bringing down your productivity.

Customized Training

Whenever you need it, wherever you want it, customized training is available for your associates. From maintenance and installation clinics to in-depth training on analyzing failed power transmission products, our distributors and GTMs can give you the guidance needed to choose, install, and maintain your power transmission products.

Installation, Maintenance and Troubleshooting Tools

From initial installation to routine maintenance checks, we offer the tools that make your job easier. Simple to use, reliable and more important, keeping your operations productive and efficient.

Technical Assistance

We're proud to offer you the very finest "problem solvers" in the industry. All our distributors are factory-trained in the applications of the products we manufacture. Our professional design engineers are also available for consultation by calling your local sales representative. Their combined knowledge and experience are there for you around the clock.

Customer Satisfaction

Customer satisfaction is foremost in our guiding principles. It shows in our services. It shows in our products. Most importantly, it shows in the unparalleled customer quality rating our branded power transmission products have received from several key OEMs.

We've determined that the surest route to customer satisfaction is through a constant effort to improve. This commitment guarantees the quality of Goodyear Engineered Products, our services, deliveries and more—both now and in the years to come.

ISO 9001 Certified Global Sourcing

With state-of-the-art manufacturing facilities around the world, we have the capability of meeting market demands by strategically sourcing product to fill the product supply pipeline. You can also count on the same quality product no matter where in the world our products originate.

ISO 9001 is one of the most widely accepted international standards for quality. Our belt manufacturing plants are all ISO 9001 certified.

Quality Service

Our pledge is a simple one: Quality service that you can always depend on. It is a commitment from us and our distributors to you.

DRIVE CHANGE℠

MAXIMIZING YOUR ENERGY

With Veyance Technologies, you're much more than a customer. You are an integral piece to success. We pledge to support you with quality products, inventory, service, technical help, and more.

Goodyear Engineered Products have a tradition of product excellence. Along with our extensive distributor network, Veyance forms a team second to none in total product and service offerings. Our goal is to supply you with the best products.

We are constantly looking for ways to help you save money on your existing processes, combining your expertise with our knowledge of power transmission products to make every operation as efficient as possible.

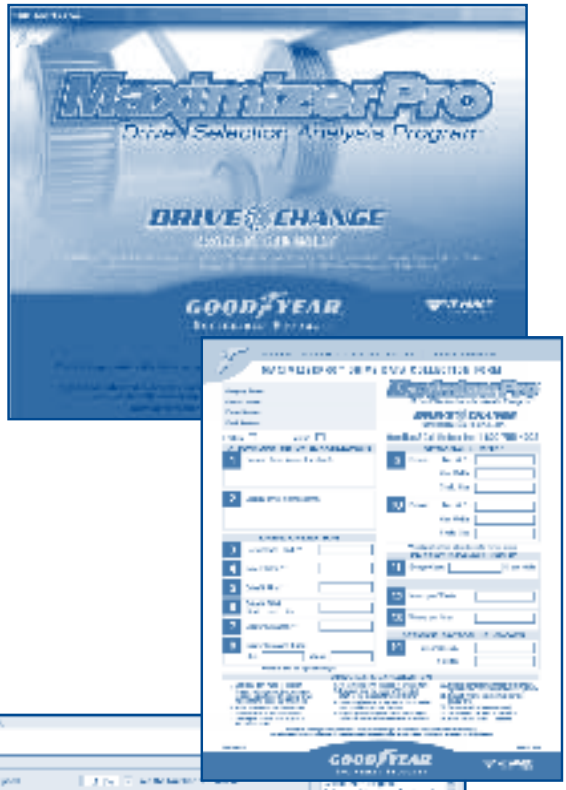
Drive Change is a program we promote to maximize efficiencies, reduce maintenance costs, and increase your productivity. We know that it only takes minor improvements in drive efficiency to improve your facility's efficiency with each energy dollar spent. To pinpoint the improvements, we have developed easy-to-use software programs such as **MaximizerPro**™. With **MaximizerPro**, mechanical drive costs can be analyzed, thus identifying the best drive belts for your needs.

In many instances, **Drive Change** involves upgrading your drives to the latest innovative belt technology that allows for increased efficiency and reduced cost of operation. For example, upgrading from a standard classical V-belt to a narrow V-belt can reduce hardware and maintenance costs while increasing horsepower and load carrying capabilities. To take it a step further, V-belts could be replaced altogether with a premium synchronous belt like ***Eagle NRG***™or ***Falcon HTC***®, permitting less maintenance and more efficiency.

MaximizerPro™

Drive Selection Analysis Program

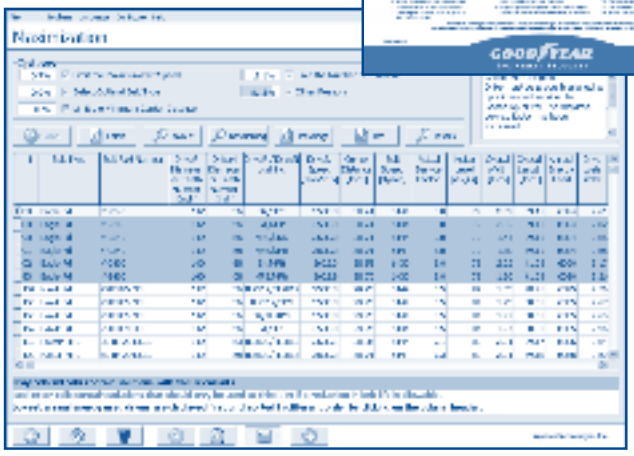
MaximizerPro is an exciting program which allows the user to have Goodyear Engineered Products belt specifications and information right at their fingertips. It is now web enabled and easy to use, making drive recommendations a snap. With MaximizerPro, drive requirements specified by the user are matched with available belts, sprockets, pulleys, and bushings. Working like an equation for improved performance, MaximizerPro takes specific physical data and calculates how the system can be upgraded with multiple options for belt drive designs. These options address the end-user's goals related to energy efficiency, quieter operation, increased output, and extended life to name a few.



The Data Collection Form:

The data collection form allows you to gather all of the drive specifications required to run the selection program. Specifications include:

- Drive Operation Time
- Horsepower Load
- DriveR and DriveN RPMs
- Center Distance
- Service Factor
- Energy Cost



The Maximization Screen:

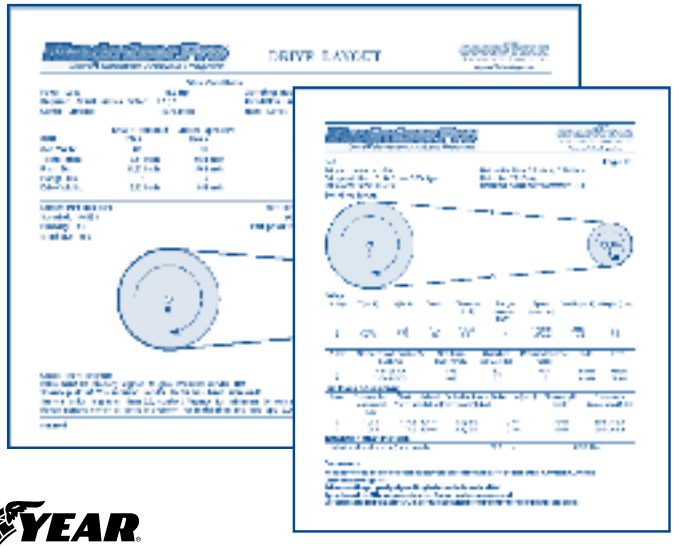
The maximization screen provides an easy way to view, sort and print the resulting selections. From the maximization screen, drive selections can be sorted by:

- Face Width
- Noise Level
- Energy Cost
- Service Factor
- Belt Speed
- Drive Cost Index

The Drive Design Printouts:

The printout function provides the pertinent information for the selected drive. Information available from the detail screen includes:

- Belt, sprocket, and bushing part numbers
- Engineered drawings on all drive part numbers (where applicable)
- Drive Layout
- Installation & Maintenance Tensioning



MaximizerPro is available by visiting our website at goodyearep.com/ptp.

POWER UP THE VALUE.

DRIVE CHANGE℠

MAXIMIZING YOUR ENERGY

With our Drive Change program, you'll get the perfect mix of technology, tools and training designed to increase value with each purchase of power transmission products.

With Veyance Technologies and our Goodyear Power Transmission Products Authorized Distributors, we offer an exclusive, all-encompassing Drive Change Program that optimizes the life and performance of your belt drives. Drive Change is our way of ensuring you are up-to-date on required installation and maintenance tools and procedures necessary to maximize plant operations and optimize output where belt drives are used to transfer power. Schedule an in-plant seminar with your local Goodyear Engineered Products Sales Representative and dedicated Goodyear Authorized Distributor. The next step is yours!

LASER ALIGNMENT TOOL

The Goodyear Engineered Products brand Laser Alignment Tool is fast, convenient and attaches in a few seconds, delivering a highly visible sight line. When the laser line lies within the target openings, the pulleys/sprockets are correctly positioned. The result is a fast and precise alignment. Power transmission belts including synchronous, V-belts, flatbelts and more can be aligned equally well. The smart design of the magnetic attachment surface also allows for alignment of both small and large sheaves. For nonmagnetic pulleys, double-sided tape can be used to affix the tool for an added range of applications.

KEY FEATURES & BENEFITS

- Detects both radial and axial misalignment
- Easier to use than conventional methods of misalignment detection
- Affixes to most pulley and sprocket types
- Also suitable for nonmagnetic pulleys/sprockets
- Single operator friendly

TENSIONRITE® BELT FREQUENCY METER

Provides a simple, repeatable, and reliable method for tensioning belts using optical technology. It displays the natural vibration frequency of a belt so you can closely monitor belt tension. The device calculates the corresponding belt tension in either English or SI units.

KEY FEATURES & BENEFITS

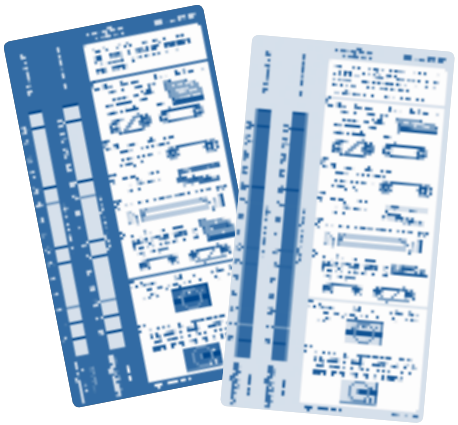
- Light optics based tensioning
- Quartz crystal-based solid-state circuitry
- Direct vs. indirect measurement of vibration frequency
- Meter range matches "real-life" belt installation parameters
- Can be used with all belt types

GOODYEAR ENGINEERED PRODUCTS

Power Up the Value.

TensionRite® Strips

Designed specifically for use with our single and banded V-belts, TensionRite is a plastic strip that adheres to belts during installation. Simply check the correct tension setting listed on the back of the TensionRite card and tighten the belt. The gauge window will indicate when the desired setting has been reached. It's that simple!



Key Features & Benefits

- Smarter way to quickly and accurately tension belts
- Seven easy steps to assure proper belt tensioning
- Easy-to-read measurement cards for both banded and V-belts

MaximizerPro™ Drive Selection Analysis Program

Maximize your energy savings with MaximizerPro—the newest and most powerful version of our exclusive drive system analysis software. Still as simple and intuitive to use as ever, MaximizerPro has all the features you've come to know, plus some new, powerful upgrades. Data entered into the software is cross-checked against MaximizerPro's robust database of available belts, sprockets, pulleys and bushings. The resulting customized report outlines specific products that can help you reach maximum efficiency and energy savings. MaximizerPro can enhance your drive systems the first time and every time.

Key Features & Benefits

- New online version is always up-to-date
- "Preferred Solutions" option for most efficient drive designs
- Improved screen layouts for quicker navigation
- Energy consumption displays for specific drives
- More comprehensive tensioning parameters

Large Tension Tester

The Large Tension Gauge, when used with a straight edge or tight string, can be an aid in setting the proper belt tension for a drive system. The relationship between deflection and belt span has been incorporated in the index scale printed on the face of the gauge. This eliminates one calculation associated with the tensioning operation.

Key Features & Benefits

- Quickly helps determine belt tension
- Compares force measured with recommended values for your application
- If values are not equal, simply adjust the belt tension and repeat force measurement until measured force matches target value

SYNCHRONOUS BELTS

Goodyear Engineered Products
synchronous drive products

Synchronous, or Positive Drive, Belts are a relatively new concept in power transmission belting evolution. These belts combine the advantages of chain and gear with the advantages of V-belts, but without the limitations usually associated with these conventional types of drives. There is minimal elongation, no metal-to-metal contact, and no constant lubrication. Synchronous belts are amazingly versatile with possible applications on drives up to 600 hp and from speeds under 100 feet per minute to over 6,000 feet per minute.

Positive Drive, or Pd, is the term applied to our synchronous belts and their method of power transmission. As the name indicates, Positive Drive belts make possible power transmission that is efficient and accurate to a precise degree.

Positive Drive Belts also make possible important savings in weight, space, and construction without the sacrifice of efficiency. They are adaptable to almost any type of power transmission drive from printers to heavy industrial milling machines and grinders.

Engineered and manufactured with extreme care with pitch, tooth depth, width, and other measurements accurate to a precise degree, Positive Drive Belts are highly engineered products. The materials used in these remarkable belts consist of high-strength tension members, specially compounded rubber, and proven synthetic fabrics. The belts are designed to eliminate excessive heat build-up and to operate efficiently.

THE EVOLUTION OF THE Pd® BELT LINE

Veyance manufactures several different designs. Some are available as open-end constructions and some are available in dual-sided constructions.

Positive Drive Pd® is our trademark line of trapezoidal tooth profile synchronous belts. These belts were the first profile types developed in the continual evolution of synchronous drive belts. This Positive Drive product line includes a stock selection of MXL, XL, L, H, XH, XXH, and Metric T pitches. Trapezoidal belts make an excellent means for transmitting power; however, time and technological advances have led to the more advanced product lines mentioned below.

Super Torque Pd® represents the next evolution in synchronous drive belt development in the Goodyear Engineered Products line. The Super Torque Pd belt has a unique modified round tooth design that minimizes tooth shear and operates quieter than traditional trapezoidal tooth profiles. Super Torque tooth pitches include S3M, S4.5M, S5M, S8M, and S14M and are available as special manufactured parts with minimal runs.

Eagle NRG™ Belts and Sprockets are a unique technological breakthrough. A patented H.O.T. (Helical Offset Tooth) design provides for continuous rolling tooth engagement, allowing the Eagle NRG System to run quieter with less vibration than any other synchronous belt available today. With specialized materials, Eagle NRG offers a much higher horsepower and temperature rating than its predecessor, Eagle Pd®. The use of a flangeless sprocket also ensures more compact, lighter drives with precision performance.

Eagle NRG Belts and Sprockets come in a wide variety of stock sizes with custom manufactured sizes being available for specialty drive requirements.

Falcon HTC® is a synchronous belt designed to handle increased horsepower, low torque applications. Falcon HTC belts feature a high-grade rubber compound. This blended compound handles temperatures much higher than common polyurethane belts used in similar applications. Also, it is formulated to resist tooth deformity and increase tooth rigidity, extending belt life and saving you money. Falcon HTC belts also feature a patented cord treatment which provides excellent dimensional stability and high-impact strength. Falcon HTC belts can also be used in applications requiring backside idlers, allowing for greater flexibility in various applications. For ease of ordering, the Falcon HTC part number interchanges with the Gates counterpart belt, making replacement easy.

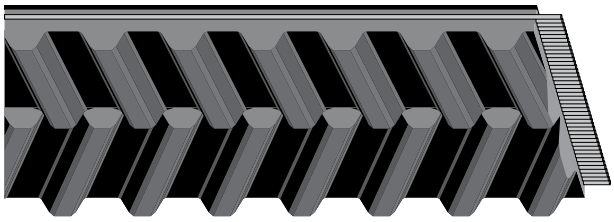
Hawk Pd®, with its strength and unique construction using our advanced compounding technology, is a line of curvilinear, synchronous belts that offers universal performance that stands alone. Designed to fit the majority of high-capacity synchronous application, Hawk Pd belts fulfill existing drive requirements, matching industrial standards of belt width and length. With the Universal Profile Design (UPD) profile, Hawk Pd performs in the GT and HTD profiles, replacing Gates PowerGrip HTD and PowerGrip GT 2 belts*. In addition, Hawk Pd replaces Carlisle RPP and RPP Plus belts*, running in RPP sprockets, as well as TB Wood's synchronous QD profile*. The UPD is a simple solution in satisfying the multitude of belt and sprocket combinations in the market. Take universal performance to a higher level with Hawk Pd.

Blackhawk Pd® is a high-performance, curvilinear belt that offers maximum performance in your 8mm and 14mm synchronous applications. Blackhawk Pd is precisely designed and can replace existing Carlisle Panther®, Browning Panther, and TB Wood's QT PowerChain belts, matching competitive offerings of belt width and length. Dynamic testing of Blackhawk Pd has shown this durable belt actually lasts 3 to 4 times longer than Carlisle RPP Panther®. Maximize the performance of your timing belt application with Blackhawk Pd, designed to deliver longer life and less maintenance. Choose the belt that takes performance to greater heights—Blackhawk Pd.

*Trademarks of the Gates Corporation, Carlisle, and TB Wood's Incorporated respectively.

EAGLE NRG™

NEW!



Part No: B-1750

B	Blue = 14 mm Pitch, 35 mm Width
1750	1750 mm Pitch Length

APPLICATIONS

Eagle NRG belts and sprockets are ideal on a wide variety of applications in all industries.

- Agricultural Equipment
- Packaging Conveyors
- Aggregate Crushers
- Poultry/Meat Grinders
- Wood Debarkers and Saws
- Mining Equipment
- Aluminum/Steel Conveyors
- Paper Presses
- Hog Dehairers
- Chain Drives
- Baking Mixers
- Textile Machines
- Horizontal Drives
- Printing Machines

KEY FEATURES & BENEFITS

- Reduced Noise
- Increased Horsepower
- Higher Efficiency
- Less Bearing Load
- Greater Precision
- Higher Temperature Operation
- Less Vibration
- Less Maintenance
- Compactness
- Self-Tracking
- Bidirectional
- Static Conductive*

THE EVOLUTION CONTINUES WITH THE NEXT GENERATION IN SYNCHRONOUS BELT TECHNOLOGY

Eagle NRG is the next generation in synchronous belt technology. This unique, state-of-the-art alternative to straight-tooth belts and drive chains has been enhanced to improve the overall performance of your drive design—and help you save Energy (NRG).

Eagle NRG is the same H.O.T. (Helical Offset Tooth) design offering continuous rolling tooth engagement, ensuring a much quieter, synchronous drive with reduced vibration. A flangeless sprocket offering used with Eagle NRG also provides a reduced weight, more compact drive providing efficiencies up to 98%.

HIGHER HORSEPOWER RATING

With the emergence of higher horsepower requirements and the need to reduce the size of drives, Eagle NRG's increased horsepower capacity, up to 25% improvement, has the ability to handle an even wider variety of applications. Newly engineered materials and specialty compounds are formulated to give this next-generation Eagle belt more value in the most demanding applications.

IMPROVED OPERATING TEMPERATURE RANGE

Knowing that elevated temperatures can significantly reduce belt life, we have made improvements in Eagle NRG's ability to perform at 200°F continuous operation.

With Eagle NRG, you can experience a whole new level of performance and value in reinforced rubber synchronous belts.

To learn more visit www.goodyearep.com/ptp.

BELT MATERIALS COMPOUNDED TO LAST LONGER

Durability starts with the Eagle NRG belt's rubber compound, a cross-linked elastomer formulated to resist tooth deformity and increase tooth rigidity. Eagle NRG is also chemically stable to resist the effects of oils, coolants, heat and ozone.

Eagle NRG's high-strength Flexten tensile member provides optimal resistance to flex fatigue, elongation and shock loads while operating at high torque conditions. The facing of Eagle NRG belts also reduce tooth engagement friction while standing up to oil and chemical permeation.

INCREASED EFFICIENCY DRIVECHANGE® OPPORTUNITY

The unique tooth configuration of Eagle NRG provides continuous tooth engagement and eliminates slippage. With a power efficiency rating of 98%, Eagle NRG can offer you an impressive 5% edge over typical V-belt drives.

Simply stated, with Eagle NRG, you get what you pay for with each energy dollar. This is especially true when the Eagle NRG is applied to high-energy consuming drives that are used 24 hours a day, as well as high horsepower drives that inflate energy consumption during peak periods.

A QUIETER, REDUCED VIBRATION DRIVE

The H.O.T. design of Eagle NRG belts and sprockets reduces vibration and decreases operating noise by as much as 19 decibels versus other synchronous systems. This can lead to a quieter working environment with improved worker efficiency. Costs associated with monitoring, training and testing to meet OSHA regulations can be virtually eliminated with Eagle NRG drives.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

EAGLE NRG™

LOWER MAINTENANCE COSTS

Unlike chain drives, Eagle NRG belts and sprockets do not require lubrication. After initial run in and rechecking tension after 8 hours of operation, Eagle NRG belts do not need additional retensioning like V-belts and chain.

MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

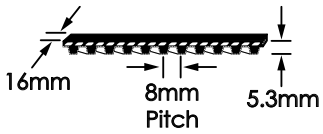
The Eagle NRG Color Spectrum System makes it the easiest power transmission drive to sell, purchase, and install.

The part numbering system for Eagle NRG centers around a color-coded sizing system for the belts and sprockets. Each belt and sprocket part number includes a letter corresponding to a color and is also branded in that color. The letters Y, W, P, B, G, O, and R indicate the colors Yellow, White, Purple, Blue, Green, Orange and Red. All Yellow belts are designed to function with all Yellow sprockets, as is the case for the White, Purple, Blue, Green, Orange and Red sizes. An example of the part numbering system nomenclature for belts, sprockets, and bushings follows and also appears on subsequent pages.

BELT PART NUMBER NOMENCLATURE

G – 2800
- G — Green Color
- 2800 — 2800 mm Pitch Length

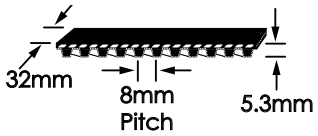
Y – 896
- Y — Yellow Color
- 896 — 896 mm Pitch Length



EAGLE NRG YELLOW (8 mm Pitch – 16 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
Y-640	80	25.20	Y-1280	160	50.39
Y-720	90	28.35	Y-1440	180	56.69
Y-800	100	31.50	Y-1600	200	62.99
Y-896	112	35.28	Y-1792	224	70.55
Y-1000	125	39.37	Y-2000	250	78.74
Y-1120	140	44.09	Y-2240	280	88.19
Y-1200	150	47.24	Y-2400	300	94.49

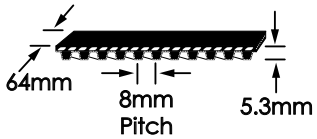
The belt length in mm is given in the part number.



EAGLE NRG WHITE (8 mm Pitch – 32 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
W-640	80	25.20	W-1280	160	50.39
W-720	90	28.35	W-1440	180	56.69
W-800	100	31.50	W-1600	200	62.99
W-896	112	35.28	W-1792	224	70.55
W-1000	125	39.37	W-2000	250	78.74
W-1120	140	44.09	W-2240	280	88.19
W-1200	150	47.24	W-2400	300	94.49

The belt length in mm is given in the part number.

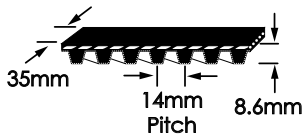


EAGLE NRG PURPLE (8 mm Pitch – 64 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
P-720	90	28.35	P-1200	150	47.24
P-800	100	31.50	P-1280	160	50.39
P-896	112	35.28	P-1440	180	56.69
P-1000	125	39.37	P-1600	200	62.99
P-1120	140	44.09			

The belt length in mm is given in the part number.

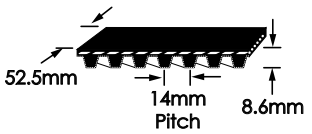
EAGLE NRG™



EAGLE NRG BLUE (14 mm Pitch – 35 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
B-994	71	39.13	B-2240	160	88.19
B-1120	80	44.09	B-2380	170	93.70
B-1190	85	46.85	B-2520	180	99.21
B-1260	90	49.61	B-2660	190	104.72
B-1400	100	55.12	B-2800	200	110.24
B-1568	112	61.73	B-3136	224	123.46
B-1750	125	68.90	B-3304	236	130.08
B-1960	140	77.17	B-3500	250	137.80
B-2100	150	82.68	B-3920	280	154.33

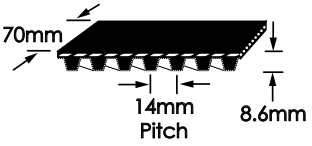
The belt length in mm is given in the part number.



EAGLE NRG GREEN (14 mm Pitch – 52.5 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
G-994	71	39.13	G-2240	160	88.19
G-1120	80	44.09	G-2380	170	93.70
G-1190	85	46.85	G-2520	180	99.21
G-1260	90	49.61	G-2660	190	104.72
G-1400	100	55.12	G-2800	200	110.24
G-1568	112	61.73	G-3136	224	123.46
G-1750	125	68.90	G-3304	236	130.08
G-1960	140	77.17	G-3500	250	137.80
G-2100	150	82.68	G-3920	280	154.33

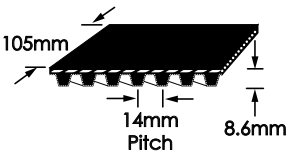
The belt length in mm is given in the part number.



EAGLE NRG ORANGE (14 mm Pitch – 70 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
O-1120	80	44.09	O-2380	170	93.70
O-1190	85	46.85	O-2520	180	99.21
O-1260	90	49.61	O-2660	190	104.72
O-1400	100	55.12	O-2800	200	110.24
O-1568	112	61.73	O-3136	224	123.46
O-1750	125	68.90	O-3304	236	130.08
O-1960	140	77.17	O-3500	250	137.80
O-2100	150	82.68	O-3920	280	154.33
O-2240	160	88.19			

The belt length in mm is given in the part number.



EAGLE NRG RED (14 mm Pitch – 105 mm Width)

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
R-1260	90	49.61	R-2520	180	99.21
R-1400	100	55.12	R-2660	190	104.72
R-1568	112	61.73	R-2800	200	110.24
R-1750	125	68.90	R-3136	224	123.46
R-1960	140	77.17	R-3304	236	130.08
R-2100	150	82.68	R-3500	250	137.80
R-2240	160	88.19	R-3920	280	154.33
R-2380	170	93.70			

The belt length in mm is given in the part number.

NEW!

EAGLE NRG™ SPROCKETS

EAGLE NRG™

Color Spectrum System

MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER!

Part No: Y-28S-H

Y	Yellow = 8 mm Pitch, 16 mm Width
28	28 Teeth
S	Sprocket
H	Hub/Bushing Type

Sprocket Combinations to Fit Your Drive System's Needs

Eagle NRG sprockets have been designed to insure maximum service life and performance. Over 1,500 sprocket combinations are available, making it easier to match the desired design speed. More speed ratio options also means more design flexibility and more compact drives.

Eagle NRG sprockets do not require flanges and are stocked in ductile iron constructions. Other materials such as aluminum, steel, and stainless steel are available upon request as made-to-order items.

Matching Belt to Sprocket Has Never Been Easier

The part numbering system for Eagle NRG centers around a color-coded sizing system for the belts and sprockets. Each belt and sprocket part number includes a letter corresponding to a color and is also branded in that color. The letters Y, W, P, B, G, O and R indicate the colors Yellow, White, Purple, Blue, Green, Orange, and Red. All Yellow belts are designed to function with all Yellow sprockets, as is the case for the White, Purple, Blue, Green, Orange, and Red sizes. An example of the part numbering system nomenclature for sprockets and bushings is given below.

Applications

Eagle NRG belts and sprockets are ideal for use on a wide variety of applications in all industries.

Key Features & Benefits

- More design flexibility with more compact drives.
- No flanges.
- Self-tracking design.
- Available in ductile iron, aluminum, steel, or stainless steel.

Sprocket Part Number Nomenclature

Minimum Plain Bore, MPB: **O-40S-MPB**

This is an Orange size sprocket with 40 teeth and a Minimum Plain Bore (MPB) style hub. The MPB style sprockets are supplied with a minimum bore, typically ½″ or 1″ with H7 tolerances, and will require machining of a keyway and setscrew holes, and possibly boring to a desired bore size.

Quick Disconnect, QD: **R-168S-N**

This is a Red size sprocket with 168 teeth and a hub machined to fit an "N" size QD bushing. A bushing is required to install this sprocket on a shaft. Please note that smaller diameter sprockets are not available in the QD style due to space limitations.

Finished Stock Bore, FSB: **G-34S — 1⅞**

This is a Green size sprocket with 34 teeth and a Finished Stock Bore (FSB) style hub featuring a bore of 1 7/8". FSB sprockets are supplied ready to install with a standard keyway and setscrew holes machined.

Bored To Suit, BTS: **B-28S-BTS — 1 13⁄16**

This is a Blue size sprocket with 28 teeth and a hub that has been bored (BTS) to 1 13⁄16″, per customer specification, and machined for setscrew holes and a keyway. BTS sprockets can be made to almost any bore including metric sizes.

Note: All MPB-, QD-, and FSB-style sprockets are stock items. BTS sprockets are made to order and may require lead times.

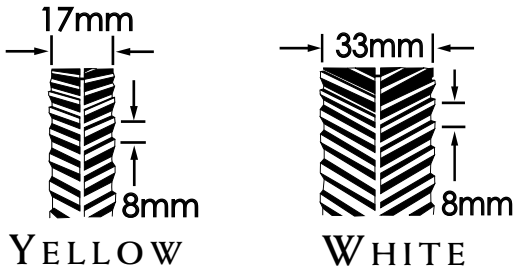
Bushing Part Number Nomenclature

E 2⅛:

E	**Bushing Size**
2⅛	**Bushing Bore**

Bushings are supplied with bolts, lock washers, and set screws. Keys are supplied only if a special shallow key is required. The E 2⅛″ bushing can be used to install any sprocket with an "E" hub on a 2⅛″ shaft. The QD bushing system is an industry standard, however, to ensure the best match between sprocket and bushing, we recommend using bushings supplied by Veyance for Eagle NRG sprockets.

EAGLE NRG™ SPROCKETS



YELLOW WHITE

EAGLE NRG YELLOW (8 mm Pitch – 17 mm Width)

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
Y-18S-MPB	18	Y-28S-MPB	28	Y-40S-MPB	40	Y-60S-MPB	60	Y-90S-MPB	90
Y-18S-FSB	18	Y-28S-H*	28	Y-40S-SH	40	Y-60S-SDS	60	Y-90S-SK	90
Y-20S-MPB	20	Y-30S-MPB	30	Y-44S-MPB	44	Y-63S-MPB	63	Y-112S-MPB	112
Y-20S-FSB	20	Y-30S-H*	30	Y-45S-MPB	45	Y-63S-SDS	63	Y-112S-SK	112
Y-22S-MPB	22	Y-32S-MPB	32	Y-45S-SDS	45	Y-64S-MPB	64	Y-140S-MPB	140
Y-22S-FSB	22	Y-32S-H*	32	Y-48S-MPB	48	Y-68S-MPB	68	Y-140S-SK	140
Y-24S-MPB	24	Y-34S-MPB	34	Y-48S-SDS	48	Y-72S-MPB	72	Y-180S-MPB	180
Y-24S-FSB	24	Y-34S-H*	34	Y-50S-MPB	50	Y-75S-MPB	75	Y-180S-SF	180
Y-25S-MPB	25	Y-36S-MPB	36	Y-50S-SDS	50	Y-75S-SDS	75	Y-224S-MPB	224
Y-25S-FSB	25	Y-36S-SH	36	Y-52S-MPB	52	Y-76S-MPB	76	Y-224S-E	224
Y-26S-MPB	26	Y-38S-MPB	38	Y-56S-MPB	56	Y-80S-MPB	80		
Y-26S-FSB	26	Y-38S-SH	38	Y-56S-SDS	56	Y-80S-SDS	80		

EAGLE NRG WHITE (8 mm Pitch – 33 mm Width)

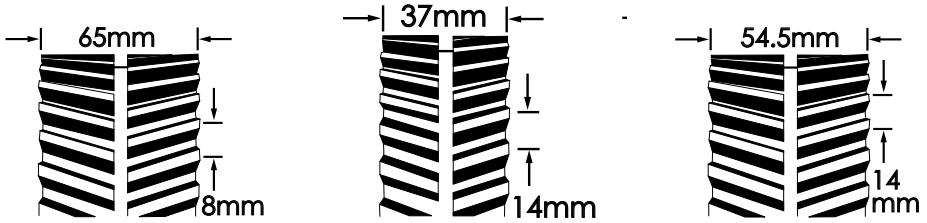
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
W-18S-MPB	18	W-28S-MPB	28	W-40S-MPB	40	W-60S-MPB	60	W-90S-MPB	90
W-18S-FSB	18	W-28S-H*	28	W-40S-SH	40	W-60S-SK	60	W-90S-SF	90
W-20S-MPB	20	W-30S-MPB	30	W-44S-MPB	44	W-63S-MPB	63	W-112S-MPB	112
W-20S-FSB	20	W-30S-H*	30	W-45S-MPB	45	W-63S-SK	63	W-112S-SF	112
W-22S-MPB	22	W-32S-MPB	32	W-45S-SDS	45	W-64S-MPB	64	W-140S-MPB	140
W-22S-FSB	22	W-32S-H*	32	W-48S-MPB	48	W-68S-MPB	68	W-140S-E	140
W-24S-MPB	24	W-34S-MPB	34	W-48S-SDS	48	W-72S-MPB	72	W-180S-MPB	180
W-24S-FSB	24	W-34S-SH	34	W-50S-MPB	50	W-75S-MPB	75	W-180S-E	180
W-25S-MPB	25	W-36S-MPB	36	W-50S-SDS	50	W-75S-SF	75	W-224S-MPB	224
W-25S-FSB	25	W-36S-SH	36	W-52S-MPB	52	W-76S-MPB	76	W-224S-F	224
W-26S-MPB	26	W-38S-MPB	38	W-56S-MPB	56	W-80S-MPB	80		
W-26S-FSB	26	W-38S-SH	38	W-56S-SK	56	W-80S-SF	80		

EAGLE NRG WHITE SLAB SPROCKETS

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
W-18S-SLB	18	W-27S-SLB	27	W-36S-SLB	36	W-48S-SLB	48	W-68S-SLB	68
W-19S-SLB	19	W-28S-SLB	28	W-37S-SLB	37	W-50S-SLB	50	W-70S-SLB	70
W-20S-SLB	20	W-29S-SLB	29	W-38S-SLB	38	W-52S-SLB	52	W-72S-SLB	72
W-21S-SLB	21	W-30S-SLB	30	W-39S-SLB	39	W-54S-SLB	54	W-75S-SLB	75
W-22S-SLB	22	W-31S-SLB	31	W-40S-SLB	40	W-56S-SLB	56	W-76S-SLB	76
W-23S-SLB	23	W-32S-SLB	32	W-42S-SLB	42	W-58S-SLB	58	W-80S-SLB	80
W-24S-SLB	24	W-33S-SLB	33	W-44S-SLB	44	W-60S-SLB	60	W-90S-SLB	90
W-25S-SLB	25	W-34S-SLB	34	W-45S-SLB	45	W-63S-SLB	63		
W-26S-SLB	26	W-35S-SLB	35	W-46S-SLB	46	W-64S-SLB	64		

*"H" is a Split Taper Bushing. "QT" is a QD® Bushing and is interchangeable with an "H" bushing.
FSB = Finish Stock Bore
See page 15 for sizing information.

EAGLE NRG™ SPROCKETS



PURPLE BLUE GREEN

EAGLE NRG PURPLE (8 mm Pitch – 65 mm Width)

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
P-24S-MPB	24	P-32S-MPB	32	P-44S-MPB	44	P-56S-MPB	56	P-68S-MPB	68
P-25S-MPB	25	P-34S-MPB	34	P-45S-MPB	45	P-60S-MPB	60	P-72S-MPB	72
P-26S-MPB	26	P-36S-MPB	36	P-48S-MPB	48	P-63S-MPB	63		
P-28S-MPB	28	P-38S-MPB	38	P-50S-MPB	50	P-64S-MPB	64		
P-30S-MPB	30	P-40S-MPB	40	P-52S-MPB	52				

EAGLE NRG PURPLE SLAB SPROCKETS

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
P-25S-SLB	25	P-33S-SLB	33	P-42S-SLB	42	P-56S-SLB	56	P-75S-SLB	75
P-26S-SLB	26	P-34S-SLB	34	P-44S-SLB	44	P-58S-SLB	58	P-76S-SLB	76
P-27S-SLB	27	P-35S-SLB	35	P-45S-SLB	45	P-60S-SLB	60	P-80S-SLB	80
P-28S-SLB	28	P-36S-SLB	36	P-46S-SLB	46	P-63S-SLB	63	P-90S-SLB	90
P-29S-SLB	29	P-37S-SLB	37	P-48S-SLB	48	P-64S-SLB	64		
P-30S-SLB	30	P-38S-SLB	38	P-50S-SLB	50	P-68S-SLB	68		
P-31S-SLB	31	P-39S-SLB	39	P-52S-SLB	52	P-70S-SLB	70		
P-32S-SLB	32	P-40S-SLB	40	P-54S-SLB	54	P-72S-SLB	72		

EAGLE NRG BLUE (14 mm Pitch – 37 mm Width)

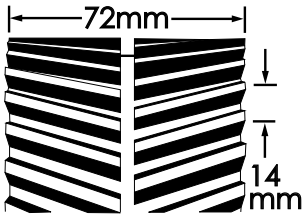
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
B-28S-MPB	28	B-36S-SF	36	B-48S-MPB	48	B-63S-F	63	B-112S-MPB	112
B-28S-SK	28	B-38S-MPB	38	B-48S-SF	48	B-71S-MPB	71	B-112S-F	112
B-30S-MPB	30	B-38S-SF	38	B-50S-MPB	50	B-71S-F	71	B-140S-MPB	140
B-30S-SK	30	B-40S-MPB	40	B-50S-E	50	B-75S-MPB	75	B-140S-J	140
B-32S-MPB	32	B-40S-SF	40	B-56S-MPB	56	B-75S-F	75	B-168S-MPB	168
B-32S-SK	32	B-43S-MPB	43	B-56S-E	56	B-80S-MPB	80	B-168S-J	168
B-34S-MPB	34	B-43S-SF	43	B-60S-MPB	60	B-80S-F	80	B-180S-E*	180
B-34S-SK	34	B-45S-MPB	45	B-60S-E	60	B-90S-MPB	90	B-200S-E*	200
B-36S-MPB	36	B-45S-SF	45	B-63S-MPB	63	B-90S-F	90	B-224S-E*	224

EAGLE NRG GREEN (14 mm Pitch – 54.5 mm Width)

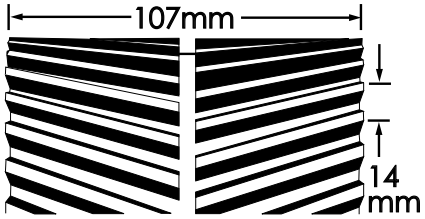
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
G-28S-MPB	28	G-34S-SK	34	G-45S-E	45	G-63S-F	63	G-112S-J	112
G-28S-FSB	28	G-36S-MPB	36	G-48S-MPB	48	G-71S-MPB	71	G-140S-MPB	140
G-30S-MPB	30	G-36S-SF	36	G-48S-E	48	G-71S-J	71	G-140S-M	140
G-30S-FSB	30	G-38S-MPB	38	G-50S-MPB	50	G-75S-MPB	75	G-168S-MPB	168
G-30S-SK	30	G-38S-SF	38	G-50S-E	50	G-75S-J	75	G-168S-M	168
G-32S-MPB	32	G-40S-MPB	40	G-56S-MPB	56	G-80S-MPB	80	G-180S-F*	180
G-32S-FSB	32	G-40S-SF	40	G-56S-E	56	G-80S-J	80	G-200S-F*	200
G-32S-SK	32	G-43S-MPB	43	G-60S-MPB	60	G-90S-MPB	90	G-224S-F*	224
G-34S-MPB	34	G-43S-E	43	G-60S-E	60	G-90S-J	90		
G-34S-FSB	34	G-45S-MPB	45	G-63S-MPB	63	G-112S-MPB	112		

*Special lightweight design. Contact Veyance Technologies to ensure suitability for your application.
Sprockets with MPB (Minimum Plain Bore) are specified when the sprocket does not allow room for a bushing that will handle the maximum load.
FSB = Finish Stock Bore
See page 15 for sizing information.

EAGLE NRG™ SPROCKETS



ORANGE



RED

EAGLE NRG ORANGE (14 mm Pitch – 72 mm Width)

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
O-28S-MPB	28	O-36S-FSB	36	O-48S-MPB	48	O-63S-J	63	O-112S-MPB	112
O-28S-FSB	28	O-38S-MPB	38	O-48S-E	48	O-71S-MPB	71	O-112S-M	112
O-30S-MPB	30	O-38S-FSB	38	O-50S-MPB	50	O-71S-J	71	O-140S-MPB	140
O-30S-FSB	30	O-40S-MPB	40	O-50S-F	50	O-75S-MPB	75	O-140S-M	140
O-32S-MPB	32	O-40S-FSB	40	O-56S-MPB	56	O-75S-J	75	O-168S-MPB	168
O-32S-FSB	32	O-43S-MPB	43	O-56S-F	56	O-80S-MPB	80	O-168S-M	168
O-34S-MPB	34	O-43S-E	43	O-60S-MPB	60	O-80S-J	80	O-224S-J*	224
O-34S-FSB	34	O-45S-MPB	45	O-60S-J	60	O-90S-MPB	90		
O-36S-MPB	36	O-45S-E	45	O-63S-MPB	63	O-90S-J	90		

*Contact Customer Service for price and availability.

EAGLE NRG RED (14 mm Pitch – 107 mm Width)

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
R-28S-MPB	28	R-36S-FSB	36	R-48S-MPB	48	R-63S-J	63	R-112S-MPB	112
R-28S-FSB	28	R-38S-MPB	38	R-48S-F	48	R-71S-MPB	71	R-112S-M	112
R-30S-MPB	30	R-38S-FSB	38	R-50S-MPB	50	R-71S-M	71	R-140S-MPB	140
R-30S-FSB	30	R-40S-MPB	40	R-50S-J	50	R-75S-MPB	75	R-140S-N	140
R-32S-MPB	32	R-40S-FSB	40	R-56S-MPB	56	R-75S-M	75	R-168S-MPB	168
R-32S-FSB	32	R-43S-MPB	43	R-56S-J	56	R-80S-MPB	80	R-168S-N	168
R-34S-MPB	34	R-43S-FSB	43	R-60S-MPB	60	R-80S-M	80		
R-34S-FSB	34	R-45S-MPB	45	R-60S-J	60	R-90S-MPB	90		
R-36S-MPB	36	R-45S-F	45	R-63S-MPB	63	R-90S-M	90		

EAGLE NRG RED SLAB SPROCKETS

Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
R-28S-SLB	28	R-35S-SLB	35	R-43S-SLB	43	R-54S-SLB	54	R-75S-SLB	75
R-29S-SLB	29	R-36S-SLB	36	R-44S-SLB	44	R-56S-SLB	56	R-80S-SLB	80
R-30S-SLB	30	R-37S-SLB	37	R-45S-SLB	45	R-58S-SLB	58	R-90S-SLB	90
R-31S-SLB	31	R-38S-SLB	38	R-46S-SLB	46	R-60S-SLB	60		
R-32S-SLB	32	R-39S-SLB	39	R-48S-SLB	48	R-63S-SLB	63		
R-33S-SLB	33	R-40S-SLB	40	R-50S-SLB	50	R-70S-SLB	70		
R-34S-SLB	34	R-42S-SLB	42	R-52S-SLB	52	R-71S-SLB	71		

Sprockets with MPB (Minimum Plain Bore) are specified when the sprocket does not allow room for a bushing that will handle the maximum load.
FSB = Finish Stock Bore
See page 15 for sizing information.

GOODYEAR ENGINEERED PRODUCTS

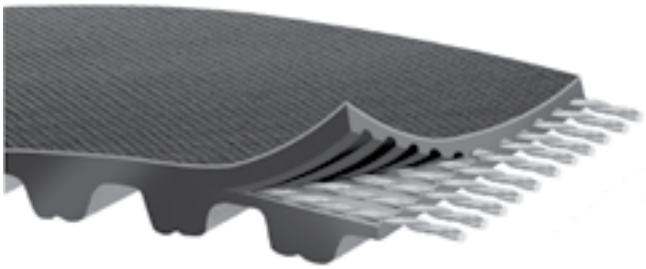
EAGLE NRG™
FINISHED STOCK BORE SIZES

Sprocket Size	Stock Bore Sizes (in.)							
	7/8″	1 7/8″	1 3/8″	1 5/8″	1 7/8″	2 1/8″	2 3/8″	2 7/8″
Y-18S	X							
W-18S	X							
Y-20S	X	X						
W-20S	X	X						
Y-22S	X	X						
W-22S	X	X						
Y-24S	X	X	X					
W-24S	X	X	X					
Y-25S	X	X	X					
W-25S	X	X	X					
Y-26S	X	X	X	X				
W-26S	X	X	X	X				
G-28S					X	X	X	
O-28S					X	X	X	
R-28S					X	X	X	X
G-30S					X	X	X	
O-30S					X	X	X	
R-30S					X	X	X	X
G-32S					X	X	X	
O-32S					X	X	X	X
R-32S					X	X	X	X
G-34S					X	X	X	
O-34S					X	X	X	X
R-34S					X	X	X	X
O-36S					X	X	X	X
R-36S					X	X	X	X
O-38S					X	X	X	X
R-38S					X	X	X	X
O-40S					X	X	X	X
R-40S					X	X	X	X
R-43S					X	X	X	X

X = Stock Size

FALCON HTC®

NEW!



Part No: 8GTR-640-12

8	8mm Pitch Length
GTR	Falcon HTC Belt
640	640mm Pitch
12	12mm Width

THE STAR OF OUR REINFORCED RUBBER POWER TRANSMISSION BELT PORTFOLIO

Falcon HTC is quickly setting the new standard in synchronous drive system belting. When compared to conventional polyurethane synchronous belts, the benefits of Falcon HTC become evident.

SPECIALTY COMPOUNDED MATERIALS GIVE THIS BELT SUPERIOR ADVANTAGES

The ability to operate continuously in temperatures up to 210°F and withstand peak temperatures as high as 300°F, along with being static conductive, help Falcon HTC perform in special applications, providing longer life and higher output to meet your needs.

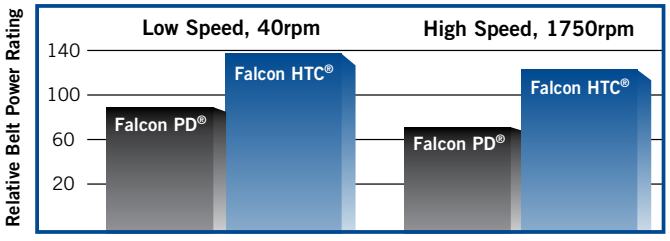
LOWER MAINTENANCE COSTS REDUCE THE PAIN

Falcon HTC synchronous belts do not require lubrication often found in chain drive applications. High-modulus cord members minimize the need for retensioning normally required in standard v-belts, reducing your overall maintenance cost.

QUIET OPERATION

Falcon HTC runs quieter, up to 6dB in operation for a better environment while offering advanced flex-fatigue resistance to help extend belt life.

POWER RATING COMPARISON



Conditions: 14mm Pitch Belt, 20mm Width Belt, 32 Tooth Sprockets

APPLICATIONS

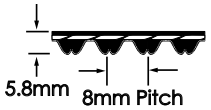
Any application where a chain drive could be used.

Can also be used with a backside idler when needed, allowing for additional applications.

Suitable for high horsepower, low torque drives.

KEY FEATURES & BENEFITS

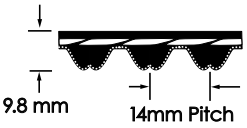
- Increased Horsepower Rating up to 30%
- Increased Continuous Operating Temperature up to 210°F
- Static Conductive**
- Size for size convenience. Example: 8GTR-640-21 = Gates 8MGT-640-21*
- Reduced operating noise levels to comparable belt drives.
- Exceptional tensile strength for premium performance.
- Rubber construction provides better resistance to flex fatigue.
- Versatility in a wide range of operating temperatures.



8 M (8mm Pitch)

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
640	1280	2520
720	1440	2840
800	1600	3200
896	1792	3600
1000	2000	4000
1120	2240	4480
1200	2400	

Stock Widths: 12mm, 21mm, 36mm, 62mm



14 M (14 mm Pitch)

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
994	1890	2800
1120	1960	3136
1190	2100	3304
1260	2240	3500
1400	2380	3920
1568	2520	4410
1750	2660	

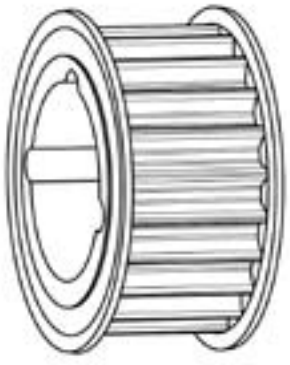
Stock Widths: 20mm, 37mm, 68mm, 90mm, 125mm

*Gates, Poly Chain and GT are trademarks of the Gates Corporation.

**Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

NEW!

FALCON HTC® SPROCKETS



Part No: GTR-22G-8M-12

GTR	Falcon HTC Sprocket
22G	22 Grooves/Teeth
8M	8mm Pitch Length
12	12mm Width

APPLICATIONS

Any applications where a chain drive could be used or there is a need for a high-efficiency drive system.

For use where Falcon HTC belts are specified or desired.

System is backside idler compatible allowing for additional applications.

KEY FEATURES & BENEFITS

- Goodyear Engineered Products GTR-22G-8M-12 replaces 8MX-22S-12
- Convenient replacement for existing Poly Chain® GT® 2 and Poly Chain GT Carbon®* drives
- Cast iron or steel construction
- Stock on most popular application sizes. Other sizes available as special order.

COMPACT DRIVES WITH HIGH PERFORMANCE

Falcon HTC sprockets are designed to be a part of a complete high performance drive system. Working with our premium synchronous Falcon HTC belts allows for a lot of performance in a small space, giving you flexibility in design and application.

Falcon HTC belts and sprockets are ideal for use on a wide variety of applications and industries.

MATCHING BELT TO SPROCKET IS SIMPLE

The part numbering system for Falcon HTC sprockets is simple and easy. Just match the belt's width and pitch length to that of the sprocket and select the preferred number of grooves/teeth to provide the desired performance characteristics. Refer to the part number example above for a part number breakdown.

GET WHAT YOU PAY FOR DRIVECHANGE

With Falcon HTC belts and sprockets, you get more of what you pay for with each energy dollar. This is especially true when Falcon HTC is applied to high-energy consuming drives that are used 24 hours a day, as well as high horsepower drives that inflate energy consumption during peak periods.

QUIETER, MORE FLEXIBLE DRIVE SYSTEM

Falcon HTC belt and sprocket systems also offer a decrease in operating noise. Tests show up to 6dB quieter operation than comparable Poly Chain GT 2 and Poly Chain GT Carbon* belt systems.

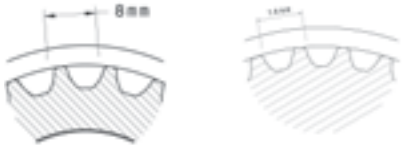
Proprietary rubber construction provides better resistance to flex fatigue and versatility in a wide range of operating temperatures.

A SYSTEM THAT WORKS WITH LESS MAINTENANCE

Since Falcon HTC belts are made of our proprietary high-grade rubber compound, you get a solution that can handle very demanding synchronous drive systems. Falcon HTC does not require lubrication. There is also no need for retensioning after the initial run in period like V-belts drives. Install a Falcon HTC drive system and watch your maintenance costs drop.

*Gates, Poly Chain and GT are trademarks of the Gates Corporation.

FALCON HTC® SPROCKETS



8M

Part Number	No. of Teeth	Replaces Sprocket	Part Number	No. of Teeth	Replaces Sprocket	Part Number	No. of Teeth	Replaces Sprocket
GTR-22G-8M-12	22	8MX-22S-12	GTR-34G-8M-21	34	8MX-34S-21	GTR-50G-8M-36	50	8MX-50S-36
GTR-25G-8M-12	25	8MX-25S-12	GTR-35G-8M-21*	35	8MX-35S-21	GTR-56G-8M-36	56	8MX-56S-36
GTR-26G-8M-12	26	8MX-26S-12	GTR-36G-8M-21	36	8MX-36S-21	GTR-60G-8M-36	60	8MX-60S-36
GTR-28G-8M-12	28	8MX-28S-12	GTR-38G-8M-21	38	8MX-38S-21	GTR-64G-8M-36	64	-
GTR-30G-8M-12	30	8MX-30S-12	GTR-40G-8M-21	40	8MX-40S-21	GTR-75G-8M-36	75	8MX-75S-36
GTR-31G-8M-12*	31	8MX-31S-12	GTR-42G-8M-21*	42	8MX-42S-21	GTR-80G-8M-36	80	8MX-80S-36
GTR-32G-8M-12	32	8MX-32S-12	GTR-45G-8M-21	45	8MX-45S-21	GTR-90G-8M-36	90	8MX-90S-36
GTR-34G-8M-12	34	8MX-34S-12	GTR-48G-8M-21	48	8MX-48S-21	GTR-112G-8M-36	112	8MX-112S-36
GTR-36G-8M-12	36	8MX-36S-12	GTR-50G-8M-21	50	8MX-50S-21	GTR-140G-8M-36	140	8MX-140S-36
GTR-38G-8M-12	38	8MX-38S-12	GTR-53G-8M-21*	53	8MX-53S-21	GTR-168G-8M-36*	168	-
GTR-40G-8M-12	40	8MX-40S-12	GTR-56G-8M-21	56	8MX-56S-21	GTR-192G-8M-36*	192	-
GTR-41G-8M-12*	41	8MX-41S-12	GTR-60G-8M-21	60	8MX-60S-21	GTR-30G-8M-62	30	-
GTR-45G-8M-12	45	8MX-45S-12	GTR-64G-8M-21	64	-	GTR-32G-8M-62	32	-
GTR-48G-8M-12	48	8MX-48S-12	GTR-67G-8M-21*	67	8MX-67S-21	GTR-34G-8M-62	34	8MX-34S-62
GTR-50G-8M-12	50	8MX-50S-12	GTR-75G-8M-21	75	8MX-75S-21	GTR-36G-8M-62	36	8MX-36S-62
GTR-56G-8M-12	56	8MX-56S-12	GTR-80G-8M-21	80	8MX-80S-21	GTR-38G-8M-62	38	8MX-38S-62
GTR-60G-8M-12	60	8MX-60S-12	GTR-90G-8M-21	90	8MX-90S-21	GTR-40G-8M-62	40	8MX-40S-62
GTR-64G-8M-12	64	-	GTR-112G-8M-21	112	8MX-112S-21	GTR-45G-8M-62	45	8MX-45S-62
GTR-75G-8M-12	75	8MX-75S-12	GTR-140G-8M-21	140	8MX-140S-21	GTR-48G-8M-62	48	8MX-48S-62
GTR-80G-8M-12	80	8MX-80S-12	GTR-25G-8M-36	25	-	GTR-50G-8M-62	50	8MX-50S-62
GTR-90G-8M-12	90	8MX-90S-12	GTR-28G-8M-36	28	-	GTR-56G-8M-62	56	8MX-56S-62
GTR-22G-8M-21	22	8MX-22S-21	GTR-30G-8M-36	30	-	GTR-60G-8M-62	60	8MX-60S-62
GTR-25G-8M-21	25	8MX-25S-21	GTR-32G-8M-36	32	8MX-32S-36	GTR-64G-8M-62	64	-
GTR-26G-8M-21	26	8MX-26S-21	GTR-34G-8M-36	34	8MX-34S-36	GTR-75G-8M-62	75	8MX-75S-62
GTR-27G-8M-21*	27	8MX-27S-21	GTR-36G-8M-36	36	8MX-36S-36	GTR-80G-8M-62	80	8MX-80S-62
GTR-28G-8M-21	28	8MX-28S-21	GTR-37G-8M-36*	37	8MX-37S-36	GTR-90G-8M-62	90	8MX-90S-62
GTR-30G-8M-21	30	8MX-30S-21	GTR-38G-8M-36	38	8MX-38S-36	GTR-112G-8M-62	112	8MX-112S-62
GTR-31G-8M-21*	31	8MX-31S-21	GTR-40G-8M-36	40	8MX-40S-36	GTR-140G-8M-62	140	8MX-140S-62
GTR-32G-8M-21	32	8MX-32S-21	GTR-45G-8M-36	45	8MX-45S-36	GTR-168G-8M-62*	168	-
GTR-33G-8M-21*	33	8MX-33S-21	GTR-48G-8M-36	48	8MX-48S-36	GTR-192G-8M-62*	192	--

8M sprockets are flanged through 80 grooves/teeth.

14M

Part Number	No. of Teeth	Replaces Sprocket	Part Number	No. of Teeth	Replaces Sprocket	Part Number	No. of Teeth	Replaces Sprocket
GTR-28G-14M-20	28	14MX-28S-20	GTR-64G-14M-37	64	-	GTR-34G-14M-90	34	-
GTR-29G-14M-20*	29	14MX-29S-20	GTR-72G-14M-37	72	-	GTR-36G-14M-90	36	14MX-36S-90
GTR-30G-14M-20	30	14MX-30S-20	GTR-80G-14M-37	80	14MX-80S-37	GTR-38G-14M-90	38	14MX-38S-90
GTR-32G-14M-20	32	14MX-32S-20	GTR-90G-14M-37	90	14MX-90S-37	GTR-40G-14M-90	40	14MX-40S-90
GTR-34G-14M-20	34	14MX-34S-20	GTR-112G-14M-37	112	14MX-112S-37	GTR-44G-14M-90	44	-
GTR-36G-14M-20	36	14MX-36S-20	GTR-140G-14M-37	140	14MX-140S-37	GTR-48G-14M-90	48	14MX-48S-90
GTR-38G-14M-20	38	14MX-38S-20	GTR-168G-14M-37*	168	14MX-168S-37	GTR-50G-14M-90	50	14MX-50S-90
GTR-40G-14M-20	40	14MX-40S-20	GTR-180G-14M-37^°	180	14MX-180S-37	GTR-56G-14M-90	56	14MX-56S-90
GTR-44G-14M-20	44	-	GTR-192G-14M-37	192	-	GTR-60G-14M-90	60	14MX-60S-90
GTR-48G-14M-20	48	14MX-48S-20	GTR-200G-14M-37^°	200	14MX-200S-37	GTR-64G-14M-90	64	-
GTR-50G-14M-20	50	14MX-50S-20	GTR-224G-14M-37^°	168	14MX-168S-20	GTR-72G-14M-90	72	-
GTR-56G-14M-20	56	14MX-56S-20	GTR-28G-14M-68	28	-	GTR-80G-14M-90	80	14MX-80S-90
GTR-60G-14M-20	60	14MX-60S-20	GTR-29G-14M-68	29	14MX-29S-68	GTR-90G-14M-90	90	14MX-90S-90
GTR-64G-14M-20	64	-	GTR-30G-14M-68	30	14MX-30S-68	GTR-112G-14M-90	112	14MX-112S-90
GTR-72G-14M-20	72	-	GTR-32G-14M-68	32	14MX-32S-68	GTR-140G-14M-90	140	14MX-140S-90
GTR-80G-14M-20	80	14MX-80S-20	GTR-34G-14M-68	34	14MX-34S-68	GTR-168G-14M-90*	168	14MX-168S-90
GTR-90G-14M-20	90	14MX-90S-20	GTR-36G-14M-68	36	14MX-36S-68	GTR-180G-14M-90*	180	14MX-180S-90
GTR-112G-14M-20	112	14MX-112-20	GTR-38G-14M-68	38	14MX-38S-68	GTR-192G-14M-90*	192	-
GTR-140G-14M-20	140	14MX-140S-20	GTR-40G-14M-68	40	14MX-40S-68	GTR-38G-14M-125	38	-
GTR-168G-14M-20	168	14MX-168S-20	GTR-44G-14M-68	44	-	GTR-40G-14M-125	40	-
GTR-180G-14M-20	168	14MX-168S-20	GTR-48G-14M-68	48	14MX-48S-68	GTR-44G-14M-125	44	-
GTR-200G-14M-20^	168	14MX-168S-20	GTR-50G-14M-68	50	14MX-50S-68	GTR-48G-14M-125	48	-
GTR-224G-14M-20^	168	14MX-168S-20	GTR-56G-14M-68	56	14MX-56S-68	GTR-50G-14M-125	50	14MX-50S-125
GTR-28G-14M-37	28	14MX-28S-37	GTR-60G-14M-68	60	14MX-60S-68	GTR-56G-14M-125	56	14MX-56S-125
GTR-29G-14M-37	29	14MX-29S-37	GTR-64G-14M-68	64	-	GTR-56G-14M-125	56	14MX-56S-125
GTR-30G-14M-37°	30	14MX-30S-37	GTR-72G-14M-68	72	-	GTR-60G-14M-125	60	14MX-60S-125
GTR-32G-14M-37°	32	14MX-32S-37	GTR-80G-14M-68	80	14MX-80S-68	GTR-64G-14M-125	64	-
GTR-34G-14M-37°	34	14MX-34S-37	GTR-90G-14M-68	90	14MX-90S-68	GTR-72G-14M-125	72	-
GTR-36G-14M-37°	36	14MX-36S-37	GTR-112G-14M-68	112	14MX-112S-68	GTR-80G-14M-125	80	14MX-80S-125
GTR-38G-14M-37	38	14MX-38S-37	GTR-140G-14M-68	140	14MX-140S-68	GTR-90G-14M-125	90	14MX-90S-125
GTR-40G-14M-37	40	14MX-40S-37	GTR-168G-14M-68	168	14MX-168S-68	GTR-112G-14M-125	112	14MX-112S-125
GTR-40G-14M-37	40	14MX-40S-37	GTR-180G-14M-68	180	14MX-180S-68	GTR-140G-14M-125	140	14MX-140S-125
GTR-44G-14M-37	44	-	GTR-192G-14M-68	192	-	GTR-168G-14M-125	168	14MX-168S-125
GTR-48G-14M-37	48	14MX-48S-37	GTR-30G-14M-90	30	-	GTR-180G-14M-125	180	14MX-180S-125
GTR-50G-14M-37	50	14MX-50S-37	GTR-28G-14M-90*	28	-	GTR-192G-14M-125*	192	-
GTR-56G-14M-37	56	14MX-56S-37	GTR-29G-14M-90*	29	-			
GTR-60G-14M-37	60	14MX-60S-37	GTR-32G-14M-90	32	-			

Most Falcon HTC Sprockets use Taper-Lock Bushings.
*Inventories continue to evolve, contact Customer Service for the latest stocking levels.
°Available with QD Bushing.
^Special lightweight design, contact Veyance Technologies to ensure suitability for your application

14M 72 and 80 groove/tooth sprockets can have laser cut flanges added. Contact Customer Service for price and delivery.

HAWK Pd®

Part No: 480-8M-20
480 480mm Pitch Length
8M 8mm Pitch
20 20mm Wide

A HIGH-PERFORMANCE SYNCHRONOUS BELT WITH A UNIVERSAL PROFILE

With its universal tooth profile, Hawk Pd is precisely designed and manufactured to fit the majority of existing high-capacity synchronous applications. Hawk Pd can fulfill most existing drive requirements in its class matching competitive offerings of belt width and length.

Sprocket compatibility with Gates HTD*, Power Grip GT and GT 2*, Carlisle RPP and RPP Plus*, and TB Wood's Synchronous QD*. Industry-compatible nomenclature for easy part number interchange.

BELT MATERIALS THAT LAST LONGER

Hawk Pd belts feature an enhanced rubber compound. This compound is formulated to resist tooth deformity and increase tooth rigidity, increasing belt life and decreasing replacement costs.

The demands of synchronous drives put additional strain on the belt and tooth surface for high-speed and low-speed applications. The Hawk Pd tooth profile resists ratcheting and provides accurate positioning for synchronous drive applications. Enhanced Goodyear Engineered Products materials and tooth profile enable the teeth to engage the sprocket smoothly.

*Trademarks of the Gates Corporation, Carlisle, and TB Wood's Incorporated respectively.

APPLICATIONS

Nearly every conceivable industrial drive application where shaft synchronization is required. Hawk Pd belts can also be used as an alternative to problem V-belt and chain drives.

- Aggregate Machinery
- Paper Industry Machinery
- Printing Trade Machinery
- Food Processing Equipment
- Packaging Machinery
- Mining Equipment
- Woodworking Machinery
- Office Equipment
- Machine Tool
- Home Appliances
- HVAC Units
- Textile Machinery
- Farm Machinery
- Vending Machines

KEY FEATURES & BENEFITS

- Universal tooth profile drops into existing HTD, GT and RPP sprockets. Industry-compatible nomenclature.
- High-grade compounding.
- Requires little, if any, retensioning and less drive maintenance.
- Oil, heat, ozone, and abrasion resistant.
- Designed for high-capacity performance.
- Higher horsepower rating than traditional timing belts.

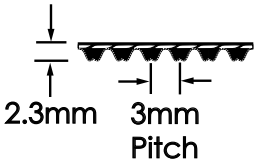
HIGH CAPACITY PERFORMANCE

Hawk Pd synchronous belts are designed for high-capacity performance, exceeding the traditional speed limitations of chain and performance limitations of belt drives. The new material technology delivers a higher horsepower rating and improved life.

LOWER MAINTENANCE COSTS

Unlike chain drives, Hawk Pd belts and matching sprockets do not require lubrication. There is also virtually no need for retensioning like there is for V-belts and chain drives. Install Hawk Pd and reduce your maintenance costs.

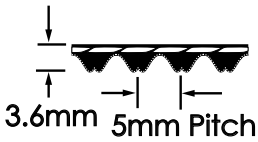
HAWK PD®



3 M Available Sizes

Pitch Length (mm)	Pitch Length (mm)
159*	612*
204*	633*
252*	675*
264*	738*
312*	

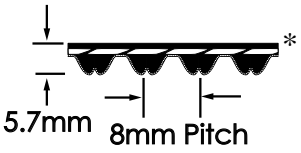
*Nonstock, made to order. Minimum quantities required.



5 M Available Sizes

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
350	635	1125
375	670	1195
400	710	1270
425	740	1420
450	800	1595
475	850	1690
500	890	1790
535	950	1895
565	1000	2000
600	1050	

Stock Widths: 9mm, 15mm, 25mm

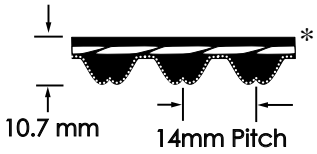


8 M Available Sizes

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
480	1040	2000
560	1120	2400
600	1200	2600
640	1280	2800
720	1440	3048
800	1600	3280
880	1760	3600
960	1800	4400

Stock Widths: 20mm, 30mm, 50mm, 85mm

*Static conductive

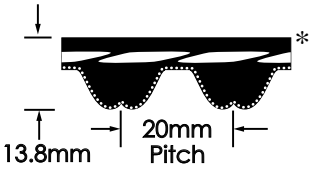


14 M Available Sizes

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
966	2450	4578
1190	2590	4956
1400	2800	5320
1610	3150	5740
1778	3360	6160
1890	3500	6860
2100	3850	
2310	4326	

Stock Widths: 40mm, 55mm, 85mm, 115mm, 170mm

*Static conductive



20 M Available Sizes

Pitch Length (mm)	Pitch Length (mm)	Pitch Length (mm)
2000	4200	5400
2500	4600	5800
3400	5000	6200
3800	5200	6600

Stock Widths: 115mm, 170mm, 230mm, 290mm, 340mm

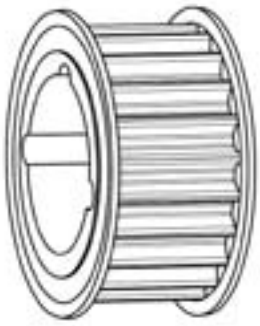
*Static conductive

In addition to our stock lineup of synchronous belts, we can manufacture additional sizes (lengths) not listed.

For full product availability and specifications, please visit www.goodyearep.com/ptp or contact a Goodyear Engineered Products sales representative.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HAWK PD® SYNCHRONOUS SPROCKETS



Part No: P34-14M-55-SK
P34 34 Grooves/Teeth
14 14mm Pitch Length
55 55mm Width
SK QD Bushing

5MM SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P32-5M-15**	20182279	0.8	P44-5M-25-JA	20182356	1.4	P68-5M-15-SDS	20182446	2.0
P32-5M-25**	20182280	1.1	P48-5M-15-JA	20182371	1.0	P68-5M-25-SDS	20182447	2.4
P34-5M-15**	20182292	1.0	P48-5M-25-JA	20182372	1.2	P72-5M-15-SDS	20182458	2.3
P34-5M-25**	20182293	1.3	P52-5M-15-JA	20182388	1.2	P72-5M-25-SDS	20182459	2.7
P36-5M-15**	20182307	1.1	P52-5M-25-JA	20182389	1.4	P80-5M-15-SDS	20182475	3.1
P36-5M-25**	20182308	1.5	P56-5M-15-SH	20182400	1.5	P80-5M-25-SDS	20182476	3.5
P38-5M-15-JA	20182323	0.6	P56-5M-25-SH	20182401	1.7	P90-5M-15-SDS	20182492	4.1
P38-5M-25-JA	20182324	0.9	P60-5M-15-SH	20182417	1.8	P90-5M-25-SDS	20182493	4.6
P40-5M-15-JA	20182339	0.7	P60-5M-25-SH	20182418	2.1	P112-5M-15-SDS	20182192	5.9
P40-5M-25-JA	20182340	1.1	P64-5M-15-SH	20182429	2.0	P112-5M-25-SDS	20182193	5.9
P44-5M-15-JA	20182355	1.0	P64-5M-25-SH	20182430	2.3			

**MPB

8MM SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P22-8M-20**	20182242	1.2	P36-8M-85-SKL	20182313	3.0	P64-8M-30-SK	20182432	8.4
P22-8M-30**	20182243	1.5	P38-8M-20-SH	20182325	2.0	P64-8M-50-SK	20182433	10.0
P24-8M-20-JA	20182244	0.7	P38-8M-30-SH	20182326	2.3	P64-8M-85-SF	20182434	12.2
P24-8M-30-JA	20182245	0.8	P38-8M-50-SH	20182327	3.1	P72-8M-20-SDS	20182460	5.8
P26-8M-20-JA	20182247	0.8	P38-8M-85-SKL	20182329	3.8	P72-8M-30-SK	20182461	8.0
P26-8M-30-JA	20182248	0.9	P40-8M-20-SH	20182341	2.2	P72-8M-50-SK	20182462	13.0
P28-8M-20-QT	20182256	1.0	P40-8M-30-SH	20182342	2.6	P72-8M-85-E	20182463	16.2
P28-8M-30-QT	20182257	1.4	P40-8M-50-SH	20182343	3.6	P80-8M-20-SDS	20182477	7.4
P28-8M-50**	20182258	4.2	P40-8M-85-SKL	20182345	4.9	P80-8M-30-SK	20182478	9.8
P30-8M-20-QT	20182270	1.3	P44-8M-20-SDS	20182357	2.4	P80-8M-50-SF	20182479	13.1
P30-8M-30-QT	20182271	1.7	P44-8M-30-SDS	20182358	2.8	P80-8M-85-E	20182480	21.3
P30-8M-50**	20182272	4.9	P44-8M-50-SD	20182359	4.6	P90-8M-20-SDS	20182494	7.2
P32-8M-20-QT	20182281	1.4	P44-8M-85-SFL	20182361	5.5	P90-8M-30-SK	20182495	11.5
P32-8M-30-QT	20182282	1.6	P48-8M-20-SDS	20182373	3.0	P90-8M-50-SF	20182496	16.1
P32-8M-50**	20182283	5.3	P48-8M-30-SDS	20182374	3.5	P90-8M-85-E	20182497	27.7
P34-8M-20-SH	20182294	1.4	P48-8M-50-SD	20182375	5.8	P112-8M-30-SK	20182194	13.5
P34-8M-30-SH	20182295	1.6	P48-8M-85-SFL	20182377	7.5	P112-8M-50-SF	20182195	20.0
P34-8M-50-SH	20182296	2.1	P56-8M-20-SDS	20182402	4.4	P112-8M-85-F	20182196	58.0
P34-8M-85**	20182298	8.4	P56-8M-30-SDS	20182403	5.0	P144-8M-50-E	20182208	31.2
P36-8M-20-SH	20182309	1.7	P56-8M-50-SK	20182404	7.4	P144-8M-85-F	20182209	52.0
P36-8M-30-SH	20182310	2.0	P56-8M-85-EL	20182405	10.1	P192-8M-50-E	20182230	51.0
P36-8M-50-SH	20182311	2.7	P64-8M-20-SDS	20182431	5.9	P192-8M-85-F	20182231	70.0

*Weight does not include bushing.
**MPB

14MM SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P28-14M-40-SK	20182252	5.2	P44-14M-85-E	20182351	21.0	P72-14M-170-J	20182449	112.2
P28-14M-55-SK	20182253	6.5	P44-14M-115-E	20182346	25.2	P80-14M-40-E	20182467	34.2
P28-14M-85-SFL	20182254	8.8	P44-14M-170-FL	20182348	39.0	P80-14M-55-F	20182468	51.5
P28-14M-115-SFL	20182250	11.3	P48-14M-40-E	20182365	19.0	P80-14M-85-F	20182469	60.6
P29-14M-40-SK	20182260	5.9	P48-14M-55-E	20182366	21.9	P80-14M-115-J	20182465	84.8
P29-14M-55-SK	20182261	7.5	P48-14M-85-E	20182367	27.6	P80-14M-170-J	20182466	103.9
P29-14M-85-SFL	20182262	10.1	P48-14M-115-E	20182362	33.2	P90-14M-40-E	20182484	34.4
P29-14M-115-SFL	20182259	13.0	P48-14M-170-FL	20182364	51.0	P90-14M-55-F	20182485	47.7
P30-14M-40-SK	20182266	5.6	P52-14M-40-E	20182380	23.1	P90-14M-85-F	20182486	58.1
P30-14M-55-SK	20182267	6.7	P52-14M-55-E	20182381	26.3	P90-14M-115-J	20182482	73.3
P30-14M-85-EL	20182268	7.8	P52-14M-85-E	20182382	32.6	P90-14M-170-J	20182483	88.2
P30-14M-115-EL	20182264	10.0	P52-14M-115-F	20182378	43.4	P112-14M-40-E	20182184	45.0
P32-14M-40-SK	20182275	7.2	P52-14M-170-F	20182379	54.2	P112-14M-55-F	20182185	61.8
P32-14M-55-SK	20182276	8.7	P56-14M-40-E	20182392	27.7	P112-14M-85-F	20182186	78.8
P32-14M-85-EL	20182277	10.7	P56-14M-55-E	20182393	31.1	P112-14M-115-J	20182182	100.5
P32-14M-115-EL	20182273	13.7	P56-14M-85-F	20182394	44.4	P112-14M-170-M	20182183	158.0
P34-14M-40-SK	20182286	8.6	P56-14M-115-F	20182390	51.3	P144-14M-40-E	20182200	72.2
P34-14M-55-SK	20182287	10.5	P56-14M-170-F	20182391	63.0	P144-14M-55-F	20182201	95.9
P34-14M-85-EL	20182288	13.6	P60-14M-40-E	20182409	32.5	P144-14M-85-F	20182202	107.9
P34-14M-115-EL	20182284	17.3	P60-14M-55-E	20182410	36.4	P144-14M-115-J	20182198	143.5
P36-14M-40-SF	20182302	7.7	P60-14M-85-F	20182411	52.4	P144-14M-170-M	20182199	233.5
P36-14M-55-SF	20182303	10.6	P60-14M-115-F	20182407	60.2	P168-14M-40-F	20182212	92.9
P36-14M-85-SF	20182304	13.9	P60-14M-170-J	20182408	76.0	P168-14M-55-F	20182213	99.8
P36-14M-115-FL	20182299	17.0	P64-14M-40-E	20182421	28.8	P168-14M-85-J	20182214	133.0
P36-14M-170-FL	20182301	23.0	P64-14M-55-F	20182422	52.2	P168-14M-115-M	20182210	215.0
P38-14M-40-SF	20182317	10.3	P64-14M-85-F	20182423	60.4	P168-14M-170-M	20182211	258.6
P38-14M-55-SF	20182318	12.2	P64-14M-115-J	20182419	73.0	P192-14M-40-F	20182222	114.0
P38-14M-85-SF	20182319	16.1	P64-14M-170-J	20182420	87.0	P192-14M-55-F	20182223	122.8
P38-14M-115-FL	20182314	21.0	P68-14M-40-E	20182438	31.1	P192-14M-85-J	20182224	162.0
P38-14M-170-FL	20182316	28.0	P68-14M-55-F	20182439	37.0	P192-14M-115-M	20182220	256.0
P40-14M-40-SF	20182333	12.1	P68-14M-85-F	20182440	53.7	P192-14M-170-M	20182221	337.0
P40-14M-55-SF	20182334	14.4	P68-14M-115-J	20182436	84.8	P216-14M-40-F	20182234	147.0
P40-14M-85-SF	20182335	19.1	P68-14M-170-J	20182437	99.3	P216-14M-55-F	20182235	158.0
P40-14M-115-FL	20182330	25.0	P72-14M-40-E	20182450	29.9	P216-14M-85-J	20182236	224.0
P40-14M-170-FL	20182332	34.0	P72-14M-55-F	20182451	47.6	P216-14M-115-M	20182233	304.0
P44-14M-40-E	20182349	14.8	P72-14M-85-F	20182452	58.2	P216-14M-170-M	20182234	405.0
P44-14M-55-E	20182350	16.9	P72-14M-115-J	20182448	96.7			

*Weight does not include bushing.

20MM SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P34-20M-115-F	20182290	31.1	P40-20M-230 - 2 7/8	20182338	146.8	P52-20M-230-M	20182385	158.3
P34-20M-170 -2 1/8	20182291	81.4	P44-20M-115-F	20182352	63.2	P52-20M-290-N	20182386	186.2
P36-20M-115-F	20182305	39.7	P44-20M-170-J	20182353	80.5	P52-20M-340-N	20182387	201
P36-20M-170 - 2 1/8	20182306	92.6	P44-20M-230 - 2 7/8	20182354	179.6	P56-20M-115-J	20182395	87.1
P38-20M-115-F	201823204	4.5	P48-20M-115-J	20182368	83.6	P56-20M-170-M	20182396	169.7
P38-20M-170-J	20182321	55.7	P48-20M-170-M	20182369	113.3	P56-20M-230-M	20182397	188.8
P38-20M-230 - 2 7/8	20182322	119.9	P48-20M-230-M	20182370	128.9	P56-20M-290-N	20182398	223.2
P40-20M-115-F	20182336	50.6	P52-20M-115-J	20182383	79.5	P56-20M-340-N	20182399	239.3
P40-20M-170-J	20182337	63.8	P52-20M-170-M	20182384	140.6	P60-20M-115-J	20182412	93.7

Continued on page 23

20MM SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P60-20M-170-M	20182413	198.6	P72-20M-340-N	20182457	330.2	P144-20M-230-P	20182205	542.0
P60-20M-230-M	20182414	217.1	P80-20M-115-M	20182470	181.5	P144-20M-290-P	20182206	637.2
P60-20M-290-N	20182415	257.2	P80-20M-170-M	20182471	214.1	P144-20M-340-W	20182207	813.4
P60-20M-340-N	20182416	272.7	P80-20M-230-N	20182472	279.5	P168-20M-115-N	20182215	417.2
P64-20M-115-J	20182424	103.4	P80-20M-290-N	20182473	313.9	P168-20M-170-P	20182216	560.0
P64-20M-170-M	20182425	174.8	P80-20M-340-P	20182474	406.3	P168-20M-230-P	20182217	635.0
P64-20M-230-M	20182426	198	P90-20M-115-M	20182487	211.8	P168-20M-290-W	20182218	891.2
P64-20M-290-N	20182427	298.9	P90-20M-170-M	20182488	249.8	P168-20M-340-W	20182219	947.2
P64-20M-340-N	20182428	315.6	P90-20M-230-N	20182489	318.4	P192-20M-115-N	20182225	499.9
P68-20M-115-J	20182441	109.4	P90-20M-290-N	20182490	359.2	P192-20M-170-P	20182226	680.0
P68-20M-170-M	20182442	187.3	P90-20M-340-P	20182491	425.4	P192-20M-230-W	20182227	935.1
P68-20M-230-N	20182443	323.5	P112-20M-115-M	20182187	238.5	P192-20M-290-W	20182228	1060.3
P68-20M-290-N	20182444	345.5	P112-20M-170-N	20182188	308.9	P192-20M-340-S	20182229	1367.8
P68-20M-340-N	20182445	375	P112-20M-230-N	20182189	356.8	P216-20M-115-N	20182237	565.7
P72-20M-115-J	20182453	118.7	P112-20M-290-P	20182190	513.2	P216-20M-170-P	20182238	812.9
P72-20M-170-M	20182454	195.5	P112-20M-340-P	20182191	542.9	P216-20M-230-W	20182239	1061.5
P72-20M-230-N	20182455	286.9	P144-20M-115-N	20182203	340.5	P216-20M-290-W	20182240	1238.9
P72-20M-290-N	20182456	310.4	P144-20M-170-N	20182204	426.2	P216-20M-340-S	20182241	1554.9

8MM PITCH TAPER-LOCK SYNCHRONOUS SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P22-8M-20-1108	20182754	0.4	P36-8M-50-1610	20182797	2.4	P56-8M-85-2517	20182842	9.8
P22-8M-30-1108	20182755	0.5	P36-8M-85-1615	20182798	3.8	P64-8M-20-2012	20182851	7.6
P24-8M-20-1108	20182756	0.6	P38-8M-20-1610	20182803	1.8	P64-8M-30-2517	20182852	9.2
P24-8M-30-1108	20182757	0.7	P38-8M-30-1610	20182804	2.1	P64-8M-50-2517	20182853	11.2
P26-8M-20-1108	20182758	0.8	P38-8M-50-1610	20182805	2.8	P64-8M-85-2517	20182854	13.8
P26-8M-30-1108	20182759	0.9	P38-8M-85-1610	20182806	3.8	P72-8M-20-2012	20182863	10.0
P28-8M-20-1108	20182763	1.0	P40-8M-20-1610	20182811	2.1	P72-8M-30-2517	20182864	12.4
P28-8M-30-1108	20182764	1.2	P40-8M-30-2012	20182812	2.1	P72-8M-50-2517	20182865	15.1
P28-8M-50-1108	20182765	1.6	P40-8M-50-2012	20182813	2.9	P72-8M-85-3020	20182866	17.3
P30-8M-20-1210	20182773	1.0	P40-8M-85-2012	20182814	4.0	P80-8M-20-2517	20182871	13.2
P30-8M-30-1210	20182774	1.2	P44-8M-20-2012	20182819	2.6	P80-8M-30-2517	20182872	16.1
P30-8M-50-1210	20182775	1.7	P44-8M-30-2012	20182820	3.0	P80-8M-50-2517	20182873	26.0
P32-8M-20-1210	20182780	1.3	P44-8M-50-2012	20182821	3.9	P80-8M-85-3020	20182874	23.0
P32-8M-30-1210	20182781	1.5	P44-8M-85-2012	20182822	5.4	P90-8M-20-2517	20182879	12.2
P32-8M-50-1210	20182782	2.0	P48-8M-20-2012	20182827	3.5	P90-8M-30-2517	20182880	13.4
P34-8M-20-1610	20182787	1.2	P48-8M-30-2012	20182828	3.9	P90-8M-50-3020	20182881	26.0
P34-8M-30-1610	20182788	1.4	P48-8M-50-2012	20182829	5.2	P90-8M-85-3020	20182882	30.0
P34-8M-50-1610	20182789	1.9	P48-8M-85-2012	20182830	7.2	P112-8M-30-2517	20182751	28.0
P34-8M-85-1615	20182790	2.9	P56-8M-20-2012	20182839	5.4	P112-8M-50-3020	20182752	27.0
P36-8M-20-1610	20182795	1.5	P56-8M-30-2012	20182840	6.1	P112-8M-85-3020	20182753	35.0
P36-8M-30-1610	20182796	1.7	P56-8M-50-2517	20182841	7.6			

*Weight does not include bushing.

14MM PITCH TAPER-LOCK SYNCHRONOUS SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
P28-14M-40-2012	20182760	5.2	P38-14M-115-3020	20182799	19.2	P64-14M-40-3020	20182848	29.0
P28-14M-55-2012	20182761	6.4	P40-14M-40-2517	20182808	13.3	P64-14M-55-3020	20182849	34.0
P28-14M-85-2012	20182762	9.0	P40-14M-55-2517	20182809	15.6	P64-14M-85-3535	20182850	71.0
P29-14M-40-2012	20182766	5.9	P40-14M-85-3020	20182810	18.5	P64-14M-115-4545	20182847	80.0
P29-14M-55-2012	20182767	7.4	P40-14M-115-3020	20182807	23.0	P68-14M-40-3020	20182856	31.0
P29-14M-85-2012	20182768	10.3	P44-14M-40-2517	20182816	16.6	P68-14M-55-3020	20182857	37.0
P30-14M-40-2012	20182770	5.8	P44-14M-55-2517	20182817	18.7	P68-14M-85-3535	20182858	83.0
P30-14M-55-2517	20182771	6.5	P44-14M-85-3020	20182818	22.0	P68-14M-115-4545	20182855	94.0
P30-14M-85-2517	20182772	8.7	P44-14M-115-3535	20182815	28.0	P72-14M-40-3020	20182860	34.0
P30-14M-115-2517	20182769	11.0	P48-14M-40-2517	20182824	21.0	P72-14M-55-3020	20182861	41.0
P32-14M-40-2012	20182777	7.4	P48-14M-55-3020	20182825	23.0	P72-14M-85-3535	20182862	70.0
P32-14M-55-2517	20182778	8.5	P48-14M-85-3020	20182826	29.0	P72-14M-115-4545	20182859	109.0
P32-14M-85-2517	20182779	11.6	P48-14M-115-3535	20182823	38.0	P80-14M-40-3020	20182868	35.0
P32-14M-115-2517	20182776	14.8	P52-14M-40-2517	20182832	26.0	P80-14M-55-3020	20182869	43.0
P34-14M-40-2012	20182784	8.7	P52-14M-55-3020	20182833	28.0	P80-14M-85-3535	20182870	74.0
P34-14M-55-2517	20182785	10.3	P52-14M-85-3535	20182834	41.0	P80-14M-115-4545	20182867	143.0
P34-14M-85-2517	20182786	14.1	P52-14M-115-4040	20182831	45.0	P90-14M-40-3020	20182876	36.0
P34-14M-115-2517	20182783	17.8	P56-14M-40-2517	20182836	21.0	P90-14M-55-3020	20182877	40.0
P36-14M-40-2517	20182792	9.7	P56-14M-55-3020	20182837	34.0	P90-14M-85-3535	20182878	72.0
P36-14M-55-2517	20182793	11.2	P56-14M-85-3535	20182838	51.0	P90-14M-115-4545	20182875	127.0
P36-14M-85-3020	20182794	12.3	P56-14M-115-4040	20182835	56.0	P112-14M-40-3020	20182748	47.0
P36-14M-115-3020	20182791	15.4	P60-14M-40-3020	20182844	27.0	P112-14M-55-3020	20182749	55.0
P38-14M-40-2517	20182800	11.5	P60-14M-55-3020	20182845	40.0	P112-14M-85-3535	20182750	89.0
P38-14M-55-2517	20182801	13.4	P60-14M-85-3535	20182846	61.0	P112-14M-115-4545	20182747	136.0
P38-14M-85-3020	20182802	15.4	P60-14M-115-4040	20182843	68.0			

*Weight does not include bushing.

BLACKHAWK Pd®

Part No: 480 8M BH 12
480 480mm Pitch Length
8M 8mm Pitch
BH Blackhawk Belt
12 12mm Wide

A HIGH-PERFORMANCE SYNCHRONOUS BELT WITH A UNIVERSAL PROFILE

For a curvilinear belt that offers improved performance in your synchronous application, look no further than Blackhawk Pd. The high-performance belt offers best-of-breed technology and higher horsepower for the money. Its proven durability and strength make it a compatible upgrade for many other timing belts.

BELT MATERIALS THAT LAST LONGER

Blackhawk Pd belts feature a patented high-grade rubber compound. This cross-linked elastomer is formulated to resist tooth deformity and increase tooth rigidity, increasing belt life and decreasing replacement costs.

Blackhawk Pd's Flexten® tensile members provide excellent dimensional stability and high impact strength. Blackhawk Pd requires virtually no retensioning and minimum maintenance.

The demands of synchronous drives put additional strain on the belt and tooth surface for high-speed and low-speed applications. The Blackhawk Pd tooth profile resists ratcheting and provides accurate positioning for synchronous drive applications.

HIGH-CAPACITY PERFORMANCE

Blackhawk Pd synchronous belts are designed for high-capacity performance, exceeding the traditional speed limitations of chain and performance limitations of belt drives. Blackhawk Pd belts are able to perform in drives ranging from fractional horsepower to 400 horsepower. The new material technology delivers a higher horsepower rating.

APPLICATIONS

Nearly every conceivable industrial drive application where precise shaft synchronization is required. Blackhawk Pd belts can also be used as an alternative to problem V-belt and chain drives.

- Aggregate Machinery
- Paper Industry Machinery
- Printing Trade Machinery
- Food Processing Equipment
- Packaging Machinery
- Mining Equipment
- Woodworking Machinery
- Office Equipment
- Machine Tool
- Home Appliances
- HVAC Units
- Textile Machinery
- Farm Machinery
- Vending Machines

KEY FEATURES & BENEFITS

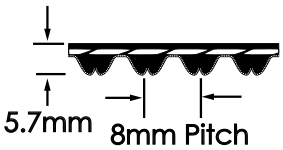
- Universal tooth profile drops into existing HTD and RPP sprockets.
- High-grade Hibrex compound.
- Flexten tensile members provide excellent dimensional stability and high-impact strength.
- Requires little, if any, retensioning and less drive maintenance.
- Oil, heat, ozone, and abrasion resistant.
- Designed for high-capacity performance.
- Higher horsepower rating than traditional timing belts.
- Static conductive*

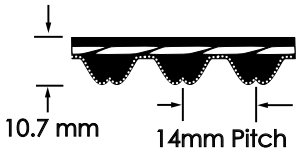
LOWER MAINTENANCE COSTS

Unlike chain drives, Blackhawk Pd belts and matching sprockets do not require lubrication. There is virtually no need for retensioning like there is for V-belt and chain drives. Install Blackhawk Pd and watch your maintenance costs drop to practically nothing.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

BLACKHAWK PD®





8M Available Sizes

Pitch Length (mm)	Pitch Length (mm)
480	1440
560	1600
600	1760
640	1800
720	2000
800	2400
880	2600
960	2800
1040	3048
1120	3280
1200	3600
1280	4400

Stock Widths: 12mm, 22mm, 35mm, 60mm

14M Available Sizes

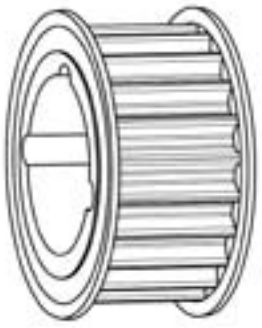
Pitch Length (mm)	Pitch Length (mm)
966	3150
1190	3360
1400	3500
1610	3850
1778	4326
1890	4578
2100	4956
2310	5320
2450	5740
2590	6160
2800	6860

Stock Widths: 20mm, 42mm, 65mm, 90mm, 120mm

In addition to our stock lineup of synchronous belts, we can manufacture additional sizes (lengths) not listed.

For full product availability and specifications, please visit www.goodyearep.com/ptp or contact a Goodyear Engineered Products sales representative.

BLACKHAWK PD® SYNCHRONOUS SPROCKETS



Part No: W38-14M-20-SF
- W38 — 38 Grooves/Teeth
- 14 — 14 mm Pitch Length
- 20 — 20 mm Width
- SF — QD Bushing

8MM SYNCHRONOUS BLACKHAWK SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
W22-8M-12**	20182589	0.9	W34-8M-60**	20182641	6.6	W64-8M-35-SK	20182713	8.8
W22-8M-22**	20182590	1.2	W36-8M-12-SH	20182647	1.3	W64-8M-60-SF	20182714	10.2
W22-8M-35**	20182591	1.6	W36-8M-22-SH	20182648	1.6	W72-8M-12-SDS	20182725	5.1
W22-8M-60**	20182592	2.3	W36-8M-35-SH	20182649	2.0	W72-8M-22-SDS	20182726	6.0
W24-8M-12-JA	20182593	0.5	W36-8M-60-SKL	20182650	2.4	W72-8M-35-SK	20182727	11.6
W24-8M-22-JA	20182594	0.7	W38-8M-12-SH	20182656	1.6	W72-8M-60-E	20182728	14.0
W24-8M-35**	20182595	2.0	W38-8M-22-SH	20182657	1.9	W80-8M-12-SDS	20182734	6.7
W24-8M-60**	20182596	2.7	W38-8M-35-SH	20182658	2.3	W80-8M-22-SDS	20182735	7.8
W26-8M-12-JA	20182597	0.6	W38-8M-60-SKL	20182659	3.0	W80-8M-35-SF	20182736	11.3
W26-8M-22-JA	20182598	0.7	W40-8M-12-SH	20182665	1.9	W80-8M-60-E	20182737	18.5
W26-8M-35**	20182599	2.4	W40-8M-22-SH	20182666	2.3	W90-8M-12-SDS	20182743	6.3
W26-8M-60**	20182600	3.3	W40-8M-35-SH	20182667	2.8	W90-8M-22-SDS	20182744	7.5
W28-8M-12-QT	20182606	0.7	W40-8M-60-SKL	20182668	3.8	W90-8M-35-SF	20182745	14.0
W28-8M-22-QT	20182607	1.1	W44-8M-12-SDS	20182674	2.1	W90-8M-60-E	20182746	24.5
W28-8M-35-QT	20182608	1.5	W44-8M-22-SDS	20182675	2.5	W112-8M-12-SK	20182557	10.6
W28-8M-60**	20182609	4.0	W44-8M-35-SD	20182676	3.8	W112-8M-22-SK	20182558	12.0
W30-8M-12-QT	20182620	0.9	W44-8M-60-SFL	20182677	4.4	W112-8M-35-SF	20182559	17.2
W30-8M-22-QT	20182621	1.3	W48-8M-12-SDS	20182683	2.6	W112-8M-60-F	20182560	53.3
W30-8M-35-QT	20182622	1.8	W48-8M-22-SDS	20182684	3.2	W144-8M-12-SK	20182566	18.5
W30-8M-60**	20182623	4.8	W48-8M-35-SD	20182685	4.9	W144-8M-22-SK	20182567	20.7
W32-8M-12-QT	20182629	1.1	W48-8M-60-SFL	20182686	6.1	W144-8M-35-E	20182568	27.5
W32-8M-22-QT	20182630	1.4	W56-8M-12-SDS	20182697	3.9	W144-8M-60-F	20182569	45.3
W32-8M-35-QT	20182631	1.6	W56-8M-22-SDS	20182698	4.5	W192-8M-12-SF	20182580	27.5
W32-8M-60**	20182632	5.7	W56-8M-35-SK	20182699	6.2	W192-8M-22-SF	20182581	30.6
W34-8M-12-SH	20182638	1.2	W56-8M-60-EL	20182700	8.4	W192-8M-35-E	20182582	46.2
W34-8M-22-SH	20182639	1.3	W64-8M-12-SDS	20182711	5.3	W192-8M-60-F	20182583	62.0
W34-8M-35-SH	20182640	1.6	W64-8M-22-SDS	20182712	6.1			

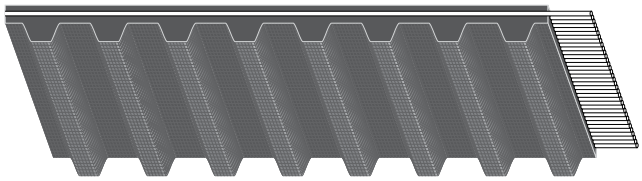
*Weight does not include bushing.
**MPB

14MM SYNCHRONOUS BLACKHAWK SPROCKETS

Part No.	SAP No.	Wt.*
W28-14M-20-SK	20182602	3.2
W28-14M-42-SK	20182603	5.1
W28-14M-65-SFL	20182604	6.7
W28-14M-90**	20182605	18.9
W28-14M-120**	20182601	21.0
W29-14M-20-SK	20182611	3.6
W29-14M-42-SK	20182612	6.2
W29-14M-65-SFL	20182613	7.2
W29-14M-90**	20182614	20.2
W29-14M-120**	20182610	22.0
W30-14M-20-SK	20182616	4.0
W30-14M-42-SK	20182617	5.5
W30-14M-65-EL	20182618	5.7
W30-14M-90-EL	20182619	7.4
W30-14M-120-EL	20182615	9.2
W32-14M-20-SK	20182625	4.9
W32-14M-42-SK	20182626	7.0
W32-14M-65-EL	20182627	7.6
W32-14M-90-EL	20182628	10.0
W32-14M-120-EL	20182624	12.8
W34-14M-20-SK	20182634	5.8
W34-14M-42-SF	20182635	7.4
W34-14M-65-EL	20182636	10.0
W34-14M-90-EL	20182637	13.2
W34-14M-120-FL	20182633	14.4
W36-14M-20-SF	20182643	6.4
W36-14M-42-SF	20182644	8.5
W36-14M-65-FL	20182645	11.4
W36-14M-90-FL	20182646	13.8
W36-14M-120-FL	20182642	17.0
W38-14M-20-SF	20182652	7.5
W38-14M-42-SF	20182653	10.2
W38-14M-65-FL	20182654	14.1
W38-14M-90-FL	20182655	17.4
W38-14M-120-FL	20182651	21.5
W40-14M-20-SF	20182661	8.6
W40-14M-42-SF	20182662	11.9
W40-14M-65-FL	20182663	17.8
W40-14M-90-FL	20182664	21.6
W40-14M-120-FL	20182660	31.9
W44-14M-20-E	20182670	12.0
W44-14M-42-E	20182671	14.6
W44-14M-65-E	20182672	17.7
W44-14M-90-FL	20182673	27.0
W44-14M-120-FL	20182669	31.9
W48-14M-20-E	20182679	14.7
W48-14M-42-E	20182680	18.8
W48-14M-65-E	20182681	23.0
W48-14M-90-FL	20182682	36.0
W48-14M-120-FL	20182678	41.3
W52-14M-20-E	20182688	17.6
W52-14M-42-E	20182689	23.0
W52-14M-65-E	20182690	28.0
W52-14M-90-F	20182691	37.0
W52-14M-120-F	20182687	43.0
W56-14M-20-E	20182693	21.0
W56-14M-42-E	20182694	27.4
W56-14M-65-F	20182695	39.0
W56-14M-90-F	20182696	44.0
W56-14M-120-F	20182692	51.1
W60-14M-20-E	20182702	25.2
W60-14M-42-E	20182703	32.2
W60-14M-65-F	20182704	46.0
W60-14M-90-F	20182705	53.0
W60-14M-120-F	20182701	59.8
W64-14M-20-E	20182707	23.0
W64-14M-42-E	20182708	28.0
W64-14M-65-F	20182709	53.7
W64-14M-90-F	20182710	60.1
W64-14M-120-J	20182706	73.0
W68-14M-20-E	20182716	25.2
W68-14M-42-E	20182717	31.2
W68-14M-65-F	20182718	46.8
W68-14M-90-F	20182719	55.0
W68-14M-120-J	20182715	84.0
W72-14M-20-E	20182721	24.4
W72-14M-42-E	20182722	30.2
W72-14M-65-F	20182723	51.1
W72-14M-90-F	20182724	61.6
W72-14M-120-J	20182720	96.0
W80-14M-20-E	20182730	28.0
W80-14M-42-E	20182731	34.0
W80-14M-65-F	20182732	53.0
W80-14M-90-J	20182733	74.7
W80-14M-120-J	20182729	84.0
W90-14M-20-E	20182739	29.4
W90-14M-42-F	20182740	43.6
W90-14M-65-F	20182741	52.3
W90-14M-90-J	20182742	67.0
W90-14M-120-M	20182738	149.0
W112-14M-20-E	20182553	39.1
W112-14M-42-F	20182554	76.9
W112-14M-65-J	20182555	82.6
W112-14M-90-J	20182556	90.6
W112-14M-120-M	20182552	147.0
W144-14M-20-E	20182562	63.3
W144-14M-42-F	20182563	111.0
W144-14M-65-M	20182564	189.0
W144-14M-90-M	20182565	199.0
W144-14M-120-M	20182561	214.0
W168-14M-20-F	20182571	131.0
W168-14M-42-F	20182572	138.0
W168-14M-65-M	20182573	196.0
W168-14M-90-M	20182574	235.0
W168-14M-120-M	20182570	273.0
W192-14M-20-J	20182576	146.0
W192-14M-42-J	20182577	157.0
W192-14M-65-M	20182578	264.0
W192-14M-90-M	20182579	279.0
W192-14M-120-N	20182575	365.0
W216-14M-20-J	20182585	171.0
W216-14M-42-J	20182586	186.0
W216-14M-65-M	20182587	303.0
W216-14M-90-M	20182588	377.0
W216-14M-120-N	20182584	423.0

*Weight does not include bushing.
**MPB

POSITIVE DRIVE Pd®



Part No: 100 XL 025

100	10.0″ Pitch Length
XL	Pitch-Trapezoidal Tooth Profile
025	.25″ Wide

SPEED, ACCURACY & DEPENDABILITY FOR PRECISION-ENGINEERED DRIVES

Goodyear Engineered Products Positive Drive belts give you the opportunity to design your drives for the speed, accuracy, and dependability consistent with the best synchronous belt drives, all without the bulk, weight, and added cost that is inherent in chain and gear power transmission systems.

Goodyear Engineered Products Pd belts have precision-molded teeth to deliver the synchronized power you need. Because they're made of specially compounded rubber, reinforced with high-strength, stable fiberglass tensile cord members, and have a long-wearing nylon facing, they are durable and provide a smooth, precise operation.

ENGINEERED FOR FULL-POWER TRANSMISSION, SMOOTH OPERATION

Our Positive Drive belts are made with world-class rubber technology which is specifically compounded to resist damaging environmental factors that can shorten belt life. Our specialized compound technology has excellent oil, heat, and ozone resistance, increasing durability and preserving belt flexibility leading to extended belt life.

AVAILABLE IN A VARIETY OF PITCHES

Goodyear Engineered Products Pd belts are available in a variety of pitches depending on the application.

APPLICATIONS

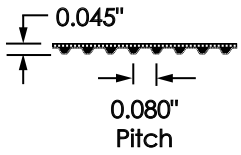
Nearly every conceivable industrial drive application where precise shaft synchronization is required. Positive Drive belts can also be used as an alternative to problem V-belt and chain drives.

- Aggregate Machinery
- Chain Drives
- Packaging Machinery
- Paper Industry Machinery
- Food Processing Equipment
- Printing Trade Machinery
- Woodworking Machinery
- Office Equipment
- Machine Tools
- Farm Machinery
- Home Appliances
- Textile Machinery
- Mining Equipment

KEY FEATURES & BENEFITS

- Universal trapezoidal tooth profiles drop into existing sprockets.
- High-grade compounding.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- Oil, heat, ozone, and abrasion resistant.
- Low-maintenance/high-efficiency rating.

POSITIVE DRIVE Pd®

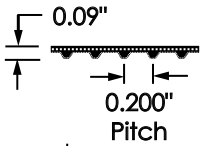


MXL (Mini Extra Light)

For small business machines, office equipment, electric equipment, etc.

13⁄16″ Pitch Standard Part Numbers		
40MXL	72MXL	112MXL
44MXL	80MXL	120MXL
48MXL	88MXL	140MXL
64MXL	96MXL	168MXL

Stock Widths* 1⁄8 inch = 012
3⁄16 inch = 019
1⁄4 inch = 025

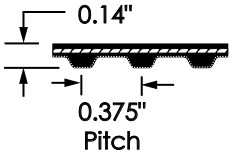


XL (Extra Light)

For business machines, instruments, sound equipment, etc.

1⁄5″ Pitch Standard Part Numbers		
50XL	190XL	350XL
60XL	200XL	370XL
70XL	210XL	380XL
80XL	220XL	390XL
90XL	230XL	400XL
100XL	240XL	420XL
110XL	250XL	450XL
120XL	260XL	460XL
130XL	280XL	480XL
140XL	290XL	500XL
150XL	300XL	570XL
160XL	310XL	630XL
170XL	330XL	770XL
180XL	340XL	

Stock Widths* 1⁄4 inch = 025
3⁄8 inch = 037

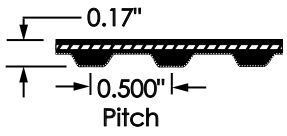


L (Light)

For fraction power-rated motor applications such as in-home appliances, small tools, pumps, blowers, etc.

3⁄8″ Pitch Standard Part Numbers		
124L	255L	450L
135L	270L	480L
150L	285L	510L
165L	300L	540L
187L	322L	600L
195L	345L	660L
210L	367L	817L
225L	390L	900L
240L	420L	

Stock Widths* 1⁄2 inch = 050
3⁄4 inch = 075
1 inch = 100

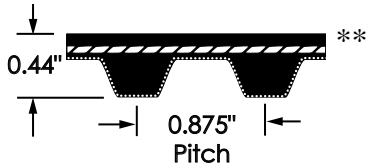


H (Heavy)

For machine tools, pumps, fans, presses, motor generator sets, etc.

1⁄2″ Pitch Standard Part Numbers		
210H	450H	730H
220H	480H	750H
230H	490H	780H
240H	510H	800H
270H	540H	820H
300H	560H	850H
320H	570H	900H
330H	585H	960H
360H	600H	1000H
390H	630H	1100H
400H	645H	1250H
410H	660H	1400H
420H	700H	1700H

Stock Widths* 3⁄4 inch = 075
1 inch = 100
1 1⁄2 inch = 150
2 inches = 200
3 inches = 300

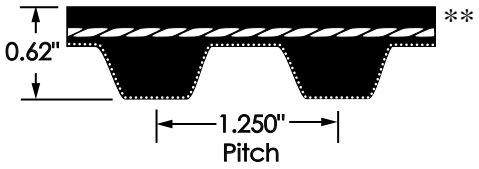


XH (Extra Heavy)

For medium torque applications on heavy industrial equipment.

7⁄8″ Pitch Standard Part Numbers		
507XH	770XH	1260XH
560XH	840XH	1400XH
630XH	980XH	1540XH
700XH	1120XH	1750XH

Stock Widths* 2 inches = 200
3 inches = 300
4 inches = 400



XXH (Double Extra Heavy)

For high torque applications on heavy industrial equipment.

1 1⁄4″ Pitch Standard Part Numbers		
700XXH	1000XXH	1600XXH
800XXH	1200XXH	1800XXH
900XXH	1400XXH	

Stock Widths* 2 inches = 200
3 inches = 300
4 inches = 400
5 inches = 500

13.00″ wide Pd sleeves are available from stock in XL, L, H, XH and XXH profiles. Please consult your PTP List Prices Pages publications for the full range of sizes.

*Stock Widths: Use the three-digit size number as a suffix to the belt number when ordering.
Note: For nonstock sizes, contact your local Goodyear Engineered Products PTP industrial distributor.

**Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

GOODYEAR ENGINEERED PRODUCTS

POSITIVE DRIVE PD® SPROCKETS

Part No: 20L050-JA
20 — 20 Teeth
L — Pitch-Trapezoidal Tooth Profile
050 — 0.50 Width
JA — Bushing

XL SYNCHRONOUS (TIMING) SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
10XL037**	20178894	0.03	21XL037**	20181963	0.19	40XL037**^	20182075	0.31
11XL037**	20178895	0.03	22XL037**	20181974	0.22	42XL037**^	20182091	0.31
12XL037**	20181888	0.06	24XL037**	20181990	0.25	44XL037**^	20182094	0.31
14XL037**	20181896	0.06	28XL037**	20182022	0.34	48XL037**^	20182104	0.38
15XL037**	20181901	0.09	30XL037**	20182035	0.41	60XL037**^	20182119	0.38
16XL037**	20181909	0.09	32XL037**^	20182041	0.22	72XL037**^	20182134	0.50
18XL037**	20181927	0.13	36XL037**^	20182060	0.30	32XL037**	20395679	0.20
20XL037**	20181950	0.19						

^Aluminum
*Weight does not include bushing.
**MPB

L SYNCHRONOUS (TIMING) SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
10L050**	20178893	0.2	22L050-JA	20181968	0.8	40L075-SDS	20182081	3.0
12L050**	20181886	0.3	22L075-JA	20181969	0.8	40L100-SDS	20182082	3.4
12L075**	20181887	0.4	22L100-JA	20181970	0.9	44L050-SDS	20182099	3.1
14L050**	20181893	0.5	24L050-SH	20181984	0.5	44L075-SDS	20182100	3.5
14L075**	20181894	0.6	24L075-SH	20181985	0.7	44L100-SDS	20182101	3.9
14L100**	20181895	0.7	24L100-SH	20181986	0.9	48L050-SDS	20182109	4.2
16L050**	20181906	0.7	26L050**	20182000	2.3	48L075-SDS	20182110	4.6
16L075**	20181907	0.8	26L050-SH	20182001	0.9	48L100-SDS	20182111	5.1
16L100**	20181908	1.0	26L075-SH	20182002	1.1	60L050-SD	20182124	5.6
17L050**	20181910	0.8	26L100-SH	20182003	1.2	60L075-SD	20182125	6.1
17L075**	20181911	1.0	28L050-SH	20182016	1.1	60L100-SD	20182126	6.7
17L100**	20181912	1.1	28L075-SH	20182017	1.3	72L050-SD	20182139	6.7
18L050-JA	20181917	0.4	28L100-SH	20182018	1.6	72L075-SD	20182140	7.6
18L075-JA	20181918	0.5	30L050-SDS	20182029	1.2	72L100-SD	20182141	7.5
18L100-JA	20181919	0.6	30L075-SDS	20182030	1.5	84L050-SD	20182153	7.9
19L050**	20181936	1.0	30L100-SDS	20182031	1.8	84L075-SD	20182154	8.7
19L075**	20181937	1.2	32L050-SDS	20182047	1.5	84L100-SD	20182155	9.6
19L100**	20181938	1.4	32L075-SDS	20182048	1.7	96L050-SD	20182167	9.6
20L050-JA	20181944	0.6	32L100-SDS	20182049	1.9	96L075-SD	20182168	10.6
20L075-JA	20181945	0.7	36L050-SDS	20182065	2.0	96L100-SD	20182169	11.6
20L100-JA	20181946	0.9	36L075-SDS	20182066	2.3	120L050-SD	20181880	12.5
21L050**	20181960	1.3	36L100-SDS	20182067	2.6	120L075-SD	20181881	13.7
21L075**	20181961	1.5	40L050-SDS	20182080	2.6	120L100-SD	20181882	15.0
21L100**	20181962	1.8						

*Weight does not include bushing.
**MPB

H Synchronous (Timing) Sprockets

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
14H100**	20181889	1.4	26H100-SDS	20181996	2.4	43H100-SK	20182093	10.0
14H100-JA	20181890	0.7	26H150-SD	20181997	3.6	44H100-SK	20182095	9.9
14H150-JA	20181891	1.0	26H200-SD	20181998	3.9	44H150-SK	20182096	10.8
14H200-JA	20181892	1.2	26H300-SD	20181999	4.7	44H200-SK	20182097	12.1
16H100-JA	20181902	0.8	27H100-SDS	20182011	2.7	44H300-SK	20182098	14.7
16H150-JA	20181903	0.8	28H100-SDS	20182012	3.0	45H100-SK	20182102	11.2
16H200-JA	20181904	1.3	28H150-SD	20182013	4.5	46H100-SK	20182103	11.8
16H300**	20181905	4.1	28H200-SD	20182014	5.1	48H100-SK	20182105	9.1
18H100-SH	20181913	1.0	28H300-SD	20182015	6.4	48H150-SK	20182106	10.5
18H150-SH	20181914	1.4	29H100-SDS	20182023	3.3	48H200-SF	20182107	14.0
18H200-SH	20181915	1.7	30H100-SD	20182025	4.6	48H300-SF	20182108	16.9
18H300**	20181916	5.4	30H150-SD	20182026	5.3	60H100-SF	20182120	11.1
19H100**	20181932	3.0	30H200-SD	20182027	6.0	60H150-SF	20182121	12.8
19H150**	20181933	3.7	30H300-SD	20182028	7.6	60H200-SF	20182122	15.9
19H200**	20181934	4.6	31H100-SD	20182040	4.9	60H300-SF	20182123	20.0
19H300**	20181935	6.2	32H100-SK	20182043	4.1	72H100-SF	20182135	16.9
20H100**	20181939	3.4	32H150-SK	20182044	5.2	72H150-SF	20182136	18.9
20H100-SH	20181940	1.4	32H200-SK	20182045	5.8	72H200-SF	20182137	19.9
20H150-SH	20181941	1.8	32H300-SK	20182046	7.6	72H300-SF	20182138	24.0
20H200-SH	20181942	2.2	33H100-SK	20182053	5.0	84H100-SF	20182149	21.0
20H300**	20181943	7.0	34H100-SK	20182054	5.4	84H150-SF	20182150	23.0
21H100-SH	20181956	1.5	35H100-SK	20182059	5.9	84H200-SF	20182151	27.0
21H150**	20181957	4.8	36H100-SK	20182061	5.8	84H300-SF	20182152	32.0
21H200**	20181958	5.6	36H150-SK	20182062	6.6	96H100-SF	20182163	25.0
21H300**	20181959	7.5	36H200-SK	20182063	7.6	96H150-SF	20182164	28.0
22H100-SDS	20181964	1.5	36H300-SK	20182064	9.6	96H200-E	20182165	35.0
22H150-SD	20181965	2.2	37H100-SK	20182071	6.8	96H300-E	20182166	42.0
22H200-SD	20181966	2.7	38H100-SK	20182073	7.3	120H100-SF	20178896	31.0
22H300-SD	20181967	3.6	39H100-SK	20182074	7.8	120H150-SF	20178897	36.0
23H100-SDS	20181979	1.7	40H100-SK	20182076	8.4	120H200-E	20178898	47.0
24H100-SDS	20181980	1.9	40H150-SK	20182077	9.1	120H300-E	20178899	55.0
24H150-SD	20181981	2.8	40H200-SK	20182078	10.2	156H100-SF	20181897	45.8
24H200-SD	20181982	3.3	40H300-SK	20182079	12.3	156H150-SF	20181898	52.0
24H300-SD	20181983	4.3	41H100-SK	20182090	8.9	156H200-E	20181899	68.0
25H100-SDS	20181995	2.1	42H100-SK	20182092	9.4	156H300-E	20181900	79.0

*Weight does not include bushing.
**MPB

XH Synchronous (Timing) Sprockets

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
18XH200-SK	20181920	6.8	30XH200-E	20182032	20.8	72XH200-F	20182142	59.7
18XH300-SK	20181921	9.4	30XH300-E	20182033	25.6	72XH300-J	20182143	78.8
18XH400**	20181925	19.2	30XH400-E	20182034	30.0	72XH400-J	20182144	93.0
20XH200-SK	20181947	7.9	32XH200-E	20182050	24.0	84XH200-F	20182156	68.7
20XH300-SK	20181948	10.2	32XH300-E	20182051	30.0	84XH300-J	20182157	92.0
20XH400-SK	20181949	12.5	32XH400-E	20182052	35.0	84XH400-J	20182158	107.0
22XH200-SK	20181971	10.7	36XH200-E	20182068	27.0	96XH200-F	20182170	83.7
22XH300-SK	20181972	13.9	36XH300-E	20182069	33.0	96XH300-J	20182171	106.0
22XH400-SK	20181973	16.5	36XH400-E	20182070	39.0	96XH400-J	20182172	129.8
24XH200-SF	20181987	12.3	40XH200-F	20182083	40.0	120XH200-F	20181883	107.9
24XH300-SF	20181988	16.0	40XH300-F	20182084	52.7	120XH300-J	20181884	142.9
24XH400-SF	20181989	19.2	40XH400-F	20182085	57.8	120XH400-J	20181885	165.5
26XH200-SF	20182004	14.7	48XH200-F	20182112	49.0			
26XH300-SF	20182005	16.7	48XH300-F	20182113	57.0			
26XH400-SF	20182006	22.7	48XH400-J	20182114	65.0			
28XH200-E	20182019	16.9	60XH200-F	20182127	48.0			
28XH300-E	20182020	20.0	60XH300-F	20182128	59.9			
28XH400-E	20182021	23.9	60XH400-J	20182129	78.0			

*Weight does not include bushing.

**MPB

XXH Synchronous (Timing) Sprockets

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
18XXH200-SK	20181928	16.1	26XXH200-E	20182007	35.1	48XXH200-J	20182115	73.0
18XXH300-SF	20181929	19.6	26XXH300-E	20182008	43.3	48XXH300-J	20182116	90.0
18XXH400-SF	20181930	24.0	26XXH400-F	20182009	57.2	48XXH400-J	20182117	104.0
18XXH500**	20181931	48.6	26XXH500-F	20182010	61.0	48XXH500-M	20182118	154.0
20XXH200-SK	20181951	19.8	30XXH200-F	20182036	48.0	60XXH200-J	20182130	93.0
20XXH300-SF	20181952	25.2	30XXH300-F	20182037	64.6	60XXH300-J	20182131	112.0
20XXH400-SF	20181953	31.1	30XXH400-F	20182038	67.0	60XXH400-M	20182132	169.0
20XXH500**	20181954	61.0	30XXH500-J	20182039	93.0	60XXH500-M	20182133	195.0
22XXH200-E	20181975	23.8	34XXH200-F	20182055	57.0	72XXH200-J	20182145	111.0
22XXH300-E	20181976	30.0	34XXH300-F	20182056	68.0	72XXH300-J	20182146	142.0
22XXH400-E	20181977	36.2	34XXH400-J	20182057	86.0	72XXH400-M	20182147	224.0
22XXH500-E	20181978	42.5	34XXH500-J	20182058	97.0	72XXH500-M	20182148	231.9
24XXH200-E	20181991	29.5	40XXH200-F	20182086	60.0	90XXH200-J	20182159	140.9
24XXH300-E	20181992	36.9	40XXH300-F	20182087	75.8	90XXH300-J	20182160	192.8
24XXH400-E	20181993	44.4	40XXH400-J	20182088	96.0	90XXH400-M	20182161	259.0
24XXH500-F	20181994	56.0	40XXH500-J	20182089	110.0	90XXH500-M	20182162	314.0

*Weight does not include bushing.

**MPB

L Taper-Lock Timing Sprockets

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
TL18L050 1008	20182508	0.5	TL22L100 1008	20182524	1.3	TL28L075 1610	20182544	1.2
TL18L075 1008	20182509	0.5	TL24L050 1210	20182529	1.0	TL28L100 1610	20182545	1.7
TL18L100 1008	20182510	0.7	TL24L075 1210	20182530	1.0	TL30L050 1610	20182546	1.5
TL20L050 1008	20182515	0.7	TL24L100 1210	20182531	1.3	TL30L075 1610	20182547	1.5
TL20L075 1008	20182516	0.7	TL26L050 1210	20182536	1.2	TL30L100 1610	20182548	2.2
TL20L100 1008	20182517	1.0	TL26L075 1210	20182537	1.2	TL32L050 1610	20182549	1.9
TL22L050 1008	20182522	0.9	TL26L100 1210	20182538	1.7	TL32L075 1610	20182550	1.9
TL22L075 1008	20182523	0.9	TL28L050 1210	20182543	1.2	TL32L100 1610	20182551	2.7

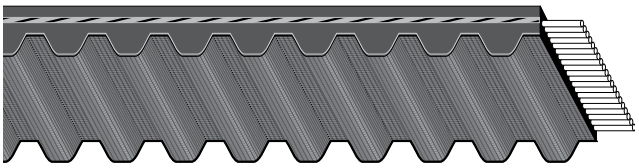
*Weight does not include bushing.

H Taper-Lock Timing Sprockets

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
TL14H100 1008	20182499	0.8	TL20H150 1215	20182512	2.3	TL24H300 2012	20182528	4.5
TL14H150 1008	20182500	1.0	TL20H200 1215	20182513	2.7	TL26H100 2012	20182532	2.4
TL16H100 1008	20182501	1.3	TL20H300 1215	20182514	4.0	TL26H150 2012	20182533	3.4
TL16H150 1008	20182502	1.5	TL22H100 1610	20182518	1.8	TL26H200 2012	20182534	3.8
TL16H200 1008	20182503	1.9	TL22H150 1615	20182519	2.7	TL26H300 2012	20182535	5.6
TL18H100 1210	20182504	1.2	TL22H200 1615	20182520	3.0	TL28H100 2012	20182539	3.0
TL18H150 1215	20182505	1.7	TL22H300 1615	20182521	4.2	TL28H150 2012	20182540	4.3
TL18H200 1215	20182506	1.9	TL24H100 1610	20182525	1.8	TL28H200 2012	20182541	5.3
TL18H300 1215	20182507	2.7	TL24H150 2012	20182526	2.4	TL28H300 2012	20182542	7.0
TL20H100 1210	20182511	1.7	TL24H200 2012	20182527	2.8			

*Weight does not include bushing.

SUPER TORQUE Pd®



Part No: 100S4.5M175

100	10mm Width
S	Super Torque Positive Drive Belt
4.5M	4.5mm Pitch – Modified Round Tooth Profile
175	175mm Pitch Length

BUILT FOR STRENGTH & ENDURANCE

Super Torque Pd belts are designed for high-capacity performance. They are also made of the highest quality materials.

The tensile members are made from high-strength, stable fiberglass. They have excellent flex life and are resistant to elongation. The backing is made of our proprietary compound technology that is highly heat-resistant and shear-resistant. And the nylon facing is fabricated to provide low friction interface between belt and sprocket.

A DIFFERENT POSITIVE DRIVE TOOTH DESIGN

Goodyear Engineered Products Super Torque Pd belt tooth carries some significant advantages over competitive synchronous belts. You can run your finger along the bottom of the tooth and feel the flat surface. When the belt engages the uniquely designed pulley profile, forces are distributed throughout the entire belt tooth to disperse critical stresses over more area, resulting in reduced tooth shear and longer life.

The pulley for our Super Torque Pd belt has an arch in the bottom of the grooves that projects up to support the belt tooth. This support from the pulley is the key dynamic feature to increased belt capabilities. Together, the pulley and tooth of the Super Torque Pd belt extend the possibilities at both ends of the design spectrum.

All Super Torque Pd belts are nonstock. Standard factory lead times will apply. Minimums apply. Contact your local Goodyear Engineered Products PTP industrial distributor.

APPLICATIONS

Nearly every conceivable industrial drive application where precise shaft synchronization is required. Super Torque Pd belts can also be used as an alternative to problem V-belt and chain drives.

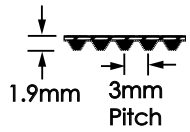
- Milling Machines
- Engine Accessory Drives
- Internal Combustion Engines
- Timers or Controllers
- Compressors
- Wood Chippers
- Conveyors
- Debarkers
- Lathes
- Shapers
- Textile Machinery
- Mixers

KEY FEATURES & BENEFITS

- Unique tooth profile for quiet tooth engagement.
- Improved horsepower capacity over standard HTD profiles.
- High-grade compound.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- Oil, heat, ozone, and abrasion resistant.
- Mating sprockets required.
- Low-maintenance/high-efficiency rating.

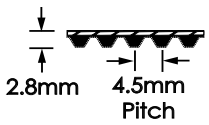
SUPER TORQUE Pd®

S3M



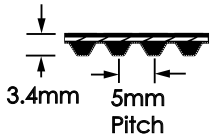
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
S3M120	40	S3M252	84	S3M363	121	S3M501	167
S3M150	50	S3M264	88	S3M384	128	S3M537	179
S3M177	59	S3M276	92	S3M420	140	S3M564	188
S3M201	67	S3M300	100	S3M459	153	S3M633	211
S3M225	75	S3M339	113	S3M486	162		

S4.5M



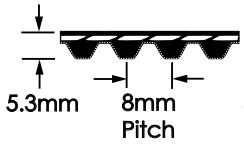
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
S4.5M175	39	S4.5M247	55	S4.5M306	68	S4.5M504	112
S4.5M180	40	S4.5M297	66	S4.5M342	76	S4.5M621	138
S4.5M225	50						

S5M



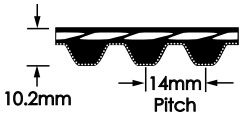
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
S5M255	51	S5M475	95	S5M700	140	S5M1270	254
S5M295	59	S5M500	100	S5M750	150	S5M1350	270
S5M325	65	S5M525	105	S5M800	160	S5M1420	284
S5M350	70	S5M560	112	S5M850	170	S5M1800	360
S5M375	75	S5M575	115	S5M900	180	S5M2000	400
S5M400	80	S5M600	120	S5M950	190	S5M2770	554
S5M425	85	S5M625	125	S5M1000	200		
S5M435	87	S5M650	130	S5M1050	210		
S5M450	90	S5M675	135	S5M1125	225		

S8M



Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
S8M440	55	S8M824	103	S8M1120	140	S8M1488	186
S8M448	56	S8M840	105	S8M1136	142	S8M1544	193
S8M480	60	S8M848	106	S8M1160	145	S8M1552	194
S8M496	62	S8M880	110	S8M1176	147	S8M1600	200
S8M512	64	S8M896	112	S8M1184	148	S8M1680	210
S8M528	66	S8M920	115	S8M1200	150	S8M1696	212
S8M560	70	S8M928	116	S8M1208	151	S8M1760	220
S8M576	72	S8M936	117	S8M1224	153	S8M1800	225
S8M592	74	S8M944	118	S8M1248	156	S8M2000	250
S8M600	75	S8M960	120	S8M1256	157	S8M2032	254
S8M632	79	S8M976	122	S8M1264	158	S8M2240	280
S8M648	81	S8M984	123	S8M1280	160	S8M2272	284
S8M656	82	S8M992	124	S8M1304	163	S8M2392	299
S8M680	85	S8M1000	125	S8M1312	164	S8M2400	300
S8M688	86	S8M1024	128	S8M1360	170	S8M2496	312
S8M712	89	S8M1032	129	S8M1384	173	S8M2600	325
S8M720	90	S8M1040	130	S8M1400	175	S8M2800	350
S8M752	94	S8M1056	132	S8M1432	179	S8M3200	400
S8M760	95	S8M1072	134	S8M1440	180		
S8M800	100	S8M1096	137	S8M1480	185		

S14M*



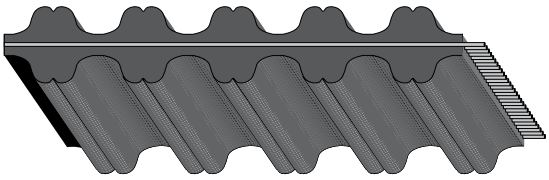
Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
S14M1120	80	S14M1778	127	S14M2310	165	S14M3500	250
S14M1190	85	S14M1890	135	S14M2450	175	S14M3850	275
S14M1400	100	S14M2002	143	S14M2590	185	S14M4004	286
S14M1540	110	S14M2100	150	S14M2800	200	S14M4508	322
S14M1610	115	S14M2240	160	S14M3150	225	S14M5012	358

*Static conductive

Note: All Super Torque Pd belts are nonstock. Standard factory lead times will apply. Mandrel quantity minimums apply. Other sizes available upon request.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

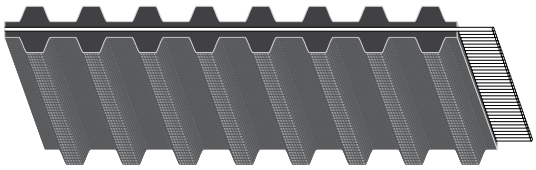
Dual Hi-Performance Pd® & Dual Positive Drive



Dual Hi-Performance Pd

Part No: D10408M20

D	Dual Sided
1040	1040 mm Pitch Length
8M	8mm Pitch – Round Tooth Profile
20	20mm Wide



Dual Positive Drive

Part No: D225L050

D	Dual Sided
225	22.5″ Pitch Length
L	L Pitch – Trapezoidal Tooth Profile
050	.50″ Wide

Applications

For precision drives where synchronized reverse rotation drive shafts are encountered and compactness is desired.

Key Features & Benefits

- Dual-sided teeth versatility in 8M, 14M, XL, L, and H profiles.
- High-grade compounding.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- More compact drive designs.
- Oil, heat, ozone, and abrasion resistant.

Improved Efficiency With Dual Synchronous Belts

Goodyear Engineered Products dual synchronous belts have precision teeth on both sides. This allows the design of more sophisticated, more efficient, and more compact drives where a single belt is needed to provide accurate timing from either side, rotation direction changes, or both.

Since a Dual Hi-Performance Pd or Dual Positive Drive belt can replace two or more single-sided synchronous belts, less space is needed. This reduction in space means smaller sprockets can be used, bringing the weight and component cost of the drive system down considerably, contributing to a more efficient drive system.

Dual Hi-Performance Pd Belts— 8M & 14M Profiles

Dual Hi-Performance Pd belts, with their unique round tooth profile, drop into corresponding HTD sprockets. They were designed to minimize interference between belt and sprocket during mesh, providing greater horsepower capacity without slippage or speed variation. By designing the tooth to disperse critical stresses and create a positive engagement with the sprocket, belt performance is improved along with assuring longer belt life.

Dual Positive Drive Belts— XL, L, & H Profiles

Goodyear Engineered Products Dual Positive Drive belts drop into existing trapezoidal profiled sprockets.

High-Strength Tension Cords

The tension-carrying member in Dual HPPD and Dual Positive Drive belts is twisted from multiple strands of fiberglass cord which are high in tensile strength, flex life, and resistance to elongation.

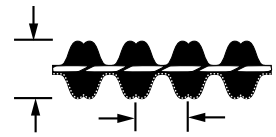
Advanced Compound Technology For Long Life

Our dual synchronous belts are made with specialized compound technology designed to resist damaging environmental factors that can shorten belt life. This compound technology has excellent oil, heat, ozone, and abrasion resistance, increasing durability and preserving belt flexibility leading to extended belt life.

To learn more visit www.goodyearep.com/ptp.

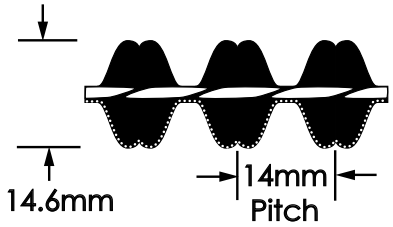
DUAL HI-PERFORMANCE Pd® & DUAL POSITIVE DRIVE

DUAL HI-PERFORMANCE Pd



8M

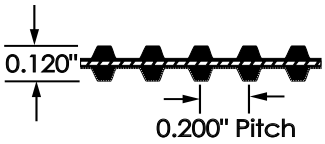
Part Number	No. of Teeth	Part Number	No. of Teeth
D720 8M	90	D2000 8M	250
D800 8M	100	D2400 8M	300
D880 8M	110	D2600 8M	325
D960 8M	120	D2800 8M	350
D1040 8M	130	D3048 8M	381
D1120 8M	140	D3280 8M	410
D1200 8M	150	D3600 8M	450
D1280 8M	160	D4400 8M	550
D1440 8M	180		
D1600 8M	200	Available in 20, 30, 50 & 85mm widths.	
D1760 8M	220		
D1800 8M	225		



14M

Part Number	No. of Teeth	Part Number	No. of Teeth
D1400 14M	100	D3850 14M	275
D1610 14M	115	D4326 14M	309
D1778 14M	127	D4578 14M	327
D1890 14M	135	D6160 14M	440
D2100 14M	150		
D2450 14M	175	Available in 40, 55, 85 & 115mm widths.	
D3150 14M	225		
D3500 14M	250		

DUAL POSITIVE DRIVE



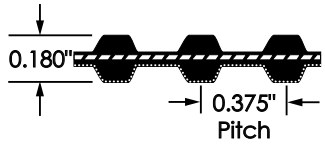
XL (Extra Light)

1/5 inch pitch

For business machines, instruments, sound equipment, etc.

XL Part Numbers		
D60XL	D170XL	D290XL
D70XL	D180XL	D300XL
D80XL	D190XL	D310XL
D90XL	D200XL	D330XL
D100XL	D210XL	D362XL
D110XL	D220XL	D392XL
D120XL	D230XL	D450XL
D130XL	D240XL	D492XL
D140XL	D250XL	D690XL
D150XL	D260XL	D900XL
D160XL	D280XL	

Stock Widths* 1/4 inch=025, 3/8 inch=037



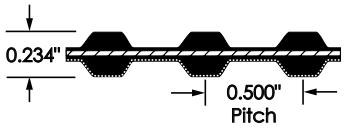
L (Light)

3/8 inch pitch

For fraction power-rated motor applications such as in-home appliances, small tools, pumps, etc.

L Part Numbers		
D124L	D270L	D420L
D150L	D285L	D450L
D187L	D300L	D480L
D210L	D322L	D510L
D225L	D345L	D540L
D240L	D367L	D600L
D255L	D390L	D660L

Stock Widths* 1/2 inch=050, 3/4 inch=075, 1 inch=100



H (Heavy)

1/2 inch pitch

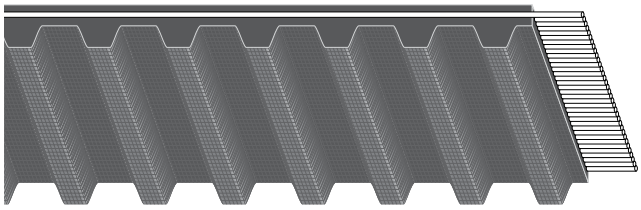
For machine tools, pumps, fans, presses, motor generator sets, etc.

H Part Numbers		
D240H	D510H	D800H
D270H	D540H	D850H
D300H	D560H	D900H
D330H	D570H	D1000H
D360H	D600H	D1100H
D390H	D630H	D1250H
D420H	D660H	D1400H
D450H	D700H	D1700H
D480H	D750H	

Stock Widths* 3/4 inch=075, 1 inch=100, 1 1/2 inch=150, 2 inches=200, 3 inches=300

*Stock Widths: Use the three-digit size number as a suffix to the belt number when ordering. For nonstock sizes, contact your local Goodyear PTP industrial distributor.
Note: Other sizes available upon request.

Open End Pd®



Part No: XL 075
XL Pitch-Trapezoidal Tooth
075 0.75″ Wide

Your Choice for Speed, Accuracy & Dependability

In power transmission or synchronization applications such as conveying, linear motion, or positioning, Goodyear Engineered Products Open End Pd belts are the economical and trouble-free drive solution.

Economy is derived from the Open End Pd belt's reduced bulk weight and lower costs compared to chain drives. Precision-molded teeth efficiently deliver the required power while running smoother and quieter than chain drives. They require less maintenance, as well as provide more design options.

Goodyear Engineered Products Open End Pd belts are available in Hawk Pd®, Falcon HTC®, Positive Drive Pd®, Super Torque Pd® and Metric T Pd® constructions. Regardless of the application, the entire product line is designed to provide increased belt life, reduced overall costs, and lower noise generation. In short, Open End Pd synchronous belts give you the power to drive your designs better than ever.

Applications

For synchronized applications.

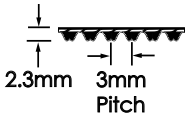
- Elevation Mechanisms
- Linear Motion Drives
- Open/Close Mechanisms
- Reciprocating Drives
- Replaces Chain Applications
- Synchronized Tracking
- Positioning Drives
- Metering Drives
- Conveying Drives
- Reversing Drives
- Fixed Center Drives

Key Features & Benefits

- Wide load range available from various cross sections.
- High power-to-weight ratio allows for lighter metallic or nonmetallic pulleys for greater weight savings.
- Provides space-saving design opportunities using small pulleys, short centers, and narrow belts.
- Smooth engagement of belt and pulley eliminates chatter and vibration.
- Low noise improves aesthetic acceptance of equipment.
- Requires no lubrication or retensioning.

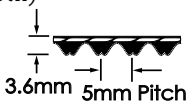
To learn more visit www.goodyearep.com/ptp.

Hawk Pd (Round Tooth)



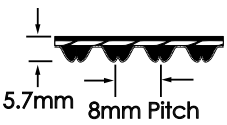
3 M

Part No.	Roll Length (ft)	Roll Length (m)
3M06	285	87
3M09	190	58
5M06	935	285
5M09	620	189
5M15	367	112
5M25	217	66



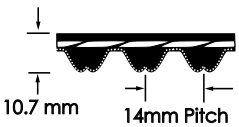
5 M

Part No.	Roll Length (ft)	Roll Length (m)
8M10	633	193
8M15	420	128
8M20	312	95
8M25	246	75
8M30	203	62
8M40	151	46
8M50	92	28



8 M

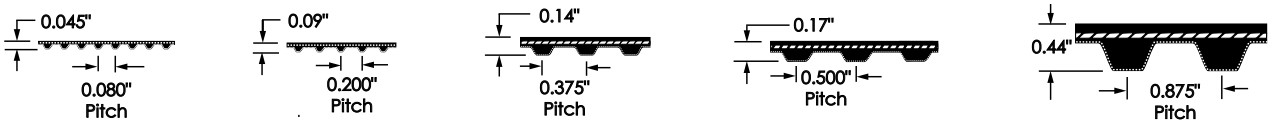
Part No.	Roll Length (ft)	Roll Length (m)
8M75	56	17
14M25	308	94
14M40	184	56
14M55	128	39
14M85	75	23
14M115	49	15



14 M

OPEN END Pd®

POSITIVE DRIVE (Trapezoidal Tooth)

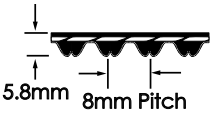


MXL* XL L H XH*

Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)
XL037	711	217	H050	551	168	H200	123	37
L050	516	157	H075	361	110	H300	75	23
L075	338	103	H100	266	81			
L100	249	76	H150	170	52			

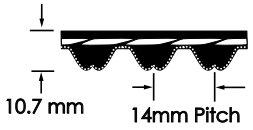
*MXL and XH profiles available as special order only. Standard factory lead times will apply. Minimums apply. Contact your local Goodyear Power Transmission Products Distributor.

FALCON HTC®



8M (8 mm Pitch)

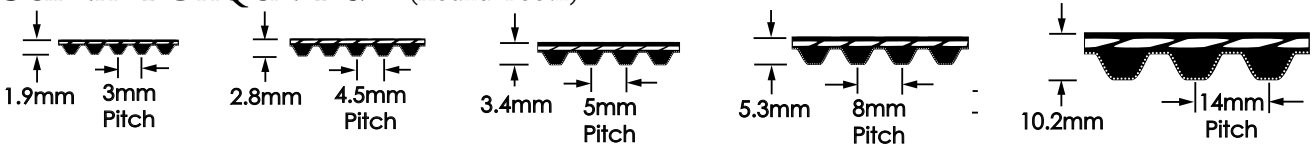
Part Number	Roll Length (ft)	Roll Length (m)
8GTR-12	436	133
8GTR-21	243	74
8GTR-36	135	41
8GTR-62	72	22



14M (14 mm Pitch)

Part Number	Roll Length (ft)	Roll Length (m)
14GTR-20	253	77
14GTR-37	128	39
14GTR-68	62	19

SUPER TORQUE Pd® (Round Tooth)



S3M S4.5M S5M S8M S14M

Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)
50S3M	289	88	150S5M	413	126	350S8M	174	53
60S3M	240	73	250S5M	246	75	400S8M	151	46
90S3M	157	48	100S8M	633	193	250S14M	225	69
100S3M	144	44	150S8M	420	128	400S14M	135	41
60S45M	236	72	175S8M	358	109	500S14M	104	32
100S45M	141	43	200S8M	312	95	600S14M	85	26
60S5M	1050	320	250S8M	246	75			
100S5M	627	191	300S8M	203	62			

METRIC T Pd® (Trapezoidal Tooth)

Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)	Part No.	Roll Length (ft)	Roll Length (m)
6T5	217	66	16T10	249	76	32T10	121	37
7T5	187	57	20T10	197	60	25T20	128	39
10T5	131	40	25T10	157	48			
15T10	266	81	30T10	131	40			

GOODYEAR ENGINEERED PRODUCTS

POLYURETHANE BELTS

ELATECH®* DISTRIBUTED BY VEYANCE TECHNOLOGIES

APPLICATIONS

Polyurethane belts can be used in open end, jointed/spliced or truly endless configurations in a variety of applications.

Typical applications for the open end configuration are in linear motion devices and other drives where precise motion is required.

Typical applications for the spliced configuration are in light conveyors and other material process and transfer industries.

Truly endless due to having no splice or welding; are ideal in high load conveying or power transmission applications.

KEY FEATURES & BENEFITS

- Polyurethane material resists flaking, has higher dimensional stability, and has superior wear and abrasion resistance.
- Higher flexibility

BELTING FOR A WIDE VARIETY OF APPLICATIONS

ELATECH, distributed by Veyance Technologies, is a full line of polyurethane belting covering a full range of applications – linear motion, conveying and power transmission.

ELATECH's polyurethane belts are a combination of a polyurethane body reinforced with special steel or aramid tension members to fulfill the most severe industrial requirements.

Available product styles include:

iSync – Truly Endless Sleeves
ELATECH M – Open End
ELATECH V – Spliced
ELA-flex SD™ – Truly Endless

iSync truly endless sleeves can be cut and shipped in any size – usually in 24 hours. Advanced design is ideal for difficult environments where high precision is needed and cleanliness is critical, as well as heavy-duty conveying drives with special backing or cleats. ELATECH M, ELATECH V and ELA-flex SD™ complete the full line by providing a more customized solution with a broad range of timing belt pitches and a variety of application-specific backings.

WIDE RANGE OF BACKINGS AND CLEAT ATTACHMENTS

The unique chemical and mechanical characteristics of polyurethane belts along with the possibility of a variety of backings are ideal for conveying applications.

It is possible to attach a variety of cleats on all of ELATECH's polyurethane belts for conveying, handling and positioning.

BELT CONSTRUCTION ENGINEERED FOR EXCELLENCE

ELATECH belts are manufactured with a body of thermoplastic polyurethane providing superior wear and abrasion resistance. It can be an ideal choice where cleanliness is critical. The precise manufacturing process, coupled with the polyurethane belt material, ensures a reliable and dimensionally stable product.

The tension members are high tensile steel that offer excellent dimensional stability for accurate positioning and less maintenance. Construction with special cords is available upon request.

A special polyamide fabric on the tooth facing (special order) can reduce friction, improve tooth engagement and reduce noise.

BUILT FOR EXTREME CONDITIONS

The chemical properties of polyurethane belting make them highly resistant to:

- Hydrolysis
- Ozone
- UVA
- Aging
- Oils, greases and fats
- Gasoline
- Good resistance to acids

ELATECH's product line has a working temperature range of 15°F to 175°F (peaks up to 230°F).

MORE INFORMATION

Full product offering, technical data and drive data can be obtained in the ELATECH Polyurethane Belts catalog.

*ELATECH is a trademark of ELATECH S.r.l.

Contact your local Goodyear Engineered Products PTP industrial distributor or go to www.goodyearep.com/ptp to locate one.

GOODYEAR ENGINEERED PRODUCTS

POLYURETHANE BELTS

ELATECH®* DISTRIBUTED BY VEYANCE TECHNOLOGIES

Available Sizes

T

T2.5 Width (mm)	T5 Width (mm)	T10 Width (mm)	T20 Width (mm)
4	10	10	25
6	12	16	32
10	16	20	50
20	20	25	5
50	25	32	100
100	32	50	150
	50	75	
	75	100	
	100	150	

AT

AT5 Width (mm)	AT10 Width (mm)	AT20 Width (mm)
10	10	25
12	16	32
16	25	50
20	32	75
25	50	100
32	75	150
50	100	
75	150	
100		

iSYNC-TRULY ENDLESS

Profile	Available Lengths (mm)	Available Max. Widths (mm)
T2.5	120 – 950	300-400
T5	165 – 1440	
T10	260 – 2250	
AT5	330 – 1050	
AT10	560 – 1940	

ATL

ATL5 Width (mm)	ATL10 Width (mm)	ATL20 Width (mm)
10	10	25
12	16	32
16	25	50
20	32	75
25	50	100
32	75	150
50	100	

HTD

HTD3M Width (mm)	HTD5M Width (mm)	HTD8M Width (mm)	HTD14M Width (mm)
10	10	10	40
15	15	15	55
25	25	20	85
50	50	30	100
100	100	50	115
		85	
		100	

RTD

RTD5M Width (mm)	RTD8M Width (mm)	RTD14M Width (mm)
10	10	40
15	15	55
25	20	85
50	30	100
100	50	115
	85	
	100	

STD

STD5M Width (mm)	STD8M Width (mm)
10	10
15	15
25	20
50	30
100	50
	85
	100

FLAT

F1 Width (mm)	F2 Width (mm)	F3 Width (mm)
10	25	25
25	50	50
50	75	75
100	100	100

INCH

XL Width (mm)	L Width (mm)	H Width (mm)	XH Width (mm)
6.35	12.7	12.7	25.4
9.4	19.05	19.05	38.1
12.7	25.4	25.4	50.8
19.05	38.1	38.1	76.2
25.4	20.8	20.8	101.6
38.1	101.6	76.2	
50.8		101.6	
101.6			

TK

TK-K6 Width (mm)	TK10-K13 Width (mm)
16	25
25	32
32	50
50	75
75	100
100	

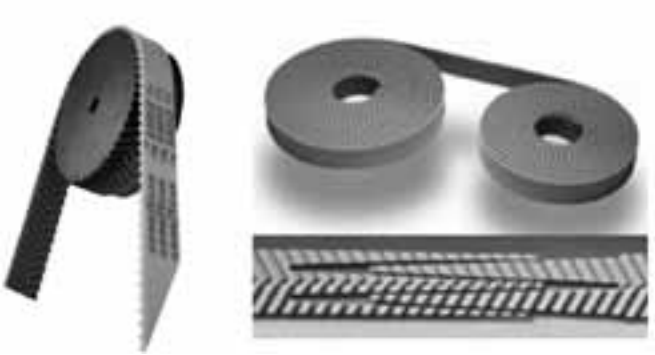
ATK

ATK5-K6 Width (mm)	ATK10-K13 Width (mm)
16	25
25	32
32	50
50	75
75	100
100	

*ELATECH is a trademark of ELATECH S.r.l.

GOODYEAR ENGINEERED PRODUCTS

EAGLE Pd® ACCULINEAR®



Part No: Y-8-PU-16-STD

Y	Alphabetical designation denotes belt width (Y=16 mm Wide Belt)
8	8mm Belt Pitch
PU	Polyurethane
16	Belt Width (16mm)
STD	Standard Construction

APPLICATIONS

Eagle Pd Acculinear belts can be used in open-end or spliced configurations in a variety of applications.

Typical applications for the open-end configuration are in linear motion devices and other drives where precise motion is required.

Typical application for the spliced configuration are in light conveyors and other material processing and transfer industries.

KEY FEATURES & BENEFITS

- Polyurethane material resists flaking, has higher dimensional stability, and has superior wear and abrasion resistance.
- Self-tracking and compact drives.
- Less vibration and reduced noise.
- High flexibility.
- High-precision linear positioning.

THE BENEFITS OF EAGLE SYNCHRONOUS BELTS... NOW IN POLYURETHANE MATERIAL

Eagle Pd Acculinear combines the advantages of polyurethane with the unique H.O.T. (Helical Offset Tooth) geometry for a low-maintenance belt that resists wear. Polyurethane belts resist flaking, offer high resistance to oils, fats and greases, and are more abrasion-resistant than rubber products. With high flexibility and long life, Eagle Pd Acculinear is a revolutionary choice for a wide range of applications.

SELF-TRACKING SPROCKET

When it comes to performance, Eagle Pd Acculinear belts and sprockets are right on track. The key to success lies in the system's patented H.O.T. geometry. With this self-tracking configuration, the sprocket's left and right helixes guide the thermoplastic polyurethane belt to the center of the Eagle Pd Acculinear sprocket. And there it remains: no waste, no wander, just improved efficiency and wear resistance in a compact design. The H.O.T. geometry eliminates belt wander and the need for flanges. As a result, Eagle Pd Acculinear sprockets can be used on slider bed applications where flanges would normally protrude above the bed surface.

LOW VIBRATION

Eagle Pd Acculinear and the H.O.T. design minimize belt vibration on flat pulleys used on the entry and exit of slider beds. The belt moves progressively over straight edges, reducing noise and vibration.

The tooth geometry eliminates the chordal effect that occurs around the tooth sprocket and reduces drive vibration.

H.O.T. GEOMETRY DELIVERS QUIETER DRIVE

This innovative polyurethane belt and sprocket system uses our proprietary technology to deliver noise levels far below the industry standard. The unique design of Eagle Pd Acculinear belts and sprockets is the reason for the system's superior noise reduction. The self-tracking belt is guided to the center of the sprocket—delivery that smooths out tooth engagement unlike any other tooth geometry.

BELT CONSTRUCTIONS ENGINEERED FOR EXCELLENCE

The tooth and backing material are made of thermoplastic polyurethane, which provides superior wear and abrasion resistance. It's an ideal choice in applications where cleanliness is critical. The precise manufacturing process, coupled with the polyurethane belt material, ensures a reliable and dimensionally stable product.

The tension members are high tensile steel and offer excellent dimensional stability for accurate positioning and less maintenance.

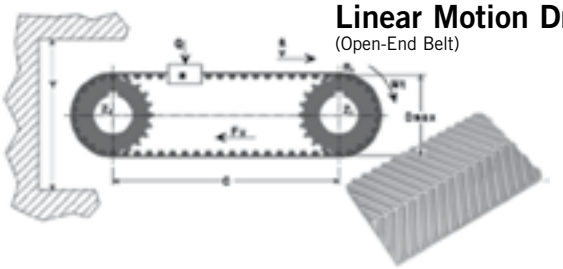
The tooth facing offers reduced coefficient of friction with the sprocket and also provides wear and abrasion protection.

EAGLE Pd® ACCULINEAR®

OPEN-END BELT CONFIGURATION

Eagle Pd Acculinear belts are manufactured in open-end rolls with a standard roll length of 300 feet. The belt is manufactured with the tension members lying parallel to the belt edge so that the load is equally distributed across all tension members. A common application of open-end belts is in linear motion drives. Clamping plates are available for open-end Eagle Pd Acculinear belts to mechanically join the belt's ends.

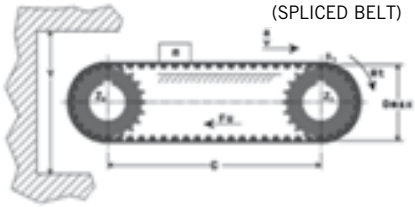
Linear Motion Drive
(Open-End Belt)



SPLICED BELT CONFIGURATION

Lengths of open-end Eagle Pd Acculinear can also be thermetically spliced to obtain any continuous length of endless belting. These spliced Eagle Pd Acculinear belts are primarily used in light conveyor applications, where long endless belts are required.

Linear Conveyance Application
(SPLICED BELT)



SPROCKETS

Eagle Pd Acculinear Sprockets for the polyurethane belt line are available for all eight belt widths in a wide range of diameters.

The Eagle Pd Acculinear product shares the same sprockets as the rubber Eagle NRG™ product. The only exception is with the "M" (25mm width) and the "L" (50mm width) sprockets. These two widths are stocked in aluminum and are offered in a limited size range. All other sprocket widths are stocked either in ductile or cast iron. Refer to the "Eagle Pd Acculinear Sprocket" section for more information.

SPECIAL BELT CONSTRUCTIONS

In addition to the standard belt construction (polyurethane backing material), Eagle Pd Acculinear is available in a variety of special constructions. Several materials can be applied to the back of the belt to enhance its performance in specific drive environments. These backing materials are typically used when special characteristics are required on the back of the belt to transfer specific materials in conveyor applications.

A number of special backings are available on request. Refer to the appropriate engineering manual or to the Web site for more information on these special backings.

Eagle Pd Acculinear is available in 8 standard widths
(in 8 and 14mm pitch configurations)

Sample Part Number
Y - 8 - Pu - 16 - Std
Belt Type: Open-End
Belt Length: 800mm

Y = Eagle Pd 16mm Wide Belt
8 = 8mm Pitch
PU = Polyurethane
16 = Belt Width, in mm
STD = Belt Construction (STD = Standard Construction)

	Alphabet Designation (denotes belt width, e.g.: Y = 16mm wide belt)		Belt Pitch (8mm or 14mm)		PU for Polyurethane		Belt Width in mm
1:	Y	-	8	-	PU	-	16
2:	M	-	8	-	PU	-	25
3:	W	-	8	-	PU	-	32
4:	L	-	8	-	PU	-	50
5:	B	-	14	-	PU	-	35
6:	G	-	14	-	PU	-	52.5
7:	O	-	14	-	PU	-	70
8:	R	-	14	-	PU	-	105

State Belt Construction
State "Open-End" or "Spliced"
State Belt Pitch Length

EAGLE Pd® ACCULINEAR®

EAGLE Pd ACCULINEAR SPROCKETS FOR 25MM WIDE BELT

Sprocket Face Width (F) = 26mm, Pitch = 8mm

Sprocket Part Number	Hub*	Bore Range (inches) MIN.	Bore Range (inches) MAX.	No. of Teeth	Type*	Pitch Diameter (inches)	O	I	E	H	T	L	Material	Wt. (lbs)	Approx. WR² (lbs.-ft²)
							(inches) (Refer to Type I below)								
M-20S-MPB	MPB	0.5000	1.0630	20	1	2.0050	1.9508	-	0.4700	1.6000	-	1.5000	Al	0.33	0.0009
M-22S-MPB	MPB	0.5000	1.2200	22	1	2.2060	2.1513	-	0.4700	1.8100	-	1.5000	Al	0.41	0.0015
M-24S-MPB	MPB	0.5000	1.3390	24	1	2.4060	2.3518	-	0.6300	2.0100	-	1.6500	Al	0.55	0.0023
M-26S-MPB	MPB	0.5000	1.5350	26	1	2.6070	2.5523	-	0.6300	2.2800	-	1.6500	Al	0.68	0.0034
M-28S-MPB	MPB	0.5000	1.6140	28	1	2.8070	2.7528	-	0.6300	2.4400	-	1.6500	Al	0.80	0.0047
M-30S-MPB	MPB	0.5000	1.7720	30	1	3.0080	2.9533	-	0.6300	2.6400	-	1.6500	Al	0.93	0.0063
M-32S-MPB	MPB	0.5000	1.8900	32	1	3.2080	3.1538	-	0.6300	2.8300	-	1.6500	Al	1.08	0.0083
M-34S-MPB	MPB	0.5000	2.0080	34	1	3.4090	3.3543	-	0.6300	3.0300	-	1.6500	Al	1.23	0.0108
M-36S-MPB	MPB	0.5000	2.1650	36	1	3.6090	3.5549	-	0.6300	3.2300	-	1.6500	Al	1.40	0.0138
M-38S-MPB	MPB	0.5000	2.2830	38	1	3.8100	3.7554	-	0.6300	3.4300	-	1.6500	Al	1.57	0.0174
M-40S-MPB	MPB	0.5000	2.4410	40	1	4.0100	3.9559	-	0.6300	3.6200	-	1.6500	Al	1.75	0.0217
M-56S-MPB**	MPB	0.5000	3.5040	56	1	5.6140	5.5600	-	0.6300	5.2400	-	1.6500	Al	3.53	0.0903
M-90S-MPB**	MPB	1.0000	2.8740	90	2	9.0230	8.9686	8.0299	0.6300	4.7200	0.3150	1.6500	Al	5.29	0.2867

**These sprocket sizes are nonstock items.

EAGLE Pd ACCULINEAR SPROCKETS FOR 50MM WIDE BELT

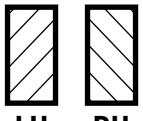
Sprocket Face Width (F) = 51 mm, Pitch = 8 mm

Sprocket Part Number	Hub*	Bore Range (inches) MIN.	Bore Range (inches) MAX.	No. of Teeth	Type*	Pitch Diameter (inches)	O	I	E	H	T	L	Material	Wt. (lbs)	Approx. WR² (lbs.-ft²)
							(inches) (Refer to Type I below)								
L-20S-MPB	MPB	0.500	1.063	20	1	2.005	1.9508	-	0.4700	1.6000	-	2.4800	Al	0.55	0.0027
L-22S-MPB	MPB	0.500	1.220	22	1	2.206	2.1513	-	0.4700	1.8100	-	2.4800	Al	0.69	0.0036
L-24S-MPB	MPB	0.500	1.339	24	1	2.406	2.3518	-	0.6300	2.0100	-	2.6400	Al	0.90	0.0054
L-26S-MPB	MPB	0.500	1.535	26	1	2.607	2.5523	-	0.6300	2.2800	-	2.6400	Al	1.10	0.0072
L-28S-MPB	MPB	0.500	1.614	28	1	2.807	2.7528	-	0.6300	2.4400	-	2.6400	Al	1.29	0.0089
L-30S-MPB	MPB	0.500	1.772	30	1	3.008	2.9533	-	0.6300	2.6400	-	2.6400	Al	1.51	0.0111
L-32S-MPB	MPB	0.500	1.890	32	1	3.208	3.1538	-	0.6300	2.8300	-	2.6400	Al	1.74	0.0138
L-34S-MPB	MPB	0.500	2.008	34	1	3.409	3.3543	-	0.6300	3.0300	-	2.6400	Al	1.99	0.0179
L-36S-MPB	MPB	0.500	2.165	36	1	3.609	3.5549	-	0.6300	3.2300	-	2.6400	Al	2.25	0.0228
L-38S-MPB	MPB	0.500	2.283	38	1	3.810	3.7554	-	0.6300	3.4300	-	2.6400	Al	2.53	0.0287
L-40S-MPB	MPB	0.500	2.441	40	1	4.010	3.9559	-	0.6300	3.6200	-	2.6400	Al	2.83	0.0357
L-56S-MPB**	MPB	0.500	3.504	56	1	5.614	5.5600	-	0.6300	5.2400	-	2.6400	Al	5.65	0.1470
L-90S-MPB**	MPB	1.000	2.874	90	2	9.023	8.9686	8.0299	0.6300	4.7200	0.3937	2.6400	Al	8.16	0.4820

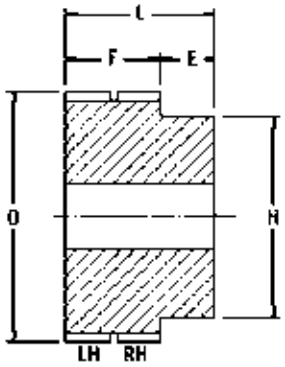
**These sprocket sizes are nonstock items.

Notes:

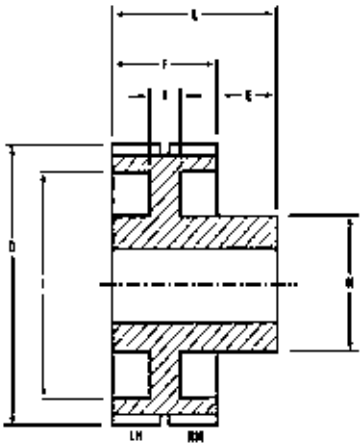
1. Al = Aluminum (uncoated).
2. Sprockets are only available in MPB.
3. The "L"(50mm width) and "M" (25mm width) belts are nonstock items which need to be quoted and may have a longer lead time.
4. Sprocket dimensions and material are subject to change.
5. Please contact your Goodyear Engineered Products PTP industrial distributor for sprocket sizes and materials not listed in this manual or visit goodyearep.com to locate one.



LH is the left-hand helix.
RH is the right-hand helix.
Note: For proper installation, orientation of teeth must be in the same direction on all sprockets in the drive.



*Type I Web

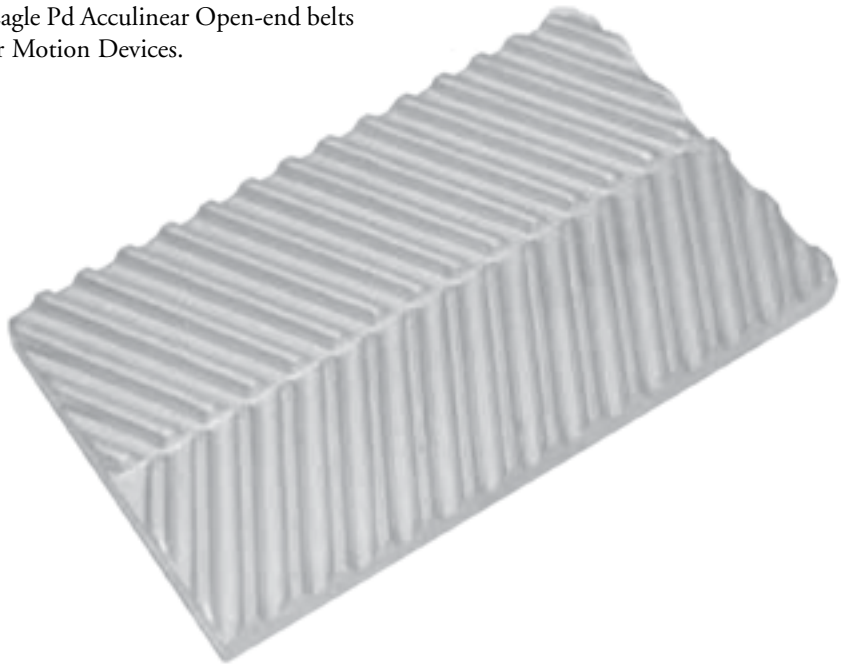


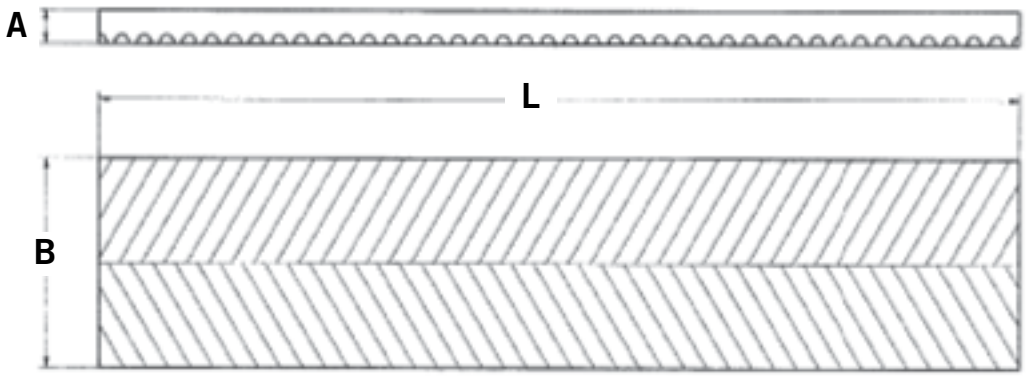
*Type II Web

EAGLE Pd® ACCULINEAR®

ACCULINEAR CLAMPING PLATES

Clamping Plates are available for Eagle Pd Acculinear Open-end belts to allow them to be used in Linear Motion Devices.





	Belts	Clamping Plates				
		A (mm)	B (mm)	L (mm)	Material	Part Number
1:	Y-8-PU-16	12	75	120	AL	Eagle Pd — 8mm — Clamping Plate
2:	M-8-PU-25	12	75	120	AL	
3:	W-8-PU-32	12	75	120	AL	
4:	L-8-PU-50	12	75	120	AL	
5:	B-14-PU-35	18	130	200	AL	Eagle Pd — 14mm — Clamping Plate
6:	G-14-PU-52.5	18	130	200	AL	
7:	O-14-PU-70	18	130	200	AL	
8:	R-14-PU-105	18	130	200	AL	

AL = Aluminum

Banded Belts

Because of their banded or joined construction, these belts tend to prevent rollover and reduce vibration tendencies. Banded belts are usually better suited to unusual drive situations than are matched belt sets. They are available in the classical cross sections (A, B, C, & D), narrow cross sections (3V, 5V, & 8V), and Poly-V® cross sections (H, J, L, & M).

Classical & Narrow Banded V-Belts

Typical applications for banded V-belts include vertical shaft drives, clutching drives, and V-flat drives. (V-belt drives are where the inside of the belt drives a flat pulley on the slower speed shaft.)

Banded V-belts are recommended for use where belt vibration or belt whip causes unsatisfactory results when conventional multiple single V-belts are used. Such situations are not uncommon on drives with a combination of long belt spans and/or pulsating loads as created by an internal combustion engine or reciprocating pumps and compressors. In such cases, belt whip may become so severe that belts interface with each other and turn over in the grooves or even jump out of the grooves. Banded V-belts eliminate such problems.

Another advantage of banded V-belts is the considerable degree of design flexibility they can provide since they operate just as effectively when they, in turn, are used as match sets. A two-belt unit for example, has sufficient lateral rigidity so as to not interface with the units in adjacent grooves.

Torque Team Plus® (Flexten®-Reinforced Banded V-Belts)

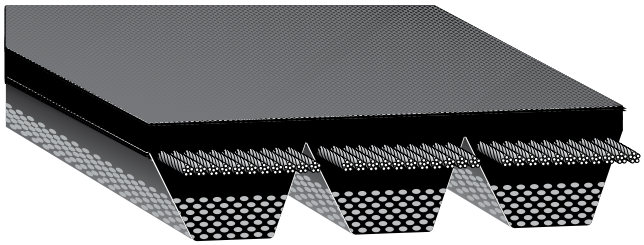
These belts are available for low-speed, high-power applications which were previously considered to be in the domain of chain or gears. Flexten-reinforced Torque Team Plus 5V and 8V banded belts are ideally suited to handle many of the applications that have been reserved for chain or gears.

Poly-V (V-Ribbed)

Poly-V belts are flat belts with a series of longitudinal ribs on the driving face that mate with grooves in the sheave rim. Relatively thin, with a well-supported tensile member, these belts perform better than V-belts on drives with small sheave, high speeds, reverse bends, and high-speed ratios. Poly-V belts generally run smoother than V-belts, and their low weight makes them suitable for high-speed drives.

Three cross sections, designated J, L, and M, handle the same range of industrial applications as narrow or classical belts. A smaller section, H, is used for small sheave and miniature drives. Finally, the K section Poly-V is often located in the Automotive industry.

TORQUE TEAM® (LAMINATED)



Part No: 3/5VL800

3/	3 Rib Joined Construction
5V	0.62″ Top Width – Narrow Profile Rib
L	Laminated Construction
800	80.0″ Nominal Outside Length

SOLVE THE TOUGHEST SAWMILL DRIVE PROBLEMS

Goodyear Engineered Products Torque Team Laminated V-belts are particularly effective when installed on drives that experience frequent slippage caused by logs and heavy lumber that jam or impact the equipment.

REDUCE DOWNTIME & MAINTENANCE

Goodyear Engineered Products Torque Team Laminated V-belts can withstand the punishment that results from jams in log and lumber processing applications.

Standard V-belts resist slipping when a jam occurs, causing excessive heat buildup that can lead to belt failure and costly downtime. But that won't happen with Torque Team Laminated V-belts on the job.

The special sidewall of Torque Team Laminated V-belts acts as a control switch, allowing the belts to slip as needed until the obstruction is cleared. As a result, the superior wear-resistant capabilities of Torque Team Laminated V-belts are maintained, increasing belt life up to four times longer than standard V-belts.

HIGH STRENGTH FOR LONG LIFE

Goodyear Engineered Products Torque Team Laminated V-belts feature our powerful Vytacord® tensile members. Vytacord provides high strength and horsepower ratings, yet serves as a more forgiving reinforcement that will give under excessive tension instead of snapping. That means increased belt life.

Sizes		
5VL800	5VL1000	5VL1250
5VL850	5VL1060	5VL1320
5VL900	5VL1120	5VL1700
5VL950	5VL1180	

APPLICATIONS

Some of the most common drives recommended for consideration include:

- Debarkers
- Chip-n-Saws
- Cut-Off Saws
- Chippers
- Gang Saws
- Deck Saws
- Trimmers

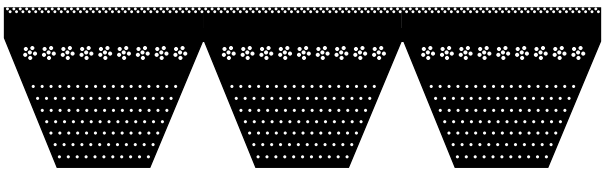
KEY FEATURES & BENEFITS

- Narrow profile ribs provide savings through efficiency.
- Joined construction for problem drives.
- High horsepower capacity.
- High-strength Vytacord tensile members.
- Laminated construction engineered to slip.
- Tough fabric backing.
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.*

AVAILABLE IN A WIDE VARIETY OF SIZES

Goodyear Engineered Products Torque Team Laminated V-belts are available in the 5VL belt cross section and in most standard lengths. The 5VL laminated V-belt is interchangeable with all standard 5V and 5VX V-belts currently found on these drives. They can also be cut to a variety of rib widths, depending on your drive requirements. This ensures a perfectly-matched set of V-belts that can further enhance drive performance.

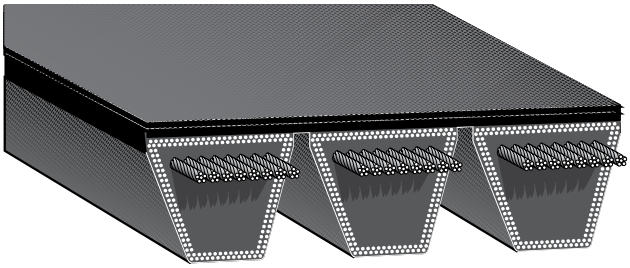
5VL CROSS SECTION VIEW



For longer 5V, as well as 3V and 8V laminated profiles not listed here, contact your Goodyear Engineered Products PTP industrial distributor.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HY-T® Wedge Torque Team®



Part No: 3/8V1900

3/	3 Rib Joined Construction
8V	1.00″ Top Width – Narrow Profile Rib
1900	190.0″ Nominal Outside Length
	Single Envelope Ply on 5Vs
	2 Envelope Plies on 8Vs
	Envelope Uncogged Construction Shown

Tame Your Problem Drives

Pulsation, vibration, shock loads, and misalignment are problems for any team of V-belts, no matter how perfectly matched the individual units. These conditions often lead to chronic belt whip or to belt turnover, resulting in premature wear or sudden failure of one or more belts. Of course, when one belt goes, the whole team has to be replaced.

HY-T Wedge Torque Team belts are built with multiple belts joined by a tough, rubber-impregnated fabric backing that regulates belt travel so all ribs pull together as a single, perfectly matched team. Yet each rib is free to wedge into the sheave groove for maximum traction, maximum power, and transmission efficiency.

Operating in standard sheave grooves without sheave or drive modification, they can tame any problem drives now in operation. Or they can fit right in with your new drive designs without special modifications.

Designed & Built to Deliver Superior Performance

V-belt performance begins with the tension members, so we built HY-T Wedge Torque Team V-belts with super strong Vytacord. It provides the high-strength, high-horsepower rating capacity needed to effectively transmit drive power. And it's tough enough to tolerate the misalignment that quickly destroys belts. The Vytacord material is a polyester construction with excellent strength and minimal elongation. Drive performance is consistent, reliable, and predictable over the life of the belt.

We then add a tough oil-and abrasion-resistant fabric backing to provide maximum longitudinal flexibility and lateral strength to withstand the dynamic forces acting within a joined belt. The backing also has special adhesion characteristics that enable it to bond to the V-sections to maintain the integrity of the belt.

Applications

For shock load applications. Ideal for pulsating loads, high capacity drives, and for short-center, heavy-duty drives.

Key Features & Benefits

- Narrow profile ribs provide savings through efficiency.
- Joined construction for problem drives.
- Strong Vytacord® tensile members.
- Tough fabric backing.
- Oil, heat, ozone, and abrasion resistant.
- Available in raw edge construction with cogs or envelope construction.
- Matchmaker® to eliminate mismatch.
- Static conductive.*

The cushion is made of fiber-reinforced, engineered compounds providing oil, heat, ozone, and abrasion resistance.

Wedge or Envelope Constructions Provide Optimum Performance

HY-T Wedge Torque Team belts are available in a raw edge construction with cogs for increased flexibility and heat dissipation or envelope construction for drives where pulsation, shock loads, high tension, and long center are involved.

HY-T Wedge Torque Team Cogged belts have high-horsepower belt construction and are identified with a 3VX or 5VX prefix and are available in lengths up to 140″. The cogged construction provides the high flexibility required for short center distances. The cogs also provide a larger surface area to dissipate heat and prolong belt life. Improved material properties and advanced construction technology result in an average horsepower increase of 30% over standard joined "Classical" V-belts.

HY-T Wedge Torque Team Envelope belts are identified with a 3V, 5V, or 8V prefix and are recommended for drives where pulsation, shock loads, high tension, and long centers are involved. They feature a continuous V-section that is protected by a wide angle, synthetic fabric-impregnated, high-quality rubber compound. The unique envelope achieves the high strength that the HY-T Wedge Torque Team belts need to withstand high loading forces. It also helps provide the torsional rigidity in long center drives delivering the traction needed for accurate tracking and precision performance.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HY-T® Wedge Torque Team®

Matchmaker® Performance

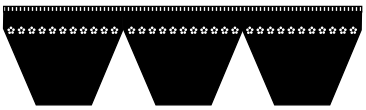
Our Matchmaker technology results in belt consistency run to run. That means each HY-T Wedge Torque Team is equal in size and performance to every other HY-T Wedge Torque Team belt in that size, no matter when or where it was produced.

By eliminating mismatch problems, there is no costly and complicated belt matching to get a drive back on line; no problems with belts that are too tight or too loose.

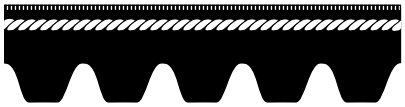
Available in the Most Extensive Stock Line in the Industry

HY-T Wedge Torque Team belts are available from stock in any number of belts per team, up to the number of ribs indicated. Nonstock lengths are also available in these rib counts, up to a maximum of 730″ (180″ for 3V cross sections).

Envelope
5V, 8V Cross Section



Cut Edge
3VX, 5VX Cross Section



Cut Edge Side View

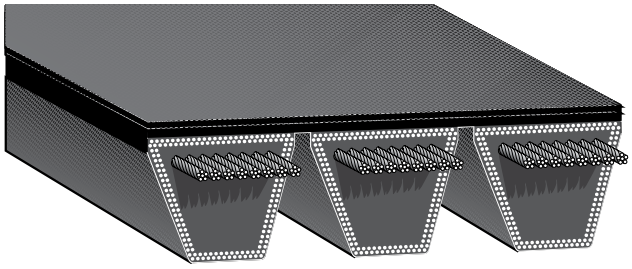
Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
3VX250	90	3VX400	90	3VX630	90	3VX950	90
3VX265	90	3VX425	90	3VX670	90	3VX1000	90
3VX280	90	3VX450	90	3V670	90	3VX1060	90
3VX300	90	3VX475	90	3VX710	90	3VX1120	90
3VX315	90	3VX500	90	3VX750	90	3VX1180	90
3VX335	90	3VX530	90	3VX800	90	3VX1250	90
3VX355	90	3VX560	90	3VX850	90	3VX1320	90
3VX375	90	3VX600	90	3VX900	90	3VX1400	90

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
5VX500	53	5VX850	53	5V1120	42	5V2000	42
5VX530	53	5V850	42	5VX1180	53	5V2120	42
5VX560	53	5VX900	53	5V1180	42	5V2240	42
5VX600	53	5V900	42	5VX1250	53	5V2360	42
5VX630	53	5VX950	53	5VX1320	53	5V2500	42
5VX670	53	5V950	42	5VX1400	53	5V2650	42
5VX710	53	5VX1000	53	5V1500	42	5V2800	42
5VX750	53	5V1000	42	5V1600	42	5V3000	42
5V750*	53	5VX1060	53	5V1700	42	5V3150	42
5VX800	53	5V1060	42	5V1800	42	5V3350	42
5V800	42	5VX1120	53	5V1900	42	5V3550	42

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
8V1000	14	8V1600	24	8V2500	24	8V4000	24
8V1060	14	8V1700	24	8V2650	24	8V4250	24
8V1120	14	8V1800	24	8V2800	24	8V4500	24
8V1180	14	8V1900	24	8V3000	24	8V4750	24
8V1250	24	8V2000	24	8V3150	24	8V5000	24
8V1320	24	8V2120	24	8V3350	24	8V5600	24
8V1400	24	8V2240	24	8V3550	24	8V6000	24
8V1500	24	8V2360	24	8V3750	24		

*Cut edge, non-cogged.

TORQUE TEAM PLUS®



Part No: 3/5VF2000

3/	3 Rib Joined Construction
5V	0.62″ Top Width – Narrow Profile Rib
F	Torque Team Plus With Flexten® Tensile Member
2000	200.0″ Nominal Outside Length
	Single Envelope Ply on 5Vs, 2 Envelope Plies on 8Vs

APPLICATIONS

Ultimate upgrade belt; for all heavy-duty industrial machinery and equipment. Ideal for operation in harsh elements on the toughest high horsepower drives.

- Crushers
- Saws
- Sanders
- Blow Tanks
- Washers
- Screens
- Lathes
- Dryers
- Chain Drives

KEY FEATURES & BENEFITS

- Narrow profile ribs provide savings through efficiency.
- Joined construction for problem drives.
- Up to 50% more horsepower capacity.
- High-strength Flexten tensile members.
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.*

PERFORMANCE PLUS FOR HIGH HORSEPOWER DRIVES

Torque Team Plus belts are our highest capacity V-belts and known for strength, durability, and performance.

Their tension members are Flexten or aramid cable cords. They are twisted from aramid fiber which is five times stronger than steel, then are treated for improved adhesion, improved flex life, and increased resistance to shrinkage. Torque Team Plus belts exhibit only one half of the initial elongation of other belts and maintain greater dimensional stability over the life of the belt. They stand up to higher horsepower, high-tension drive requirements, shock loads, and abusive installations better than standard joined belts, multiple V-belt teams, or chain and sprocket drives.

The cushion is made of a highly engineered compound that resists harsh operating environments and compression fatigue. The envelope is also rubber compound-impregnated to protect the carcass from abrasion, heat, ozone and oil. Together, these components offer a strong, flexible, efficient belt with extended service life.

THE ADVANTAGES OF TORQUE TEAM PLUS BELTING

With Torque Team Plus, there's less cost involved in the drive design due to the fact that each belt can handle a given load with a narrower width belt than either multiple V-belt or chain and sprocket drives. This means that there is less cost incurred for the drive medium (belts/chains), less cost for the narrower sheaves and pulleys they use, and less cost for the downtime and labor involved in the retensioning required by both multiple V-belt and chain belt drives. There is no need for the lubricants and lubrication system that chain drives need. These are some very clear advantages, especially when you consider that you get these savings along with a dramatic performance advantage.

There is also less weight because the smaller sheaves used for drives using Torque Team Plus belts are a dramatic 50% lighter than a sheave required to drive an equal horsepower multiple V-belt drive. When compared to an equal horsepower chain drive, the sheave weighs an incredible 65% less than the sprocket required for the chain drive.

Torque Team Plus is more compact. In fact, a typical Torque Team Plus belt is only one-third the width of an equivalent multiple V-belt team. It needs 17% less space than an equivalent chain drive.

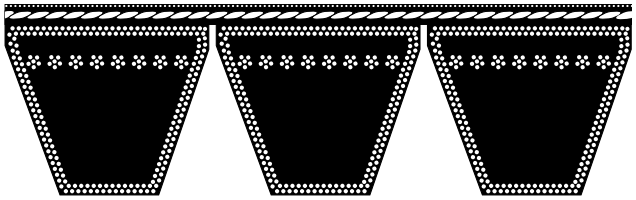
And since Torque Team Plus belts give you all the advantages of the joined principal (smooth tracking, no belt turnover, no matching problems, less belt threatening vibration, even and consistent tensioning), there is less maintenance required.

PREMIUM TORQUE TEAM PLUS BELTS REQUIRE ADEQUATE SHEAVES

The high strength of Torque Team Plus belts provides exceptional high-torque capabilities and horsepower ratings. These high belt capacities may exceed standard sheave capabilities. To assure safety and satisfactory drive operation, consult your sheave supplier for sheave recommendations.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

TORQUE TEAM PLUS®



5VF & 8VF CROSS SECTION VIEW

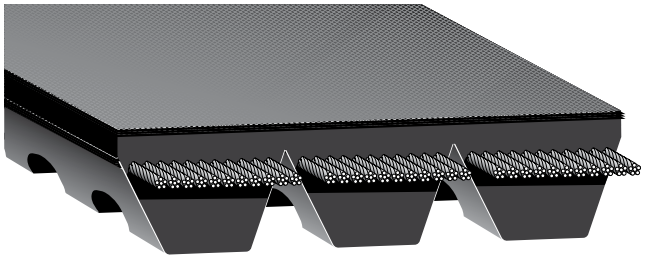
BELT CROSS SECTIONS & LENGTHS AVAILABLE

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
5VF900	42	5VF1400	42	5VF2240	42	5VF3550	42
5VF950	42	5VF1500	42	5VF2360	42		
5VF1000	42	5VF1600	42	5VF2500	42		
5VF1060	42	5VF1700	42	5VF2650	42		
5VF1120	42	5VF1800	42	5VF2800	42		
5VF1180	42	5VF1900	42	5VF3000	42		
5VF1250	42	5VF2000	42	5VF3150	42		
5VF1320	42	5VF2120	42	5VF3350	42		

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
8VF1250	24	8VF2000	24	8VF3150	24	8VF5000	24
8VF1320	24	8VF2120	24	8VF3350	24	8VF5600	24
8VF1400	24	8VF2240	24	8VF3550	24	8VF6000	24
8VF1500	24	8VF2360	24	8VF3750	24		
8VF1600	24	8VF2500	24	8VF4000	24		
8VF1700	24	8VF2650	24	8VF4250	24		
8VF1800	24	8VF2800	24	8VF4500	24		
8VF1900	24	8VF3000	24	8VF4750	24		

Torque Team Plus was designed to belt a drive with one band. They are not to be used in matching sets.

HY-T® Torque Team® (Classical)



Part No: 3/BX112

3/	3 Rib Joined Construction
B	0.66″ Top Width – Classical Profile Rib
X	Premium Cogged Construction
112	Approximate 112″ Inside Length
	Cut-Edge, Molded Cog Construction Shown

Applications

For shock load applications. Ideal for pulsating loads, high-capacity drives, and short center heavy-duty drives.

Key Features & Benefits

- Classical profile ribs.
- Joined construction for problem drives.
- High-strength Vytacord tensile members.
- Available in cut-edge or envelope construction with Plioflex cushion.
- Tough fabric backing.
- Heat, ozone, and abrasion resistant.
- Matchmaker to eliminate mismatch.
- Static conductive.*

Designed & Built to Deliver Superior Performance

HY-T Torque Team Classical belts are built with strong Vytacord® tension members. This provides the high-strength, high-horsepower rating capacity needed to effectively transmit drive power. And it's tough enough to tolerate the misalignment that quickly destroys belts. The Vytacord material has a very good dimensional stability. Drive performance is consistent, reliable, and predictable over the life of the belt.

We then add a tough oil- and abrasion-resistant fabric backing to provide maximum longitudinal flexibility and lateral strength to withstand the dynamic forces acting within a joined belt. The backing also has special adhesion characteristics that enable it to bond inseparably to the V-sections to maintain the unitary integrity of the belt.

The cushion in the envelope construction is fiber-loaded Plioflex®. Cut-edge constructions have a fiber-loaded, latest-technology compound that contributes heat and oil resistance and strength.

Cut-Edge or Envelope Construction Provide Optimum Performance

HY-T Torque Team Classical belts are available in a cut-edge construction with cogs for increased flexibility and heat dissipation or envelope construction for drives where pulsation, shock loads, high tension, and long centers are involved.

HY-T Torque Team Cogged belts are high horsepower belt constructions identified with a BX or CX prefix and are available in lengths up to 136″. The cogged construction provides the high flexibility required for short center distances. The cogs also provide a larger surface area to dissipate heat and to prolong belt life.

HY-T Torque Team Envelope belts are identified with a B or C prefix and both cogged and non-cogged are static conductive. They are recommended for drives where pulsation, shock loads, high tension, and long centers are involved.

Matchmaker® Performance

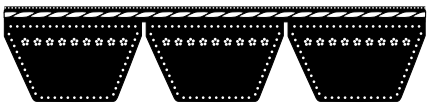
Our Matchmaker technology results in belt consistency run to run. That means each HY-T Torque Team Classical belt is equal in size and performance to every other HY-T Torque Team Classical belt in that size, no matter when or where it was produced.

By eliminating mismatch problems, there is no costly and complicated belt matching to get a drive back on line; no problems with belts that are too tight or too loose.

To learn more visit www.goodyearep.com/ptp.

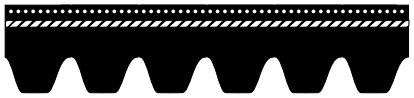
*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HY-T® TORQUE TEAM® (CLASSICAL)



ENVELOPE CROSS SECTION

CUT-EDGE CROSS SECTION



CUT-EDGE SIDE VIEW

B PROFILE

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
BX35	49	BX65	49	BX90	49	B112	38
BX38	49	BX66	49	BX93	49	B114	38
BX42	49	BX67	49	BX95	49	B115	38
BX43	49	BX68	49	BX96	49	B116	38
BX46	49	BX70	49	BX97	49	B118	38
BX48	49	BX71	49	BX99	49	B140	38
BX50	49	BX72	49	BX100	49	B144	38
BX51	49	BX73	49	BX103	49	B148	38
BX52	49	BX74	49	BX105	49	B150	38
BX53	49	BX75	49	BX108	49	B158	38
BX54	49	BX77	49	BX112	49	B162	38
BX55	49	BX78	49	BX120	49	B173	38
BX56	49	BX79	49	BX124	49	B180	38
BX57	49	BX80	49	BX128	49	B195	38
BX58	49	BX81	49	BX133	49	B210	38
BX59	49	BX82	49	BX136	49	B225	38
BX60	49	BX83	49	*B55	49	B240	38
BX61	49	BX84	49	*B56	49	B255	38
BX62	49	BX85	49	B96	38	B270	38
BX63	49	BX87	49	B103	38	B300	38
BX64	49	BX88	49	B105	38	B315	38

* Cut-edge non-cogged.

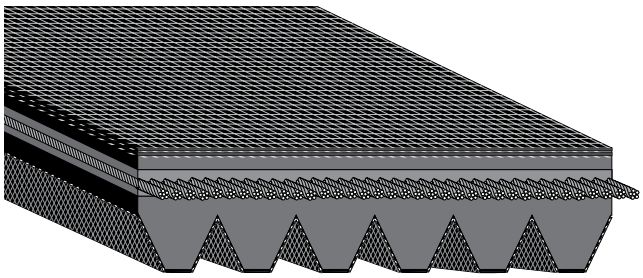
C PROFILE

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
CX60	36	CX109	36	C112	26	C270	26
CX68	36	CX112	36	C144	26	C285	26
CX75	36	CX120	36	C158	26	C300	26
CX81	36	CX124	36	C162	26	C315	26
CX85	36	CX128	36	C173	26	C330	26
CX90	36	CX136	36	C180	26	C345	26
CX96	36	C85	26	C195	26	C360	26
CX99	36	C90	26	C210	26	C390	26
CX100	36	C96	26	C225	26	C420	26
CX105	36	C105	26	C240	26		
CX108	36	C109	26	C255	26		

D PROFILE

Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab	Part Number	Max No. Ribs per Slab
D120	10	D210	18	D315	18	D480	18
D144	18	D225	18	D330	18	D540	18
D158	18	D240	18	D345	18	D600	18
D162	18	D255	18	D360	18	D660	18
D173	18	D270	18	D390	18		
D180	18	D285	18	D420	18		
D195	18	D300	18	D450	18		

POLY-V®



Part No: 180J6

18.0″	Nominal Outside Length
J	J Section Poly-V
6	6 Ribs

APPLICATIONS

For small sheave compact designs requiring limited vibration. Ideal for high-speed ratio drives with short center distances.

- Exercise Equipment
- Medical Equipment
- Farm Equipment
- Automobiles
- Power Equipment
- Machine Tools

KEY FEATURES & BENEFITS

- Multiple V-ribbed profile provides friction and wedge advantages.
- High-grade engineered rubber.
- Strong Vytacord® tensile member.
- L & M cross sections are milled in shorter lengths and are molded in longer lengths.
- Heat, ozone, and abrasion resistant.

ONE BELT THAT CAN DO THE WORK OF MANY

The Poly-V belt is a single, endless belt with longitudinal V-shaped ribs that mate consistently with the V-grooves in the sheaves. It combines the convenience of a thin, one-piece flat belt with the strong gripping traction of multiple V-belts to make the Poly-V belt far better than either for many applications.

ONE CONTINUOUS TENSION MEMBER FOR MATCHLESS PERFORMANCE

To distribute the drive load evenly across the full width of the sheave, the Poly-V belt is built as a single unit with a completely supported, uninterrupted tension member. There is no matching problem. No separate belts to turn over, grab, slip, or interfere with each other.

The thin cross section profile allows use of smaller pulleys than standard V-belts, and Poly-V belts handle speed ratios of 40:1.

With all this capacity, the Poly-V belt tracks properly without special guides, flanges, crowns or deep grooves. And it resists seating in the grooves, so speed ratios remain more consistent and output speed remains more uniform.

MORE POWER IN LESS SPACE

Continuous engagement with the sheave driving surface gives you greater power capacity per inch of width. In addition, wasted space between separate V-belts is eliminated and converted into narrower, shallower grooves. These provide substantially greater contact area for stronger and more uniform traction.

LONGER BELT & SHEAVE LIFE

Complete support of the tension member, combined with full and uniform engagement with the sheave grooves, eliminates differential driving and equalizes belt stresses. That, in turn, minimizes belt elongation and leads to significantly longer flex life.

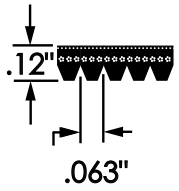
Even distribution of stress on the belt also reduces differential loading and wear on sheaves. It's not unusual for Poly-V belt sheaves to last significantly longer than standard V-belt sheaves and to experience lower maintenance requirements during this longer life.

IMPROVE DRIVE DESIGN WHILE YOU REDUCE DRIVE COST

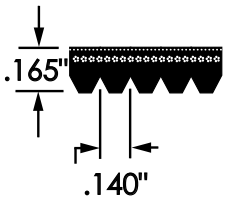
The combination of high-power capacity and low-profile design means the Poly-V drive can improve the drive design while lowering drive costs.

Poly-V belts allow narrower mounting clearances, need less center distance adjustment, and require less take-up for tensioning. Additionally, they allow the use of sheaves that are narrower in width and smaller in diameter without sacrificing power capacity. Smaller, narrower sheaves mean a reduction in weight so more of the drive gets to the load for increased efficiency.

POLY-V®



H SECTION

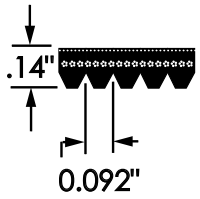


K SECTION

H and K Sections are nonstock. Standard factory lead times will apply. Minimums apply. Contact your local Goodyear Engineered Products PTP industrial distributor.

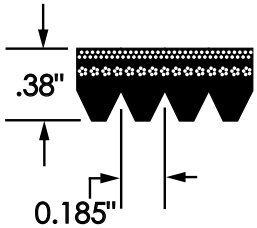
Stock Construction: No minimum quantity required. Can order any number of ribs up to maximum number of ribs per belt (Max Ribs/Belt) shown below.

J SECTION



Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt
180J	68	650J	68	420J*	145
190J	68	730J	68	444J*	68
200J	68	870J	68	552J*	68
220J	68	920J	68	546J*	68
240J	68	980J	68	575J*	145
260J	68	100J*	40	640J*	68
280J	68	105J*	40	690J*	145
300J	68	110J*	40	770J*	145
320J	68	120J*	40	776J*	68
340J	68	140J*	46	810J*	145
360J	68	147J*	45	878J*	145
380J	68	204J*	68	890J*	68
400J	68	210J*	68	895J*	145
430J	68	230J*	70	904J*	145
460J	68	243J*	68	940J*	145
490J	68	270J*	68	994J*	145
520J	68	310J*	145	1000J*	145
550J	68	328J*	145	1200J*	145
580J	68	353J*	145		
610J	68				

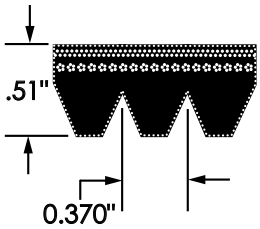
L SECTION*



Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt
500L	96	840L	96	385L*	96
540L	96	865L	96	455L*	96
560L	96	915L	96	505L*	72
615L	96	975L	96	622L*	96
635L	96	990L	96	748L*	96
655L	96	1065L	96	770L*	96
675L	96	1120L	96	845L*	96
695L	96	1150L	96	880L*	96
725L	96	1215L	96	1073L*	96
765L	96	1230L	96	1098L*	72
780L	96	1295L	96	1180L*	96
795L	96	1310L	96		
815L	96	1455L	72		

*Static conductive

M SECTION



Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt	Part Number	Max Ribs/Belt
900M	36	1310M	74	2130M	74
940M	36	1390M	74	2410M	74
990M	36	1470M	74	2560M	74
1060M	36	1610M	74	2710M	74
1115M	36	1650M	74	3010M	74
1150M	36	1760M	74	3310M	74
1185M	36	1830M	74	3610M	74
1230M	36	1980M	74		

*Static conductive

Special Note: Special Manufacture Belts are available. **Please check factory for availability.**

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

V-Belts

V-belts include not only traditional classical and narrow profiled belts, but also Double-V and FHP belts. When synchronization or timing is not required, V-belts make an excellent low-cost, quiet, and efficient means of transmitting power. However, not all V-belts perform the same. Depending on your application and your objectives, some V-belts will be better at getting you closer to your end goal.

Narrow V-Belts

Effectively handling drives from 1 to 1,000 hp, these belts rank high in horsepower-hours per dollar, the ultimate measure of drive value. The narrow-belt cross sections (3V, 5V, and 8V), offer higher power capacity for any sheave size and weight.

The narrow or "wedge" design provides more tensile member support than classical V-belts. Narrow belts handle an equivalent load, but with narrower face width and smaller diameters than the traditional classical V-belts. These features allow the use of smaller belts or fewer belts to transmit the load, an important advantage if your goal is to maximize power transmission efficiency by reducing drive weight and size.

Classic V-Belts

The most widely used V-belts are A, B, C, and D classical belts. Used more out of habit and convenience than design, these belts can handle fractional to 500-hp drives, usually at the lowest cost. However, they occupy more space, and the drives weigh more than narrow-belt drives. Also, classical belts are usually less efficient than narrow belts. But their versatility and wide range of sizes and types make them an attractive alternative to wedge belts. Many classical belts are used for replacement because it is considered too costly to replace sheaves when upgrading from classical to narrow or other belt types. Therefore, when replacing classical sheaves, it is an opportune time to upgrade to narrow or other belt types.

Specialty V-Belts

When equipment calls for metric precision, you need a belt that not only measures up, but one that won't get lost in translation. GY Metric belts are engineered to universal metric profiles, but manufactured by Veyance Technologies in North America, so you don't have to go elsewhere to get them. Strong, flexible and able to work in wide temperature ranges, GY Metric® replaces many common metric cross section belts such as XPZ, XPA, SPA, ,XPB, SPB, XPC and SPC.

Double-V or Hex Belts

A variation of the classical belt, Hex belts come in AA, BB, CC, or a deep CCP cross section. These belts transfer power from either side in serpentine drives. A drive design using Hex belts is more complicated and engineering manuals should be consulted when replacing or troubleshooting these drives.

FHP (Fractional Horsepower Belts)

The 3L, 4L, and 5L light-duty FHP belts are part of the V-Belt line also. As the name implies, these belts are used soley on drives of 1 hp or less.

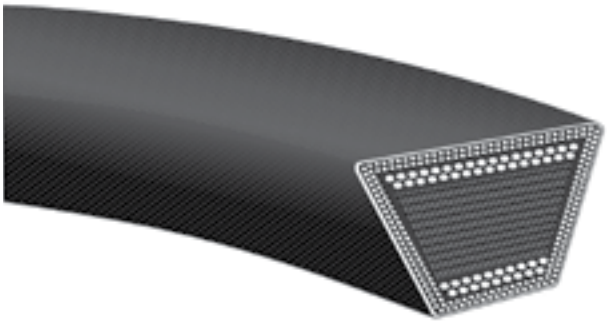
Cogged, Raw-Edge Construction vs. Envelope Construction

Goodyear Engineered Products provide a complete offering of cogged, raw-edge belts in narrow, classical, and FHP styles. Designated 3VX, 5VX, AX, BX, CX, 4L, and 5L, cogged, raw-edge V-belts have higher capacity and efficiency, and they use smaller sheaves than traditional envelope (wrapped) belts. These belts have a higher coefficient of friction and are more aggressive, which makes them a very efficient belt for power transmission.

Unlike conventional fabric-covered V-belts, raw-edge belts have no cover. Thus, the cross-sectional area normally occupied by the cover is used for more load-carrying cord. Cogs on the inner surface of the belt increase air flow to enhance cooler running. They also increase flexibility, allowing the belt to operate with smaller sheaves. With classical V-belts, certain under-designed or problem drives can be upgraded to "satisfactory" by substituting classical cogged belts for classical envelope belts without replacing sheaves.

Because of their higher coefficient of friction, cogged belts tend to be more sensitive to alignment. While envelope belts can tolerate some misalignment, cogged belts are more likely to turn over under the same conditions. Cogged belts should not be used in clutching drives, drives with severe shock loads, and drives that have changing center distances, such as shaker screens. In these applications, the aggressive nature and flexibility of cogged belts can cause vibration, belt turnover, and belt breakage. Cogged belts should also be avoided in drives that require slippage during frequent stops and starts.

Open End V-Belting



Part No: B-Open End
B 0.66" Top Width – Classical Profile
Available Roll Lengths (see chart below)

Applications

Ideal solution for temporary replacement in emergency situations or for long center drives. They can be used on all types of industrial applications.

Key Features & Benefits

- Universal classical profile.
- Multiple-ply, square-woven fabric tension members.
- Oil, heat, ozone, and abrasion resistant.
- Easy installation with spliced ends.
- Static conductive.*

The Ideal Solution for Problem Applications & Emergency Replacements

Goodyear Engineered Products Open End V-belting is the perfect answer for applications where endless V-belts are difficult or impossible to install. It also serves as an ideal emergency replacement when the exact length of endless belt is not readily available.

Open End V-belting will operate in any drive as long as RMA standard sheave dimensions are observed and the recommended maximum speed of 3,500 feet per minute is not exceeded. It is not recommended as a permanent substitute for endless V-belts except on drives where standard belts cannot be installed.

Horsepower Ratings

The horsepower ratings for fastened Open End V-belts are approximately 30% of published horsepower ratings for Goodyear Engineered Products standard multiple V-belts as shown in our V-belt Engineering Manual (20044896).

Note: Because of differences in the elongation characteristics and variations in cross section dimensions, Open End V-belts and Endless V-belts should not be used together on multiple drives.

Regular Construction
A Section
B Section
C Section
D Section

Roll Lot: Either 250' (max. 2 pcs.) or 500' (max. 3 pcs.) approx. rolls. "D" section available only in 250' (max. 2 pcs.) approx. rolls.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

NEW!

WEDGE TLP™ NARROW V-BELTS

WedgeTLP™

Part No: 3VT950
3VT 0.38″ Top Width — Narrow Profile
950 95.0″ Nominal Outside Length
Envelope Uncogged Construction Shown

APPLICATIONS

Premium, longer-life narrow-profile belts for compact, high-horsepower drives. Excellent in short-centered drives or where high shock loads are present; can be used any place you find traditional narrow V-belts, but require a more robust composition for improved service life.

KEY FEATURES & BENEFITS

- Homogenous design
- Specialty blended, fiber rich compounding
- Higher modulus, higher denier cord
- Virtually no maintenance
- Static conductive*, with oil-resistant surface, for greater peace of mind
- Supreme durability and wear resistance

INTRODUCING THE NEWEST, LONGEST-LASTING NARROW V-BELT IN THE GOODYEAR ENGINEERED PRODUCTS LINEUP

Constructed with a homogenous, one-piece design, the Wedge TLP Narrow V-Belt delivers total lasting performance that's virtually maintenance free. Its high-modulus, high-denier cord can handle a significant increase in horsepower over our current HY-T® Wedge.

LITTLE MAINTENANCE, WITH NO WORRIES

Wedge TLP's unique advanced construction process includes use of a specialized reinforcement and compounds that make this narrow V-belt virtually maintenance free. Install this belt the first time with proper installation techniques and take advantage of reduced downtime and maintenance.

INCREASE SAVINGS BY USING FEWER BELTS

With its greater horsepower capacity, Wedge TLP allows you to deliver the same amount of horsepower with a lesser number of belts. Fewer belts mean fewer sheave grooves; the combination of the two means lower-cost belt drives.

DURABILITY THAT GOES THE DISTANCE

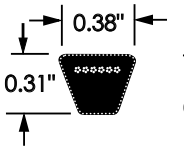
Wedge TLP belts offer supreme durability and wear resistance—plus better fit even in worn sheaves. That's all because of its two envelope plies and specialty blended, fiber-rich compounding that help support increased horsepower, with less deformation under tension.

BETTER BELT PERFORMANCE IS NOW WITHIN REACH.

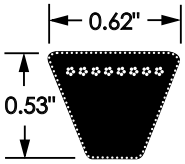
*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

WEDGE TLP™ NARROW V-BELTS

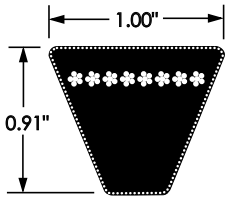
3VT



5VT



8VT



Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
3VT500	50.0	3VT630	63.0	3VT800	80.0	3VT1000	100.0	3VT1250	125.0
3VT530	53.0	3VT670	67.0	3VT850	85.0	3VT1060	106.0	3VT1320	132.0
3VT560	56.0	3VT710	71.0	3VT900	90.0	3VT1120	112.0	3VT1400	140.0
3VT600	60.0	3VT750	75.0	3VT950	95.0	3VT1180	118.0		

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
5VT530*	53.0	5VT800	80.0	5VT1180	118.0	5VT1700	170.0	5VT2360	236.0
5VT560*	56.0	5VT850	85.0	5VT1250	125.0	5VT1800	180.0	5VT2500	250.0
5VT600*	60.0	5VT900	90.0	5VT1320	132.0	5VT1900	190.0	5VT2650	265.0
5VT630*	63.0	5VT950	95.0	5VT1400	140.0	5VT2000	200.0	5VT2800	280.0
5VT670*	67.0	5VT1000	100.0	5VT1500	150.0	5VT2120	212.0	5VT3000	300.0
5VT710	71.0	5VT1060	106.0	5VT1600	160.0	5VT2240	224.0	5VT3150	315.0
5VT750	75.0	5VT1120	112.0						

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
8VT1000	100.0	8VT1500	150.0	8VT2000	200.0	8VT2650	265.0	8VT3550	355.0
8VT1120	112.0	8VT1600	160.0	8VT2120	212.0	8VT2800	280.0	8VT3750	375.0
8VT1180	118.0	8VT1700	170.0	8VT2240	224.0	8VT3000	300.0	8VT4000	400.0
8VT1250	125.0	8VT1800	180.0	8VT2360	236.0	8VT3150	315.0	8VT4250	425.0
8VT1320	132.0	8VT1900	190.0	8VT2500	250.0	8VT3350	335.0	8VT4500	450.0
8VT1400	140.0								

*Check customer service for availablitity. Size not produced at time of catalog printing.

HY-T® WEDGE

Part No: 5V1400
5V 0.62″ Top Width – Narrow Profile
1400 140.0″ Nominal Outside Length
Envelope Uncogged Construction Shown

APPLICATIONS

Narrow profile belts for compact, high horsepower drives, high shock loading on short centers and small diameters. For designing compact, heavy-duty drives where space limitation is a factor.

KEY FEATURES & BENEFITS

- Narrow profile provides savings through efficiency.
- Greater horsepower than the classical belt.
- Strong Vytacord® (polyester) tensile members.
- High-grade engineered rubber.
- Heat, ozone, and abrasion resistant.
- Available in raw-edge construction with cogs or envelope construction.
- Matchmaker® to eliminate mismatch.
- Static conductive.*

A NARROWER CROSS SECTION & STRONGER CONSTRUCTION REDUCES DRIVE COSTS

The savings start in the basic wedge or narrow design of the HY-T Wedge belt. It has a narrower cross section than standard V-belts so it distributes stresses more uniformly to deliver more consistent, more reliable power transmission.

A wedge cross section means the belts are narrower and weigh less. Narrower belts allow for the use of thinner and lighter sheaves, resulting in a more efficient drive.

The savings continue through the higher horsepower capacity provided by Goodyear Engineered Products HY-T V-belt construction. Vytacord tension members, provide strength and dimensional stability. Higher horsepower capacity is also provided through a tough engineered rubber compound cushion, adding to belt strength.

HY-T Wedge, with its narrow cross-section, makes it possible to achieve a required horsepower with fewer HY-T Wedge belts than with standard V-belts, reducing sheave size, sheave costs, and belt costs even more.

Since less power is required to run the smaller, lighter drives, more power gets to the load. Therefore, you may be able to downsize drive motors and/or increase drive efficiency for even more savings.

MATCHMAKER® PERFORMANCE

HY-T Wedge belts eliminate mismatch problems as each Matchmaker belt is mirrored in size and performance to every other HY-T Wedge belt in that size, no matter when or where it was produced.

CUT-EDGE OR ENVELOPE CONSTRUCTIONS PROVIDE OPTIMUM PERFORMANCE

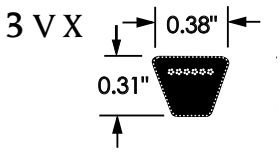
HY-T Wedge belts are available in a cut-edge construction with cogs for increased flexibility and heat dissipation or envelope construction for drives where pulsation, shock loads, high tension, and long centers are involved.

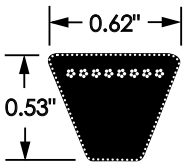
HY-T Wedge Cogged belts are high-horsepower belt constructions that are identified with a 3VX and 5VX prefix and are available in lengths up to 200″. The cogged construction provides the high flexibility required for short center distances. The cogs also provide a larger surface area to dissipate heat and prolong belt life. Improved material properties and advanced construction technology results in an average horsepower increase of 30% over standard “Classical” V-belt and wedge belts.

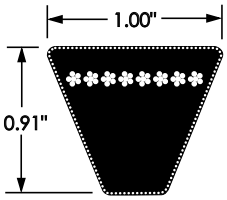
HY-T Wedge Envelope belts are identified with a 3V, 5V, or 8V prefix and are recommended for drives where pulsation, shock loads, high tension, and long centers are involved. It features a continuous V-section that is protected by a wide angle, synthetic fabric impregnated with high-quality engineered rubber compound. This unique envelope achieves the high strength HY-T Wedge belts need to withstand high loading forces. It also provides the torsional rigidity required in long center drives delivering the traction needed for accurate tracking and precision performance.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HY-T® WEDGE







COGGED SIZES

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
3VX250	25.0	3VX375	37.5	3VX560	56.0	3VX850	85.0	3VX1250	125.0
3VX265	26.5	3VX400	40.0	3VX600	60.0	3VX900	90.0	3VX1320	132.0
3VX280	28.0	3VX425	42.5	3VX630	63.0	3VX950	95.0	3VX1400	140.0
3VX300	30.0	3VX450	45.0	3VX670	67.0	3VX1000	100.0	3VX1500	150.0
3VX315	31.5	3VX475	47.5	3VX710	71.0	3VX1060	106.0		
3VX335	33.5	3VX500	50.0	3VX750	75.0	3VX1120	112.0		
3VX355	35.5	3VX530	53.0	3VX800	80.0	3VX1180	118.0		

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
5VX450	45.0	5VX590	59.0	5VX740	74.0	5VX930	93.0	5VX1250	125.0
5VX470	47.0	5VX600	60.0	5VX750	75.0	5VX950	95.0	5VX1320	132.0
5VX490	49.0	5VX610	61.0	5VX780	78.0	5VX960	96.0	5VX1400	140.0
5VX500	50.0	5VX630	63.0	5VX800	80.0	5VX1000	100.0	5VX1500	150.0
5VX510	51.0	5VX650	65.0	5VX810	81.0	5VX1030	103.0	5VX1600	160.0
5VX530	53.0	5VX660	66.0	5VX830	83.0	5VX1060	106.0	5VX1700	170.0
5VX540	54.0	5VX670	67.0	5VX840	84.0	5VX1080	109.0	5VX1800	180.0
5VX550	55.0	5VX680	68.0	5VX850	85.0	5VX1120	112.0	5VX1900	190.0
5VX560	56.0	5VX690	69.0	5VX860	86.0	5VX1150	115.0	5VX2000	200.0
5VX570	57.0	5VX710	71.0	5VX880	88.0	5VX1180	119.0		
5VX580	58.0	5VX730	73.0	5VX900	90.0	5VX1230	123.0		

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
8VX1000	100.0	8VX1180	118.0	8VX1400	140.0	8VX1700	170.0	8VX2000	200.0
8VX1060	106.0	8VX1250	125.0	8VX1500	150.0	8VX1800	180.0		
8VX1120	112.0	8VX1320	132.0	8VX1600	160.0	8VX1900	190.0		

NONCOGGED SIZES

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
3V250	25.0	3V375	37.5	3V560	56.0	3V850	85.0	3V1250	125.0
3V265	26.5	3V400	40.0	3V600	60.0	3V900	90.0	3V1320	132.0
3V280	28.0	3V425	42.5	3V630	63.0	3V950	95.0	3V1400	140.0
3V300	30.0	3V450	45.0	3V670	67.0	3V1000	100.0		
3V315	31.5	3V475	47.5	3V710	71.0	3V1060	106.0		
3V335	33.5	3V500	50.0	3V750	75.0	3V1120	112.0		
3V355	35.5	3V530	53.0	3V800	80.0	3V1180	118.0		

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
5V500	50.0	5V850	85.0	5V1250	125.0	5V1900	190.0	5V2800	280.0
5V560	56.0	5V900	90.0	5V1320	132.0	5V2000	200.0	5V3000	300.0
5V630	63.0	5V950	95.0	5V1400	140.0	5V2120	212.0	5V3150	315.0
5V670	67.0	5V1000	100.0	5V1500	150.0	5V2240	224.0	5V3350	335.0
5V710	71.0	5V1060	106.0	5V1600	160.0	5V2360	236.0	5V3550	355.0
5V750	75.0	5V1120	112.0	5V1700	170.0	5V2500	250.0		
5V800	80.0	5V1180	118.0	5V1800	180.0	5V2650	265.0		

Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)	Part Number	Effective Length (in)
8V1000	100.0	8V1400	140.0	8V2000	200.0	8V2800	280.0	8V4000	400.0
8V1060	106.0	8V1500	150.0	8V2120	212.0	8V3000	300.0	8V4250	425.0
8V1120	112.0	8V1600	160.0	8V2240	224.0	8V3150	315.0	8V4500	450.0
8V1180	118.0	8V1700	170.0	8V2360	236.0	8V3350	335.0	8V4750	475.0
8V1250	125.0	8V1800	180.0	8V2500	250.0	8V3550	355.0	8V5000	500.0
8V1320	132.0	8V1900	190.0	8V2650	265.0	8V3750	375.0	8V5600	560.0

HY-T® PLUS (CLASSICAL)

Part No: B75

B	0.66″ Top Width – Classical Profile
75	Approximate 75″ Inside Length

APPLICATIONS

Designed for operating at high speeds over small diameter pulleys and short center distances. Also for use in multiple V-belt drives where high shock load and heavy-duty loads are encountered.

KEY FEATURES & BENEFITS

- Universal classical profile.
- High-strength Vytacord® tensile members.
- Engineered rubber-impregnated envelope.
- Engineered rubber compound cushion and insulation.
- Dual branded (Classical and FHP part numbers).
- Oil, heat, ozone, and abrasion resistant.
- Matchmaker to eliminate mismatch.
- Static conductive.*

LESS ELONGATION IS THE KEY TO PERFORMANCE

Whether you're talking about rubber belts or metal chains, most materials will elongate when put to use. The secret to reliable performance isn't to eliminate elongation, but to control it so that it is minimal, predictable, and uniform. To achieve these criteria, we developed the Vytacord tensile member.

Vytacord provides the high-strength, high-horsepower rating capacity needed to effectively transmit today's drive power. It's even tough enough to tolerate slight sheave misalignment that would quickly destroy ordinary belts.

The Vytacord tensile member provides dimensional stability. As a result, each belt of a given size will maintain its length consistency, no matter when or where it was produced.

The exceptional dimensional stability properties of HY-T Plus eliminates matching problems, improves performance, and increases service life.

IMPROVED MATERIALS ARE THE KEY TO THE DURABILITY & VERSATILITY OF HY-T PLUS

The vast improvements in all components of HY-T Plus construction complement the quality of the Vytacord tensile member.

Our engineered heat- and oil-resistant rubber compound, is used in both the cushion and insulation sections of HY-T Plus. Belt construction provides the flexibility on small pulleys. As a result the belt is able to serve a dual purpose for both classical and FHP, while offering more versatility than any other classical belt.

The HY-T Plus' envelope construction assures optimum warp and fill thread angle, providing belt flexibility. In addition, the fabric is treated with Goodyear Engineered Products exclusive engineered rubber compound for long wear and resistance to heat, oil, and other environmental hazards. The envelope also assures that the belt dissipates static electricity, as specified in RMA bulletin IP3-3.

The cushion is also crush-resistant and cool running to maintain its shape, fit, and strength longer. And with the longer service life achieved by HY-T Plus belts, replacement of belts is less frequent. Overall, belt costs are reduced, downtime is minimized, and equipment productivity is maintained.

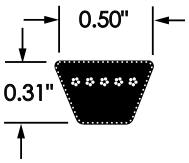
LESS INVENTORY REQUIRED

The HY-T Plus can be used in FHP applications. Conversely, rarely do FHP belts perform in HY-T Plus (classical) applications.

The result is a reduced inventory that equates to dollars taken off the shelves and into your pockets.

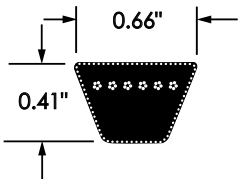
*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

HY-T® PLUS (CLASSICAL)



A SECTION

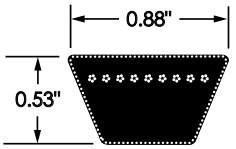
Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)
A20	(4L220)	22	A39	(4L410)	41	A58	(4L600)	60	A77	(4L790)	79	A96	(4L980)	98
A21	(4L230)	23	A40	(4L420)	42	A59	(4L610)	61	A78	(4L800)	80	A97	(4L990)	99
A22	(4L240)	24	A41	(4L430)	43	A60	(4L620)	62	A79	(4L810)	81	A98	(4L1000)	100
A23	(4L250)	25	A42	(4L440)	44	A61	(4L630)	63	A80	(4L820)	82	A100	(4L1020)	102
A24	(4L260)	26	A43	(4L450)	45	A62	(4L640)	64	A81	(4L830)	83	A103		105
A25	(4L270)	27	A44	(4L460)	45	A63	(4L650)	65	A82	(4L840)	84	A105		107
A26	(4L280)	28	A45	(4L470)	47	A64	(4L660)	66	A83	(4L850)	85	A110		112
A27	(4L290)	29	A46	(4L480)	48	A65	(4L670)	67	A84	(4L860)	86	A112		114
A28	(4L300)	30	A47	(4L490)	49	A66	(4L680)	68	A85	(4L870)	87	A120		122
A29	(4L310)	31	A48	(4L500)	50	A67	(4L690)	69	A86	(4L880)	88	A128		130
A30	(4L320)	32	A49	(4L510)	51	A68	(4L700)	70	A87	(4L890)	89	A133		135
A31	(4L330)	33	A50	(4L520)	52	A69	(4L710)	71	A88	(4L900)	90	A136		138
A32	(4L340)	34	A51	(4L530)	53	A70	(4L720)	72	A89	(4L910)	91	A144		146
A33	(4L350)	35	A52	(4L540)	54	A71	(4L730)	73	A90	(4L920)	92	A158		160
A34	(4L360)	36	A53	(4L550)	55	A72	(4L740)	74	A91	(4L930)	93	A173		175
A35	(4L370)	37	A54	(4L560)	56	A73	(4L750)	75	A92	(4L940)	94	A180		182
A36	(4L380)	38	A55	(4L570)	57	A74	(4L760)	76	A93	(4L950)	95			
A37	(4L390)	39	A56	(4L580)	58	A75	(4L770)	77	A94	(4L960)	96			
A38	(4L400)	40	A57	(4L590)	59	A76	(4L780)	78	A95	(4L970)	97			



B SECTION

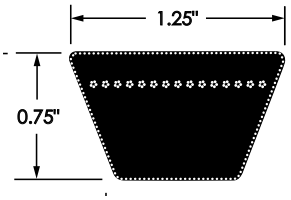
Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number		Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
B22	(5L250)	25	B46	(5L490)	49	B70	(5L730)	73	B94	(5L970)	97	B144	147
B23	(5L260)	26	B47	(5L500)	50	B71	(5L740)	74	B95	(5L980)	98	B148	151
B24	(5L270)	27	B48	(5L510)	51	B72	(5L750)	75	B96	(5L990)	99	B150	153
B25	(5L280)	28	B49	(5L520)	52	B73	(5L760)	76	B97	(5L1000)	100	B154	157
B26	(5L290)	29	B50	(5L530)	53	B74	(5L770)	77	B98	(5L1010)	101	B158	161
B27	(5L300)	30	B51	(5L540)	54	B75	(5L780)	78	B99	(5L1020)	102	B162	165
B28	(5L310)	31	B52	(5L550)	55	B76	(5L790)	79	B100		103	B173	176
B29	(5L320)	32	B53	(5L560)	56	B77	(5L800)	80	B101		104	B180	183
B30	(5L330)	33	B54	(5L570)	57	B78	(5L810)	81	B103		106	B190	193
B31	(5L340)	34	B55	(5L580)	58	B79	(5L820)	82	B104		107	B195	198
B32	(5L350)	35	B56	(5L590)	59	B80	(5L830)	83	B105		108	B205	208
B33	(5L360)	36	B57	(5L600)	60	B81	(5L840)	84	B108		111	B210	213
B34	(5L370)	37	B58	(5L610)	61	B82	(5L850)	85	B111		114	B225	227
B35	(5L380)	38	B59	(5L620)	62	B83	(5L860)	86	B112		115	B240	242
B36	(5L390)	39	B60	(5L630)	63	B84	(5L870)	87	B115		118	B255	257
B37	(5L400)	40	B61	(5L640)	64	B85	(5L880)	88	B116		119	B270	272
B38	(5L410)	41	B62	(5L650)	65	B86	(5L890)	89	B118		121	B285	287
B39	(5L420)	42	B63	(5L660)	66	B87	(5L900)	90	B120		123	B300	302
B40	(5L430)	43	B64	(5L670)	67	B88	(5L910)	91	B124		127	B315	317
B41	(5L440)	44	B65	(5L680)	68	B89	(5L920)	92	B126		129	B330	332
B42	(5L450)	45	B66	(5L690)	69	B90	(5L930)	93	B128		131	B360	362
B43	(5L460)	46	B67	(5L700)	70	B91	(5L940)	94	B133		136	B394	396
B44	(5L470)	47	B68	(5L710)	71	B92	(5L950)	95	B136		139		
B45	(5L480)	48	B69	(5L720)	72	B93	(5L960)	96	B140		143		

HY-T® PLUS (CLASSICAL)



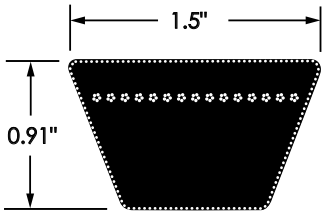
C SECTION

Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
C48	52	C80	84	C108	112	C150	154	C240	242
C50	54	C81	85	C109	113	C156	160	C255	257
C51	55	C85	89	C110	114	C158	162	C270	272
C55	59	C90	94	C112	116	C162	166	C285	287
C60	64	C93	97	C115	119	C165	169	C300	302
C62	66	C94	98	C120	124	C173	177	C315	317
C68	72	C100	104	C124	128	C180	184	C330	332
C71	75	C101	105	C128	132	C190	194	C345	347
C72	76	C103	107	C136	140	C195	199	C360	362
C75	79	C105	109	C144	148	C210	214	C390	392
C78	82	C106	110	C148	152	C225	227	C420	422



D SECTION

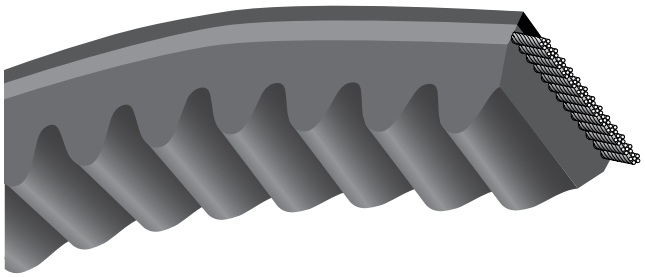
Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
D112	117	D162	167	D225	228	D300	303	D390	393
D120	125	D173	178	D240	243	D315	318	D420	423
D128	133	D180	185	D255	258	D330	333	D450	453
D144	149	D195	200	D270	273	D345	348	D480	483
D158	163	D210	215	D285	388	D360	363	D540	543



E SECTION

Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
E180	187	E240	244	E330	334	E420	424	E600	604
E195	202	E270	274	E360	364	E480	484		
E210	217	E300	304	E390	394	E540	544		

TORQUE-FLEX®



Part No: BX75

B	0.66″ Top Width – Classical Profile
X	Premium Cogged Construction
75	Approximate 75″ Inside Length
	Cut-Edge, Molded Cog Construction Shown

APPLICATIONS

Designed for the tough, small sheave, high-tension drives.

KEY FEATURES & BENEFITS

- Premium classical profile construction.
- 25% – 30% higher power ratings than standard V-belts.
- Strong Vytacord® (polyester) tensile members.
- Engineered cushion compound.
- Cut-edge cogged construction on most sizes.
- Heat, ozone, and abrasion resistant.
- Matchmaker® to eliminate mismatch.
- Static conductive.*

MORE HORSEPOWER PER DOLLAR

Your drives can deliver the horsepower you want at a lower component cost—and with lower energy costs—when you include Goodyear Engineered Products Torque-Flex V-belts in the design.

They are fully cogged to provide the flexibility needed to keep their high-traction rubber edges in contact with the sheave grooves. This high efficiency allows you to achieve the horsepower you need at a lower total drive cost.

EXACTING PRECISION & UNIFORMITY

Rigid quality assurance programs imposed during Torque-Flex V-belt manufacture result in belt angles and belt lengths which are more exact than standard belts. This results in quiet, smooth-running, and long-lasting belts. Think what that can save in reduced downtime and belt maintenance.

Of course, with such exacting production requirements, our Torque-Flex V-belts also achieve consistent uniformity from run to run. This outstanding consistency means you can be sure that two belts of the same size designation will match, no matter when they were produced. As a result:

- You eliminate mismatching problems caused by individual belts that may be too loose or too tight.
- You simplify ordering procedures—no lengthy specifications, detailing match-ups, and sizing.
- No complicated time-consuming matching. Your Goodyear Engineered Products belts are automatically matched when you buy them.
- You reduce your in-plant inventory. The Matchmaker system covers your needs with a minimum of belts to save you space and inventory dollars.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

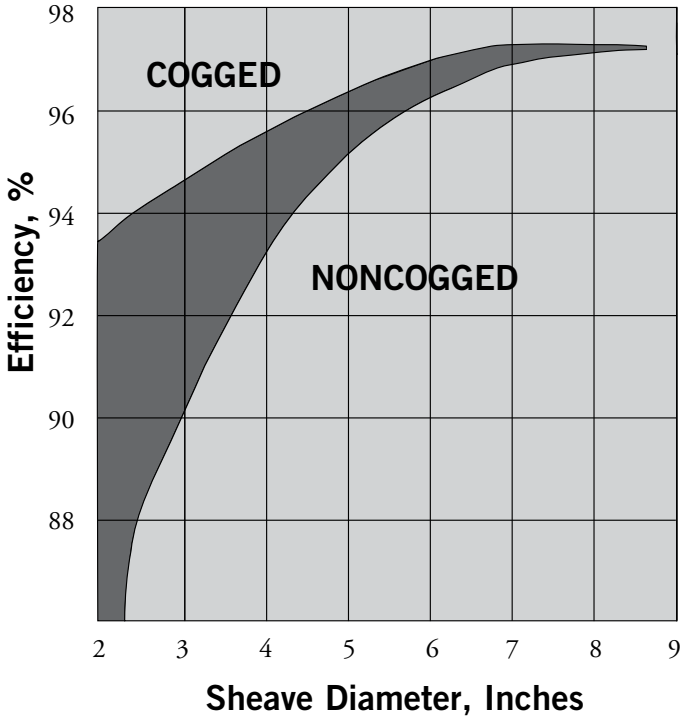
MORE SAVINGS FROM FEWER BELTS

The high-strength and high horsepower capacity of Torque-Flex V-belts means you need fewer belts and fewer sheave grooves to deliver the same amount of horsepower.

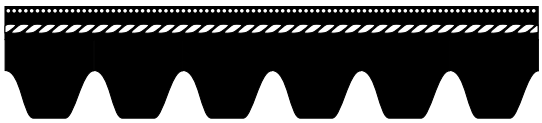
ENERGY-SAVING EFFICIENCY

The same design and construction features which lead to high horsepower ratings for Torque-Flex V-Belts also lead to improvements in energy efficiency of up to 4%, depending on sheave diameter.

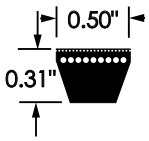
COGGED VS. NONCOGGED BELT EFFICIENCY



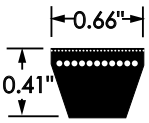
TORQUE-FLEX®



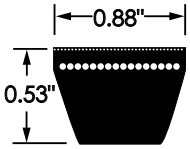
SIDE VIEW



AX



BX



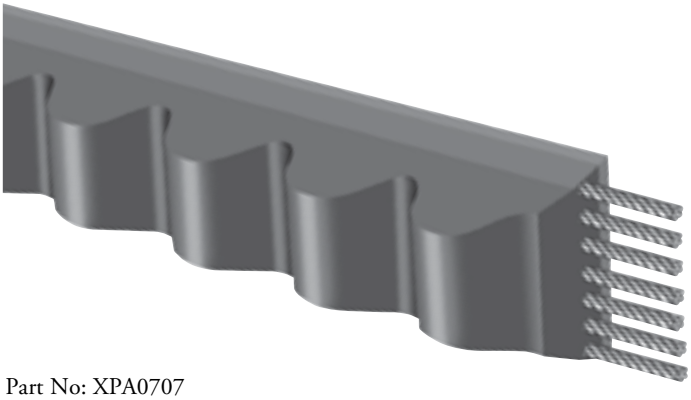
CX

Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
AX21	23	AX39	41	AX56	58	AX73	75	AX90	92
AX22	24	AX40	42	AX57	59	AX74	76	AX91	93
AX23	25	AX41	43	AX58	60	AX75	77	AX93	95
AX24	26	AX42	44	AX59	61	AX76	78	AX94	96
AX26	28	AX43	45	AX60	62	AX77	79	AX95	97
AX27	29	AX44	46	AX61	63	AX78	80	AX96	98
AX28	30	AX45	47	AX62	64	AX79	81	AX97	99
AX29	31	AX46	48	AX63	65	AX80	82	AX98	100
AX30	32	AX47	49	AX64	66	AX81	83	AX100	102
AX31	33	AX48	50	AX65	67	AX82	84	AX103	105
AX32	34	AX49	51	AX66	68	AX83	85	AX105	107
AX33	35	AX50	52	AX67	69	AX84	86	AX110	112
AX34	36	AX51	53	AX68	70	AX85	87	AX112	114
AX35	37	AX52	54	AX69	71	AX86	88		
AX36	38	AX53	55	AX70	72	AX87	89		
AX37	39	AX54	56	AX71	73	AX88	90		
AX38	40	AX55	57	AX72	74	AX89	91		

Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
BX28	31	BX53	56	BX73	76	BX93	96	BX128	131
BX31	34	BX54	57	BX74	77	BX94	97	BX133	136
BX32	35	BX55	58	BX75	78	BX95	98	BX136	139
BX34	37	BX56	59	BX76	79	BX96	99	BX140	143
BX35	38	BX57	60	BX77	80	BX97	100	BX144	147
BX36	39	BX58	61	BX78	81	BX98	101	BX148	151
BX38	41	BX59	62	BX79	82	BX99	102	BX150	153
BX40	43	BX60	63	BX80	83	BX100	103	BX154	157
BX41	44	BX61	64	BX81	84	BX103	106	BX158	161
BX42	45	BX62	65	BX82	85	BX105	108	BX162	165
BX43	46	BX63	66	BX83	86	BX106	109	BX173	176
BX44	47	BX64	67	BX84	87	BX108	111	BX180	183
BX45	48	BX65	68	BX85	88	BX112	115	BX191	194
BX46	49	BX66	69	BX86	89	BX113	116	BX195	198
BX47	50	BX67	70	BX87	90	BX115	118	BX210	213
BX48	51	BX68	71	BX88	91	BX116	119	BX225	228
BX49	52	BX69	72	BX89	92	BX120	123	BX240	243
BX50	53	BX70	73	BX90	93	BX123	126	BX255	258
BX51	54	BX71	74	BX91	94	BX124	127	BX270	273
BX52	55	BX72	75	BX92	95	BX126	129	BX300	303

Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
CX51	55	CX81	85	CX109	113	CX144	148	CX210	214
CX55	59	CX85	89	CX111	115	CX150	154	CX240	244
CX60	64	CX90	94	CX112	116	CX158	162	CX270	274
CX68	72	CX96	100	CX115	119	CX162	166		
CX72	76	CX100	104	CX120	124	CX173	177		
CX75	79	CX101	105	CX128	132	CX180	184		
CX78	82	CX105	109	CX136	140	CX195	199		

GY METRIC® BELTS



Part No: XPA0707

X	Premium Cogged Construction
PA	Metric A Profile
0707	707mm Datum Length

APPLICATIONS

Specialty V-belt for a wide variety of heavy-duty, temperature-sensitive applications.

KEY FEATURES & BENEFITS

- Wedge profile allows for a smaller drive package and lower operating costs.
- Premium fiber loading adds strength and cord support.
- Raw-edge, molded cog and envelope constructions.
- Optimum wedging action provides maximum torque carrying performance.
- Heat, ozone and abrasion resistant.
- Static-conductive** for specialized applications.

VERSATILITY

GY Metric belts operate under one of the widest temperature ranges in the industry, from -65°F to 180°F (-54°C to 82°C)*. It's that versatility and our experience in rubber compounding that can provide superior performance under the toughest conditions.

UNIVERSAL FIT

When equipment calls for metric precision, you need a belt that not only measures up, but one that won't get lost in translation. GY Metric belts are engineered to universal metric profiles, but manufactured by Veyance Technologies in North America, so you don't have to go elsewhere to get them.

SUPERIOR PERFORMANCE UNDER TOUGH CONDITIONS

GY Metric belts are strong, flexible and able to work within a wide temperature range, offering superior performance under the toughest conditions. So they do more than measure up. They stand apart.

MORE SAVINGS FROM FEWER BELTS

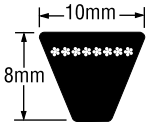
The high-strength and high horsepower capacity of Torque-Flex® V-belts means you need fewer belts and fewer sheave grooves to deliver the same amount of horsepower.

*Temperature range is based upon test data obtained on select belt sizes manufactured from our latest rubber compounds, consistent with standard MIL-B-11040-E, section 3.8.

**Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

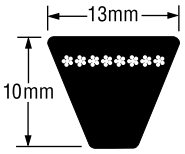
GY METRIC® BELTS

DATUM LENGTH (INCHES)



XPZ*

Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)
XPZ0487	19.17	XPZ0900	35.43	XPZ1187	46.73	XPZ1537	60.51	XPZ1987	78.23
XPZ0512	20.16	XPZ0912	35.91	XPZ1200	47.24	XPZ1562	61.50	XPZ2000	78.74
XPZ0562	22.13	XPZ0922	36.30	XPZ1202	47.32	XPZ1587	62.48	XPZ2030	79.92
XPZ0587	23.11	XPZ0925	36.42	XPZ1237	48.70	XPZ1600	62.99	XPZ2037	80.20
XPZ0612	24.09	XPZ0927	36.50	XPZ1250	49.21	XPZ1612	63.46	XPZ2060	81.10
XPZ0630	24.80	XPZ0937	36.89	XPZ1262	49.69	XPZ1637	64.45	XPZ2062	81.18
XPZ0637	25.08	XPZ0950	37.40	XPZ1270	50.00	XPZ1650	64.96	XPZ2075	81.69
XPZ0662	26.06	XPZ0962	37.87	XPZ1287	50.67	XPZ1662	65.43	XPZ2087	82.17
XPZ0670	26.38	XPZ0975	38.39	XPZ1312	51.65	XPZ1687	66.42	XPZ2120	83.46
XPZ0687	27.05	XPZ0987	38.86	XPZ1320	51.97	XPZ1700	66.93	XPZ2160	85.04
XPZ0710	27.95	XPZ1000	39.37	XPZ1337	52.64	XPZ1737	68.39	XPZ2187	86.10
XPZ0722	28.43	XPZ1012	39.84	XPZ1362	53.62	XPZ1750	68.90	XPZ2240	88.19
XPZ0737	29.02	XPZ1024	40.31	XPZ1387	54.61	XPZ1762	69.37	XPZ2280	89.76
XPZ0750	29.53	XPZ1037	40.83	XPZ1400	55.12	XPZ1787	70.35	XPZ2287	90.04
XPZ0762	30.00	XPZ1047	41.22	XPZ1412	55.59	XPZ1800	70.87	XPZ2360	92.91
XPZ0787	30.98	XPZ1060	41.73	XPZ1420	55.91	XPZ1812	71.34	XPZ2410	94.88
XPZ0800	31.50	XPZ1077	42.40	XPZ1437	56.57	XPZ1837	72.32	XPZ2487	97.91
XPZ0812	31.97	XPZ1087	42.80	XPZ1450	57.09	XPZ1850	72.83	XPZ2500	98.43
XPZ0825	32.48	XPZ1112	43.78	XPZ1462	57.56	XPZ1862	73.31	XPZ2540	100.00
XPZ0837	32.95	XPZ1120	44.09	XPZ1487	58.54	XPZ1887	74.29	XPZ2650	104.33
XPZ0850	33.46	XPZ1137	44.76	XPZ1500	59.06	XPZ1900	74.80	XPZ2800	110.24
XPZ0862	33.94	XPZ1162	45.75	XPZ1512	59.53	XPZ1937	76.26		
XPZ0875	34.45	XPZ1171	46.10	XPZ1520	59.84	XPZ1950	76.77		
XPZ0887	34.92	XPZ1180	46.46	XPZ1527	60.12	XPZ1962	77.24		

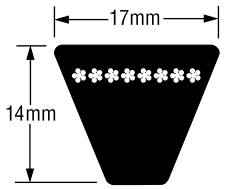


XPA*/SPA

Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)
XPA0707	27.83	XPA1232	48.50	XPA1557	61.30	XPA1957	77.05	XPA2632	103.62
XPA0732	28.82	XPA1250	49.21	XPA1582	62.28	XPA1982	78.03	XPA2650	104.33
XPA0757	29.80	XPA1257	49.49	XPA1600	62.99	XPA2000	78.74	XPA2682	105.59
XPA0782	30.79	XPA1282	50.47	XPA1607	63.27	XPA2032	80.00	XPA2732	107.56
XPA0850	33.46	XPA1300	51.18	XPA1632	64.25	XPA2057	80.98	XPA2782	109.53
XPA0857	33.74	XPA1307	51.46	XPA1657	65.24	XPA2060	81.10	XPA2800	110.24
XPA0872	34.33	XPA1320	51.97	XPA1682	66.22	XPA2082	81.97	XPA2832	111.50
XPA0882	34.72	XPA1325	52.17	XPA1700	66.93	XPA2120	83.46	XPA2882	113.46
XPA0900	35.43	XPA1332	52.44	XPA1707	67.20	XPA2132	83.94	XPA2900	114.17
XPA0922	36.30	XPA1357	53.43	XPA1732	68.19	XPA2182	85.91	XPA2982	117.40
XPA0982	38.66	XPA1382	54.41	XPA1750	68.90	XPA2207	86.89	XPA3000	118.11
XPA1000	39.37	XPA1400	55.12	XPA1757	69.17	XPA2240	88.19	XPA3150	124.02
XPA1007	39.65	XPA1407	55.39	XPA1782	70.16	XPA2282	89.84	XPA3182	125.28
XPA1032	40.63	XPA1432	56.38	XPA1800	70.87	XPA2300	90.55	XPA3350	131.89
XPA1057	41.61	XPA1450	57.09	XPA1807	71.14	XPA2360	92.91	XPA3382	133.15
XPA1060	41.73	XPA1457	57.36	XPA1832	72.13	XPA2432	95.75	SPA3550	139.76
XPA1082	42.60	XPA1482	58.35	XPA1850	72.83	XPA2482	97.72	SPA3650	143.70
XPA1120	44.09	XPA1500	59.06	XPA1857	73.11	XPA2500	98.43	SPA3882	152.83
XPA1157	45.55	XPA1507	59.33	XPA1882	74.09	XPA2532	99.69	SPA4000	157.48
XPA1180	46.46	XPA1525	60.04	XPA1900	74.80	XPA2580	101.57	SPA4500	177.17
XPA1207	47.52	XPA1532	60.31	XPA1907	75.08	XPA2582	101.65		
XPA1220	48.03	XPA1550	61.02	XPA1932	76.06	XPA2607	102.64		

*Denotes cog construction.

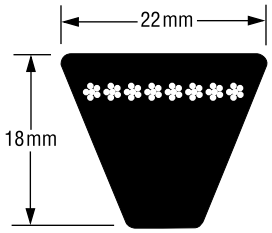
GY METRIC® BELTS



XPB*/SPB

Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)
XPB1250	49.21	XPB1900	74.80	XPB2410	94.88	XPB3150	124.02	SPB4560	179.53
XPB1320	51.97	XPB1950	76.77	XPB2430	95.67	XPB3170	124.80	SPB4620	181.89
XPB1340	52.76	XPB2000	78.74	XPB2500	98.43	XPB3320	130.71	SPB4750	187.01
XPB1400	55.12	XPB2020	79.53	XPB2530	99.61	XPB3340	131.50	SPB4820	189.76
XPB1410	55.51	XPB2060	81.10	XPB2580	101.57	XPB3350	131.89	SPB5000	196.85
XPB1450	57.09	XPB2120	83.46	XPB2600	102.36	XPB3450	135.83	SPB5300	208.66
XPB1500	59.06	XPB2150	84.65	XPB2650	104.33	XPB3550	139.76	SPB5600	220.47
XPB1550	61.02	XPB2180	85.83	XPB2680	105.51	SPB3650	143.70	SPB6000	236.22
XPB1600	62.99	XPB2240	88.19	XPB2720	107.09	SPB3750	147.64	SPB8000	314.96
XPB1650	64.96	XPB2264	89.13	XPB2800	110.24	SPB3800	149.61	SPB9000	354.33
XPB1700	66.93	XPB2280	89.76	XPB2820	111.02	SPB3870	152.36		
XPB1778	70.00	XPB2300	90.55	XPB2840	111.81	SPB4000	157.48		
XPB1800	70.87	XPB2310	90.94	XPB2900	114.17	SPB4250	167.32		
XPB1850	72.83	XPB2360	92.91	XPB3000	118.11	SPB4500	177.17		

*Denotes cog construction.

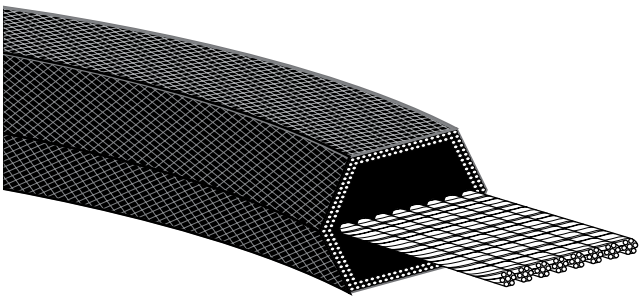


XPC*/SPC

Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)	Part Number	Datum Length (in)
XPC1047	41.22	XPC2650	104.33	XPC3550	139.76	SPC4750	187.01	SPC6700	263.78
XPC2120	83.46	XPC2800	110.24	SPC3750	147.64	SPC5000	196.85	SPC7100	279.53
XPC2240	88.19	XPC3000	118.11	SPC4000	157.48	SPC5300	208.66	SPC7500	295.28
XPC2360	92.91	XPC3150	124.02	SPC4250	167.32	SPC5600	220.47	SPC8000	314.96
XPC2500	98.43	XPC3350	131.89	SPC4500	177.17	SPC6000	236.22		

*Denotes cog construction.

HEX



Part No: BB75

BB	B Section Double Classical Profile 0.66″ Center Width
75	Approximate 75″ Inside Length

APPLICATIONS

Used on drives having one or more reverse bends and usually where power must be transmitted to or from the belt in both the usual and reverse positions.

- Lawn and Garden Equipment
- Agitators
- Conveyors
- Mixers
- Mule Drives
- Crushers

KEY FEATURES & BENEFITS

- Dual-sided classical profile.
- High-strength Vytacord® tensile members.
- Engineered rubber compound-impregnated envelope.
- Engineered rubber cushion and insulation.
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.*

DEPENDABLE POWER FROM BOTH SIDES

Hex belts, also known as double V-belts, are designed for use on drives with one or more reverse bends. They usually transmit power from both sides of the belt.

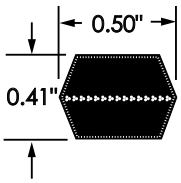
To meet the multiple-bend and dual-power requirements, we build Hex belts with rugged Vytacord tension members. They deliver maximum strength with minimum elongation. They also work with all the other quality materials that are a part of our Hex belts to deliver maximum performance over a long, trouble-free life.

Hex belts are available in AA, BB, and CC cross sections. A special Dry Can Hex construction is available with a special deep CC cross section designated CCP.

*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

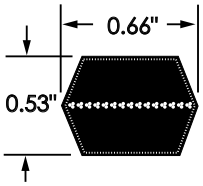
HEX

AA



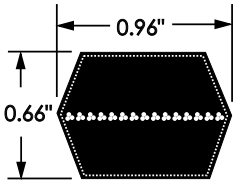
Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
AA51	54.4	AA68	71.4	AA90	93.4	AA120	123.4
AA55	58.4	AA70	73.4	AA92	95.4	AA128	131.4
AA60	63.4	AA75	78.4	AA96	99.4		
AA64	67.4	AA80	83.4	AA105	108.4		
AA66	69.4	AA85	88.4	AA112	115.4		

BB



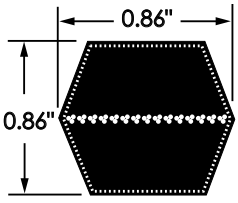
Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
BB35	39.6	BB83	87.6	BB120	124.6	BB182	186.6
BB38	42.6	BB85	89.6	BB122	126.6	BB190	194.6
BB42	46.6	BB90	94.6	BB123	127.6	BB195	199.6
BB43	47.6	BB92	96.6	BB124	128.6	BB210	214.6
BB45	49.6	BB93	97.6	BB128	132.6	BB225	228.1
BB46	50.6	BB94	98.6	BB129	133.6	BB226	229.1
BB53	57.6	BB96	100.6	BB130	134.6	BB228	231.1
BB55	59.6	BB97	101.6	BB136	140.6	BB230	233.1
BB60	64.6	BB103	107.6	BB140	144.6	BB240	243.1
BB64	68.6	BB105	109.6	BB144	148.6	BB255	258.1
BB68	72.6	BB107	111.6	BB155	159.6	BB267	270.1
BB71	75.6	BB108	112.6	BB158	162.6	BB270	273.1
BB72	76.6	BB111	115.6	BB162	166.6	BB273	276.1
BB73	77.6	BB112	116.6	BB168	172.6	BB277	280.1
BB74	78.6	BB116	120.6	BB169	173.6	BB278	281.1
BB75	79.6	BB117	121.6	BB173	177.6	BB285	288.1
BB81	85.6	BB118	122.6	BB180	184.6	BB300	308.1

CC



Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
CC75	81.4	CC120	126.4	CC173	179.4	CC270	274.4
CC81	87.4	CC128	134.4	CC180	186.4	CC300	304.4
CC85	91.4	CC136	142.4	CC195	201.4	CC330	334.4
CC90	96.4	CC144	150.4	CC210	216.4	CC360	364.4
CC96	102.4	CC148	154.4	CC225	229.4	CC390	394.4
CC105	111.4	CC158	164.4	CC240	244.4	CC420	424.4
CC112	118.4	CC162	168.4	CC255	259.4		

CCP



Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
CCP240	244.9	CCP408	412.9	CCP550	554.9	CCP700	704.9
CCP255	259.9	CCP420	424.9	CCP578	582.9	CCP720	724.9
CCP270	274.9	CCP440	444.9	CCP600	604.9	CCP750	754.9
CCP300	304.9	CCP450	454.9	CCP640	644.9	CCP780	784.9
CCP330	334.9	CCP470	474.9	CCP660	664.9	CCP800	804.9
CCP360	364.9	CCP480	484.9	CCP670	674.9	CCP840	844.9
CCP390	394.9	CCP540	544.9	CCP680	684.9	CCP900	904.9

INSTA-POWER® (FLEXTEN® CLASSICAL)

Part No: 84310

84	Top Width Designation: 84 denotes 4/8″ top width
31	Length in Inches
0	Tenths of an Inch
	A29F — Equivalent Classical Size

BUILT FOR STRENGTH & ENDURANCE

Every element of the Insta-Power belt is designed to deliver premium, long-life performance in demanding outdoor power equipment service. Insta-Power belts are engineered to take the abuse of repeated sudden shock loads, tolerate high ambient temperatures, and resist the damaging effects of oil and dust.

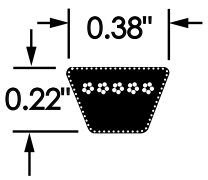
The fabric cover on Insta-Power belts is impregnated with our exclusive engineered rubber compound for high-wear, abrasion, and oil resistance. It also resists drying and cracking, even at high temperatures. The compression section is specially compounded to provided the excellent flexibility required for a wide variety of high-stress drives. The load carrying tensile members are high-strength Flexten cable cord with proven reliability in lawn and garden applications.

APPLICATIONS

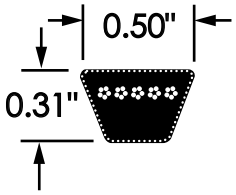
Delivers high performance consistently in lawn and garden drives up to 20 horsepower. Also ideal for other power equipment where reverse bend idlers, misalignment, and quarter-turn drives cause ordinary belts to fail.

KEY FEATURES & BENEFITS

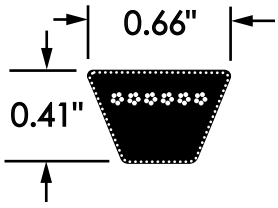
- Flexten classical profile construction.
- High-strength Flexten tensile members.
- Engineered rubber cushion compound.
- Premium envelope construction.
- Triple part number branding (Insta-Power, Classical, and Fraction horsepower).
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.**



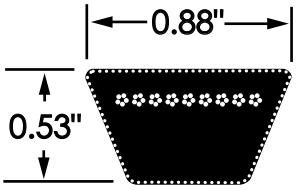
83 (3/8")
3L SECTION



84 (4/8")
A SECTION
OR 4L SECTION



85 (5/8")
B SECTION
OR 5L SECTION



87 (7/8")
C SECTION

83 3L SECTION

Instapower							
83170*	83225^	83255*	83300	83350	83400	83450	83510*
83180*	83230^	83260	83310	83360	83410	83460*	83560*
83190	83235^	83270	83315	83370^	83415*	83470*	83570
83200	83240	83280	83320	83375*	83420	83480*	83610*
83210	83245^	83290^	83330	83380	83430	83490*	
83220^	83250	83295*	83340	83390	83440	83500	

*Minimum mandrels apply. **Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement. ^Cut-edge construction.

For sizes not listed, contact Veyance customer service for construction.

INSTA-POWER® (FLEXTEN® CLASSICAL)

84 A SECTION OR 4L SECTION

Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical
84170*	A15F	84300	A28F	84385		84500	A48F	84670	A65F	84840	A82F
84180*	A16F	84305		84390	A37F	84510	A49F	84680	A66F	84850	A83F
84190	A17F	84310	A29F	84400	A38F	84520	A50F	84690	A67F	84860	A84F
84200	A18F	84315		84405*		84530	A51F	84700	A68F	84870	A85F
84210	A19F	84320	A30F	84410	A39F	84540	A52F	84710	A69F	84880	A86F
84220	A20F	84325		84415*		84550	A53F	84720	A70F	84890	A87F
84230	A21F	84330	A31F	84420	A40F	84560	A54F	84730	A71F	84900	A88F
84240	A22F	84335		84425		84570	A55F	84740	A72F	84910	A89F
84250	A23F	84340	A32F	84430	A41F	84580	A56F	84750	A73F	84920	A90F
84255		84345		84440	A42F	84590	A57F	84760	A74F	84930	A91F
84260*	A24F	84350	A33F	84450	A43F	84600	A58F	84770	A75F	84940	A92F
84270	A25F	84355		84460	A44F	84610	A59F	84780	A76F	84950	A93F
84275		84360	A34F	84470	A45F	84620	A60F	84790	A77F	84960	A94F
84280	A26F	84365		84475		84630	A61F	84800	A78F	84970	A95F
84285*		84370	A35F	84480	A46F	84640	A62F	84810	A79F	84980	A96F
84290	A27F	84375		84485*		84650	A63F	84820	A80F	84990	A97F
84295		84380	A36F	84490	A47F	84660	A64F	84830	A81F	84999	A98F

*Minimum mandrels apply.

85 B SECTION OR 5L SECTION

Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical
85240	B21F	85360	B33F	85490	B46F	85620	B59F	85750	B72F	85880	B85F
85250	B22F	85370	B34F	85500	B47F	85630	B60F	85760	B73F	85890	B86F
85260	B23F	85380	B35F	85510	B48F	85640	B61F	85770	B74F	85900	B87F
85270	B24F	85390	B36F	85520	B49F	85650	B62F	85780	B75F	85910	B88F
85280	B25F	85400	B37F	85530	B50F	85660	B63F	85790	B76F	85920	B89F
85290	B26F	85410	B38F	85540	B51F	85670	B64F	58800	B77F	85930	B90F
85300	B27F	85420	B39F	85550	B52F	85680	B65F	85810	B78F	85940	B91F
85310	B28F	85430	B40F	85560	B53F	85690	B66F	85820	B79F	85950	B92F
85320	B29F	85440	B41F	85570	B54F	85700	B67F	85830	B80F	85960	B93F
85330	B30F	85450	B42F	85580	B55F	85710	B68F	85540	B81F	85970	B94F
85335		85460	B43F	85590	B56F	85720	B69F	85850	B82F	85980*	B95F
85340	B31F	85470	B44F	85600	B57F	85730	B70F	85860	B83F	85990	B96F
85350	B32F	85480	B45F	85610	B58F	85740	B71F	85870	B84F	85999	B97F

*Minimum mandrels apply.

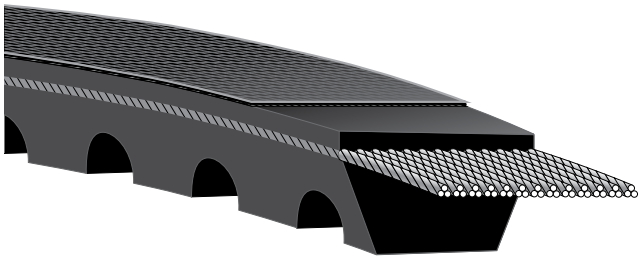
87 C SECTION

Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical	Instapower	Flexten Classical
87720	C68F	87850	C81F	87940	C90F	871040	C100F	871160	C112F	871320	C128F
87790	C75F	87890	C85F	871000	C96F	871090	C105F	871240	C120F		

*Minimum mandrels apply.

For sizes not listed, contact Veyance customer service for construction.

FHP



Part No: 4L560
4L 0.50″ Top Width
560 56.0″ Nominal Outside Length
Cut-Edge, Molded Cog Construction Shown

Applications

For light-duty fractional horsepower motors. Molded cogs allow for use in applications where the belt is expected to perform around smaller sheave diameters.

- Shop Equipment
- Home Appliances
- Light-Duty Machinery
- Blowers

Key Features & Benefits

- Universal classical profile.
- Engineered rubber cushion and insulation.
- Cut-edge, molded cogged construction.
- Heat, ozone, and abrasion resistant.

Quiet, Smooth-Running, Exceptionally Energy Efficient

You no longer have to accept the lower energy efficiency associated with envelope belts on fractional horsepower lightduty drives. Advanced V-belt technology has resulted in the development of a cut-edge, molded cog construction which exceeds conventional envelope belts in every performance category except oil resistance. This has been confirmed in extensive testing which proves that our FHP V-belts run smoother and quieter, last longer, and substantially improve energy efficiency compared to noncogged belts.

Cogged for Cooler Running

The cogged design of our FHP V-belts (standard on 4L and 5L sizes) provides a greater surface area for heat dissipation and allows increased air flow around the belt during operation. These factors help to reduce internal belt temperatures and greatly improve belt life. Of course, the cogged design also improves flexibility, an especially important consideration where minimum or substandard sheave diameters are involved.

Low Vibration for Low Noise

Low cross section vibration in rubber-edged, cogged belts reduces noise generation. This allows you to take advantage of the longer life and high efficiency of FHP V-belts in noise-sensitive equipment. But even in typical factory settings, our FHP V-belts contribute to a quieter operating environment.

Superior Efficiency for Improved Performance

The historic inefficiency of FHP drives can be traced directly to the inability of a relatively large envelope belt to transmit a low-power force efficiently. Transmission loss is especially significant in factories using large numbers of drives and where small diameter sheaves are involved. The aggregate loss can be significant enough to have an adverse effect on equipment performance.

These FHP V-belts efficiency begins at 93% when used with smaller sheaves and increases dramatically as the sheave diameter increases (Figure 1). Since more of the rated power of the drive is delivered, actual performance nearly matches design performance.

In addition, the efficiency of our FHP V-belts offers you the opportunity to achieve full operating power requirements with a lower horsepower drive, reduced energy requirements, or both. These considerations can provide highly desirable economic advantages whether you're a drive manufacturer or a drive user.

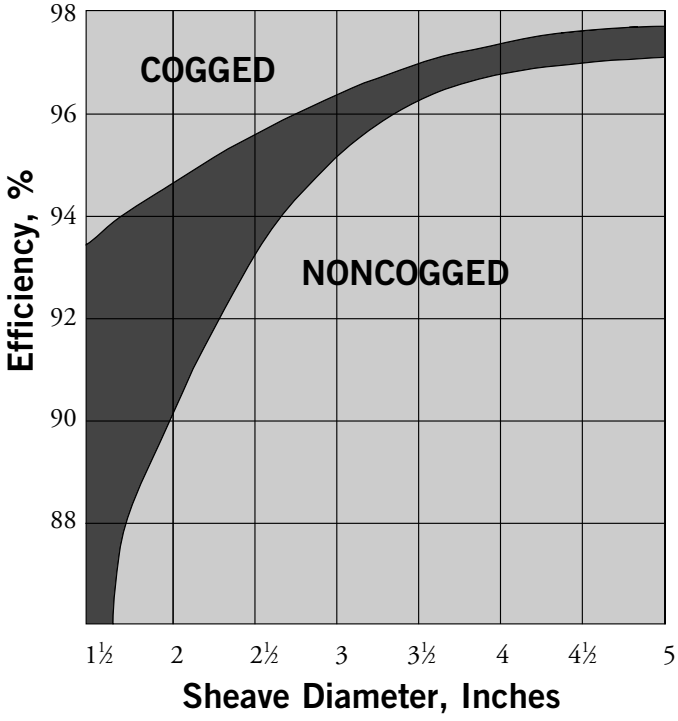
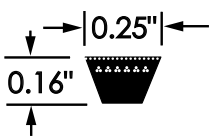


Figure 1 – Efficiency comparison of cogged vs. noncogged FHP V-belts (4L section).

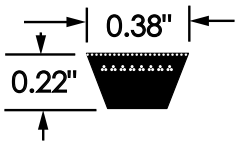
FHP

2 L



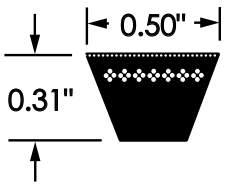
Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
2L120	12	2L180	18	2L240	24	2L320	32
2L140	14	2L190	19	2L260	26		
2L150	15	2L200	20	2L300	30		
2L160	16	2L220	22	2L310	31		

3 L



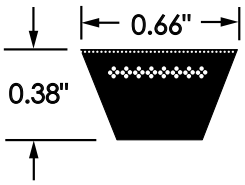
Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
3L120	12	3L270	27	3L430	43	3L580	58
3L130	13	3L280	28	3L440	44	3L590	59
3L140	14	3L290	29	3L450	45	3L600	60
3L150	15	3L300	30	3L460	46	3L610	61
3L160	16	3L310	31	3L470	47	3L620	62
3L170	17	3L320	32	3L480	48	3L630	63
3L180	18	3L330	33	3L490	49	3L640	64
3L190	19	3L340	34	3L500	50	3L650	65
3L200	20	3L350	35	3L510	51	3L660	66
3L210	21	3L360	36	3L520	52	3L670	67
3L220	22	3L370	37	3L530	53	3L690	69
3L230	23	3L380	38	3L540	54	3L730	73
3L240	24	3L390	39	3L550	55	3L740	74
3L250	25	3L400	40	3L560	56	3L760	76
3L260	26	3L420	42	3L570	57		

4 L



Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
4L150	15	4L270	27	4L400	40	4L520	52
4L160	16	4L280	28	4L410	41	4L530	53
4L170	17	4L290	29	4L420	42	4L540	54
4L180	18	4L300	30	4L430	43	4L550	55
4L190	19	4L320	32	4L440	44	4L560	56
4L200	20	4L330	33	4L450	45	4L570	57
4L210	21	4L340	34	4L460	46	4L580	58
4L220	22	4L350	35	4L470	47	4L590	59
4L230	23	4L360	36	4L480	48	4L600	60
4L240	24	4L370	37	4L490	49		
4L250	25	4L380	38	4L500	50		
4L260	26	4L390	39	4L510	51		

5 L



Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)	Part Number	Approx. Outside Length (in)
5L230	23	5L330	33	5L430	43	5L530	53
5L240	24	5L340	34	5L440	44	5L540	54
5L250	25	5L350	35	5L450	45	5L550	55
5L260	26	5L360	36	5L460	46	5L560	56
5L270	27	5L370	37	5L470	47	5L570	57
5L280	28	5L380	38	5L480	48	5L580	58
5L290	29	5L390	39	5L490	49	5L590	59
5L300	30	5L400	40	5L500	50	5L600	60
5L310	31	5L410	41	5L510	51		
5L320	32	5L420	42	5L520	52		

METAL SHEAVES/PULLEYS

Part No: 3V3.0-2-JA

3V	Cross Section
3.0	3″ Pulley Diameter
2	2 Grooves/Teeth
JA	Bushing

3V NARROW (ULTRA-V) SHEAVES

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
3V2.2-1-JA	20180540	0.6	3V4.5-2-SH	20180589	2.8	3V6.0-2-SH	20180626	4.5
3V2.2-2-JA	20180541	0.7	3V4.5-3-SDS	20180590	3.1	3V6.0-3-SDS	20180627	6.1
3V2.35-1-JA	20180542	0.8	3V4.5-4-SDS	20180591	3.5	3V6.0-4-SK	20180628	7.8
3V2.35-2-JA	20180543	1.0	3V4.75-1-SH	20180593	2.6	3V6.0-5-SK	20180629	8.5
3V2.5-1-JA	20180544	0.9	3V4.75-2-SH	20180594	3.2	3V6.0-6-SK	20180630	9.2
3V2.5-2-JA	20180545	1.1	3V4.75-3-SDS	20180595	3.6	3V6.0-8-SK	20180631	10.8
3V2.5-3-JA	20180546	1.4	3V4.75-4-SDS	20180596	4.1	3V6.0-10-SK	20180624	12.4
3V2.65-1-JA	20180547	0.6	3V4.75-5-SDS	20180597	4.7	3V6.5-1-SH	20180633	4.0
3V2.65-2-JA	20180548	0.8	3V4.75-6-SK	20180598	5.2	3V6.5-2-SDS	20180634	4.8
3V2.65-3-JA	20180549	1.1	3V4.75-8-SK	20180599	6.4	3V6.5-3-SDS	20180635	5.8
3V2.65-4-JA	20180550	1.4	3V4.75-10-SK	20180592	7.6	3V6.5-4-SK	20180636	9.3
3V2.8-1-JA	20180551	0.7	3V5.0-1-SH	20180601	2.9	3V6.5-5-SK	20180637	10.1
3V2.8-2-JA	20180552	1.0	3V5.0-2-SH	20180602	3.6	3V6.5-6-SK	20180638	10.9
3V2.8-3-JA	20180553	1.3	3V5.0-3-SDS	20180603	4.1	3V6.5-8-SK	20180639	12.6
3V2.8-4-JA	20180554	1.6	3V5.0-4-SDS	20180604	4.6	3V6.5-10-SK	20180632	14.2
3V3.0-1-JA	20180562	0.8	3V5.0-5-SDS	20180605	5.2	3V6.9-1-SH	20180641	3.3
3V3.0-2-JA	20180563	1.2	3V5.0-6-SK	20180606	6.0	3V6.9-2-SDS	20180642	5.5
3V3.0-3-SH	20180564	1.6	3V5.0-8-SK	20180607	7.3	3V6.9-3-SDS	20180643	6.4
3V3.0-4-SH	20180565	1.9	3V5.0-10-SK	20180600	8.5	3V6.9-4-SK	20180644	10.9
3V3.15-1-JA	20180566	0.9	3V5.3-1-SH	20180609	3.1	3V6.9-5-SK	20180645	11.6
3V3.15-2-JA	20180567	1.4	3V5.3-2-SH	20180610	4.1	3V6.9-6-SK	20180646	12.5
3V3.15-3-SH	20180568	2.0	3V5.3-3-SDS	20180611	4.6	3V6.9-8-SK	20180647	14.3
3V3.15-4-SH	20180569	2.3	3V5.3-4-SDS	20180612	5.1	3V6.9-10-SK	20180640	16.1
3V3.35-1-JA	20180570	1.1	3V5.3-5-SK	20180613	6.2	3V8.0-1-SDS	20180649	4.4
3V3.35-2-SH	20180571	1.3	3V5.3-6-SK	20180614	6.9	3V8.0-2-SDS	20180650	5.4
3V3.35-3-SH	20180572	1.7	3V5.3-8-SK	20180615	8.3	3V8.0-3-SK	20180651	8.6
3V3.35-4-SH	20180573	2.2	3V5.3-10-SK	20180608	9.6	3V8.0-4-SK	20180652	10.1
3V3.65-1-SH	20180574	1.4	3V5.6-1-SH	20180617	3.5	3V8.0-5-SK	20180653	11.6
3V3.65-2-SH	20180575	1.7	3V5.6-2-SH	20180618	4.6	3V8.0-6-SK	20180655	12.7
3V3.65-3-SH	20180576	2.3	3V5.6-3-SDS	20180619	5.2	3V8.0-8-SF	20180656	19.0
3V3.65-4-SH	20180577	2.9	3V5.6-4-SDS	20180620	5.7	3V8.0-10-SF	20180648	21.2
3V4.12-1-SH	20180584	1.9	3V5.6-5-SK	20180621	7.1	3V10.6-1-SDS	20180517	7.1
3V4.12-2-SH	20180585	2.2	3V5.6-6-SK	20180622	7.8	3V10.6-2-SK	20180518	11.1
3V4.12-3-SH	20180586	2.7	3V5.6-8-SK	20180623	9.3	3V10.6-3-SK	20180519	12.7
3V4.12-4-SH	20180587	3.2	3V5.6-10-SK	20180616	10.7	3V10.6-4-SK	20180520	15.3
3V4.5-1-SH	20180588	2.3	3V6.0-1-SH	20180625	3.5	3V10.6-5-SK	20180521	16.9

*Weight does not include bushing and is approximate.

continued on page 78

3V Narrow (Ultra-V) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
3V10.6-6-SF	20180522	19.1	3V19.0-1-SK	20180533	18.6	3V25.0-5-E	20180559	66.1
3V10.6-8-SF	20180523	22.2	3V19.0-2-SK	20180534	22.2	3V25.0-6-E	20180560	77.7
3V10.6-10-E	20180516	33.2	3V19.0-3-SF	20180535	33.3	3V25.0-8-E	20180561	92.5
3V14.0-1-SK	20180525	12.4	3V19.0-4-SF	20180536	36.3	3V25.0-10-F	20180555	115.8
3V14.0-2-SK	20180526	15.4	3V19.0-5-SF	20180537	43.1	3V33.5-3-SF	20180579	70.8
3V14.0-3-SK	20180527	19.1	3V19.0-6-E	20180538	49.6	3V33.5-4-E	20180580	99.4
3V14.0-4-SK	20180528	22.1	3V19.0-8-E	20180539	61.6	3V33.5-5-E	20180581	105.8
3V14.0-5-SF	20180529	26.7	3V19.0-10-E	20180532	70.7	3V33.5-6-E	20180582	122.0
3V14.0-6-SF	20180530	28.9	3V25.0-2-SF	20180556	37.7	3V33.5-8-F	20180583	144.4
3V14.0-8-E	20180531	43.4	3V25.0-3-SF	20180557	42.0	3V33.5-10-F	20180578	178.1
3V14.0-10-E	20180524	47.8	3V25.0-4-SF	20180558	55.3			

*Weight does not include bushing and is approximate.

5V Narrow (Ultra-V) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
5V4.4-2-SH	20180815	3.3	5V6.3-5-SK	20180857	12.3	5V8.5-5-E	20180891	23.9
5V4.4-3-SDS	20180816	4.2	5V6.3-6-SK	20180858	13.8	5V8.5-6-E	20180892	26.4
5V4.4-4-SD	20180817	5.2	5V6.7-2-SK	20180859	9.0	5V8.5-7-E	20180893	28.8
5V4.4-5-SD	20180818	6.2	5V6.7-3-SK	20180860	10.7	5V8.5-8-E	20180894	31.2
5V4.4-6-SD	20180819	7.1	5V6.7-4-SK	20180861	12.3	5V8.5-9-E	20180895	33.7
5V4.65-2-SDS	20180820	3.4	5V6.7-5-SF	20180862	13.6	5V8.5-10-E	20180887	36.1
5V4.65-3-SDS	20180821	4.8	5V6.7-6-SF	20180863	15.2	5V9.0-2-SK	20180897	13.4
5V4.65-4-SD	20180822	6.0	5V7.1-2-SK	20180864	10.4	5V9.0-3-SF	20180898	20.3
5V4.65-5-SD	20180823	7.0	5V7.1-3-SF	20180865	11.8	5V9.0-4-E	20180899	24.6
5V4.65-6-SD	20180824	8.0	5V7.1-4-SF	20180866	13.6	5V9.0-5-E	20180900	27.2
5V4.9-2-SDS	20180825	3.8	5V7.1-5-SF	20180867	15.4	5V9.0-6-E	20180901	29.8
5V4.9-3-SDS	20180826	4.9	5V7.1-6-SF	20180868	17.3	5V9.0-7-E	20180902	32.4
5V4.9-4-SD	20180827	6.6	5V7.1-7-SF	20180869	19.1	5V9.0-8-E	20180903	35.0
5V4.9-5-SD	20180828	7.6	5V7.1-8-SF	20180870	21.0	5V9.0-9-E	20180904	37.6
5V4.9-6-SD	20180829	8.6	5V7.5-2-SK	20180871	12.0	5V9.0-10-F	20180896	44.5
5V5.2-2-SDS	20180830	4.4	5V7.5-3-SF	20180872	13.6	5V9.25-2-SK	20180906	13.7
5V5.2-3-SDS	20180831	5.6	5V7.5-4-SF	20180873	15.7	5V9.25-3-SF	20180907	17.4
5V5.2-4-SD	20180832	7.6	5V7.5-5-SF	20180874	17.8	5V9.25-4-E	20180908	25.9
5V5.2-5-SD	20180833	8.8	5V7.5-6-SF	20180875	19.9	5V9.25-5-E	20180909	28.5
5V5.2-6-SD	20180834	9.9	5V7.5-7-SF	20180876	22.0	5V9.25-6-E	20180910	31.0
5V5.5-2-SDS	20180835	5.1	5V7.5-8-SF	20180877	24.1	5V9.25-7-E	20180911	33.5
5V5.5-3-SDS	20180836	6.4	5V8.0-2-SK	20180879	13.9	5V9.25-8-F	20180912	41.3
5V5.5-4-SD	20180837	8.7	5V8.0-3-SF	20180880	15.7	5V9.25-9-F	20180913	43.8
5V5.5-5-SD	20180838	10.0	5V8.0-4-E	20180881	18.6	5V9.25-10-F	20180905	46.4
5V5.5-6-SD	20180839	11.3	5V8.0-5-E	20180882	20.9	5V9.75-2-SK	20180915	12.6
5V5.9-2-SDS	20180840	5.8	5V8.0-6-E	20180883	23.1	5V9.75-3-SF	20180916	19.7
5V5.9-3-SDS	20180841	7.3	5V8.0-7-E	20180884	25.4	5V9.75-4-E	20180917	29.2
5V5.9-4-SD	20180842	10.0	5V8.0-8-E	20180885	27.7	5V9.75-5-E	20180918	31.9
5V5.9-5-SK	20180843	10.6	5V8.0-9-E	20180886	30.0	5V9.75-6-E	20180919	34.6
5V5.9-6-SK	20180844	12.0	5V8.0-10-E	20180878	32.2	5V9.75-7-E	20180920	37.2
5V6.3-2-SK	20180854	7.6	5V8.5-2-SK	20180888	12.2	5V9.75-8-F	20180921	46.6
5V6.3-3-SK	20180855	9.2	5V8.5-3-SF	20180889	17.9	5V9.75-9-F	20180922	49.3
5V6.3-4-SK	20180856	10.7	5V8.5-4-E	20180890	21.5	5V9.75-10-F	20180914	52.0

*Weight does not include bushing and is approximate.

continued on page 79

5V Narrow (Ultra-V) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
5V10.3-2-SK	20180658	13.7	5V13.2-4-E	20180715	35.8	5V21.2-6-F	20180771	96.2
5V10.3-3-SF	20180659	20.7	5V13.2-5-E	20180716	39.9	5V21.2-7-J	20180773	115.3
5V10.3-4-E	20180660	27.1	5V13.2-6-F	20180717	59.2	5V21.2-8-J	20180774	122.9
5V10.3-5-E	20180661	30.4	5V13.2-7-F	20180719	63.5	5V21.2-9-J	20180775	130.0
5V10.3-6-E	20180662	33.7	5V13.2-8-F	20180720	67.5	5V21.2-10-J	20180766	143.5
5V10.3-7-F	20180664	50.1	5V13.2-9-F	20180722	73.6	5V23.6-2-E	20180778	54.8
5V10.3-8-F	20180665	53.0	5V13.2-10-J	20180711	83.0	5V23.6-3-E	20180779	69.1
5V10.3-9-F	20180666	55.9	5V14.0-2-SF	20180724	22.9	5V23.6-4-F	20180780	87.9
5V10.3-10-F	20180657	58.9	5V14.0-3-E	20180725	31.6	5V23.6-5-F	20180781	101.6
5V10.9-2-SK	20180668	14.5	5V14.0-4-E	20180726	37.9	5V23.6-6-J	20180782	117.5
5V10.9-3-SF	20180669	19.4	5V14.0-5-E	20180727	42.3	5V23.6-7-J	20180784	125.8
5V10.9-4-E	20180670	29.1	5V14.0-6-F	20180728	64.2	5V23.6-8-J	20180785	138.7
5V10.9-5-E	20180671	32.7	5V14.0-7-F	20180730	68.7	5V23.6-9-J	20180786	149.2
5V10.9-6-E	20180672	36.2	5V14.0-8-F	20180731	72.9	5V23.6-10-M	20180776	211.1
5V10.9-7-F	20180674	56.7	5V14.0-9-F	20180732	79.8	5V28.0-2-E	20180788	71.1
5V10.9-8-F	20180675	59.8	5V14.0-10-J	20180723	89.4	5V28.0-3-E	20180789	94.4
5V10.9-9-F	20180676	62.9	5V15.0-2-SF	20180735	24.8	5V28.0-4-F	20180790	115.2
5V10.9-10-F	20180667	65.9	5V15.0-3-E	20180736	35.7	5V28.0-5-F	20180791	132.7
5V11.3-2-SK	20180679	16.3	5V15.0-4-E	20180737	40.8	5V28.0-6-J	20180792	153.1
5V11.3-3-SF	20180680	21.2	5V15.0-5-E	20180738	47.0	5V28.0-7-J	20180794	165.1
5V11.3-4-E	20180681	33.1	5V15.0-6-F	20180739	61.7	5V28.0-8-J	20180795	175.1
5V11.3-5-E	20180682	36.7	5V15.0-7-F	20180741	66.6	5V28.0-9-M	20180796	239.1
5V11.3-6-E	20180683	40.9	5V15.0-8-F	20180742	71.1	5V28.0-10-M	20180787	249.3
5V11.3-7-F	20180685	62.9	5V15.0-9-J	20180744	93.6	5V31.5-3-F	20180798	118.1
5V11.3-8-F	20180686	66.5	5V15.0-10-J	20180733	93.2	5V31.5-4-F	20180799	131.3
5V11.3-9-F	20180687	70.1	5V16.0-2-SF	20180747	27.1	5V31.5-5-J	20180800	158.7
5V11.3-10-F	20180677	73.6	5V16.0-3-E	20180748	38.2	5V31.5-6-J	20180801	182.1
5V11.8-2-SK	20180690	17.1	5V16.0-4-E	20180749	44.1	5V31.5-7-J	20180803	196.2
5V11.8-3-SF	20180691	23.7	5V16.0-5-E	20180750	50.5	5V31.5-8-M	20180804	261.1
5V11.8-4-E	20180692	34.9	5V16.0-6-F	20180751	66.0	5V31.5-9-M	20180805	277.1
5V11.8-5-E	20180693	38.5	5V16.0-7-F	20180753	72.2	5V31.5-10-M	20180797	294.5
5V11.8-6-E	20180694	43.5	5V16.0-8-F	20180754	77.0	5V37.5-3-F	20180807	151.5
5V11.8-7-F	20180696	53.9	5V16.0-9-J	20180755	93.1	5V37.5-4-F	20180808	181.9
5V11.8-8-F	20180697	57.5	5V16.0-10-J	20180745	98.1	5V37.5-5-J	20180809	221.6
5V11.8-9-F	20180699	61.1	5V18.7-2-SF	20180757	36.3	5V37.5-6-J	20180810	237.8
5V11.8-10-F	20180688	64.6	5V18.7-3-E	20180758	47.5	5V37.5-7-M	20180812	315.0
5V12.5-2-SF	20180702	18.9	5V18.7-4-E	20180759	57.3	5V37.5-8-M	20180813	331.6
5V12.5-3-E	20180703	28.3	5V18.7-5-F	20180760	76.5	5V37.5-9-M	20180814	363.9
5V12.5-4-E	20180704	33.7	5V18.7-6-F	20180761	83.0	5V37.5-10-M	20180806	386.4
5V12.5-5-E	20180705	37.5	5V18.7-7-F	20180763	89.3	5V50.0-3-F	20180846	222.5
5V12.5-6-F	20180706	54.7	5V18.7-8-J	20180764	106.3	5V50.0-4-J	20180847	240.8
5V12.5-7-F	20180708	58.7	5V18.7-9-J	20180765	112.7	5V50.0-5-J	20180848	296.8
5V12.5-8-F	20180709	62.4	5V18.7-10-J	20180756	120.4	5V50.0-6-M	20180849	367.5
5V12.5-9-F	20180710	66.4	5V21.2-2-SF	20180767	42.1	5V50.0-7-M	20180851	422.1
5V12.5-10-J	20180700	77.0	5V21.2-3-E	20180768	54.2	5V50.0-8-M	20180852	472.7
5V13.2-2-SF	20180713	20.1	5V21.2-4-E	20180769	66.5	5V50.0-9-M	20180853	494.6
5V13.2-3-E	20180714	30.2	5V21.2-5-F	20180770	87.0	5V50.0-10-M	20180845	548.3

*Weight does not include bushing and is approximate.

8V Narrow (Ultra-V) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
8V12.5-4-F	20180925	75.0	8V18.0-5-J	20180962	131.5	8V30.0-6-M	20180999	319.8
8V12.5-5-F	20180926	82.8	8V18.0-6-J	20180963	143.6	8V30.0-8-N	20181000	410.9
8V12.5-6-F	20180927	90.6	8V18.0-8-M	20180964	213.4	8V30.0-10-N	20180995	505.8
8V12.5-8-J	20180928	113.0	8V18.0-10-M	20180959	248.1	8V30.0-12-P	20180996	584.5
8V12.5-10-J	20180923	132.8	8V18.0-12-M	20180960	303.2	8V35.5-4-M	20181003	294.6
8V12.5-12-M	20180924	163.1	8V19.0-4-F	20180967	116.7	8V35.5-5-M	20181004	356.9
8V13.2-4-F	20180931	68.0	8V19.0-5-J	20180968	142.2	8V35.5-6-N	20181005	415.8
8V13.2-5-F	20180932	77.7	8V19.0-6-J	20180969	155.1	8V35.5-8-N	20181006	523.9
8V13.2-6-F	20180933	86.1	8V19.0-8-M	20180970	228.7	8V35.5-10-P	20181001	618.4
8V13.2-8-J	20180934	109.1	8V19.0-10-M	20180965	266.1	8V35.5-12-P	20181002	711.2
8V13.2-10-J	20180929	132.5	8V19.0-12-N	20180966	329.2	8V40.0-4-M	20181009	373.0
8V13.2-12-M	20180930	185.2	8V20.0-4-J	20180973	112.3	8V40.0-5-M	20181010	406.3
8V14.0-4-F	20180937	74.0	8V20.0-5-J	20180974	151.5	8V40.0-6-N	20181011	498.1
8V14.0-5-F	20180938	84.7	8V20.0-6-M	20180975	208.1	8V40.0-8-N	20181012	599.7
8V14.0-6-F	20180939	93.6	8V20.0-8-M	20180976	250.6	8V40.0-10-P	20181007	730.3
8V14.0-8-J	20180940	118.1	8V20.0-10-M	20180971	283.9	8V40.0-12-P	20181008	821.9
8V14.0-10-J	20180935	144.9	8V20.0-12-N	20180972	350.4	8V44.5-4-M	20181015	400.2
8V14.0-12-M	20180936	210.9	8V21.2-4-J	20180979	126.8	8V44.5-5-N	20181016	486.2
8V15.0-4-F	20180943	82.2	8V21.2-5-J	20180980	167.8	8V44.5-6-N	20181017	521.6
8V15.0-5-F	20180944	94.3	8V21.2-6-M	20180981	228.6	8V44.5-8-P	20181018	696.2
8V15.0-6-J	20180945	111.1	8V21.2-8-M	20180982	269.8	8V44.5-10-P	20181013	766.9
8V15.0-8-J	20180946	130.4	8V21.2-10-M	20180977	306.0	8V44.5-12-P	20181014	895.4
8V15.0-10-M	20180941	224.5	8V21.2-12-N	20180978	369.3	8V53.0-4-M	20181021	509.6
8V15.0-12-M	20180942	245.5	8V22.4-4-J	20180985	138.2	8V53.0-5-N	20181022	624.8
8V16.0-4-F	20180949	88.4	8V22.4-5-M	20180986	241.6	8V53.0-6-N	20181023	705.7
8V16.0-5-F	20180950	101.7	8V22.4-6-M	20180987	246.2	8V53.0-8-P	20181024	886.0
8V16.0-6-J	20180951	121.5	8V22.4-8-M	20180988	303.7	8V53.0-10-P	20181019	1024.0
8V16.0-8-J	20180952	142.7	8V22.4-10-N	20180983	359.3	8V53.0-12-W	20181020	1305.2
8V16.0-10-M	20180947	262.0	8V22.4-12-N	20180984	406.5	8V63.0-6-P	20181027	890.4
8V16.0-12-M	20180948	285.1	8V24.8-4-M	20180991	212.8	8V63.0-8-P	20181028	1116.9
8V17.0-4-F	20180955	99.0	8V24.8-5-M	20180992	231.9	8V63.0-10-W	20181025	1412.0
8V17.0-5-J	20180956	117.3	8V24.8-6-M	20180993	250.9	8V63.0-12-W	20181026	1540.5
8V17.0-6-J	20180957	131.8	8V24.8-8-N	20180994	365.7	8V71.0-6-P	20181031	1045.8
8V17.0-8-M	20180958	202.1	8V24.8-10-N	20180989	411.3	8V71.0-8-W	20181032	1478.6
8V17.0-10-M	20180953	234.4	8V24.8-12-N	20180990	464.8	8V71.0-10-W	20181029	1617.3
8V17.0-12-M	20180954	286.6	8V30.0-4-M	20180997	252.0	8V71.0-12-W	20181030	1757.8
8V18.0-4-F	20180961	107.7	8V30.0-5-M	20180998	293.0			

*Weight does not include bushing and is approximate.

"A" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
3.4-2A-SH	20179193	1.9	4.6-2A-SDS	20179273	3.0	18.0-2A-SK	20179098	19.8

*Weight does not include bushing and is approximate.

"A/B" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
3.4-1B-SH	20179192	1.2	5.0-2B-SDS	20179307	4.6	6.2-3B-SD	20179381	10.7
3.4-2B-SH	20179194	2.2	5.0-3B-SD	20179308	7.0	6.2-4B-SD	20179382	11.8
3.4-3B-SH	20179195	3.0	5.0-4B-SD	20179310	8.0	6.2-5B-SK	20179383	13.7
3.4-4B-SD	20179196	4.0	5.0-5B-SD	20179312	9.7	6.2-6B-SK	20179384	15.4
3.4-5B-SD	20179197	4.8	5.0-6B-SD	20179313	10.7	6.2-7B-SF	20179385	16.7
3.4-6B-SD	20179198	5.6	5.2-1B-SDS	20179314	3.3	6.2-8B-SF	20179386	18.5
3.6-1B-SH	20179199	1.4	5.2-2B-SDS	20179316	5.2	6.2-10B-SF	20179378	22.0
3.6-2B-SH	20179200	2.5	5.2-3B-SD	20179317	7.7	6.4-1B-SDS	20179388	4.6
3.6-3B-SH	20179201	3.4	5.2-4B-SD	20179318	9.1	6.4-2B-SDS	20179389	7.1
3.6-4B-SD	20179202	4.6	5.2-5B-SD	20179319	10.5	6.4-3B-SD	20179390	9.4
3.6-5B-SD	20179203	5.5	5.2-6B-SD	20179320	11.9	6.4-4B-SD	20179391	12.3
3.6-6B-SD	20179204	6.4	5.4-1B-SDS	20179322	3.6	6.4-5B-SK	20179392	14.3
3.8-1B-SH	20179205	1.6	5.4-2B-SDS	20179323	5.5	6.4-6B-SK	20179393	16.0
3.8-2B-SH	20179206	2.9	5.4-3B-SD	20179324	8.2	6.4-7B-SF	20179394	17.3
3.8-3B-SH	20179207	3.8	5.4-4B-SD	20179325	9.4	6.4-8B-SF	20179395	19.0
3.8-4B-SD	20179208	5.1	5.4-5B-SK	20179326	10.0	6.4-10B-SF	20179387	22.5
3.8-5B-SD	20179209	6.1	5.4-6B-SK	20179327	11.3	6.6-1B-SDS	20179397	5.4
3.8-6B-SD	20179210	7.0	5.4-7B-SK	20179328	12.7	6.6-2B-SDS	20179398	7.2
4.0-1B-SH	20179254	2.1	5.4-8B-SK	20179329	14.0	6.6-3B-SD	20179399	9.4
4.0-2B-SH	20179255	3.1	5.4-10B-SK	20179321	16.7	6.6-4B-SD	20179400	11.0
4.0-3B-SH	20179256	4.1	5.6-1B-SDS	20179331	3.8	6.6-5B-SK	20179401	15.0
4.0-4B-SD	20179257	5.4	5.6-2B-SDS*	20179332	5.8	6.6-6B-SK	20179402	16.7
4.0-5B-SD	20179258	6.4	5.6-3B-SD*	20179334	8.9	6.6-7B-SF	20179403	18.4
4.0-6B-SD	20179259	7.4	5.6-4B-SD	20179336	10.2	6.6-8B-SF	20179404	20.2
4.2-1B-SH	20179260	2.3	5.6-5B-SK	20179338	10.9	6.6-10B-SF	20179396	23.8
4.2-2B-SH	20179261	3.8	5.6-6B-SK	20179339	12.6	6.8-1B-SDS	20179406	5.6
4.2-3B-SH	20179262	4.5	5.6-7B-SK	20179340	14.1	6.8-2B-SDS*	20179407	7.7
4.2-4B-SD	20179263	5.8	5.6-8B-SK	20179341	15.6	6.8-3B-SD*	20179408	10.4
4.2-5B-SD	20179264	6.8	5.6-10B-SK	20179330	18.6	6.8-4B-SD	20179409	12.3
4.2-6B-SD	20179265	7.9	5.8-1B-SDS	20179343	3.9	6.8-5B-SK	20179410	16.2
4.4-1B-SH	20179266	2.5	5.8-2B-SDS	20179344	6.4	6.8-6B-SK	20179411	18.1
4.4-2B-SH	20179267	3.8	5.8-3B-SD	20179345	9.6	6.8-7B-SF	20179412	19.5
4.4-3B-SH	20179268	4.9	5.8-4B-SD	20179346	11.0	6.8-8B-SF	20179413	21.4
4.4-4B-SD	20179269	6.3	5.8-5B-SK	20179347	11.7	6.8-10B-SF	20179405	25.2
4.4-5B-SD	20179270	7.3	5.8-6B-SK	20179348	13.5	7.0-1B-SDS	20179415	6.1
4.4-6B-SD	20179271	8.4	5.8-7B-SK	20179349	15.1	7.0-2B-SK*	20179417	11.3
4.6-1B-SDS	20179272	2.5	5.8-8B-SK	20179350	16.7	7.0-3B-SK*	20179419	13.2
4.6-2B-SDS	20179274	3.8	5.8-10B-SK	20179342	19.8	7.0-4B-SK	20179421	15.2
4.6-3B-SD	20179275	5.7	6.0-1B-SDS	20179366	4.2	7.0-5B-SF	20179423	16.7
4.6-4B-SD	20179276	6.9	6.0-2B-SDS*	20179367	6.6	7.0-6B-SF	20179425	18.7
4.6-5B-SD	20179277	8.0	6.0-3B-SD*	20179368	10.1	7.0-7B-SF	20179427	20.7
4.6-6B-SD	20179278	9.1	6.0-4B-SD	20179370	11.7	7.0-8B-SF	20179429	22.7
4.8-1B-SDS	20179279	2.8	6.0-5B-SK	20179372	12.5	7.0-10B-SF	20179414	26.6
4.8-2B-SDS	20179280	4.2	6.0-6B-SK	20179374	14.5	7.4-1B-SDS	20179432	6.5
4.8-3B-SD	20179281	6.4	6.0-7B-SF	20179376	15.2	7.4-2B-SK	20179433	11.7
4.8-4B-SD	20179282	7.7	6.0-8B-SF	20179377	16.7	7.4-3B-SK	20179434	14.9
4.8-5B-SD	20179283	9.0	6.0-10B-SF	20179365	19.9	7.4-4B-SK	20179435	14.2
4.8-6B-SD	20179284	9.9	6.2-1B-SDS	20179379	4.3	7.4-5B-SF	20179436	18.5
5.0-1B-SDS	20179306	3.1	6.2-2B-SDS	20179380	6.9	7.4-6B-SF	20179437	20.6

continued on page 82

*Weight does not include bushing and is approximate.

GOODYEAR ENGINEERED PRODUCTS

"A/B" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
7.4-7B-SF	20179438	22.7	12.4-4B-SK	20178973	25.7	18.4-7B-F	20179119	77.1
7.4-8B-SF	20179439	24.8	12.4-5B-SF	20178974	29.5	18.4-8B-F	20179120	86.5
7.4-10B-SF	20179431	28.9	12.4-6B-SF	20178975	34.5	18.4-10B-F	20179112	98.1
8.0-1B-SDS	20179447	7.4	12.4-7B-E	20178976	49.4	20.0-1B-SK	20179126	28.9
8.0-2B-SK*	20179449	11.5	12.4-8B-E	20178977	52.7	20.0-2B-SF	20179128	33.2
8.0-3B-SK*	20179451	13.8	12.4-10B-E	20178969	59.9	20.0-3B-SF	20179130	38.6
8.0-4B-SK	20179453	16.2	13.6-1B-SDS	20179004	13.0	20.0-4B-SF	20179132	49.1
8.0-5B-SF	20179455	19.3	13.6-2B-SK	20179005	18.2	20.0-5B-E	20179135	62.0
8.0-6B-SF	20179457	24.1	13.6-3B-SK	20179006	21.4	20.0-6B-E	20179138	71.4
8.6-1B-SDS	20179473	8.3	13.6-4B-SK	20179007	27.1	20.0-7B-F	20179141	92.3
8.6-2B-SK*	20179474	12.5	13.6-5B-SF	20179008	32.2	20.0-8B-F	20179143	98.8
8.6-3B-SK*	20179475	14.8	13.6-6B-SF	20179009	37.4	20.0-10B-F	20179121	111.9
8.6-4B-SK	20179476	14.6	13.6-7B-E	20179010	48.9	25.0-1B-SF	20179169	40.0
8.6-5B-SF	20179477	17.8	13.6-8B-E	20179011	52.9	25.0-2B-SF	20179170	50.3
8.6-6B-SF	20179478	27.3	13.6-10B-F	20179003	73.2	25.0-3B-SF	20179171	62.8
8.6-7B-E	20179479	31.5	15.4-1B-SK	20179045	16.7	25.0-4B-E	20179172	76.3
8.6-8B-E	20179480	34.0	15.4-2B-SK*	20179046	21.6	25.0-5B-E	20179173	90.3
8.6-10B-E	20179472	38.9	15.4-3B-SK*	20179047	26.3	25.0-6B-E	20179174	109.9
9.4-1B-SDS	20179498	7.4	15.4-4B-SF	20179048	33.0	25.0-7B-F	20179175	123.2
9.4-2B-SK*	20179499	12.5	15.4-5B-SF	20179049	39.3	25.0-8B-F	20179176	135.5
9.4-3B-SK*	20179500	15.1	15.4-6B-SF	20179050	43.1	25.0-10B-F	20179168	115.1
9.4-4B-SK	20179501	21.1	15.4-7B-E	20179051	60.5	30.0-1B-SF	20179214	52.0
9.4-5B-SF	20179502	20.6	15.4-8B-E	20179052	63.9	30.0-2B-SF	20179215	71.2
9.4-6B-SF	20179503	27.1	15.4-10B-F	20179044	85.7	30.0-3B-SF	20179217	87.4
9.4-7B-E	20179504	32.7	16.0-1B-SK	20179065	16.4	30.0-4B-E	20179219	103.2
9.4-8B-E	20179505	34.2	16.0-2B-SK	20179067	21.9	30.0-5B-E	20179221	117.3
9.4-10B-E	20179497	39.9	16.0-3B-SK	20179069	29.1	30.0-6B-E	20179223	129.8
11.0-1B-SDS	20178934	10.7	16.0-4B-SF	20179072	35.8	30.0-7B-F	20179225	151.8
11.0-2B-SK*	20178936	14.2	16.0-5B-SF	20179075	44.1	30.0-8B-F	20179227	162.3
11.0-3B-SK*	20178938	17.6	16.0-6B-SF	20179078	48.8	30.0-10B-F	20179211	193.4
11.0-4B-SK	20178940	24.4	16.0-7B-E	20179081	63.7	38.0-2B-SF	20179247	94.9
11.0-5B-SF	20178942	25.0	16.0-8B-E	20179083	67.0	38.0-3B-E	20179248	136.4
11.0-6B-SF	20178944	29.7	16.0-10B-F	20179060	89.4	38.0-4B-E	20179249	151.1
11.0-7B-E	20178946	42.0	18.4-1B-SK	20179113	19.4	38.0-5B-E	20179250	165.8
11.0-8B-E	20178948	45.3	18.4-2B-SK	20179114	27.6	38.0-6B-E	20179251	183.0
11.0-10B-E	20178931	51.9	18.4-3B-SK	20179115	33.6	38.0-7B-F	20179252	233.0
12.4-1B-SDS	20178970	11.2	18.4-4B-SF	20179116	42.0	38.0-8B-F	20179253	236.5
12.4-2B-SK	20178971	17.0	18.4-5B-SF	20179117	51.8	38.0-10B-J	20179246	290.2
12.4-3B-SK	20178972	20.5	18.4-6B-SF	20179118	57.7			

*Weight does not include bushing and is approximate.

"A/B" Classical (Conventional) Sheaves (Large Bore)

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
5.6-2LB-SF	20332969	6.1	7.0-2LB-SF	20333005	10.8	9.4-2LB-SF	20333011	14.7
5.6-3LB-SF	20333000	7.6	7.0-3LB-SF	20333006	12.7	9.4-3LB-SF	20333012	17.7
6.0-2LB-SF	20333001	7.3	8.0-2LB-SF	20333007	14.8	11.0-2LB-SF	20333013	16.1
6.0-3LB-SF	20333002	8.7	8.0-3LB-SF	20333008	17.1	11.0-3LB-SF	20333014	19.9
6.8-2LB-SF	20333003	10.0	8.6-2LB-SF	20333009	13.0	15.4-2LB-SF	20333015	23.4
6.8-3LB-SF	20333004	11.8	8.6-3LB-SF	20333010	15.3	15.4-3LB-SF	20333016	29.1

*Weight does not include bushing and is approximate.

"C" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
5.0-3C-SD	20179309	8.6	8.5-2C-SF	20179464	16.6	10.0-4C-E	20178914	38.1
5.0-4C-SD	20179311	10.2	8.5-3C-E	20179465	23.7	10.0-5C-E	20178915	42.4
5.6-2C-SD	20179333	8.8	8.5-4C-E	20179466	27.3	10.0-6C-F	20178916	54.0
5.6-3C-SD	20179335	11.1	8.5-5C-E	20179467	30.8	10.0-7C-F	20178917	58.3
5.6-4C-SD	20179337	12.8	8.5-6C-E	20179468	34.4	10.0-8C-F	20178918	62.6
6.0-3C-SF	20179369	9.4	8.5-7C-E	20179469	37.9	10.0-9C-J	20178919	69.9
6.0-4C-SF	20179371	10.9	8.5-8C-E	20179470	41.5	10.0-10C-J	20178109	74.1
6.0-5C-SF	20179373	12.5	8.5-9C-E	20179471	45.0	10.0-12C-J	20178910	82.6
6.0-6C-SF	20179375	14.0	8.5-10C-E	20179462	48.6	10.5-1C-SF	20178922	17.4
7.0-1C-SF	20179416	9.7	9.0-1C-SF	20179484	13.7	10.5-2C-SF	20178923	23.2
7.0-2C-SF	20179418	12.4	9.0-2C-SF	20179487	18.2	10.5-3C-E	20178924	31.4
7.0-3C-SF	20179420	15.2	9.0-3C-E	20179489	26.9	10.5-4C-E	20178925	35.9
7.0-4C-SF	20179422	18.0	9.0-4C-E	20179491	30.7	10.5-5C-E	20178926	40.4
7.0-5C-SF	20179424	20.8	9.0-5C-E	20179492	34.5	10.5-6C-F	20178927	60.0
7.0-6C-SF	20179426	23.6	9.0-6C-F	20179493	43.0	10.5-7C-F	20178928	64.5
7.0-7C-SF	20179428	26.4	9.0-7C-F	20179494	46.7	10.5-8C-F	20178929	69.0
7.0-8C-SF	20179430	29.2	9.0-8C-F	20179495	50.5	10.5-9C-J	20178930	77.7
7.5-1C-SF	20179440	11.4	9.0-9C-J	20179496	54.0	10.5-10C-J	20178920	82.2
7.5-2C-SF	20179441	14.4	9.0-10C-J	20179481	59.6	10.5-12C-J	20178921	91.2
7.5-3C-SF	20179442	17.5	9.0-12C-J	20179482	64.8	11.0-1C-SF	20178935	15.4
7.5-4C-SF	20179443	20.5	9.5-1C-SF	20179508	15.1	11.0-2C-SF	20178937	19.5
7.5-5C-SF	20179444	23.6	9.5-2C-SF	20179509	20.1	11.0-3C-E	20178939	33.6
7.5-6C-SF	20179445	26.6	9.5-3C-E	20179510	30.6	11.0-4C-E	20178941	38.4
8.0-1C-SF	20179448	13.0	9.5-4C-E	20179511	34.9	11.0-5C-E	20178943	43.1
8.0-2C-SF	20179450	16.3	9.5-5C-E	20179512	39.1	11.0-6C-F	20178945	66.2
8.0-3C-E	20179452	20.7	9.5-6C-F	20179513	49.1	11.0-7C-F	20178947	70.9
8.0-4C-E	20179454	24.0	9.5-7C-F	20179514	53.3	11.0-8C-F	20178949	75.6
8.0-5C-E	20179456	27.3	9.5-8C-F	20179515	57.6	11.0-9C-J	20178950	85.9
8.0-6C-E	20179458	30.6	9.5-9C-J	20179516	63.6	11.0-10C-J	20178932	90.6
8.0-7C-E	20179459	34.0	9.5-10C-J	20179506	67.8	11.0-12C-J	20178933	100.1
8.0-8C-E	20179460	37.3	9.5-12C-J	20179507	76.2	12.0-1C-SF	20178955	16.9
8.0-9C-E	20179461	40.6	10.0-1C-SF	20178911	16.1	12.0-2C-SF	20178956	21.7
8.0-10C-E	20179446	43.9	10.0-2C-SF	20178912	21.4	12.0-3C-E	20178957	38.4
8.5-1C-SF	20179463	12.6	10.0-3C-E	20178913	33.8	12.0-4C-E	20178959	43.6

continued on page 84

*Weight does not include bushing and is approximate.

"C" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
12.0-5C-E	20178961	48.8	18.0-1C-SF	20179097	27.8	27.0-8C-J	20179189	226.3
12.0-6C-F	20178963	62.5	18.0-2C-SF	20179099	42.2	27.0-9C-J	20179191	226.8
12.0-7C-F	20178965	67.7	18.0-3C-E	20179100	58.6	30.0-2C-F	20179216	82.4
12.0-8C-F	20178966	72.9	18.0-4C-E	20179102	68.6	30.0-3C-F	20179218	115.4
12.0-9C-J	20178968	103.1	18.0-5C-E	20179104	79.1	30.0-4C-F	20179220	136.1
12.0-10C-J	20178951	108.4	18.0-6C-F	20179106	98.3	30.0-5C-F	20179222	160.8
12.0-12C-J	20178953	118.8	18.0-7C-F	20179108	113.9	30.0-6C-J	20179224	192.7
13.0-1C-SF	20178982	18.5	18.0-8C-F	20179109	123.3	30.0-7C-J	20179226	220.8
13.0-2C-SF	20178983	23.9	18.0-9C-J	20179111	139.3	30.0-8C-J	20179228	240.0
13.0-3C-E	20178984	42.4	18.0-10C-J	20179093	148.7	30.0-9C-M	20179229	316.8
13.0-4C-E	20178986	49.4	18.0-12C-J	20179095	172.0	30.0-10C-M	20179212	332.1
13.0-5C-E	20178988	55.1	20.0-1C-SF	20179127	31.8	30.0-12C-M	20179213	362.7
13.0-6C-F	20178990	70.0	20.0-2C-SF	20179129	42.1	36.0-3C-F	20179239	161.7
13.0-7C-F	20178992	75.6	20.0-3C-E	20179131	62.6	36.0-4C-F	20179240	194.2
13.0-8C-F	20178993	81.3	20.0-4C-E	20179133	76.9	36.0-5C-J	20179241	220.3
13.0-9C-J	20178995	95.9	20.0-5C-F	20179136	96.5	36.0-6C-J	20179242	254.5
13.0-10C-J	20178978	101.6	20.0-6C-F	20179139	109.8	36.0-7C-J	20179243	273.1
13.0-12C-J	20178980	116.4	20.0-7C-J	20179142	139.3	36.0-8C-M	20179244	355.3
14.0-1C-SF	20179016	20.3	20.0-8C-J	20179144	146.5	36.0-9C-M	20179245	379.0
14.0-2C-SF	20179017	25.9	20.0-9C-J	20179146	159.2	36.0-10C-M	20179237	397.5
14.0-3C-E	20179018	41.7	20.0-10C-J	20179122	169.7	36.0-12C-M	20179238	434.5
14.0-4C-E	20179020	50.7	20.0-12C-M	20179124	257.4	44.0-3C-F	20179294	242.8
14.0-5C-E	20179022	57.2	24.0-1C-SF	20333017	41.2	44.0-4C-J	20179295	270.4
14.0-6C-F	20179024	73.0	24.0-2C-SF	20179156	57.6	44.0-5C-J	20179296	293.2
14.0-7C-F	20179026	81.8	24.0-3C-E	20179157	78.7	44.0-6C-J	20179297	315.9
14.0-8C-F	20179027	88.0	24.0-4C-F	20179159	100.4	44.0-7C-M	20179298	429.2
14.0-9C-J	20179029	104.5	24.0-5C-F	20179161	106.7	44.0-8C-M	20179299	452.0
14.0-10C-J	20179012	110.8	24.0-6C-F	20179163	122.1	44.0-9C-M	20179300	474.6
14.0-12C-J	20179014	127.3	24.0-7C-J	20179165	168.5	44.0-10C-M	20179292	531.8
16.0-1C-SF	20179066	23.5	24.0-8C-J	20179166	173.4	44.0-12C-M	20179293	577.3
16.0-2C-SF	20179068	32.2	24.0-9C-J	20179167	191.7	50.0-3C-F	20179353	304.1
16.0-3C-E	20179070	49.8	24.0-10C-M	20179154	263.1	50.0-4C-J	20179354	337.4
16.0-4C-E	20179073	60.2	24.0-12C-M	20179155	286.2	50.0-5C-J	20179355	365.8
16.0-5C-E	20179076	71.2	27.0-2C-F	20179179	79.4	50.0-6C-M	20179356	484.4
16.0-6C-F	20179079	87.7	27.0-3C-F	20179180	103.0	50.0-7C-M	20179357	512.8
16.0-7C-F	20179082	100.7	27.0-4C-F	20179182	116.8	50.0-8C-M	20179358	541.1
16.0-8C-F	20179084	108.6	27.0-5C-F	20179184	129.2	50.0-9C-M	20179359	569.5
16.0-9C-J	20179086	130.2	27.0-6C-J	20179186	158.8	50.0-10C-M	20179351	662.9
16.0-10C-J	20179061	141.3	27.0-7C-J	20179188	195.8	50.0-12C-M	20179352	719.6
16.0-12C-J	20179063	160.3						

*Weight does not include bushing and is approximate.

"D" Classical (Conventional) Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
12.0-3D-F	20178958	59.2	15.0-8D-J	20179043	149.7	22.0-6D-M	20179152	250.9
12.0-4D-F	20178960	69.0	15.0-10D-M	20179037	257.2	22.0-8D-M	20179153	318.5
12.0-5D-F	20178962	79.4	15.0-12D-M	20179038	281.2	22.0-10D-M	20179147	368.3
12.0-6D-J	20178964	105.9	15.5-3D-F	20179055	80.4	22.0-12D-M	20179148	412.2
12.0-8D-J	20178967	124.5	15.5-4D-F	20179056	92.8	24.0-3D-J	20179158	140.3
12.0-10D-M	20178952	157.5	15.5-5D-F	20179057	108.0	24.0-4D-J	20179160	176.3
12.0-12D-M	20178954	176.1	15.5-6D-J	20179058	132.9	24.0-5D-J	20179162	200.2
13.0-3D-F	20178985	63.0	15.5-8D-J	20179059	159.2	24.0-6D-M	20179164	278.4
13.0-4D-F	20178987	74.8	15.5-10D-M	20179053	275.5	27.0-3D-J	20179181	167.5
13.0-5D-F	20178989	85.1	15.5-12D-M	20179054	300.4	27.0-4D-J	20179183	199.5
13.0-6D-J	20178991	104.3	16.0-3D-F	20179071	84.3	27.0-5D-M	20179185	290.1
13.0-8D-J	20178994	124.2	16.0-4D-F	20179074	97.1	27.0-6D-M	20179187	319.6
13.0-10D-M	20178979	189.2	16.0-5D-F	20179077	113.1	27.0-8D-M	20179190	391.7
13.0-12D-M	20178981	209.7	16.0-6D-J	20179080	139.0	27.0-10D-M	20179177	450.8
13.5-3D-F	20178998	66.2	16.0-8D-J	20179085	166.3	27.0-12D-N	20179178	560.0
13.5-4D-F	20178999	78.7	16.0-10D-M	20179062	253.2	33.0-3D-J	20179232	218.9
13.5-5D-F	20179000	89.4	16.0-12D-M	20179064	278.9	33.0-4D-M	20179233	315.0
13.5-6D-J	20179001	109.8	17.0-4D-J	20179089	110.9	33.0-5D-M	20179234	352.9
13.5-8D-J	20179002	130.4	17.0-5D-J	20179090	128.1	33.0-6D-M	20179235	427.7
13.5-10D-M	20178996	205.4	17.0-6D-J	20179091	145.3	33.0-8D-M	20179236	489.3
13.5-12D-M	20178997	226.8	17.0-8D-J	20179092	176.3	33.0-10D-N	20179230	641.7
14.0-3D-F	20179019	69.4	17.0-10D-M	20179087	261.0	33.0-12D-N	20179231	729.3
14.0-4D-F	20179021	82.7	17.0-12D-M	20179088	288.6	40.0-3D-J	20179287	267.4
14.0-5D-F	20179023	93.9	18.0-3D-J	20179101	109.0	40.0-4D-M	20179288	380.1
14.0-6D-J	20179025	115.4	18.0-4D-J	20179103	129.0	40.0-5D-M	20179289	445.4
14.0-8D-J	20179028	136.7	18.0-5D-J	20179105	144.9	40.0-6D-M	20179290	498.4
14.0-10D-M	20179013	222.1	18.0-6D-J	20179107	165.0	40.0-8D-N	20179291	653.3
14.0-12D-M	20179015	244.4	18.0-8D-M	20179110	242.1	40.0-10D-N	20179285	814.0
14.5-3D-F	20179032	72.8	18.0-10D-M	20179094	276.3	40.0-12D-P	20179286	938.3
14.5-4D-F	20179033	86.8	18.0-12D-M	20179096	308.1	48.0-5D-M	20179303	586.8
14.5-5D-F	20179034	100.8	20.0-4D-J	20179134	135.4	48.0-6D-M	20179304	660.6
14.5-6D-J	20179035	121.1	20.0-5D-J	20179137	154.6	48.0-8D-N	20179305	820.8
14.5-8D-J	20179036	143.1	20.0-6D-J	20179140	173.7	48.0-10D-P	20179301	987.0
14.5-10D-M	20179030	239.4	20.0-8D-M	20179145	271.4	48.0-12D-P	20179302	1175.4
14.5-12D-M	20179031	262.5	20.0-10D-M	20179123	311.7	58.0-5D-M	20179362	698.2
15.0-3D-F	20179039	78.9	20.0-12D-M	20179125	351.8	58.0-6D-N	20179363	862.9
15.0-4D-F	20179040	91.0	22.0-3D-J	20179149	126.7	58.0-8D-N	20179364	1063.6
15.0-5D-F	20179041	105.7	22.0-4D-J	20179150	159.8	58.0-10D-P	20179360	1253.0
15.0-6D-J	20179042	126.9	22.0-5D-J	20179151	181.4	58.0-12D-P	20179361	1454.8

*Weight does not include bushing and is approximate.

QT Sheaves - Single A Groove

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
AK30-QT	20179574	1.1	AK59-QT	20179585	2.4	AK94-QT	20179595	4.4
AK32-QT	20179575	1.2	AK61-QT	20179586	2.5	AK99-QT	20179596	4.7
AK34-QT	20179576	1.2	AK64-QT	20179587	2.7	AK104-QT	20179566	4.5
AK39-QT	20179577	1.4	AK66-QT	20179588	2.8	AK109-QT	20179567	5.1
AK41-QT	20179578	1.6	AK69-QT	20179589	3.2	AK114-QT	20179568	5.5
AK44-QT	20179579	1.9	AK71-QT	20179590	3.1	AK124-QT	20179569	6.1
AK46-QT	20179580	1.9	AK74-QT	20179591	3.3	AK134-QT	20179570	7.4
AK49-QT	20179581	2.1	AK79-QT	20179592	3.5	AK144-QT	20179571	7.8
AK51-QT	20179582	2.3	AK84-QT	20179593	3.6	AK154-QT	20179572	8.8
AK54-QT	20179583	2.0	AK89-QT	20179594	4.0	AK184-QT	20179573	11.3
AK56-QT	20179584	2.3						

*Weight does not include bushing and is approximate.

QT Sheaves - Two A Groove

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2AK30-QT	20179524	1.4	2AK51-QT	20179532	3.2	2AK94-QT	20179540	6.1
2AK32-QT	20179525	1.7	2AK54-QT	20179533	3.4	2AK104-QT	20179517	7.7
2AK34-QT	20179526	1.8	2AK56-QT	20179534	3.6	2AK114-QT	20179518	8.5
2AK39-QT	20179527	1.8	2AK59-QT	20179535	3.4	2AK124-QT	20179519	9.5
2AK41-QT	20179528	1.9	2AK61-QT	20179536	4.4	2AK134-QT	20179520	11.4
2AK44-QT	20179529	2.4	2AK64-QT	20179537	3.9	2AK144-QT	20179521	11.9
2AK46-QT	20179530	2.5	2AK74-QT	20179538	4.9	2AK154-QT	20179522	13.3
2AK49-QT	20179531	3.1	2AK84-QT	20179539	4.8	2AK184-QT	20179523	16.8

*Weight does not include bushing and is approximate.

QT Sheaves - Single B Groove

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
BK30-QT	20179607	1.2	BK60-QT	20179618	2.5	BK95-QT	20179629	5.0
BK32-QT	20179608	1.4	BK62-QT	20179619	2.6	BK100-QT	20179597	5.2
BK34-QT	20179609	1.6	BK65-QT	20179620	2.8	BK105-QT	20179598	5.5
BK36-QT	20179610	1.2	BK67-QT	20179621	2.9	BK110-QT	20179599	6.0
BK40-QT	20179611	1.4	BK70-QT	20179622	2.8	BK115-QT	20179600	6.4
BK45-QT	20179612	1.8	BK72-QT	20179623	3.1	BK120-QT	20179601	6.9
BK47-QT	20179613	2.2	BK75-QT	20179624	3.3	BK130-QT	20179602	6.9
BK50-QT	20179614	2.0	BK77-QT	20179625	3.6	BK140-QT	20179603	8.5
BK52-QT	20179615	2.1	BK80-QT	20179626	3.4	BK150-QT	20179604	9.5
BK55-QT	20179616	2.7	BK85-QT	20179627	3.6	BK160-QT	20179605	9.8
BK57-QT	20179617	2.7	BK90-QT	20179628	4.3	BK190-QT	20179606	12.8

*Weight does not include bushing and is approximate.

QT Sheaves - Two B Groove

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2BK32-QT	20179548	2.0	2BK57-QT	20179557	4.3	2BK90-QT	20179565	7.6
2BK34-QT	20179549	2.4	2BK60-QT	20179558	4.4	2BK100-QT	20179541	8.4
2BK36-QT	20179550	2.0	2BK62-QT	20179559	4.5	2BK110-QT	20179542	9.3
2BK40-QT	20179551	2.4	2BK65-QT	20179560	4.5	2BK120-QT	20179543	11.0
2BK45-QT	20179552	3.0	2BK67-QT	20179561	5.0	2BK130-QT	20179544	13.1
2BK47-QT	20179553	2.8	2BK70-QT	20179562	5.1	2BK140-QT	20179545	14.8
2BK50-QT	20179554	3.3	2BK72-QT	20179563	5.4	2BK160-QT	20179546	17.5
2BK52-QT	20179555	3.6	2BK80-QT	20179564	6.4	2BK190-QT	20179547	21.5
2BK55-QT	20179556	3.9						

*Weight does not include bushing and is approximate.

FHP Bored-to-Size Single A Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
AK15-1/2	20179929	0.3	AK25-7/8	20179970	33.3	AK39-5/8	20180008	66.3
AK15-5/8	20179930	1.3	AK26-1/2	20179971	34.3	AK39-3/4	20180007	67.3
AK16-1/2	20179935	2.3	AK26-5/8	20179973	35.3	AK39-7/8	20180009	68.3
AK16-5/8	20179936	3.3	AK26-3/4	20179972	36.3	AK39-15/16	20180011	69.3
AK17-1/2	20179937	4.3	AK27-1/2	20179975	37.3	AK39-1	20180005	70.3
AK17-5/8	20179939	5.3	AK27-5/8	20179977	38.3	AK41-1/2	20180014	71.3
AK17-3/4	20179938	6.3	AK27-3/4	20179976	39.3	AK41-5/8	20180017	72.3
AK18-5/8	20179940	7.3	AK27-1	20179974	40.3	AK41-3/4	20180016	73.3
AK19-1/2	20179945	8.3	AK28-1/2	20179979	41.3	AK41-7/8	20180018	74.3
AK19-5/8	20179947	9.3	AK28-5/8	20179981	42.3	AK41-15/16	20180015	75.3
AK19-3/4	20179946	10.3	AK28-3/4	20179980	43.3	AK41-1	20180012	76.3
AK19-7/8	20179948	11.3	AK28-7/8	20179982	44.3	AK41-1 1/8	20180013	77.3
AK20-1/2	20179949	12.3	AK30-1/2	20179984	45.3	AK44-1/2	20180021	78.3
AK20-5/8	20179951	13.3	AK30-5/8	20179986	46.3	AK44-5/8	20180023	79.3
AK20-3/4	20179950	14.3	AK30-3/4	20179985	47.3	AK44-3/4	20180022	80.3
AK21-1/2	20179952	15.3	AK30-7/8	20179987	48.3	AK44-7/8	20180024	81.3
AK21-5/8	20179954	16.3	AK30-1	20179983	49.3	AK44-15/16	20180025	82.3
AK21-3/4	20179953	17.3	AK32-1/2	20179989	50.3	AK44-1	20180019	83.3
AK22-1/2	20179955	18.3	AK32-5/8	20179991	51.3	AK44-1 1/8	20180020	84.3
AK22-5/8	20179957	19.3	AK32-3/4	20179990	52.3	AK46-1/2	20180028	85.3
AK22-3/4	20179956	20.3	AK32-7/8	20179992	53.3	AK46-5/8	20180030	86.3
AK22-7/8	20179958	21.3	AK32-1	20179988	54.3	AK46-3/4	20180029	87.3
AK23-1/2	20179959	22.3	AK34-1/2	20179996	55.3	AK46-7/8	20180031	88.3
AK23-5/8	20179961	23.3	AK34-5/8	20179998	56.3	AK46-15/16	20180032	89.3
AK23-3/4	20179960	24.3	AK34-3/4	20179997	57.3	AK46-1	20180026	90.3
AK24-1/2	20179963	25.3	AK34-7/8	20179999	58.3	AK46-1 1/8	20180027	91.3
AK24-5/8	20179965	26.3	AK34-1	20179994	59.3	AK49-1/2	20180035	92.3
AK24-3/4	20179964	27.3	AK35-1/2	20180001	60.3	AK49-5/8	20180038	93.3
AK24-7/8	20179966	28.3	AK35-5/8	20180003	61.3	AK49-3/4	20180037	94.3
AK24-1	20179962	29.3	AK35-3/4	20180002	62.3	AK49-7/8	20180039	95.3
AK25-1/2	20179967	30.3	AK35-7/8	20180004	63.3	AK49-15/16	20180036	96.3
AK25-5/8	20179969	31.3	AK35-1	20180000	64.3	AK49-1	20180033	97.3
AK25-3/4	20179968	32.3	AK39-1/2	20180006	65.3	AK49-1 1/8	20180034	98.3

*Weight does not include bushing and is approximate.

continued on page 88

FHP Bored-to-Size Single A Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
AK51-1/2	20180042	99.3	AK66-5/8	20180089	145.3	AK94-15/16	20180136	191.3
AK51-5/8	20180044	100.3	AK66-3/4	20180088	146.3	AK94-1	20180129	192.3
AK51-3/4	20180043	101.3	AK66-1	20180086	147.3	AK94-1 3/16	20180131	193.3
AK51-7/ 8	20180045	102.3	AK66-1 1/8	20180087	148.3	AK94-1 1/4	20180130	194.3
AK51-1	20180040	103.3	AK69-3/4	20180092	149.3	AK94-1 7/16	20180132	195.3
AK51-1 1/8	20180041	104.3	AK69-1	20180090	150.3	AK99-3/4	20180139	196.3
AK54-1/2	20180048	105.3	AK69-1 1/8	20180091	151.3	AK99-1	20180137	197.3
AK54-5/8	20180051	106.3	AK71-1/2	20180096	152.3	AK99-1 7/16	20180138	198.3
AK54-3/4	20180050	107.3	AK71-5/8	20180098	153.3	AK104-5/8	20179903	199.3
AK54-7/8	20180052	108.3	AK71-3/4	20180097	154.3	AK104-3/4	20179902	200.3
AK54-15/16	20180049	109.3	AK71-1	20180093	155.3	AK104-1	20179897	201.3
AK54-1	20180046	110.3	AK71-1 1/8	20180094	156.3	AK104-1-3/16	20179899	202.3
AK54-1 1/8	20180053	111.3	AK71-1 7/16	20180095	157.3	AK104-1-1/4	20179898	203.3
AK54-1 3/16	20180047	112.3	AK74-1/2	20180104	158.3	AK104-1-3/8	20179900	204.3
AK56-1/2	20180057	113.3	AK74-5/8	20180106	159.3	AK104-1-7/16	20179901	205.3
AK56-5/8	20180059	114.3	AK74-3/4	20180105	160.3	AK109-3/4	20179906	206.3
AK56-3/4	20180058	115.3	AK74-15/16	20180107	161.3	AK109-1	20179904	207.3
AK56-7/8	20180060	116.3	AK74-1	20180099	162.3	AK109-1 3/8	20179907	208.3
AK56-15/16	20180061	117.3	AK74-1 1/8	20180101	163.3	AK109-1-7/16	20179905	209.3
AK56-1	20180054	118.3	AK74-1 3/16	20180102	164.3	AK114-3/4	20179911	210.3
AK56-1 1/8	20180055	119.3	AK74-1 1/4	20180100	165.3	AK114-1	20179908	211.3
AK56-1 3/16	20180056	120.3	AK74-1 7/16	20180103	166.3	AK114-1-3/16	20179909	212.3
AK59-1/2	20180064	121.3	AK79-3/4	20180110	167.3	AK114-1-7/16	20179910	213.3
AK59-5/8	20180067	122.3	AK79-1	20180108	168.3	AK124-5/8	20179917	214.3
AK59-3/4	20180066	123.3	AK79-1 1/8	20180109	169.3	AK124-3/4	20179916	215.3
AK59-7/8	20180068	124.3	AK79-1 7/16	20180111	170.3	AK124-1	20179912	216.3
AK59-15/16	20180069	125.3	AK81-5/8	20180115	171.3	AK124-1 3/16	20179913	217.3
AK59-1	20180062	126.3	AK81-3/4	20180114	172.3	AK124-1-1/4	20179914	218.3
AK59-1-1/8	20180065	127.3	AK81-1	20180112	173.3	AK124-1-7/16	20179915	219.3
AK59-1 3/16	20180063	128.3	2AK84-1 3/16	20179764	174.3	AK134-3/4	20179922	220.3
AK61-1/2	20180073	129.3	AK84-1/2	20180120	175.3	AK134-1	20179918	221.3
AK61-5/8	20180075	130.3	AK84-5/8	20180122	176.3	AK134-1-3/16	20179919	222.3
AK61-3/4	20180074	131.3	AK84-3/4	20180121	177.3	AK134-1-3/8	20179920	223.3
AK61-7/8	20180076	132.3	AK84- 15/16	20180116	178.3	AK134-1-7/16	20179921	224.3
AK61-15/16	20180077	133.3	AK84-1	20180117	179.3	AK144-3/4	20179928	225.3
AK61-1	20180070	134.3	AK84-1 3/16	20180118	180.3	AK144-1	20179925	226.3
AK61-1 1/8	20180071	135.3	AK84-1 7/16	20180119	181.3	AK144-1-3/16	20179926	227.3
AK61-1 3/16	20180072	136.3	AK89-3/4	20180126	182.3	AK144-1-7/16	20179927	228.3
AK64-1/2	20180081	137.3	AK89-1	20180123	183.3	AK154-3/4	20179934	229.3
AK64-5/8	20180083	138.3	AK89-1 1/8	20180124	184.3	AK154-1	20179931	230.3
AK64-3/4	20180082	139.3	AK89-1 7/16	20180125	185.3	AK154-1-7/16	20179933	231.3
AK64-7/8	20180084	140.3	AK91-3/4	20180128	186.3	AK184-3/4	20179944	232.3
AK64-15/16	20180085	141.3	AK91-1	20180127	187.3	AK184-1	20179941	233.3
AK64-1	20180078	142.3	AK94-1/2	20180133	188.3	AK184-1-3/16	20179942	234.3
AK64-1 1/8	20180079	143.3	AK94-5/8	20180135	189.3	AK184-1-7/16	20179943	235.3
AK64-1 3/16	20180080	144.3	AK94-3/4	20180134	190.3			

*Weight does not include bushing and is approximate.

FHP Bored-to-Size Single B Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
BK19-5/8	20180181	0.7	BK34-1 1/8	20180241	1.8	BK55-1 3/16	20180290	4.0
BK19-3/4	20180180	0.7	BK36-1/2	20180248	2.0	BK57/HA54 5/8	20180295	4.1
BK22-1/2	20180190	0.9	BK36-5/8	20180250	2.0	BK57-3/4	20180298	4.1
BK22-5/8	20180192	0.9	BK36-3/4	20180249	2.0	BK57-7/8	20180299	4.1
BK22-3/4	20180191	0.9	BK36-7/8	20180251	2.0	BK57-15/16	20180300	4.1
BK22-7/8	20180193	0.9	BK36-1	20180246	2.0	BK57-1	20180296	4.1
BK22-1	20180189	0.9	BK36-1 1/8	20180247	2.0	BK57-1 1/8	20180297	4.1
BK23-5/8	20180194	0.9	BK40-1/2	20180254	2.2	BK60-1/2	20180303	3.8
BK23-1	20180195	0.9	BK40-5/8	20180256	2.2	BK60-5/8	20180306	3.8
BK24-1/2	20180200	0.9	BK40-3/4	20180255	2.2	BK60-3/4	20180305	3.8
BK24-5/8	20180202	0.9	BK40-7/8	20180257	2.2	BK60-7/8	20180307	3.8
BK24-3/4	20180201	0.9	BK40-1	20180252	2.2	BK60-1	20180301	3.8
BK24-7/8	20180203	0.9	BK40-1 1/8	20180253	2.2	BK60-1-1/8	20180304	3.8
BK24-1	20180199	0.9	BK45-1/2	20180260	2.7	BK60-1 3/16	20180302	3.8
BK25-1/2	20180204	1.1	BK45-5/8	20180262	2.7	BK62-1/2	20180311	3.6
BK25-5/8	20180206	1.1	BK45-3/4	20180261	2.7	BK62-5/8	20180313	3.6
BK25-3/4	20180205	1.1	BK45-7/8	20180263	2.7	BK62-3/4	20180312	3.6
BK25-7/8	20180207	1.1	BK45-1	20180258	2.7	BK62-7/8	20180314	3.6
BK26-1/2	20180208	1.2	BK45-1 1/ 8	20180259	2.7	BK62-15/16	20180315	3.6
BK26-5/8	20180210	1.2	BK46-7/8	20180264	2.7	BK62-1	20180308	3.6
BK26-3/4	20180209	1.2	BK47-1/2	20180267	2.9	BK62-1 1/8	20180309	3.6
BK26-7/8	20180211	1.2	BK47-5/8	20180269	2.9	BK62-1 13/16	20333018	3.6
BK27-1/2	20180213	1.1	BK47-3/4	20180268	2.9	BK64-5/8	20180318	3.7
BK27-5/8	20180215	1.1	BK47-7/8	20180270	2.9	BK64-3/4	20333019	3.7
BK27-3/4	20180214	1.1	BK47-1	20180265	2.9	BK64-7/8	20180319	3.7
BK27-7/8	20180216	1.1	BK47-1 1/8	20180266	2.9	BK65-5/8	20180323	3.7
BK27-1 1/8	20180212	1.1	BK48-5/8	20180273	3.0	BK65-3/4	20180322	3.7
BK28-1/2	20180219	1.4	BK48-3/4	20180272	3.0	BK65-1	20180320	3.7
BK28-5/8	20180221	1.4	BK48-7/8	20180274	3.0	BK65-1 1/8	20180321	3.7
BK28-3/4	20180220	1.4	BK48-1 1/8	20180271	3.0	BK67-5/8	20180327	3.7
BK28-7/8	20180222	1.4	BK50-1/2	20180277	3.2	BK67-3/4	20180326	3.7
BK28-1	20180217	1.4	BK50-5/8	20180279	3.2	BK67-1	20180324	3.7
BK28-1 1/8	20180218	1.4	BK50-3/4	20180278	3.2	BK67-1 1/8	20333020	3.7
BK30-1/2	20180225	1.5	BK50-7/8	20180280	3.2	BK70-5/8	20180335	3.7
BK30-5/8	20180227	1.5	BK50-15/16	20180281	3.2	BK70-3/4	20180334	3.7
BK30-3/4	20180226	1.5	BK50-1	20180275	3.2	BK70-15/16	20180336	3.7
BK30-7/8	20180228	1.5	BK50-1 1/8	20180276	3.2	BK70-1	20180330	3.7
BK30-1	20180223	1.5	BK52-1/2	20180284	3.4	BK70-1-1/8	20180332	3.7
BK30-1 1/8	20180224	1.5	BK52-5/8	20180286	3.4	BK70-1 13/16	20333021	3.7
BK32-1/2	20180236	1.5	BK52-3/4	20180285	3.4	BK70-1-7/16	20180333	3.7
BK32-5/8	20180238	1.5	BK52-7/8	20180287	3.4	BK72-3/4	20180341	3.8
BK32-3/4	20180237	1.5	BK52-1	20180282	3.4	BK72-1	20180337	3.8
BK32-7/8	20180239	1.5	BK52-1 1/8	20180283	3.4	BK72-1-1/8	20180339	3.8
BK32-1	20180235	1.5	BK55-1/2	20180291	4.0	BK72-1-3/8	20180340	3.8
BK34-1/2	20180242	1.8	BK55-5/8	20180293	4.0	BK72-1 7/16	20180338	3.8
BK34-5/8	20180244	1.8	BK55-3/4	20180292	4.0	BK75-3/4	20180345	4.3
BK34-3/4	20180243	1.8	BK55-7/8	20180294	4.0	BK75-1	20180342	4.3
BK34-7/8	20180245	1.8	BK55-1	20180288	4.0	BK75-1 1/8	20180343	4.3
BK34-1	20180240	1.8	BK55-1 1/8	20180289	4.0	BK75-1 7/16	20180344	4.3

*Weight does not include bushing and is approximate.

continued on page 90

FHP Bored-to-Size Single B Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
BK77-3/4	20180350	4.5	BK90-1 7/16	20180372	6.0	BK115-1	20180157	8.7
BK77-1	20180346	4.5	BK92-3/4	20180379	6.2	BK115-1 3/8	20180158	8.7
BK77-1 1/8	20180347	4.5	BK92-7/8	20180380	6.2	BK115-1 7/16	20180159	8.7
BK77-1 3/8	20180348	4.5	BK92-1 1/8	20180376	6.2	BK120-3/4	20180164	9.2
BK77-1 7/16	20180349	4.5	BK95-3/4	20180385	6.3	BK120-1	20180160	9.2
BK80-5/8	20180358	5.1	BK95-1	20180381	6.3	BK120-1 13/16	20333024	9.2
BK80-3/4	20180357	5.1	BK95-1-1/8	20180383	6.3	BK120-1-3/8	20180163	9.2
BK80-7/8	20180359	5.1	BK95-1-3/8	20180384	6.3	BK120-1 7/16	20180162	9.2
BK80-1	20180351	5.1	BK95-1 7/16	20180382	6.3	BK130-3/4	20180168	9.6
BK80-1 1/8	20180353	5.1	BK100-3/4	20180146	7.2	BK130-1	20180165	9.6
BK85-1 3/16	20180362	5.1	BK100-7/8	20180147	7.2	BK130-1 1/8	20180170	9.6
BK80-1 1/4	20180352	5.1	BK100-1	20180140	7.2	BK130-1 13/16	20333025	9.6
BK80-1 3/8	20180355	5.1	BK100-1 1/8	20180141	7.2	BK130-1-7/16	20180167	9.6
BK80-1 7/16	20180356	5.1	BK100-1 3/16	20180142	7.2	BK140-3/4	20180174	11.2
BK85-3/4	20180365	5.5	BK100-1-1/4	20180144	7.2	BK140-1	20180171	11.2
BK85-1	20180360	5.5	BK100-1-3/8	20180145	7.2	BK140-1 13/16	20333026	11.2
BK85-1 1/8	20180361	5.5	BK100-1 7/16	20180143	7.2	BK140-1-7/16	20180173	11.2
BK85-1 13/16	20333022	5.5	BK105-1	20180148	7.7	BK160-1	20180175	12.9
BK85-1 3/8	20180363	5.5	BK105-1 3/8	20180149	7.7	BK160-1 1/8	20180177	12.9
BK85-1-7/16	20180364	5.5	BK105-1 7/16	20180150	7.7	BK160-1 13/16	20333027	12.9
BK90-3/4	20180370	6.0	BK110-3/4	20180156	8.2	BK160-1 1/4	20180176	12.9
BK90-7/8	20180371	6.0	BK110-1	20180151	8.2	BK160-1 7/16	20180179	12.9
BK90-15/16	20180373	6.0	BK110-1 1/8	20180152	8.2	BK190-1	20180182	14.5
BK90-1	20180366	6.0	BK110-1 13/16	20333023	8.2	BK190-1 13/16	20333028	14.5
BK90-1-1/8	20180367	6.0	BK110-1-3/8	20180154	8.2	BK190-1 1/4	20180183	14.5
BK90-1-3/16	20180368	6.0	BK110-1-7/16	20180155	8.2	BK190-1-7/16	20180184	14.5
BK90-1-3/8	20180369	6.0						

*Weight does not include bushing and is approximate.

FHP Bored-to-Size Two A Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2AK20-1/2	20179650	0.9	2AK23-3/4	20179663	1.3	2AK27-7/8	20179677	1.8
2AK20-5/8	20179652	0.9	2AK23-7/8	20179665	1.3	2AK27-1	20179674	1.8
2AK20-3/4	20179651	0.9	2AK23-1	20179662	1.3	2AK28-5/8	20179681	2.0
2AK21-1/2	20179654	1.1	2AK25-5/8	20179668	1.5	2AK28-3/4	20179680	2.0
2AK21-5/8	20179656	1.1	2AK25-3/4	20179667	1.5	2AK28-7/8	20179682	2.0
2AK21-3/4	20179655	1.1	2AK25-7/8	20179669	1.5	2AK28-1	20179679	2.0
2AK22-1/2	20179657	1.2	2AK25-1	20179666	1.5	2AK30-1/2	20179685	2.2
2AK22-5/8	20179659	1.2	2AK26-5/8	20179672	1.5	2AK30-5/8	20179687	2.2
2AK22-3/4	20179658	1.2	2AK26-3/4	20179671	1.5	2AK30-3/4	20179686	2.2
2AK22-7/8	20179660	1.2	2AK26-7/8	20179673	1.5	2AK30-7/8	20179688	2.2
2AK22-1	20179661	1.2	2AK27-5/8	20179676	1.8	2AK30-1	20179683	2.2
2AK23-5/8	20179664	1.3	2AK27-3/4	20179675	1.8	2AK30-1 1/8	20179684	2.2

*Weight does not include bushing and is approximate.

FHP Bored-to-Size Two A Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2AK32-5/8	20179692	2.4	2AK51-3/4	20179726	2.9	2AK74-1-3/8	20179756	5.8
2AK32-3/4	20179691	2.4	2AK51-7/8	20179727	2.9	2AK74-1-7/16	20179757	5.8
2AK32-7/8	20179693	2.4	2AK51-1	20179723	2.9	2AK84-3/4	20179763	6.9
2AK32-1	20179689	2.4	2AK51-1 1/8	20179724	2.9	2AK84-15/16	20179765	6.9
2AK32-1 1/8	20179690	2.4	2AK51-1-3/8	20179725	2.9	2AK84-1	20179759	6.9
2AK34-5/8	20179697	2.7	2AK54-5/8	20179731	3.2	2AK84-1-1/8	20179760	6.9
2AK34-3/4	20179696	2.7	2AK54-3/4	20179730	3.2	2AK84-1-3/8	20179761	6.9
2AK34-7/8	20179698	2.7	2AK54-7/8	20179732	3.2	2AK84-1-7/16	20179762	6.9
2AK34-1	20179694	2.7	2AK54-1	20179728	3.2	2AK94-3/4	20179771	7.7
2AK34-1 1/8	20179695	2.7	2AK54-1 1/8	20179729	3.2	2AK94-1	20179766	7.7
2AK39-5/8	20179702	3.2	2AK54-1 3/8	20179733	3.2	2AK94-1-1/8	20179767	7.7
2AK39-3/4	20179701	3.2	2AK56-5/8	20179738	3.3	2AK94-1-3/16	20179768	7.7
2AK39-7/8	20179703	3.2	2AK56-3/4	20179737	3.3	2AK94-1-3/8	20179769	7.7
2AK39-1	20179699	3.2	2AK56-1	20179734	3.3	2AK94-1-7/16	20179770	7.7
2AK39-1 1/8	20179700	3.2	2AK56-1 1/8	20179735	3.3	2AK104-3/4	20179633	9.7
2AK41-5/8	20179707	3.5	2AK56-1-3/8	20179736	3.3	2AK104-15/16	20179634	9.7
2AK41-3/4	20179706	3.5	2AK59-1	20179739	3.4	2AK104-1	20179630	9.7
2AK41-7/8	20179708	3.5	2AK59-1 1/8	20179740	3.4	2AK104-1 3/16	20179631	9.7
2AK41-1	20179704	3.5	2AK59-1-3/8	20179741	3.4	2AK104-1-7/16	20179632	9.7
2AK41-1 1/8	20179705	3.5	2AK61-3/4	20179745	3.6	2AK114-1	20179635	10.2
2AK44-5/8	20179712	4.1	2AK61-7/8	20179746	3.6	2AK114-1-3/16	20179636	10.2
2AK44-3/4	20179711	4.1	2AK61-1	20179742	3.6	2AK114-1-3/8	20179637	10.2
2AK44-7/8	20179713	4.1	2AK61-1 1/8	20179743	3.6	2AK114-1-7/16	20179638	10.2
2AK44-1	20179709	4.1	2AK61-1-3/8	20179744	3.6	2AK124-1	20179639	11.3
2AK44-1 1/8	20179710	4.1	2AK64-3/4	20179752	4.5	2AK124-1-3/16	20179640	11.3
2AK46-5/8	20179716	4.6	2AK64-1	20179747	4.5	2AK124-1-7/16	20179641	11.3
2AK46-7/8	20179717	4.6	2AK64-1 1/8	20179748	4.5	2AK134-1-3/16	20179642	12.4
2AK46-1	20179714	4.6	2AK64-1-3/16	20179749	4.5	2AK134-1-7/16	20179643	12.4
2AK46-1 1/8	20179715	4.6	2AK64-1-3/8	20179750	4.5	2AK144-1	20179644	13.2
2AK49-3/4	20179720	2.7	2AK64-1-7/16	20179751	4.5	2AK144-1 7/16	20179645	13.2
2AK49-7/8	20179721	2.7	2AK74-3/4	20179758	5.8	2AK154-1 3/16	20179646	13.7
2AK49-1	20179718	2.7	2AK74-1	20179753	5.8	2AK154-1 7/16	20179647	13.7
2AK49-1 1/8	20179719	2.7	2AK74-1-1/8	20179754	5.8	2AK184-1-3/16	20179648	15.8
2AK49-1 3/8	20179722	2.7	2AK74-1-3/16	20179755	5.8	2AK184-1-7/16	20179649	15.8

*Weight does not include bushing and is approximate.

FHP Bored-to-Size Two B Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2BK23-5/8	20179794	1.3	2BK25-7/8	20179799	1.4	2BK27-5/8	20179806	1.8
2BK23-7/8	20179795	1.3	2BK26-5/8	20179802	1.6	2BK27-3/4	20179805	1.8
2BK25-1/2	20179796	1.4	2BK26-7/8	20179803	1.6	2BK27-7/8	20179808	1.8
2BK25-5/8	20179798	1.4	2BK26-1 1/8	20179801	1.6	2BK27-1	20179807	1.8
2BK25-3/4	20179797	1.4	2BK27-1/2	20179804	1.8	2BK28-1/2	20179811	1.9

*Weight does not include bushing and is approximate.

continued on page 93

FHP Bored-to-Size Two B Groove Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
2BK28-5/8	20179813	1.9	2BK47-1 1/8	20179848	5.1	2BK80-3/4	20179890	6.9
2BK28-3/4	20179812	1.9	2BK50-3/4	20179853	5.4	2BK80-1	20179885	6.9
2BK28-7/8	20179814	1.9	2BK50-1	20179850	5.4	2BK80-1 1/8	20179886	6.9
2BK28-1	20179809	1.9	2BK50-1 1/8	20179851	5.4	2BK80-1 3/16	20179887	6.9
2BK28-1 1/8	20179810	1.9	2BK50-1 3/8	20179852	5.4	2BK80-1 3/8	20179888	6.9
2BK30-1/2	20179817	1.9	2BK52-7/8	20179857	5.7	2BK80-1 7/16	20179889	6.9
2BK30-5/8	20179819	1.9	2BK52-1	20179854	5.7	2BK90-3/4	20179896	8.0
2BK30-3/4	20179818	1.9	2BK52-1 1/8	20179855	5.7	2BK90-1	20179891	8.0
2BK30-7/8	20179820	1.9	2BK52-1 3/8	20179856	5.7	2BK90-1 1/8	20179892	8.0
2BK30-1	20179815	1.9	2BK55-1 1/8	20179860	6.5	2BK90-1 3/16	20333029	8.0
2BK30-1 1/8	20179816	1.9	2BK55-1 3/8	20179861	6.5	2BK90-1 3/8	20333030	8.0
2BK32-5/8	20179824	2.2	2BK57-1	20179862	6.0	2BK90-1 7/16	20333031	8.0
2BK32-7/8	20179825	2.2	2BK57-1 1/8	20179863	6.0	2BK100-3/4	20179776	9.5
2BK32-1	20179821	2.2	2BK57-1 3/8	20179864	6.0	2BK100-1	20179772	9.5
2BK32-1 1/8	20179822	2.2	2BK60-3/4	20179868	6.3	2BK100-1 3/16	20179773	9.5
2BK34-5/8	20179829	2.4	2BK60-7/8	20179869	6.3	2BK100-1 3/8	20333032	9.5
2BK34-3/4	20179828	2.4	2BK60-1	20179865	6.3	2BK100-1 7/16	20179774	9.5
2BK34-7/8	20179830	2.4	2BK60-1 1/8	20179866	6.3	2BK110-1	20179777	11.4
2BK34-1	20179826	2.4	2BK60-1 3/8	20179867	6.3	2BK110-1 3/16	20179778	11.4
2BK34-1 1/8	20179827	2.4	2BK62-1	20179870	7.6	2BK110-1 7/16	20179779	11.4
2BK36-3/4	20179834	3.0	2BK62-1 1/8	20179871	7.6	2BK120-1	20179780	13.2
2BK36-7/8	20179835	3.0	2BK62-1 3/8	20179872	7.6	2BK120-1 3/16	20179781	13.2
2BK36-1	20179831	3.0	2BK65-1	20179873	5.2	2BK120-1 7/16	20179782	13.2
2BK36-1 1/8	20179832	3.0	2BK65-1 1/8	20179874	5.2	2BK130-1	20179783	14.8
2BK36-1 3/8	20179833	3.0	2BK65-1 3/8	20179875	5.2	2BK130-1 3/16	20179784	14.8
2BK40-5/8	20179840	4.0	2BK67-1	20179876	5.8	2BK130-1 7/16	20179785	14.8
2BK40-3/4	20179839	4.0	2BK67-1 1/8	20179877	5.8	2BK140-1	20179786	15.6
2BK40-7/8	20179841	4.0	2BK67-1 3/8	20179878	5.8	2BK140-1 3/16	20179787	15.6
2BK40-1	20179837	4.0	2BK70-3/4	20179882	5.6	2BK140-1 7/16	20179788	15.6
2BK40-1 1/8	20179838	4.0	2BK70-1	20179879	5.6	2BK160-1	20179789	18.5
2BK45-1	20179843	4.5	2BK70-1 1/8	20179880	5.6	2BK160-1 3/16	20179790	18.5
2BK45-1 1/8	20179844	4.5	2BK70-1 3/16	20179883	5.6	2BK160-1 7/16	20179791	18.5
2BK45-1 3/8	20179845	4.5	2BK70-1 3/8	20179881	5.6	2BK190-1 3/16	20179792	21.5
2BK47-7/8	20179849	5.1	2BK70-1 7/16	20179884	5.6	2BK190-1 7/16	20179793	21.5
2BK47-1	20179847	5.1						

*Weight does not include bushing and is approximate.

Light-Duty (FHP) Adjustable VP Series Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
1VP25-1/2	20180386	0.7	1VP30-3/4	20180390	1.1	1VP34-1	20180392	1.4
1VP25-5/8	20180388	0.7	1VP34-1/2	20180394	1.4	1VP34-1 1/8	20180393	1.4
1VP25-3/4	20180387	0.7	1VP34-5/8	20180396	1.4	1VP40-1/2	20180400	1.9
1VP30-1/2	20180389	1.1	1VP34-3/4	20180395	1.4	1VP40-5/8	20180402	1.9
1VP30-5/8	20180391	1.1	1VP34-7/8	20180397	1.4	1VP40-3/4	20180401	1.9

*Weight does not include bushing and is approximate.

continued on page 93

Light-Duty (FHP) Adjustable VP Series Sheaves

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
1VP40-7/8	20180403	1.9	1VP68-5/8	20180446	7.3	2VP56-1 1/8	20180475	7.8
1VP40-1	20180398	1.9	1VP68-3/4	20180445	7.3	2VP56-1 3/8	20180476	7.8
1VP40-1 1/8	20180399	1.9	1VP68-7/8	20180447	7.3	2VP56-1 5/8	20180477	7.8
1VP44-1/2	20180406	2.4	1VP68-1	20180441	7.3	2VP60-3/4	20180485	10.6
1VP44-5/8	20180408	2.4	1VP68-1 1/8	20180443	7.3	2VP60-7/8	20180486	10.6
1VP44-3/4	20180407	2.4	1VP68-1 1/4	20180442	7.3	2VP60-1	20180481	10.6
1VP44-7/8	20180409	2.4	1VP68-1 3/8	20180444	7.3	2VP60-1 1/8	20180482	10.6
1VP44-1	20180404	2.4	1VP71-3/4	20180451	8.5	2VP60-1 3/8	20180483	10.6
1VP44-1 1/8	20180405	2.4	1VP71-7/8	20180452	8.5	2VP60-1 5/8	20180484	10.6
1VP50-1/2	20180412	3.6	1VP71-1 1/8	20180448	8.5	2VP62-3/4	20180491	10.0
1VP50-5/8	20180414	3.6	1VP71-1 3/8	20180449	8.5	2VP62-7/8	20180492	10.0
1VP50-3/4	20180413	3.6	1VP71-1 5/8	20180450	8.5	2VP62-1	20180487	10.0
1VP50-7/8	20180415	3.6	1VP75-3/4	20180457	9.2	2VP62-1 1/8	20180489	10.0
1VP50-1	20180410	3.6	1VP75-7/8	20180458	9.2	2VP62-1 3/8	20180490	10.0
1VP50-1 1/8	20180411	3.6	1VP75-1	20180453	9.2	2VP62-1 5/8	20333034	10.0
1VP56-1/2	20180418	4.4	1VP75-1 1/8	20180454	9.2	2VP65-3/4	20180496	12.3
1VP56-5/8	20180420	4.4	1VP75-1 3/8	20180455	9.2	2VP65-7/8	20180497	12.3
1VP56-3/4	20180419	4.4	1VP75-1 5/8	20180456	9.2	2VP65-1 1/8	20180493	12.3
1VP56-7/8	20180421	4.4	2VP36-1/2	20333033	3.4	2VP65-1 3/8	20180494	12.3
1VP56-1	20180416	4.4	2VP36-5/8	20180462	3.4	2VP65-1 5/8	20180495	12.3
1VP56-1 1/8	20180417	4.4	2VP36-3/4	20180461	3.4	2VP68-3/4	20180503	11.7
1VP60-5/8	20180427	6.5	2VP36-7/8	20180463	3.4	2VP68-7/8	20180504	11.7
1VP60-3/4	20180426	6.5	2VP36-1	20180459	3.4	2VP68-1	20180498	11.7
1VP60-7/8	20180428	6.5	2VP36-1 1/8	20180460	3.4	2VP68-1 1/4	20180499	11.7
1VP60-1	20180422	6.5	2VP42-5/8	20180467	4.4	2VP68-1 1/8	20180500	11.7
1VP60-1 1/8	20180423	6.5	2VP42-3/4	20180466	4.4	2VP68-1 3/8	20180501	11.7
1VP60-1 3/8	20180424	6.5	2VP42-7/8	20180468	4.4	2VP68-1 5/8	20180502	11.7
1VP62-5/8	20180434	6.1	2VP42-1	20180464	4.4	2VP71-3/4	20180508	14.6
1VP62-3/4	20180433	6.1	2VP42-1 1/8	20180465	4.4	2VP71-7/8	20180509	14.6
1VP62-7/8	20180435	6.1	2VP50-5/8	20180472	6.3	2VP71-1 1/8	20180505	14.6
1VP62-1	20180429	6.1	2VP50-3/4	20180471	6.3	2VP71-1 3/8	20180506	14.6
1VP62-1 1/8	20180431	6.1	2VP50-7/8	20180473	6.3	2VP71-1 5/8	20180507	14.6
1VP62-1 1/4	20180430	6.1	2VP50-1	20180469	6.3	2VP75-3/4	20180514	16.5
1VP62-1 3/8	20180432	6.1	2VP50-1 1/8	20180470	6.3	2VP75-7/8	20180515	16.5
1VP65-3/4	20180439	6.8	2VP56-5/8	20180479	7.8	2VP75-1	20180510	16.5
1VP65-7/8	20180440	6.8	2VP56-3/4	20180478	7.8	2VP75-1 1/8	20180511	16.5
1VP65-1 1/8	20180436	6.8	2VP56-7/8	20180480	7.8	2VP75-1 3/8	20180512	16.5
1VP65-1 3/8	20180437	6.8	2VP56-1	20180474	7.8	2VP75-1 5/8	20180513	16.5
1VP65-1 5/8	20180438	6.8						

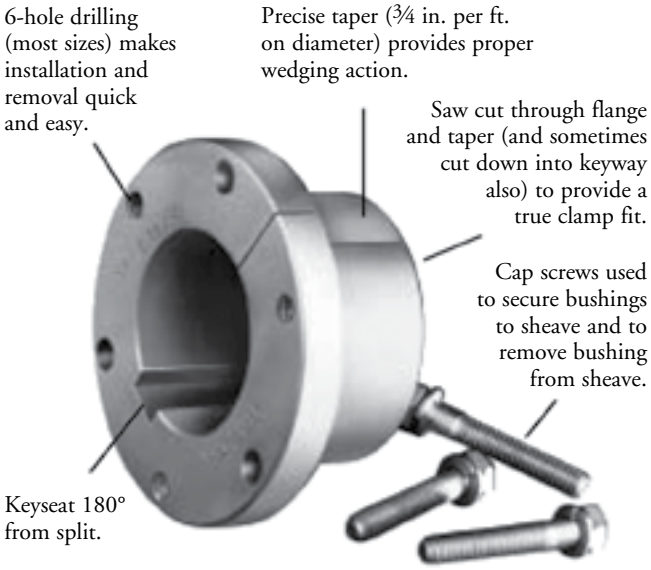
*Weight does not include bushing and is approximate.

BUSHINGS

Sure-Grip® "Quick Detachable" bushings are easy to install and remove. They are split through flange and taper to provide a true clamp on the shaft that is the equivalent of a shrink fit. All sizes except JA and QT have a setscrew over the key to help maintain the bushing's position on the shaft until the cap screws are securely tightened. Sure-Grip bushings have a very gradual taper (¾-inch taper per foot on the diameter) which is about half the inclined angle of many other bushings. The result is that the Sure-Grip securely clamps the shaft, with twice the force of those competitive bushings, to provide extreme holding power.

Versatile Sure-Grip bushings permit the mounting of the same mating part on shafts of different diameters, and the mounting of different sheaves on the same shaft using the same bushing. Their interchange ability extends through sheaves, pulleys, timing pulleys, sprockets, flexible and rigid couplings, made-to-order items by Veyance Technologies, and to product lines of several other mechanical power transmission manufacturers.

Sure-Grip bushings are manufactured with the drilled and tapped holes located at a precise distance from the keyseat; thus, a wide mating part having a bushing in each end can be mounted on a common shaft with the two keyways in line. This feature not only facilitates installation but also permits both bushings to carry an equal share of the load.



Available Sure-Grip Bushings	
QT*	F
JA	J
SH	M
SDS	N
SK	P
SF	W
E	S

Metric Sure-Grip Bushings	
QTMX	SKMX
JAMX	SFMX
SHMX	EMX
SDSMX	FMX
SDMX	

Available Sure-Grip Bushings (Millimeter Bores-Inch Bolt)	
QT	F
JA	J
SH	M
SDS	N
SD	P
SK	SKL
SF	SFL
E	EL

Metric "L" Series Flangeless Bushings	
SKLMX	ELMX
SFLMX	FLMX

"L" Series Flangeless Bushings	
EL	SKL
FL	SFL

Sure-Grip Idler Bushings & Replacement Bearings	
SH-BB	SF-BB
SD-BB	E-BB
SK-BB	

Sure-Grip Short Bushings	
JS	PS
MS	WS
NS	

*"H" is a split Taper Bushing. "QT" is a QD® Bushing and is interchangeable with an "H" bushing.
SURE-GRIP is a trademark of TB Wood's Incorporated

General Product Info

Sure-Grip®* Bushings

• Sure-Grip bushings conform to the specifications set forth by the Mechanical Power Transmission Association (MPTA) in their CO-1 Guideline of October 1992.

• An "MPB" or "Minimum Plain Bore" bushing is available in most bushing sizes. These bushings are unsplit and have no keyway. These bushings are intended for reboring and other alterations.

• Sure-Grip bushings for inch shafts conform to ANSI B17.1-1967, R1989 for key size versus shaft diameter and keyway dimensions. Square keys are used where possible. For larger bores where a square key is not possible, the required rectangular key is furnished with the bushing.

• Sure-Grip bushings for metric shafts conform to British Standard HS 4235: Part 1:1972 for key size versus shaft diameter and keyway dimensions. For larger bores where it is not possible to maintain the standard keyway depth, a more shallow keyway may be used. Special metric keys are not furnished with the bushing.

V-Belt Sheaves, Synchronous Belt Sprockets, Flat Belt Pulleys, etc.

Materials

• The standard material is class 30 or higher cast iron. Products made from cast iron have a maximum speed limitation of 6,500 foot/minute at the outside diameter. Higher speed requirements dictate the use of higher strength materials.

• For speeds up to 16,000 foot/minute or high shock application requiring greater toughness, special ductile iron products can be made.

Balance

• The standard balance is a one-plane tolerance to a G26 quality grade based on 3,500 RPM or the maximum rated speed. A two-plane balance to a G6.3 quality grade is available at an added cost. Sure-Grip bushed products which are one-plane balanced are marked so the bushing can be reinstalled at the application the same way it was installed for balancing. See MPTA SPB-95 for standard balancing practices.

Standards

• The following products meet or exceed the noted ANSI/RMA design standards.

Classical V-Belt Sheaves	IP-20-2007
Narrow V-Belt Sheaves	IP-22-2007
Synchronous Belt Pulleys	IP-24-2001
Curvlinear Boil Sprockets	IP-27-2009
FHP Belts and Sheaves	IP-23-2009
Hex Belts and Sheaves	IP-21-2009

Special Constructions Available

• We have the capability to assist in your design and quote any specially designed power transmission drive. We are able to offer consistently competitive prices and fast delivery on the following specials plus much more.

V-Belt Sheaves
- Nonstandard diameter requirements.
- Nonstandard number of grooves.
- Unusual hub configurations.
- Deep grooves.
- Metric grooves.
- Added inertia or flywheel effect.

Synchronous Sprockets
- Nonstandard number of teeth.
- Nonstandard face widths.
- Unusual hub configurations.
- Special tooth profiles.
- Added inertia of flywheel effect.

Flat Belt Pulleys
- Nonstandard diameter requirements.
- Nonstandard face widths.
- Unusual hub configurations.
- Split through rim or arm designs.
- All types of special crowns.
- Added inertia or flywheel effect.
- Taper cone arrangements.

Flywheels
- Flywheels per customer design.

*Trademark of TB Wood's Incorporated.

Taper-Lock Bushings

Part No.	SAP No.	Wt.
TL1008	20181861	0.20
TL1108	20181862	0.20
TL1210	20181863	0.55
TL1215	20181864	0.70
TL1310	20181865	0.70
TL1610	20181866	0.70
TL1615	20181867	0.80
TL2012	20181868	1.40
TL2517	20181869	2.50
TL2525	20181870	3.50
TL3020	20181871	5.00
TL3535	20181872	10.00
TL4040	20181873	17.00
TL4545	20181874	25.00

Sure-Grip®* Bushings

Part No.	SAP No.	Wt.
QT-7/16 MPB	20181485	0.6
QT-1/2	20181479	0.6
QT-9/16	20181487	0.6
QT-5/8	20181484	0.6
QT-11/16	20181480	0.6
QT-3/4	20181483	0.6
QT-13/16	20181481	0.6
QT-7/8	20181486	0.6
QT-15/16	20181482	0.6
QT-1	20181470	0.6
QT-1 1/16	20181471	0.6
QT-1 1/8	20181474	0.6
QT-1 3/16	20181475	0.6
QT-1 1/4	20181473	0.6
QT-1 5/16	20181477	0.6
QT-1 3/8	20181476	0.6
QT-1 7/16	20181478	0.6
QT-1 1/2	20181472	0.6
JA-1/2	20181291	0.8
JA-1/2	20181291	0.8
JA-9/16	20181299	0.8
JA-5/8	20181297	0.8
JA-11/16	20181293	0.8
JA-3/4	20181296	0.8
JA-13/16	20181294	0.8
JA-7/8	20181298	0.8
JA-15/16	20181295	0.8
JA-1	20181286	0.8
JA-1 1/16	20181287	0.8
JA-1 1/8	20181289	0.8
JA-1 3/16	20181290	0.8
JA-1 1/4	20181288	0.8
SH-7/16 MPB	20181730	1.1
SH-1/2	20181724	1.1
SH-9/16	20181732	1.1
SH-5/8	20181729	1.1
SH-11/16	20181725	1.0
SH-3/4	20181728	1.0
SH-13/16	20181726	1.0
SH-7/8	20181731	1.0
SH-15/16	20181727	1.0
SH-1	20181712	0.9
SH-1 1/16	20181713	0.9
SH-1 1/8	20181716	0.9
SH-1 3/16	20181718	0.8
SH-1 1/4	20181715	0.8
SH-1 5/16	20181720	0.7
SH-1 3/8	20181719	0.7
SH-1 7/16	20181722	0.7
SH-1 1/2	20181714	0.6
SH-1 9/16	20181723	0.6
SH-1 5/8	20181721	0.5
SH-1 11/16	20181717	0.5
SDS-7/16 MPB	20181583	1.7
SDS-1/2	20181576	1.7
SDS-9/16	20181585	1.7
SDS-5/8	20181582	1.6
SDS-11/16	20181577	1.6
SDS-3/4	20181581	1.6
SDS-13/16	20181578	1.6
SDS-7/8	20181584	1.5
SDS-15/16	20181579	1.5
SDS-1	20181559	1.5
SDS-1 1/16	20181560	1.4
SDS-1 1/8	20181563	1.4
SDS-1 3/16	20181567	1.4
SDS-1 1/4	20181562	1.3
SDS-1 5/16	20181571	1.3
SDS-1 3/8	20181569	1.2
SDS-1 3/8 3/8 KS	20181570	1.2
SDS-1 7/16	20181573	1.2
SDS-1 1/2	20181561	1.1
SDS-1 9/16	20181575	1.1
SDS-1 5/8	20181572	1.0
SDS-1 11/16	20181564	1.0
SDS-1 3/4	20181568	1.0
SDS-1 13/16	20181565	0.9
SDS-1 7/8	20181574	0.9
SDS-1 15/16	20181566	0.8
SDS-2	20181580	0.7
SD-7/16 MPB	20181543	2.1
SD-1/2	20181536	2.1
SD-9/16	20181545	2.1
SD-5/8	20181542	2.1
SD-11/16	20181537	2.0
SD-3/4	20181541	2.0
SD-13/16	20181538	2.0
SD-7/8	20181544	1.9
SD-15/16	20181539	1.9
SD-1	20181519	1.8
SD-1 1/16	20181520	1.8
SD-1 1/8	20181523	1.7
SD-1 3/16	20181527	1.7
SD-1 1/4	20181522	1.6
SD-1 5/16	20181531	1.6
SD-1 3/8	20181529	1.5
SD-1 3/8 3/8 KS	20181530	1.5
SD-1 7/16	20181533	1.4
SD-1 1/2	20181521	1.4
SD-1 9/16	20181535	1.3
SD-1 5/8	20181532	1.2
SD-1 11/16	20181524	1.2
SD-1 3/4	20181528	1.1
SD-1 13/16	20181525	1.1
SD-1 7/8	20181534	1.0
SD-1 15/16	20181526	0.9
SD-2	20181540	0.8
SK-7/16 MPB	20181790	3.6
SK-1/2	20181772	3.6
SK-9/16	20181792	3.6
SK-5/8	20181789	3.6
SK-11/16	20181773	3.5
SK-3/4	20181788	3.5
SK-13/16	20181774	3.5
SK-7/8	20181791	3.4
SK-15/16	20181775	3.4
SK-1	20181753	3.3
SK-1 1/16	20181754	3.3
SK-1 1/8	20181757	3.2
SK-1 3/16	20181761	3.2

*Trademark of TB Wood's Incorporated.

continued on page 97

SURE-GRIP®* BUSHINGS

Part No.	SAP No.	Wt.
SK-1 1/4	20181756	3.1
SK-1 5/16	20181766	3.1
SK-1 5/16 3/8 KS	20181767	3.1
SK-1 3/8	20181764	3.0
SK-1 3/8 3/8 KS	20181765	3.0
SK-1 7/16	20181769	2.9
SK-1 1/2	20181755	2.9
SK-1 9/16	20181771	2.8
SK-1 5/8	20181768	2.7
SK-1 11/16	20181758	2.6
SK-1 3/4	20181762	2.5
SK-1 3/4 1/2 KS	20181763	2.5
SK-1 13/16	20181759	2.4
SK-1 7/8	20181770	2.4
SK-1 15/16	20181760	2.3
SK-2	20181776	2.2
SK-2 1/16	20181777	2.1
SK-2 1/8	20181781	2.0
SK-2 3/16	20181782	2.0
SK-2 1/4	20181779	1.9
SK-2 1/4 5/8 KW	20181780	1.9
SK-2 5/16	20181784	1.8
SK-2 3/8	20181783	1.7
SK-2 7/16	20181786	1.6
SK-2 1/2	20181778	1.5
SK-2 9/16 NO KW	20181787	1.3
SK-2 5/8 NO KW	20181785	1.1
SF-1/2 MPB	20181636	5.1
SF-1/2	20181635	5.1
SF-5/8	20181655	5.0
SF-3/4	20181654	5.0
SF-7/8	20181656	4.9
SF-15/16	20181637	4.8
SF-1	20181618	4.8
SF-1 1/16	20181619	4.7
SF-1 1/8	20181622	4.7
SF-1 3/16	20181626	4.6
SF-1 1/4	20181621	4.5
SF-1 5/16	20181630	4.5
SF-1 3/8	20181628	4.4
SF-1 3/8 3/8 KS	20181629	4.4
SF-1 7/16	20181632	4.3
SF-1 1/2	20181620	4.2
SF-1 9/16	20181634	4.2
SF-1 5/8	20181631	4.1
SF-1 11/16	20181623	4.0
SF-1 3/4	20181627	3.9
SF-1 13/16	20181624	3.8
SF-1 7/8	20181633	3.7
SF-1 5/16	20181630	3.6
SF-2	20181638	3.5
SF-2 1/16	20181639	3.4
SF-2 1/8	20181643	3.3
SF-2 3/16 DI	20181646	3.2
SF-2 1/4 DI	20181642	3.1
SF-2 1/4 5/8 KS D	20181641	3.1
SF-2 5/16 DI	20181649	3.1
SF-2 3/8 DI	20181648	3.0
SF-2 7/16 DI	20181651	2.9
SF-2 1/2 DI	20181640	2.8
SF-2 9/16 DI	20181653	2.6
SF-2 5/8 DI	20181650	2.5
SF-2 11/16 DI	20181644	2.4
SF-2 3/4 DI	20181647	2.2
SF-2 7/8 DI	20181652	1.8
SF-2 15/16 DI	20181645	1.7
E-7/8PB	20181089	10.8
E-7/8	20181088	10.8
E-15/16	20181062	10.8
E-1	20181046	10.7
E-1 1/8	20181049	10.6
E-1 3/16	20181053	10.5
E-1 1/4	20181048	10.4
E-1 5/16	20181057	10.3
E-1 3/8	20181055	10.2
E-1 3/8 3/8 KS	20181056	10.2
E-1 7/16	20181059	10.1
E-1 1/2	20181047	10.0
E-1 9/16	20181061	9.9
E-1 5/8	20181058	9.8
E-1 11/16	20181050	9.7
E-1 3/4	20181054	9.6
E-1 13/16	20181051	9.4
E-1 7/8	20181060	9.3
E-1 15/16	20181052	9.2
E-2	20181063	9.0
E-2 1/16	20181064	8.9
E-2 1/8	20181068	8.8
E-2 3/16	20181072	8.6
E-2 1/4	20181066	8.5
E-2 1/4 5/8 KS	20181067	8.5
E-2 5/16	20181075	8.3
E-2 3/8	20181074	8.1
E-2 7/16	20181077	8.0
E-2 1/2	20181065	7.8
E-2 9/16	20181079	7.6
E-2 5/8	20181076	7.5
E-2 11/16 DI	20181069	7.3
E-2 3/4 DI	20181073	7.1
E-2 13/16 DI	20181070	7.2
E-2 7/8 DI	20181078	7.1
E-2 15/16 DI	20181071	6.9
E-3 DI	20181087	6.7
E-3 1/8 DI	20181082	6.3
E-3 3/16 DI	20181083	6.0
E-3 1/4 DI	20181081	5.8
E-3 5/16 DI	20181085	5.7
E-3 3/8 DI	20181084	5.5
E-3 7/16 DI	20181086	5.2
E-3 1/2 DI	20181080	4.7
F-1	20181147	17.9
F-1	20181147	17.9
F-1 1/8	20181150	17.7
F-1 3/16	20181153	17.6
F-1 1/4	20181149	17.5
F-1 3/8	20181155	17.2
F-1 7/16	20181157	17.1
F-1 1/2	20181148	16.9
F-1 9/16	20181159	16.8
F-1 5/8	20181156	16.7
F-1 11/16	20181151	16.5
F-1 3/4	20181154	16.3
F-1 7/8	20181158	16.0
F-1 15/16	20181152	15.8
F-2	20181161	15.6
F-2 1/16	20181162	15.4
F-2 1/8	20181166	15.2
F-2 3/16	20181170	15.0
F-2 1/4	20181164	14.8
F-2 1/4 5/8 KS	20181165	14.8
F-2 5/16	20181173	14.5
F-2 3/8	20181172	14.3
F-2 7/16	20181175	14.1
F-2 1/2	20181163	13.9
F-2 9/16	20181177	13.7
F-2 5/8	20181174	13.4
F-2 11/16	20181167	13.2
F-2 3/4	20181171	12.9
F-2 13/16	20181168	12.6
F-2 7/8	20181176	12.3
F-2 15/16	20181169	12.1
F-3	20181178	11.8
F-3 1/8	20181181	11.2
F-3 3/16 DI	20181184	10.9
F-3 1/4 DI	20181180	10.6
F-3 5/16 DI	20181187	11.0
F-3 3/8 DI	20181186	10.6
F-3 7/16 DI	20181189	10.3
F-3 1/2 DI	20181179	10.0
F-3 5/8 DI	20181188	9.4
F-3 11/16 DI	20181182	9.0
F-3 3/4 DI	20181185	8.7
F-3 7/8 DI	20181190	8.1
F-3 15/16 DI	20181183	7.7
F-4 NO KW DI	20181191	6.9

*Trademark of TB Wood's Incorporated.

continued on page 98

SURE-GRIP®* BUSHINGS

Part No.	SAP No.	Wt.
J-1 7/16 MPB	20181250	28.1
J-1 7/16	20181249	28.1
J-1 1/2	20181245	28.0
J-1 11/16	20181246	27.4
J-1 3/4	20181248	27.2
J-1 7/8	20181251	26.7
J-1 15/16	20181247	26.5
J-2	20181252	26.3
J-2 1/8	20181255	25.8
J-2 3/16	20181258	25.6
J-2 1/4	20181254	25.3
J-2 1/4-5/8KS	20332967	25.3
J-2 5/16	20181261	25.0
J-2 3/8	20181260	24.7
J-2 7/16	20181263	24.5
J-2 1/2	20181253	24.2
J-2 5/8	20181262	23.6
J-2 11/16	20181256	23.3
J-2 3/4	20181259	23.0
J-2 7/8	20181264	22.2
J-2 15/16	20181257	21.9
J-3	20181265	21.6
J-3 1/8	20181268	20.9
J-3 3/16	20181272	20.5
J-3 1/4	20181267	20.1
J-3 5/16	20181275	19.6
J-3 3/8	20181274	19.3
J-3 7/16	20181277	18.9
J-3 1/2	20181266	18.5
J-3 5/8	20181276	17.7
J-3 11/16 DI	20181269	17.2
J-3 3/4 DI	20181273	16.8
J-3 13/16 DI	20181270	17.4
J-3 7/8 DI	20181278	17.0
J-3 15/16 DI	20181271	16.5
J-4 DI	20181285	16.1
J-4 1/8 DI	20181281	15.2
J-4 3/16 DI	20181282	14.7
J-4 1/4 DI	20181280	14.2
J-4 3/8 DI	20181283	13.2
J-4 7/16 DI	20181284	12.7
J-4 1/2 DI	20181279	12.2
M-1 15/16 MPB	20181336	63.7
M-1 15/16	20181335	63.7
M-2	20181337	63.3
M-2 3/16	20181342	62.3
M-2 1/4	20181339	61.9
M-2 3/8	20181344	61.0
M-2 7/16	20181347	60.6
M-2 1/2	20181338	60.1
M-2 5/8	20181346	59.3
M-2 11/16	20181340	58.8
M-2 3/4	20181343	58.3
M-2 7/8	20181348	57.2
M-2 15/16	20181341	56.7
M-3	20181349	56.2
M-3 1/8	20181352	55.2
M-3 3/16	20181356	54.6
M-3 1/4	20181351	54.1
M-3 3/8	20181358	52.8
M-3 7/16	20181360	52.2
M-3 1/2	20181350	51.6
M-3 5/8	20181359	50.4
M-3 11/16	20181353	49.7
M-3 3/4	20181357	49.1
M-3 1316	20181354	48.4
M-3 7/8	20181361	47.6
M-3 15/16	20181355	46.9
M-4	20181362	46.2
M-4 1/8	20181365	44.8
M-4 3/16	20181368	44.1
M-4 1/4	20181364	43.4
M-4 3/8	20181370	41.9
M-4 7/16	20181372	41.2
M-4 1/2	20181363	40.4
M-4 5/8	20181371	38.5
M-4 11/16	20181366	37.5
M-4 3/4	20181369	36.7
M-4 7/8	20181373	37.8
M-4 15/16	20181367	37.0
M-5	20181374	36.1
M-5 3/16	20181377	33.5
M-5 1/4	20181376	32.6
M-5 3/8	20181378	31.0
M-5 7/16	20181379	29.9
M-5 1/2	20181375	28.9
N-2 15/16	20181393	84.1
N-3	20181394	83.5
N-3 3/8	20181398	79.3
N-3 7/16	20181400	78.6
N-3 1/2	20181395	77.9
N-3 5/8	20181399	76.4
N-3 3/4	20181397	74.9
N-3 7/8	20181401	73.1
N-3 15/16	20181396	72.3
N-4	20181402	71.5
N-4 3/16	20181406	68.9
N-4 1/4	20181404	68.1
N-4 3/8	20181408	66.3
N-4 7/16	20181410	65.4
N-4 1/2	20181403	64.5
N-4 5/8	20181409	62.0
N-4 3/4	20181407	60.0
N-4 7/8	20181411	58.1
N-4 15/16	20181405	57.0
N-5	20181412	56.0
N-5 3/16	20181415	56.1
N-5 7/16	20181416	51.7
N-5 1/2	20181413	50.6
N-5 7/8	20181417	44.3
N-5 15/16	20181414	43.9
P-2 15/16	20181425	141.2
P-3 1/4	20181427	137.6
P-3 7/16	20181431	134.9
P-3 1/2	20181426	134.1
P-3 5/8	20181430	132.4
P-3 3/4	20181429	130.6
P-3 7/8	20181432	128.5
P-3 15/16	20181428	127.6
P-4	20181433	126.7
P-4 1/4	20181435	122.7
P-4 3/8	20181439	120.7
P-4 7/16	20181441	119.6
P-4 1/2	20181434	118.6
P-4 5/8	20181440	115.7
P-4 11/16	20181436	114.6
P-4 3/4	20181438	113.5
P-4 7/8	20181442	111.2
P-4 15/16	20181437	110.0
P-5	20181443	108.8
P-5 3/16	20181447	105.2
P-5 1/4	20181445	103.9
P-5 5/16	20181450	102.7
P-5 3/8	20181449	101.4
P-5 7/16	20181451	100.1
P-5 1/2	20181444	98.8
P-5 3/4	20181448	98.1
P-5 7/8	20181452	95.3
P-5 15/16	20181446	93.9
P-6	20181453	92.5
P-6 1/16	20181454	91.0
P-6 1/4	20181456	86.5
P-6 7/16	20181458	82.0
P-6 1/2	20181455	80.5
P-6 3/4	20181457	74.7
P-7	20181459	68.1
W-4 1/4 MPB	20181843	249.0
W-4 7/8 MPB	20181844	235.0
W-5 1/4 MPB	20181845	227.0
W-5 7/8 MPB	20181846	210.0
W-6 1/2 MPB	20181847	193.0
W-7 1/4 MPB	20181848	169.0
S-6 MPB	20181516	471.0
S-8 MPB	20181517	381.0
S-9 MPB	20181518	326.0

*Trademark of TB Wood's Incorporated.

SURE-GRIP®* BUSHINGS

(MILLIMETER BORES-INCH BOLTS)

Part No.	SAP No.	Wt.
QTX14MM	20181502	0.6
QTX15MM	20181503	0.6
QTX16MM	20181504	0.6
QTX18MM	20181505	0.6
QTX19MM	20181506	0.6
QTX20MM	20181507	0.6
QTX22MM	20181508	0.6
QTX24MM	20181509	0.6
QTX25MM	20181510	0.6
QTX28MM	20181511	0.6
QTX30MM	20181512	0.6
QTX32MM	20181513	0.6
QTX35MM	20181514	0.6
QTX38MM	20181515	0.6
JAX15MM	20181310	0.8
JAX16MM	20181311	0.8
JAX19MM	20181312	0.8
JAX20MM	20181313	0.8
JAX24MM	20181314	0.8
JAX25MM	20181315	0.8
JAX28MM	20181316	0.8
SHX24MM	20181747	0.9
SHX25MM	20181748	0.9
SHX28MM	20181749	0.9
SHX30MM	20181750	0.8
SHX32MM	20181751	0.8
SHX35MM	20181752	0.7
SDSX24MM	20181600	1.5
SDSX25MM	20181601	1.5
SDSX28MM	20181602	1.4
SDSX30MM	20181603	1.4
SDSX32MM	20181604	1.3
SDSX35MM	20181605	1.2
SDSX38MM	20181606	1.1
SDSX40MM	20181607	1.1
SDSX42MM	20181608	1.0
SDX24MM	20181609	1.8
SDX25MM	20181610	1.8
SDX28MM	20181611	1.7
SDX30MM	20181612	1.7
SDX32MM	20181613	1.6
SDX35MM	20181614	1.5
SDX38MM	20181615	1.4
SDX40MM	20181616	1.3
SDX42MM	20181617	1.2
SKX24MM	20181830	3.3
SKX25MM	20181831	3.3
SKX28MM	20181832	3.2
SKX30MM	20181833	3.2
SKX32MM	20181834	3.1
SKX35MM	20181835	3.0
SKX38MM	20181836	2.9
SKX40MM	20181837	3.6
SKX42MM	20181838	2.7
SKX45MM	20181839	2.6
SKX48MM	20181840	2.4
SKX50MM	20181841	2.3
SKX55MM	20181842	2.0
SFX28MM	20181699	4.7
SFX30MM	20181700	4.6
SFX32MM	20181701	4.5
SFX35MM	20181702	4.4
SFX38MM	20181703	4.2
SFX40MM	20181704	4.2
SFX42MM	20181705	4.1
SFX45MM	20181706	3.9
SFX48MM	20181707	3.7
SFX50MM	20181708	3.6
SFX55MM	20181709	3.2
SFX60MM DI	20181710	3.0
SFX65MM DI	20181711	2.8
EX35MM	20181134	10.2
EX38MM	20181135	10.0
EX40MM	20181136	9.9
EX42MM	20181137	9.8
EX45MM	20181138	9.6
EX48MM	20181139	9.3
EX50MM	20181140	9.2
EX55MM	20181141	8.6
EX60MM	20181142	8.1
EX65MM	20181143	7.6
EX70MM	20181144	7.1
EX75MM DI	20181145	6.9
EX80MM DI	20181146	6.7
FX45MM	20181234	16.2
FX48MM	20181235	16.0
FX50MM	20181236	15.8
FX55MM	20181237	15.0
FX60MM	20181238	14.3
FX65MM	20181239	13.7
FX70MM	20181240	12.9
FX75MM	20181241	12.1
FX80MM	20181242	11.2
FX85MM	20181243	10.6
FX90MM DI	20181244	9.7
JX50MM	20181325	26.5
JX55MM	20181326	25.6
JX60MM	20181327	24.7
JX65MM	20181328	23.9
JX70MM	20181329	23.0
JX75MM	20181330	21.9
JX80MM	20181331	20.9
JX85MM	20181332	19.3
JX90MM	20181333	18.1
JX95MM	20181334	16.8
JX100MM	20181324	16.5
MX80MM	20181389	55.0
MX90MM	20181390	51.2
MX100MM	20181387	46.9
MX120MM	20181388	37.0
N-100MM	20181391	72.3
N-120MM	20181392	60.2
PX150MM	20181469	95.8

*Trademark of TB Wood's Incorporated.

"L" Series Flangeless Bushings

Part No.	SAP No.	Wt.
SKL-1/2	20181808	1.7
SKL-1/2	20181808	1.7
SKL-5/8	20181812	1.7
SKL-3/4	20181811	1.6
SKL-7/8	20181813	1.6
SKL-15/16	20181810	1.6
SKL-1	20181793	1.6
SKL-1 1/8	20181796	1.5
SKL-1 3/16	20181800	1.4
SKL-1 1/4	20181795	1.4
SKL-1 5/16	20181803	1.3
SKL-1 3/8	20181802	1.3
SKL-1 7/16	20181805	1.2
SKL-1 1/2	20181794	1.2
SKL-1 9/16	20181807	1.2
SKL-1 5/8	20181804	1.1
SKL-1 11/16	20181797	1.1
SKL-1 3/4	20181801	1.0
SKL-1 13/16	20181798	1.0
SKL-1 7/8	20181806	0.9
SKL-1 15/16	20181799	0.8
SFL-1/2	20181673	2.1
SFL-1/2	20181673	2.1
SFL-5/8	20181683	2.1
SFL-3/4	20181682	2.0
SFL-7/8	20181684	2.0
SFL-15/16	20181675	2.0
SFL-1	20181658	2.0
SFL-1 1/8	20181661	1.9
SFL-1 3/16	20181665	1.8
SFL-1 1/4	20181660	1.8
SFL-1 5/16	20181668	1.7
SFL-1 3/8	20181667	1.7
SFL-1 7/16	20181670	1.6
SFL-1 1/2	20181659	1.6
SFL-1 9/16	20181672	1.5
SFL-1 5/8	20181669	1.5

Part No.	SAP No.	Wt.
SFL-1 11/16	20181662	1.4
SFL-1 3/4	20181666	1.4
SFL-1 13/16	20181663	1.4
SFL-1 7/8	20181671	1.3
SFL-1 15/16	20181664	1.3
SFL-2	20181676	1.2
SFL-2 1/8	20181678	1.1
SFL-2 3/16	20181679	1.0
SFL-2 1/4	20181677	1.0
SFL-2 5/16	20181681	0.9
SFL-2 3/8	20181680	0.9
EL-78 MPB	20181121	4.1
EL-78	20181120	4.1
EL-15/16	20181105	4.0
EL-1	20181090	3.9
EL-1 1/8	20181093	3.8
EL-1 3/16	20181097	3.8
EL-1 1/4	20181092	3.7
EL-1 5/16	20181100	3.6
EL-1 3/8	20181099	3.6
EL-1 7/16	20181102	3.5
EL-1 1/2	20181091	3.5
EL-1 9/16	20181104	3.4
EL-1 5/8	20181101	3.4
EL-1 11/16	20181094	3.3
EL-1 3/4	20181098	3.2
EL-1 13/16	20181095	3.2
EL-1 7/8	20181103	3.1
EL-1 15/16	20181096	3.0
EL-2	20181106	3.0
EL-2 1/8	20181109	2.9
EL-2 3/16	20181112	2.8
EL-2 1/4	20181108	2.7
EL-2 5/16	20181115	2.6
EL-2 3/8	20181114	2.5
EL-2 7/16	20181117	2.4
EL-2 1/2	20181107	2.3

Part No.	SAP No.	Wt.
EL-2 9/16	20181119	2.3
EL-2 5/8	20181116	2.2
EL-2 11/16	20181110	2.1
EL-2 3/4	20181113	2.0
EL-2 13/16	20181111	1.9
EL-2 7/8	20181118	1.8
FL-1	20181192	8.5
FL-1	20181192	8.5
FL-1 1/8	20181195	8.3
FL-1 3/16	20181198	8.2
FL-1 1/4	20181194	8.1
FL-1 3/8	20181200	8.0
FL-1 7/16	20181202	7.9
FL-1 1/2	20181193	7.8
FL-1 9/16	20181204	7.6
FL-1 5/8	20181201	7.5
FL-1 11/16	20181196	7.4
FL-1 3/4	20181199	7.3
FL-1 7/8	20181203	7.1
FL-1 15/16	20181197	7.0
FL-2	20181206	6.7
FL-2 1/8	20181209	6.6
FL-2 3/16	20181213	6.5
FL-2 1/4	20181208	6.4
FL-2 5/16	20181216	6.3
FL-2 3/8	20181215	6.2
FL-2 7/16	20181218	6.1
FL-2 1/2	20181207	5.9
FL-2 9/16	20181220	5.7
FL-2 5/8	20181217	5.6
FL-2 11/16	20181210	5.4
FL-2 3/4	20181214	5.3
FL-2 13/16	20181211	5.1
FL-2 7/8	20181219	4.9
FL-2 15/16	20181212	4.8
FL-3	20181221	4.6
FL-3 1/8	20181222	4.5

Sure-Grip®* Idler Bushings & Replacement Bearings

Part No.	SAP No.	Wt.	
SH-BB	20221732	1.5	Use bearing G275
SD-BB	20221733	2.5	Use bearing G275
SK-BB	20221734	4.5	Use bearing G276
SF-BB	20221735	8.0	Use bearing G276
E-BB	20221736	12.0	Use bearing G277

Part No.	SAP No.	Wt.
G275	20221737	1.0
G276	20221738	1.0
G277	20221739	0.8

*Trademark of TB Wood's Incorporated.

METRIC SURE-GRIP®* BUSHINGS

Part No.	SAP No.	Wt.
QTMX10MM	20181489	0.6
QTMX10MM	20181489	0.6
QTMX11MM	20181491	0.6
QTMX14MM	20181492	0.6
QTMX15MM	20181493	0.6
QTMX16MM	20181494	0.6
QTM19MM	20181488	0.6
QTMX20MM	20181495	0.6
QTMX24MM	20181496	0.6
QTMX25MM	20181497	0.6
QTMX28MM	20181498	0.6
QTMX30MM	20181499	0.6
QTMX32MM	20181500	0.6
QTMX38MM	20181501	0.6
JAMX10MM	20181300	0.8
JAMX10MM	20181300	0.8
JAMX11MM	20181302	0.8
JAMX14MM	20181303	0.8
JAMX15MM	20181304	0.8
JAMX19MM	20181305	0.8
JAMX20MM	20181306	0.8
JAMX24MM	20181307	0.8
JAMX25MM	20181308	0.8
JAMX28MM	20181309	0.8
SHMX10MM	20181733	1.1
SHMX10MM	20181733	1.1
SHMX11MM	20181735	1.1
SHMX14MM	20181736	1.1
SHMX15MM	20181737	1.1
SHMX19MM	20181738	1.0
SHMX20MM	20181739	1.0
SHMX24MM	20181740	1.0
SHMX25MM	20181741	1.0
SHMX28MM	20181742	0.9
SHMX30MM	20181743	0.8
SHMX35MM	20181744	0.8
SHMX38MM	20181745	0.7
SHMX40MM	20181746	0.6
SDSMX10MM MPB	20181586	1.7
SDSMX15MM	20181587	1.6
SDSMX19MM	20181588	1.6
SDSMX20MM	20181589	1.6
SDSMX24MM	20181590	1.5
SDSMX25MM	20181591	1.5
SDSMX28MM	20181592	1.4
SDSMX30MM	20181593	1.4
SDSMX32MM	20181594	1.3
SDSMX35MM	20181595	1.2
SDSMX38MM	20181596	1.1
SDSMX40MM	20181597	1.0
SDSMX42MM	20181598	1.0
SDSMX48MM	20181599	0.9
SDMX15MM	20181546	2.0
SDMX15MM	20181546	2.0
SDMX19MM	20181548	1.9
SDMX20MM	20181549	1.9
SDMX24MM	20181550	1.9
SDMX28MM	20181552	1.7
SDMX30MM	20181553	1.7
SDMX35MM	20181554	1.5
SDMX38MM	20181555	1.4
SDMX40MM	20181556	1.3
SDMX42MM	20181557	1.2
SDMX48MM	20181558	1.0
SKMX15MM MPB	20181815	3.6
SKMX19MM	20181816	3.5
SKMX20MM	20181817	3.5
SKMX24MM	20181818	3.4
SKMX28MM	20181819	3.2
SKMX30MM	20181820	3.2
SKMX32MM	20181821	3.1
SKMX35MM	20181822	3.0
SKMX38MM	20181823	2.9
SKMX40MM	20181824	2.8
SKMX42MM	20181825	2.7
SKMX48MM	20181826	2.4
SKMX50MM	20181827	2.3
SKMX55MM	20181828	2.0
SKMX60MM	20181829	1.7
SFMX15MM MPB	20181686	5.1
SFMX20MM	20181687	5.0
SFMX24MM	20181688	4.8
SFMX28MM	20181689	4.7
SFMX30MM	20181690	4.6
SFMX35MM	20181691	4.0
SFMX38MM	20181692	4.2
SFMX40MM	20181693	4.2
SFMX42MM	20181694	4.1
SFMX48MM	20181695	3.7
SFMX50MM	20181696	3.5
SFMX55MM	20181697	3.2
SFMX60MM	20181698	3.0
EMX20MM MPB	20181123	10.8
EMX28MM	20181124	10.6
EMX30MM	20181125	10.5
EMX38MM	20181126	10.0
EMX40MM	20181127	9.9
EMX42MM	20181128	9.8
EMX48MM	20181129	9.3
EMX50MM	20181130	9.2
EMX55MM	20181131	8.6
EMX60MM	20181132	8.1
EMX70MM	20181133	7.1
FMX20MM MPB	20181224	18.0
FMX30MM MPB	20181225	17.6
FMX38MM MPB	20181226	16.9
FMX40MM MPB	20181227	16.8
FMX42MM MPB	20181228	16.7
FMX48MM MPB	20181229	18.0
FMX50MM MPB	20181230	15.7
FMX55MM MPB	20181231	15.0
FMX60MM MPB	20181232	14.3
FMX70MM MPB	20181233	12.9

*Trademark of TB Wood's Incorporated.

METRIC "L" SERIES FLANGELESS BUSHINGS

Part No.	SAP No.	Wt.
SKLMX15MM MPB	20181814	1.7
SFLMX15MM MPB	20181685	2.1
ELMX20MM MPB	20181122	4.1

SURE-GRIP®* SHORT BUSHINGS

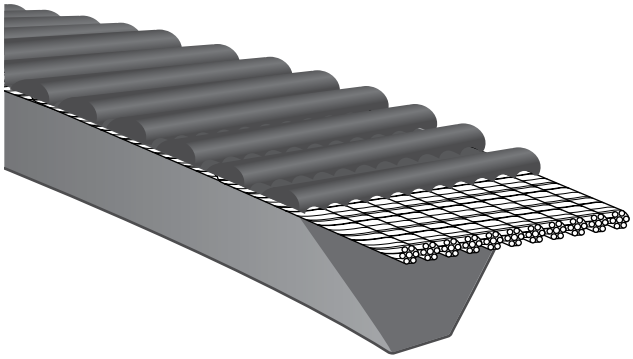
Part No.	SAP No.	Wt.	Part No.	SAP No.	Wt.	Part No.	SAP No.	Wt.
JS-2 7/16	20181318	20.0	NS-4 7/16	20181421	52.5	WS-5 7/16	20181850	172.3
JS-2 15/16	20181317	18.1	NS-4 15/16	20181420	46.5	WS-5 15/16	20181849	161.1
JS-3 7/16	20181322	15.9	NS-5 7/16	20181423	43.9	WS-6	20181851	160.0
JS-3 1/2	20181320	15.6	NS-5 1/2	20332968	43.1	WS-6 7/16	20181854	155.0
JS-3 15/16	20181321	14.3	NS-5 15/16	20181422	39.0	WS-6 1/2	20181852	153.0
JS-4 7/16	20181323	11.5	NS-6	20181424	38.8	WS-6 15/16	20181853	140.0
MS-3 7/16	20181382	41.2	PS-4 15/16	20181460	88.3	WS-7	20181855	139.0
MS-3 1/2	20181380	40.7	PS-5 7/16	20181463	81.3	WS-7 1/2	20181856	137.0
MS-3 15/16	20181381	37.3	PS-5 15/16	20181462	78.4	WS-7 15/16	20181857	126.9
MS-4 7/16	20181385	33.3	PS-6	20181464	77.4	WS-8	20181858	124.0
MS-4 15/16	20181384	30.9	PS-6 7/16	20181467	70.0	WS-8 7/16	20181860	107.3
MS-5 7/16	20181386	25.9	PS-6 1/2	20181465	69.0	WS-8 1/2	20181859	105.0
MS-5 1/2	20332977	25.9	PS-6 15/16	20181466	61.3			
NS-3 15/16	20181419	66.3	PS-7	20181468	60.4			

*Trademark of TB Wood's Incorporated.

FLAT IDLERS

Part No.	SAP No.	Wt.	Part No.	SAP No.	Wt.	Part No.	SAP No.	Wt.
6.0X2.0-SH - 62S	20466995	4.6	20X3.25-SF-20314S	20468409	43	11.0X6.38-SF-11638	20468452	28.7
7.0X2.0-SH - 72S	20468276	5.1	24X3.25-SF-24314S	20468420	50	12X6.38-SF-12638S	20468453	28.4
8.0X2.0-SH - 82S	20468295	5.7	4.0X4.25-SD-4414S	20468421	6.1	14.0X6.38-SF-14638	20468454	31.2
10.0X2.0-SH-102S	20468346	7.5	5.0X4.25-SD-5414S	20468422	8.9	16.0X6.38-SF-16638	20468455	41.3
9.0X2.0-SH - 92S	20468358	6.3	6.0X4.25-SD-6414S	20468423	8.4	18X6.38-SF-18638S	20468456	47.2
11.0X2.0-SH -112S	20468380	9	7.0X4.25-SD-7414S	20468424	9.8	20.0X6.38-SF-20638	20468457	57.5
12.0X2.0-SH-122S	20468381	11.1	8.0X4.25-SD-8414S	20468425	10.7	24.0X6.38-E-24638S	20468458	88.5
14.0X2.0-SDS-142S	20468382	14	9.0X4.25-SD-9414S	20468426	11.9	8.0X8.38-E - 8838S	20468459	32.4
16.0X2.0-SDS-162S	20468383	16.6	10.0X4.25-SD-10414	20468427	15.4	9.0X8.38-E - 9838S	20468460	33.8
4.0X2.75-SD-4234S	20468384	5.1	11.0X4.25-SD-11414	20468428	17.6	10.0X8.38-E-10838S	20468461	38.1
5.0X2.75-SD-5234S	20468385	7.7	12X4.25-SF-12414S	20468429	23	11.0X8.38-E-11838S	20468462	40.6
6.0X2.75-SD-6234S	20468386	7.9	14.0X4.25-SF-14414	20468430	28.5	12.0X8.38-E-12838S	20468463	39.7
7.0X2.75-SD-7234S	20468387	7.3	16.0X4.25-SF-16414	20468431	32.3	14.0X8.38-E-14838S	20468464	49.4
8.0X2.75-SD-8234S	20468388	8.4	18.0X4.25-SF-18414	20468432	39	16.0X8.38-E-16838S	20468465	60.8
9.0X2.75-SD-9234S	20468389	8.9	20X4.25-SF-20414S	20468433	43.4	18.0X8.38-E-18838S	20468466	69.3
10.0X2.75-SD-10234	20468390	12.1	24.0X4.25-SF-24414	20468434	65.2	20.0X8.38-E-20838S	20468467	75.6
11.0X2.75-SD-11234	20468391	14	6.0X5.25-SF-6514S	20468435	14	24.0X8.38-E-24838S	20468468	104.2
12X2.75-SD-12234S	20468392	16.5	7.0X5.25-SF-7514S	20468436	17.3	10X10.50-E-101012	20468469	45.8
14.0X2.75-SF-14234	20468393	22.5	8.0X5.25-SF-8514S	20468437	15.5	11X10.50-E-111012	20468470	53.8
16X2.75-SF-16234S	20468394	25.3	9.0X5.25-SF-9514S	20468438	19.3	12X10.50-E-121012	20468471	52.8
18.0X2.75-SF-18234	20468395	28.2	10X5.25-SF-10514S	20468439	19.2	14X10.50-E-141012	20468472	65.7
20.0X2.75-SF-20234	20468396	35.5	11.0X5.25-SF-11514	20468440	31.1	16X10.50-E-161012S	20468473	80
4.0X3.25-SD-4314S	20468397	5.4	12X5.25-SF-12514S	20468441	27.3	18X10.50-J-181012S	20468474	110.8
5.0X3.25-SD-5314S	20468398	6.5	14.0X5.25-SF-14514	20468442	36.3	20X10.50-J-201012	20468475	122.8
6.0X3.25-SD-6314S	20468399	7.2	16.0X5.25-SF-16514	20468443	38.3	24X10.50-J-241012S	20468476	152.5
7.0X3.25-SD-7314S	20468400	7.9	18X5.25-SF-18514S	20468444	42.6	12.0X12.50-J-12112	20468477	94.8
8.0X3.25-SD-8314S	20468401	9.8	20.0X5.25-SF-20514	20468445	51.5	14X12.50-J-141212	20468478	107.9
9.0X3.25-SD-9314S	20468402	10	24.0X5.25-E-24514S	20468446	69.6	16X12.50-J-161212	20468479	117.4
11.0X3.25-SD-11314	20468404	13.2	6.0X6.38-SF-6638S	20468447	15	18X12.50-J-181212	20468480	132
12X3.25-SD-12314S	20468405	17.4	7.0X6.38-SF-7638S	20468448	19.8	20X12.50-J-201212	20468481	151.1
14.0X3.25-SF-14314	20468406	25.4	8.0X6.38-SF-8638S	20468449	16.9	24X12.50-J-241212	20468482	175.5
16.0X3.25-SF-16314	20468407	37.9	9.0X6.38-SF-9638S	20468450	22.4			
18X3.25-SF-18314S	20468408	34	10.0X6.38-SF-10638	20468451	21			

NEOTHANE®



Part No: 5M 710
5M 5mm (3⁄16″) Top Width
710 710mm (27.95″) Outside Length

APPLICATIONS

Specialty belt for specific types of machines and equipment.

- Machine Tools
- Computer Industry
- Woodworking Machines
- Appliances
- Blowers
- Medical Industry

KEY FEATURES & BENEFITS

- Ribbed top for transverse rigidity, flexibility, and cool running conditions.
- Narrow top width for use on narrow, small diameter sheaves and exceptional flexibility on short centers.
- Cords are resistant to elongation or shrinkage, provide great strength and long flex life.
- Polyurethane compounding for firmer grip, greater strength, and high resistance to oil, heat, abrasion, ozone, and fatigue.
- Smooth machined sides for quiet running, vibration-free operation, and uniform grip.
- Sixty-degree angle cross section for uniform support that keeps the load carrying cord in the same plane pulling together.

A DIFFERENT APPROACH TO V-BELTS

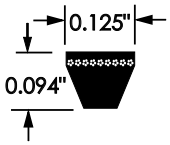
Neothane V-belts can provide a different approach to V-belt power transmission for appliances and light-duty machinery. The features of the belt will make it possible to gain competitive advantages in many areas of application.

SMOOTH OPERATOR

Smaller sheave diameters, higher speed ratios, shorter center distances, and higher speeds in belt power transmission applications are possible. Elimination of double reduction drives, made possible by the higher speed ratios permitted, result in decreased space requirements for many applications. The precision characteristics of this belt give a smoothness of operation that reduces noise to a minimum in the appurtenances of a drive.

THE LOW-MAINTENANCE V-BELT ALTERNATIVE

This belt is ideal for machines with long warranty periods. The outstanding characteristics make it virtually maintenance-free and therefore reduce service costs. Greater horsepower can be utilized by the designer with reasonable belt life. Or, for a given amount of power to be transmitted, belt life can be greater than ever before.



3M NOMINAL TOP WIDTH 1⁄8″

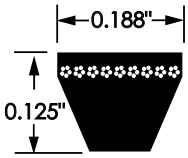
Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)
*3M180	7.09	*3M243	9.57	*3M335	13.19	*3M462	18.19	*3M630	24.80
*3M185	7.28	*3M250	9.84	*3M345	13.58	*3M475	18.70	*3M650	25.59
*3M190	7.48	*3M258	10.16	*3M355	13.98	*3M487	19.17	*3M670	26.38
*3M195	7.68	*3M265	10.43	*3M365	14.37	*3M500	19.69	*3M690	27.17
*3M200	7.87	*3M272	10.71	*3M375	14.76	*3M515	20.28	*3M710	27.95
*3M206	8.11	*3M280	11.02	*3M387	15.24	*3M530	20.87	*3M730	28.74
*3M212	8.35	*3M290	11.42	*3M400	15.75	*3M545	21.46	*3M750	29.53
*3M218	8.58	*3M300	11.81	*3M412	16.22	*3M560	22.05		
*3M224	8.82	*3M307	12.09	*3M425	16.73	*3M580	22.83		
*3M230	9.06	*3M315	12.40	*3M437	17.20	*3M600	23.62		
*3M236	9.29	*3M325	12.80	*3M450	17.72	*3M615	24.21		

*Nonstock: Please check factory for availability.

Contact your local Goodyear Engineered Products PTP industrial distributor or go to www.goodyearep.com/ptp to locate one.

GOODYEAR ENGINEERED PRODUCTS

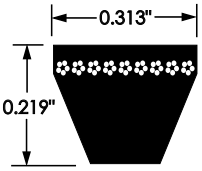
NEOTHANE®



5M NOMINAL TOP WIDTH 3/16″

Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)
5M280	11.02	5M412	16.22	5M600	23.62	5M875	34.45	*5M1250	49.21
5M290	11.42	5M425	16.73	5M615	24.21	5M900	35.43	*5M1280	50.39
5M300	11.81	5M437	17.2	5M630	24.80	5M925	36.42	*5M1320	51.97
5M307	12.09	5M450	17.72	5M650	25.59	5M950	37.40	*5M1360	53.54
5M315	12.40	5M462	18.19	5M670	26.38	5M975	38.39	*5M1400	55.12
5M325	12.80	5M475	18.70	5M690	27.17	5M1000	39.37	*5M1450	57.09
5M335	13.19	5M487	19.17	5M710	27.95	5M1030	40.55	*5M1500	59.06
5M345	13.58	5M500	19.69	5M730	28.74	5M1060	41.73	*5M1600	62.99
5M355	13.98	5M515	20.28	5M750	29.53	*5M1090	42.91	*5M1650	64.96
5M365	14.37	5M530	20.87	5M775	30.51	5M1120	44.09	*5M1850	72.83
5M375	14.76	5M545	21.46	5M800	31.50	5M1150	45.28		
5M387	15.24	5M560	22.05	5M825	32.48	5M1180	46.46		
5M400	15.75	5M580	22.83	5M850	33.46	5M1220	48.03		

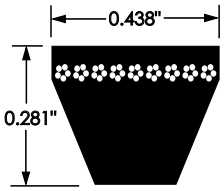
*Nonstock: Please check factory for availability.



7M NOMINAL TOP WIDTH 5/16″

Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)
7M500	19.69	7M690	27.17	7M950	37.40	7M1280	50.39	7M1800	70.87
*7M515	20.28	7M710	27.95	7M975	38.39	7M1320	51.97	7M1850	72.83
7M530	20.87	7M730	28.74	7M1000	39.37	7M1360	53.54	7M1900	74.80
*7M545	21.46	7M750	29.53	7M1030	40.55	7M1400	55.12	7M1950	76.77
7M560	22.05	7M775	30.51	7M1060	41.73	7M1450	57.09	7M2000	78.74
7M580	22.83	7M800	31.50	7M1090	42.91	7M1500	59.06	*7M2060	81.10
7M600	23.62	7M825	32.48	7M1120	44.09	7M1550	61.02	7M2120	83.46
7M615	24.21	7M850	33.46	7M1150	45.28	7M1600	62.99	7M2180	85.83
7M630	24.80	7M875	34.45	7M1180	46.46	7M1650	64.96	*7M2240	88.19
7M650	25.59	7M900	35.43	7M1220	48.03	7M1700	66.93	*7M2300	90.55
7M670	26.38	7M925	36.42	7M1250	49.21	7M1750	68.90		

*Nonstock: Please check factory for availability.

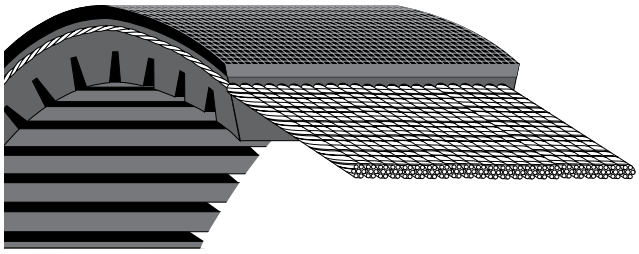


11M NOMINAL TOP WIDTH 7/16″

Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)	Part Number	Eff. Length (in)
11M710	27.95	11M925	36.42	11M1180	46.46	11M1550	61.02	11M2000	78.74
*11M730	28.74	11M950	37.40	11M1220	48.03	11M1600	62.99	11M2060	81.10
*11M750	29.53	11M975	38.39	11M1250	49.21	11M1650	64.96	11M2120	83.46
*11M775	30.51	11M1000	39.37	11M1280	50.39	11M1700	66.93	11M2180	85.83
11M800	31.50	11M1030	40.55	11M1320	51.97	*11M1750	68.90	11M2240	88.19
11M825	32.48	11M1060	41.73	11M1360	53.54	11M1800	70.87	11M2300	90.55
11M850	33.46	*11M1090	42.91	11M1400	55.12	*11M1850	72.83		
11M875	34.45	11M1120	44.09	11M1450	57.09	11M1900	74.80		
11M900	35.43	11M1150	45.28	11M1500	59.06	11M1950	76.77		

*Nonstock: Please check factory for availability.
Note: Rubber equivalents for 5M, 7M, and 11M sizes are available in mandrel minimums.

Variable Speed



Part No: 3226V585

32	32/16″ Top Width
26	Angle of Sheave Groove
V	Variable Speed Profile - With Flexten® Tensile Member
585	58.5″ Pitch Length
	Cut-Edge, Molded Cog Construction Shown

Applications

For use on variable speed sheave drives requiring exact speed control and maximum range of speed changes. Ideal for recreational equipment, agricultural applications, and machine tools.

- Exercise Equipment
- Medical Equipment
- Farm Equipment
- Automobiles
- Power Equipment
- Machine Tools

Key Features & Benefits

- Durable variable speed profile.
- Super strong Flexten tensile members.
- Fiber-reinforced, latest compounded technology compression section.
- High-horsepower capacity.
- Milled edge construction for superior dimensional stability.
- Oil, heat, ozone, and abrasion resistant.

Top Performance at Every Speed

Goodyear Engineered Products Variable Speed belts deliver the speed and horsepower the drives on your equipment were designed to achieve. Excellent transverse rigidity and exceptional flexibility prevent buckling at minimum diameter settings where belt stresses are greatest. Firm gripping action in the contact area provides positive traction for precise, immediate response. Together, they assure reliable, predictable transmission of maximum power over the drive's full operating range.

And top performance also means that you get longer life from Goodyear Engineered Products Variable Speed belts. That translates to less downtime for belt maintenance and more productivity from your equipment, which leads to greater operating economy by any measure.

Uniform Cross Section Means Less Drive Wear

The precision forming that goes into every one of our Variable Speed belt assures a completely uniform cross section. This allows even tracking and smooth running without any vibration problems. As a result, the life of the belt—as well as bearings, sheaves, and other drive components—is significantly extended. Longer wear is a great way to save money and increase productivity.

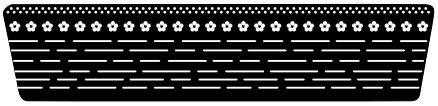
Exceptional Lengthwise Flexibility Allows for Small Pulleys

We build these belts thin with precise, uniform cogs on the underside for maximum lengthwise flexibility. They can be used on small pulley drives without any sacrifice of gripping action or cross rigidity. Cogging also minimizes bottom cracking, a major cause of premature failure.

True Dimensional Stability & Higher Horsepower Capability for Long Belt Life

Our Flexten tension cords get their muscle from a special tempering for maximum strength and resilience. This gives Goodyear Engineered Products Variable Speed belts the dimensional stability they need to carry more horsepower and to experience less elongation over the life of the belt. In short, these Variable Speed belts provide you with longer life on the toughest drives.

VARIABLE SPEED



CUT-EDGE CONSTRUCTION

Variable Speed Stock Part Numbers

1228V255

1422V235
1422V240
1422V270
1422V290
1422V300
1422V330
1422V340
1422V360
1422V400
1422V420
1422V440
1422V460
1422V466
1422V470
1422V480
1422V540
1422V600
1422V660
1422V720
1422V780

1430V215
1430V315
1430V450
1430V500

1622V270
1622V336

1626V262
1626V290
1626V293
1626V304
1626V330
1626V339
1626V380
1626V384
1626V395
1626V411
1626V428
1626V440
1626V455
1626V513
1626V517
1626V597
1626V604
1626V658
1626V700

1628V210
1628V315

1632V210

1822V328

1828V368

1922V256
1922V277
1922V282
1922V298
1922V302
1922V321
1922V332
1922V338
1922V363
1922V381
1922V386
1922V403
1922V417
1922V426
1922V443
1922V454
1922V460
1922V484
1922V526
1922V544
1922V604
1922V630
1922V646
1922V666
1922V686
1922V706
1922V721
1922V726
1922V751
1922V756
1922V806
1922V846
1922V891
1922V966
1922V1146

1926V250
1926V275
1926V407
1926V427

1930V366
1930V400
1930V425
1930V431
1930V450
1930V491
1930V500
1930V541
1930V560
1930V591
1930V600
1930V641
1930V691
1930V750
1930V991
1930V1091

2026V422
2026V445
2026V607

2126V309
2126V365

2226V307

2230V266
2230V273
2230V275
2230V285
2230V326
2230V375

2322V329
2322V347
2322V364
2322V384
2322V396
2322V421
2322V434
2322V441
2322V461
2322V481
2322V521
2322V541
2322V601
2322V621
2322V661
2322V681
2322V701
2322V721
2322V801
2322V826
2322V846
2322V886
2322V921
2322V1001
2322V1061
2322V1271
2326V310
2326V359

2330V273
2330V338

2426V343

2430V297
2430V302
2430V319
2430V345
2430V379

2436V331

2526V314
2530V300

2530V335
2530V490
2530V500
2530V530
2530V550
2530V575
2530V595
2530V600
2530V610
2530V630
2530V660
2530V670
2530V690
2530V700
2530V730
2530V750
2530V790
2530V840
2530V850
2530V890
2530V934
2530V990
2530V1090

2626V369
2626V388

2630V345
2630V395

2636V332

2822V778

2826V452

2830V337
2830V363
2830V366
2830V367
2830V393
2830V396
2830V422
2830V428

2836V343
2836V350
2836V380
2926V366
2926V400
2926V426
2926V471
2926V477
2926V486
2926V491
2926V521
2926V534
2926V546
2926V574
2926V586

2926V606
2926V616
2926V636
2926V646
2926V666
2926V686
2926V706
2926V726
2926V776
2926V786
2926V834
2926V856
2926V891
2926V906
2926V921
2926V966
2926V1006
2926V1026
2926V1086
2926V1106
2926V1146

2930V348
2930V420

3226V392
3226V395
3226V400
3226V433
3226V439
3226V450
3226V465
3226V505
3226V514
3226V545
3226V585
3226V603
3226V650
3226V663
3226V723
3226V783
3226V843
3226V903
3226V963
3226V1023
3226V1083

3230V419
3230V481
3230V600
3230V621
3230V630
3230V670
3230V710
3230V750
3230V771
3230V800
3230V850
3230V900

3230V1120
3230V1180

3230HV528
3230HV546
3230HV553
3230HV570
3230HV585
3230HV603
3230HV613
3230HV620
3230HV626
3230HV644
3230HV685
3230HV702
3230HV723
3230HV821
3230HV856
3230HV931
3230HV960
3230HV1060

3236V369
3236V389
3236V432

3430V424
3430V476
3430V493

3432V450
3432V456
3432V480
3432V484
3432V528
3432V534

3630V455

3726V558

3826V465

3830V510
3830V517
3830V580
3830V587

3836V418
3836V426
3836V654
3836V794

4030V590

4036V541
4036V574
4230V556
4230V605
4230V653

4430V510

4430V530
4430V548
4430V555
4430V560
4430V570
4430V578
4430V600
4430V610
4430V630
4430V652
4430V660
4430V670
4430V690
4430V700
4430V710
4430V718
4430V730
4430V740
4430V750
4430V760
4430V780
4430V790
4430V800
4430V850
4430V900
4430V910
4430V930
4430V950
4430V970
4430V1000
4430V1030
4430V1060
4430V1090
4430V1120
4430V1150
4430V1180
4430V1250
4430V1320
4430V1410
4430V1460
4430V1610

4436V525
4436V551
4436V646

4630V650
4630V663
4630V733

4636V613

4830V602
4830V653
4830V699
4830V730
4830V750

4830V850
4830V970
4830V1070

4836V618
4836V655
4836V670
4836V710
4836V800
4836V850
4836V900
4836V950
4836V1000
4836V1060
4836V1120
4836V1180
4836V1250

5130V732
5130V787

5228V930

5230V662
5230V734
5230V867

5636V774

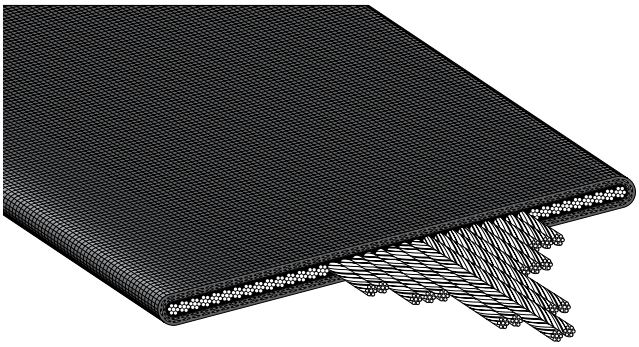
5830V756

5836V737

6236V607
6236V725
6236V762

Metric and asymmetric sizes available in minimum quantities.

FLAT BELTING (TRULY ENDLESS)



Part No: Compass "L" Flat Belt

TRULY ENDLESS COMPASS® SYNTHETIC CORD BELTS

These belts are extremely flexible and exceptionally long-lasting, even when operating over small pulleys. They are made in four different weights to meet any service requirement.

Goodyear Engineered Products Compass Cord transmission belts are made with a single-layer, reinforcing section for a cross section which is thinner by 25% or more compared to plied belts of equal horsepower capacity. The high-tensile strength, multistrand synthetic cords used in Compass Cord belts provide maximum strength and minimum elongation.

Compass belts are furnished in an abrasion-resistant rubber construction. They can be made with oil-resisting synthetic rubber compounds on special order in widths from 1″ to 36″ and lengths from 25′ to 135′.

TRULY ENDLESS COMPASS 250 & 450 STEEL CABLE BELTS

These Compass Belts are constructed with steel cable for heavy-duty drives. These belts include the features of Compass Cord belts with the added advantage that the load-carrying members are very finely stranded steel cables instead of synthetic rope cords. All Compass 250 and 450 belts are made with oil-resisting compounds throughout, which gives them greatly increased life under operating conditions where oil is present.

They generally handle much higher horsepower loads than any conventional fabric or cord construction belt, are extremely flexible, and readily conform to small pulleys.

APPLICATIONS

Handles a wide range of horsepower and speeds in both industrial and agricultural drives.

- Harvesting Equipment
- Textiles and Forestry
- Hay Equipment
- Industrial Equipment
- Direct Gear Drive Replacement
- Soil Handling
- Food Processing
- Chain Replacement
- Health and Fitness
- Material Handling

KEY FEATURES & BENEFITS

- Smooth, quiet operation and long belt life.
- Uniform belt surface with no splicing.
- High-tensile strength.
- High coefficient of friction.
- Lightweight.
- No lubrication necessary.
- Transverse rigidity.

We manufacture a complete line of flat belting from Truly Endless Compass and Multiple Ply belts to Regulator Power Strap flat belts for the health and fitness industry.

TRULY ENDLESS MULTIPLE PLY BELTS

The Multiple Ply belt is another product in the Truly Endless line. The round-and-round fabric construction can be split into multiple belts from one slab, representing great cost savings.

Various carcass materials are available for Multiple Ply belts, depending on the application. The most highly recommended are polyester/nylon, cotton, nylon, polyester, etc. These belts can be supplied with rubber covers, friction surface, or bareback. We can supply V-guides, banner edges, cleats, drive lugs, and rough top surfaces.

FLAT BELTING (TRULY ENDLESS)

Per Foot	Thickness	Cord
Compass® L (Drum Cured)	8/64	Rayon
Compass L (Press Cured)	15/64	Rayon
Compass M (2″ to 9″ wide incl) (1 x 2 env)	16/64	Rayon
Compass M (10″ to 28″ wide incl) (2 x 3 env)	24/64	Rayon
Compass C	25/64	Polyester
Compass H	29/64	Polyester
Compass 250 (4″ to 36″)	11/64	Steel
Compass 250 (4″ to 36″)	15/64	Steel
Compass 250 (10″ & over)	19/64	Steel
Compass 450 (to 10″)	17/64	Steel
Compass 450 Steel (10″ & over)	21/64	Steel

Other Useful Compass Endless Belt Information:

Drum Cured	Min. Width	Max. Width	Min. Length	Max. Length
Compass L	1″	10″	24½″	120″
Compass M	2″	28″	24½″	169⅝″

Press Cured	Min. Width	Max. Width	Min. Length	Max. Length
Compass M	2″	36″	120″	135′
Compass C	4″	36″	120″	135′
Compass H	4″	36″	120″	135′
*Compass 250 Steel	4″	36″	120″	135′
Compass 450 Steel	10″	36″	120″	135′

Press Cured belts 30″ to 34″ wide require a minimum length of 14′ (168″).
Press Cured belts above 36″ wide require a minimum length of 17′ (204″).

*Compass 250 Steel belts under 120″ maximum width of 18″, over 120″ limitations do not apply (up to 38″).

NOTE: Belting made by continuous build endless method has a length tolerance of plus or minus 1%.

Truly Endless Belts
Available Drum Sizes

Drum Built Belts are made only in raw-edge construction in lengths shown below.
Lengths other than shown below are available with procurement of tooling. Contact Customer Service for availability.

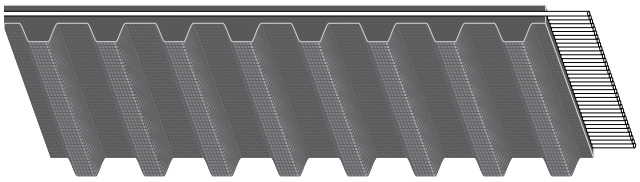
DRUM SIZES			
10 3/8	43 3/4	68	99 1/4
12	44 1/8	68 1/2	101
13 7/8	46 1/4	68 5/8	101 1/2
15 3/4	46 1/2	69	102 1/2
24 1/2	47 3/16	69 5/8	103
25 1/2	47 3/8	70	103 1/2
26 1/2	47 5/8	71	104 1/2
27 3/8	48 1/4	71 1/2	105
27 7/8	48 3/8	72	108 1/2
28 11/16	49 1/4	74	109 3/4
29 1/8	49 5/8	74 3/4	111 3/16
30 3/16	49 11/16	76 1/2	112 1/2
30 13/16	50	78	113 1/2
31 1/2	50 3/16	79	114 1/4
32 1/8	51 1/8	79 1/2	115
32 1/4	51 5/8	80	115 1/4
32 5/8	52	80 1/4	116 1/2
33	52 5/16	81	117 3/4
33 11/16	52 1/2	82 1/4	120
34 1/4	53 3/8	82 3/4	121 1/2
34 9/16	54	84	125
35 1/8	54 1/8	85	126
35 1/2	55	86	128
35 13/16	56	86 1/2	130 11/16
36	56 3/8	88	135 3/4
36 1/2	58	89	138 7/8
37	58 1/2	89 1/2	141
37 5/8	58 5/8	90 1/8	143 3/4
37 3/4	59	91	145
38	60	92	147 3/4
38 5/8	61 1/2	92 1/2	151 1/4
40	62	92 3/4	154
40 1/2	63	93 1/2	156
40 3/4	63 1/2	94	157
41 1/4	64 1/8	94 1/4	159 1/2
41 5/8	65	95	162
41 7/8	66	96	162 1/2
42 5/8	66 1/8	96 1/2	163
43 1/2	67	98	168 5/8

Bowling Machine

AMF Part Number	Goodyear Engineered Products Part Number	AMF Part Number	Goodyear Engineered Products Part Number	AMF Part Number	Goodyear Engineered Products Part Number
000-022-099	A112	030-005-453	8520	146-004-775	5M925
000-025-731	8350	030-008-671	A133	208-111-174	3L450
000-026-753	CARPET	030-008-792	A133	070-011-064	3L450
000-027-710	2L360	070-001-424	2L360	070-011-147	3L380
000-028-864	8690	070-002-005	B190	070-011-148	3L400
000-028-865	8695	82-70-2013	8685	234-001-147	8595
000-029-600	8640	000-029-433	3L360	702-504-012	A68
030-003-912	A133	057-001-003	4L410	702-504-013	A34
030-005-197	B128	146-004-772	5M1850		

Brunswick Part Number	Goodyear Engineered Products Part Number	Brunswick Part Number	Goodyear Engineered Products Part Number	Brunswick Part Number	Goodyear Engineered Products Part Number
10-635112	8555	12-300082-3	8625	12-400329	A77
10-635126	8505	12-400034-2	A75	12-200947	8560
10-635303	A90	12-400034-3	A105	116-31-290	3L310
10-635304	A64	12-400034-4	A120	10-635317	AX90
10-635308	4L335	12-400034-5	B195	53-530230-2	8420
10-635309	A80	12-400223	8615	53-520148-2	8430
10-635314	4L350	12-400227	B205		
12-150113	8620	12-400314	AX112		

Cotton Cleaner



Part No: 64 CCB
64 64″ Pitch Length
CCB 1″ Pitch

Applications

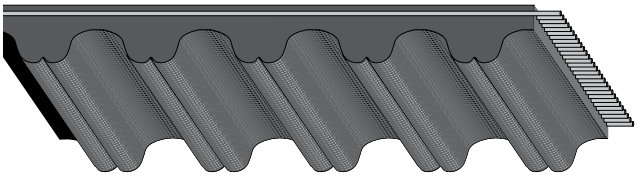
Synchronous belts specially designed for driving the cylinders on Cotton Gin Incline cleaner machines.

Key Features & Benefits

- Steel tensile cords.
- Long service life in harsh environments.

Size	Pitch Length	No. of Teeth
61CCB142	61.0″	61
63CCB165	63.0″	63
64CCB170	64.0″	64
65CCB175	65.0″	65

AXIAL FAN PD® BELTS



Part No: 3150 14M 55\FFAN
- 3150 — 3150mm Pitch Length
- 14 — 14mm Pitch
- 55 — 55mm Wide
- \FFAN — Special Fin Fan® Construction

APPLICATIONS

Specific application power transmission synchronous belts used primarily in the chemical, petroleum, and refining industries.

KEY FEATURES & BENEFITS

- Special Fin Fan construction.
- Universal tooth profile drops into existing HTD sprockets.
- Quiet tooth engagement.
- High-grade engineered rubber compound.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- Oil, heat, ozone, and abrasion resistance.
- Low-maintenance/high-efficiency rating.

Part No.	SAP No.	No. of Teeth	Part No.	SAP No.	No. of Teeth
3150 14M 55\FFAN	20081711	225	3500 14M 85\FFAN	20081964	250
3150 14M 85\FFAN	20081712	225	3850 14M 55\FFAN	20082161	275
3360 14M 55\FFAN	20081835	240	3850 14M 85\FFAN	20082162	275
3360 14M 85\FFAN	20081836	240			
3500 14M 55\FFAN	20081963	250			

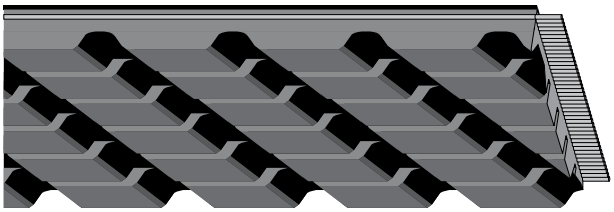
Specific application power transmission synchronous belts used primarily in the chemical, petroleum and refining industries. Fin Fan is a registered trademark of the Hudson Products Company.

AXIAL FAN PD® SPROCKETS

Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*	Part No.	SAP No.	Wt.*
F168-14M-40-E	20182173	88.0	F192-14M-40-E	20182176	102.0	F216-14M-40-E	20182179	136.0
F168-14M-55-E	20182174	94.0	F192-14M-55-E	20182177	110.0	F216-14M-55-E	20182180	145.0
F168-14M-85-E	20182175	108.0	F192-14M-85-E	20182178	130.0	F216-14M-85-E	20182181	161.0

*Weight does not include bushing.

GATORBACK® POLY-V® BELT

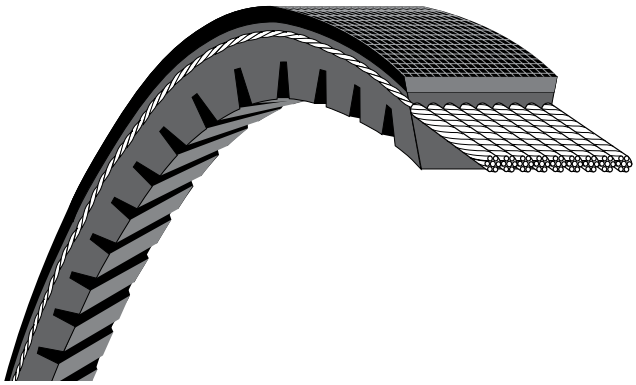


Part No: 4061025
- 4 K Section Poly-V
- 06 6 Ribs
- 1025 102 5/10 Length

APPLICATIONS
For passenger cars and light- and heavy-duty trucks.

KEY FEATURES & BENEFITS
- Specially treated tension members to maintain tension and resist elongation on both locked center drives and spring tension systems.
- Fiber-reinforced rubber helical cogged ribs offer maximum cord support and wear resistance for unsurpassed performance in high horsepower applications.
- The backing is tough, coated fabric material impregnated with premium rubber for heat and oil resistance to provide high coefficient of friction needed to drive flat pulleys.
- Unique helical cog design runs quieter than standard cogged belts.

GATORBACK V-BELT



Part No: 15456
- 15 15/32″ Top Width
- 456 456/8″ Outside Length

APPLICATIONS
For passenger cars and light- and heavy-duty trucks.

KEY FEATURES & BENEFITS
- High-strength Vytacord® tension members resist shockload failure. Low-elongation properties assure uniform performance over the long life of the belt.
- Fiber-reinforced rubber helical cogs offer greater flexibility which reduces cracking and fatigue in the cushion member.
- Tension fabric impregnated with engineered oil-resistant rubber reduces surface fatigue and resists cracking.
- Rubber edges maintain positive, no-slip contact with pulley grooves for reliable energy transfer.

To learn more visit www.goodyearep.com/ptp.

GOODYEAR ENGINEERED PRODUCTS

Timing Belt

Part No: 40138
40 Automotive Timing Belt
138 Industry Standard Description

Applications

Goodyear Engineered Products Timing belts are designed to deliver precise timing over a long service life in demanding automotive cam applications.

Key Features & Benefits

- Precision-molded teeth made of synthetic polymers provide high strength, shear resistance, and environmental resistance to assure long, dependable life.
- Specially woven and chemically treated fabric is impregnated with our high-grade rubber polymers to reduce pulley friction and provide outstanding resistance to abrasion, oil, and ozone.
- Special fiberglass tension members are dimensionally stable and high in strength, starting out precise and dependable and staying that way.
- Durable polymer backing protects the load-carrying cords from oil, abrasion, and ozone. It also keeps the cords in place so they pull together smoothly and evenly.

Truck Refrigeration Belt

Part No: 41047

Applications

Main drive belts for truck refrigeration units, especially designed for long life on mule drives and backside idler drives. Accessory drives are also found in the refrigeration units and are driven by Hex belts, Torque-Flex® belts, and Insta-Power® belts.

Key Features & Benefits

- Premium rubber-impregnated fabric resists oil, heat, and wear.
- High-strength Vytacord® tension members improve flex life, eliminate excess elongation, and increase resistance to shock loads.
- Cushion section is made of premium rubber to resist heat and wear.

Note: For an application guide and available sizes of Gatorback® V-belts, Poly-V® belts, Truck Refrigeration belts, Special Truck belts, and Timing belts, ask your distributor for the following catalogs:

Catalog Description	Part Number	Catalog Description	Part Number
Car & Light Truck Application Guide (Current to 1994)	20035740	Medium to Heavy Duty Truck Application Guide (Current to 1990)	20049138
Car & Light Truck Application Guide (1993 & Prior)	20049146	Medium to Heavy Duty Truck Application Guide (1989 & Prior)	20108695

BELT SIZE INFORMATION

HY-T® CLASSICAL V-BELTS/TORQUE-FLEX®

Section	Nominal Top Width	How to Obtain Effective Outside Length Up To 210″	How to Obtain Effective Outside Length Over 210″
A, AX	½″ (.500)	Add 2.1″ to Part Number Ex: A20 = 22.1″	Add 2.1″ to Part Number Ex: A220 = 22.1″
B, BX	21/32″ (.656)	Add 2.9″ to Part Number Ex: B100 = 102.9″	Add 1.4″ to Part Number Ex: B240 = 241.4″
C, CX	⅞″ (.875)	Add 4.2″ to Part Number Ex: C100 = 104.2″	Add 2.2″ to Part Number Ex: C240 = 242.7″
D, DX	1¼″ (1.250)	Add 5.2″ to Part Number Ex: D180 = 185.2″	Add 2.7″ to Part Number Ex: D240 = 242.7″
E	1½″ (1.500)	Add 7.0″ to Part Number Ex: E180 = 187.0″	Add 3.5″ to Part Number Ex: E360 = 363.5″

HY-T® WEDGE/WEDGE TLP™

Section	Nominal Top Width	Lengths
3V, 3VX, 3VT	⅜″ (.375)	Belt Number indicates nominal
5V, 5VX, 5VT	⅝″ (.625)	Outside Length
8V, 8VT	1″ (1.000)	Example: 3VX475 = 47.5″

FHP

Section	Nominal Top Width	Lengths
2L	¼″ (.250)	Belt Number indicates nominal
3L	⅜″ (.375)	Outside Length
4L	½″ (.500)	
5L	21/32″ (.656)	Example: 4L400 = 40.0″

POSITIVE DRIVE

Pitch	Distance from center of one tooth to center of next MXL = .080″ XL = .200″ L = .375″ H = .500″ XH = .875″ XXH = 1.250″
Width	Last digits of belt number are the width in inches and tenths Example: 240XL025 = ¼″ width
Length	First digits of belt number are the pitch length in inches and tenths Example: 240XL025 = 24.0″ Pitch length

POLY-V®

Section	Width per Rib	Thickness	Length
J	.092	.16	First digits are pitch length in inches and tenths
L	.185	.38	Example: 180J4 = 18.0″
M	.370	.66	J = Poly-V cross section 4 = number of ribs

VARIABLE SPEED

Top Width	First two digits of belt number indicate belt top width in sixteenths of an inch Example: 3226V585 = 32/16″ or 2″ top width
Angle	Second two digits of belt number indicate the pulley angle Example: 3226V585 fits a 26°-angle pulley
Length	Last digits of belt number are the pitch length Example: 3226V585 = 58.5″ pitch length

TECHNICAL INFORMATION

SPROCKET INSTALLATION

Follow all safety policies and requirements of federal, state, and local authorities, as well as the regulation of the employer, when working on power equipment. Always lock out the power source to the machinery before performing any work.

PREPARATION

OBJECTIVE: Verify that all necessary tools and parts are available and ready for installation.

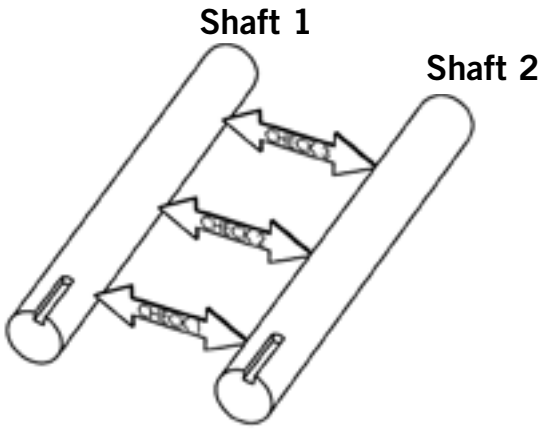
1. Eagle NRG™ belts and sprockets are identified with a unique Color Spectrum System. The seven colors used for identification are Yellow, White, Purple, Blue, Green, Orange, and Red. Each color represents a different size so that Blue belts are made to operate with Blue sprockets. Make sure the same color belt and sprockets have been obtained. When installing Falcon HTC®, Hawk Pd® and Blackhawk Pd®, it is also important that the correct sprocket width is used.
2. The following tools are recommended for proper belt and sprocket installation.
   - Straightedge
   - Socket and open-end wrenches
   - Torque wrench
   - Belt tension gauge
   - Laser Alignment
   - Tape measure
   - File and sandpaper
   - Clean cloth
   - Deflection force values for tensioning the belt
3. Make sure the components are ready for installation. Clean all shafts, removing any nicks or burrs. Clean all mating surfaces of the sprocket, bushing, and shaft. No lubrication or anti-sieze solution should be used on any of these surfaces, including threaded holes. Use of lubrication can create higher torque, which will cause premature failure.
4. Make sure the shafts are true and parallel by accurately measuring the distance between the shafts at three points along the shaft. The distance between the shafts should be the same at all three points as shown. Also make sure the shafts are rigidly mounted. Shafts should not deflect when the belt is tensioned.

See pages 129 – 130 for tools offered and how to order.

SPROCKET & BUSHING INSTALLATION

OBJECTIVE: Align the sprockets and secure them to the shafts.

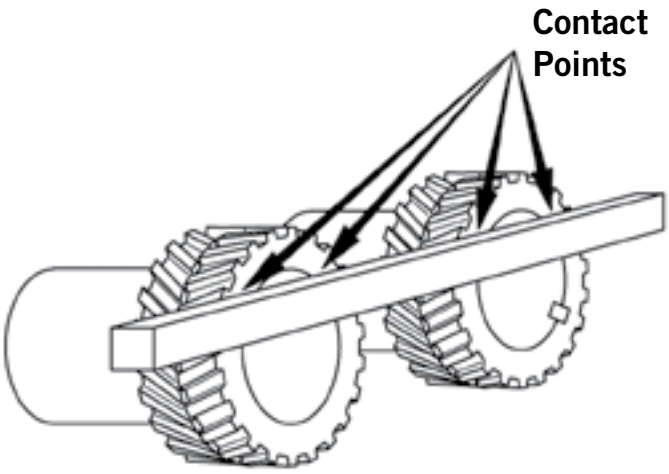
1. For conventional mounting, insert bushing into the sprocket, aligning the tapped holes in the bushing flange with the drilled holes in the sprocket hub.
2. Insert capscrews through the drilled holes and into the tapped holes.
3. Insert the key into the keyseat of the shaft.



TECHNICAL INFORMATION

4. With capscrews to the outside, place the sprocket and bushing assembly on the shaft, positioning the assembly with the bushing flange towards the shaft bearings. Reverse mounting the "Quick Detachable" (QD) bushing can be advantageous for some applications.
5. Repeat Steps 1 – 4 for the other sprocket.
6. Check that the teeth of both sprockets are pointing in the same direction when installing Eagle NRG™ sprockets.
7. Snug the capscrews so that the sprocket/bushing assembly can still move on the shaft.
8. Align the sprockets using a straightedge. Check for contact in four places as shown. Do not use bearings or drive shafts as reference points for sprocket alignment. Goodyear Engineered Products Laser Alignment Tool provides an alternative method for checking alignment.
9. Using a torque wrench, tighten the capscrews to the torque values listed below. If there is not a gap of 1/8" to ¼" between the bushing flange and the sprocket hub then disassemble the parts and determine the reason for the faulty assembly.
10. The sprocket will draw onto the bushing during tightening. Always recheck alignment after tightening the capscrews. If alignment has changed, return to Step 7.
11. Tighten the setscrews over the keyway to the torque values listed in the table to the right.
12. If the sprockets are straight bore, use the above alignment procedure and then tighten the setscrews to the correct torque for the setscrew size listed in the Torque Specifications table.

QD bushings can be installed with the capscrews on either side, excluding H, M, and N sizes. Drives with opposing shafts require one of the sprockets be mounted with the capscrews on the flange side and one with the capscrews on the hub side.



Torque Specifications

Bushing	Capscrew Torque		Setscrew Torque	Setscrew Size
	(in-lb)	(ft-lb)	(in-lb)	(in)
H	108	9	–	–
SH	108	9	87	1/4
SDS	108	9	87	1/4
SK	180	15	87	1/4
SF	360	30	166	5/16
E	720	60	290	3/8
F	900	75	290	3/8
J	1620	135	290	3/8
M	2700	225	290	3/8
N	3600	300	620	1/2

TECHNICAL INFORMATION

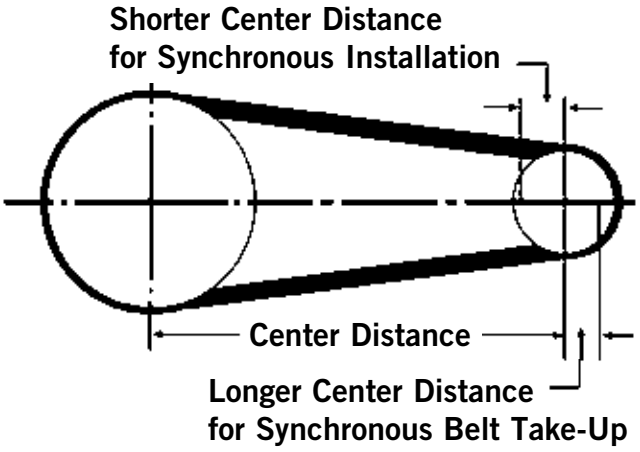
BELT INSTALLATION & TENSIONING

OBJECTIVE:

Goodyear Engineered Products Synchronous timing belts must be installed and tensioned properly to ensure optimum performance. Sprocket alignment must be preserved while tensioning the drive.

Before beginning, inspect the belt for damage and verify that the sprockets are properly mounted. Refer to sprocket and bushing manufacturer installation procedure. Belts should never be crimped or bent to a diameter less than the minimum sprocket diameter, approximately 2.5 inches for 8mm belts and 5 inches for 14mm belts.

1. Shorten the center distance or release the tensioning idler to install the belt. Do not pry the belt onto the sprocket. Refer to the following Center Distance Allowance tables for required center distance adjustment.



Apply the following center distance allowances for the Hawk Pd® and Falcon HTC®. A center distance adjustment, or decrease in center distance, is necessary to install a belt. In addition, an increase in center distance will be necessary for proper tensioning. If you install a belt together with sprockets, allow the following decrease in center distance for installation and an increase in center distance for tensioning.

Pitch Length Range (mm)	Allowance (Decrease) for Installation 8M, 14M Belts (mm/in)	Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in)
Less than 1525	2.5/0.1	2.5/0.1
1525-3050	5.0/0.2	5.0/0.2
Greater than 3050	7.5/0.3	7.5/0.3

If you install a belt over one flanged sprocket and one unflanged sprocket with the sprockets already installed on the drive, allow the following decrease in center distance for installation and increase in center distance for tensioning.

Pitch Length Range (mm)	Allowance (Decrease) for Installation 8M Belts (mm/in)	14M Belts (mm/in)	Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in)
Less than 1525	22.5/0.9	36.5/1.4	2.5/0.1
1525 –3050	25.0/1.0	39.0/1.5	5.0/0.2
Greater than 3050	27.5/1.1	41.5/1.6	7.5/0.3

If you install the belt over two flanged sprockets that are already installed on the drive, allow the following decrease in center distance for installation and increase in center distance for tensioning.

Pitch Length Range (mm)	Allowance (Decrease) for Installation 8M Belts (mm/in)	14M Belts (mm/in)	Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in)
Less than 1525	34.5/1.4	59.2/2.3	2.5/0.1
1525-3050	37.0/1.5	62.0/2.4	5.0/0.2
Greater than 3050	39.5/1.6	64.5/2.5	7.5/0.3

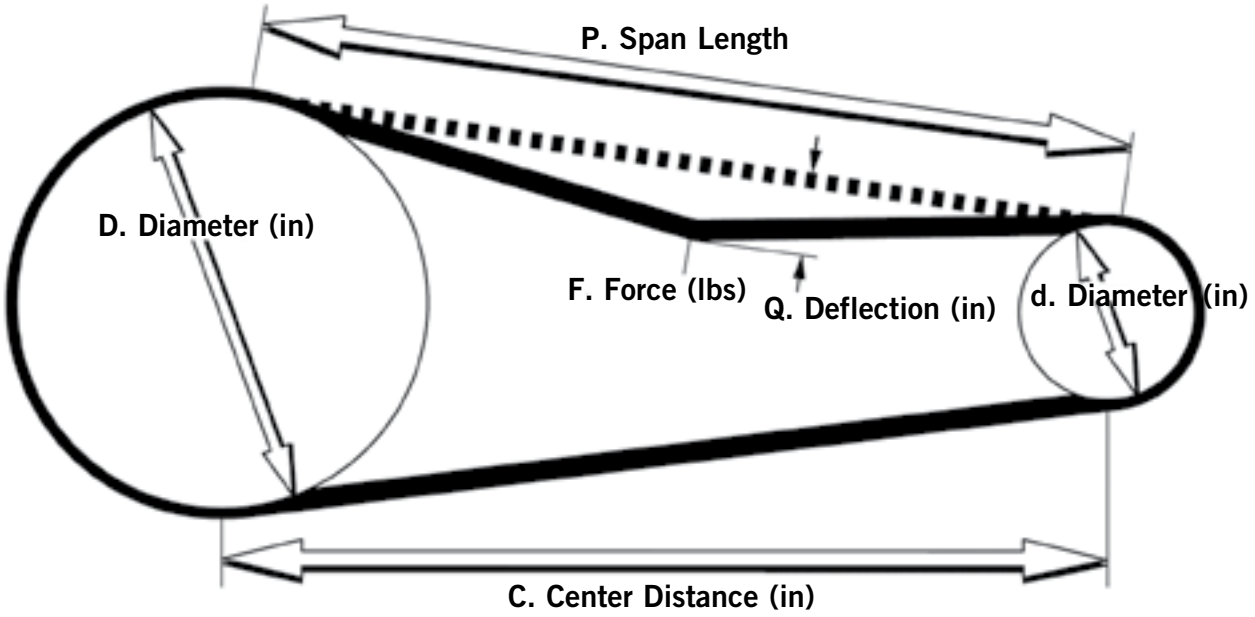
Consider the following center distance allowances when installing Eagle NRG™ sprockets. Since flanges are not necessary on Eagle NRG drives, only one table of center distance allowances is provided.

Pitch Length Range (mm)	Allowance (Decrease) for Installation 8M Belts (mm/in)	14M Belts (mm/in)	Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in)
Less than 1525	10.1/0.4	15.2/0.6	2.5/0.1
Greater than 1525	15.2/0.6	17.8/0.7	5.0/0.2

2. Place the belt on each sprocket and ensure proper engagement between the sprocket and belt teeth.
3. Lengthen the center distance or adjust the tensioning idler to remove any belt slack.
4. Using a tape measure, measure the span length of the drive. Refer to dimension "P" in the diagram below. The span length can be calculated using the below formula.

TECHNICAL INFORMATION

5. Place a straightedge or reference line across the top of the belt.
6. Determine the proper deflection force to tension the belt. Deflection forces are given in the following tables. Deflection forces are also given on the output of the MaximizerPro™ computer drive analysis.
   a) If using a tension gauge, the deflection scale is calibrated in inches of span length. Check the force required to deflect the belt the proper amount. There is an O-ring to help record the force. If the measured force is less than the required deflection force, lengthen the center distance. If the measured force is greater than the required deflection force, shorten the center distance. See chart on page 119 for deflection values and tension gauges available.
   b) If using other means to apply force to the belt, adjust the center distance so that the belt is deflected 1/64 per inch of span length when the proper force is applied. See chart on page 119 regarding TensionRite® Belt Frequency Meter which calculates belt tension by measuring span vibrations.
7. After the belt is properly tensioned, lock down the center distance adjustments and recheck the sprocket alignment.
8. If possible, run the drive for approximately 5 minutes with or without load. Stop the drive and lock out the power source and examine alignment, capscrew torque and belt tension. Adjust the center distance to increase the belt tension to the "New" value in the Table on page 86. Lock down the drive adjustments and recheck tension.
9. Recheck the belt tension, alignment, and capscrew torque after eight hours of operation to ensure the drive has not shifted.



F = Deflection Force
q = Deflection, 1/64″ per inch of span length
C = Center Distance
D = Large Sprocket Pitch Diameter
d = Small Sprocket Pitch Diameter
P = Span Length

$$P = \sqrt{C^2 - \left(\frac{D-d}{2}\right)^2}$$

TECHNICAL INFORMATION

DEFLECTION FORCES FOR BELT TENSIONING (LBS)

Deflection Forces for Belt Tensioning (lbs.)

Belt Type		0-100 RPM		101-1000 RPM		1000-up RPM	
		NEW BELT	USED BELT	NEW BELT	USED BELT	NEW BELT	USED BELT
Eagle NRG™	Yellow	15	11	12	8	9	7
	White	30	21	24	17	19	13
	Purple	60	43	47	34	38	27
	Blue	54	38	44	31	38	27
	Green	80	57	66	47	57	41
	Orange	107	76	88	63	76	55
	Red	161	115	131	94	115	82
Falcon HTC®	8GTR 12	24	17	14	10	9	7
	8GTR 21	42	30	25	18	16	12
	8GTR 36	72	51	42	30	27	21
	8GTR 62	124	88	72	52	47	36
	14GTR 20	38	29	31	23	28	21
	14GTR 37	70	54	57	43	52	39
	14GTR 68	129	99	105	78	95	71
	14GTR 90	171	131	140	104	126	95
	14GTR 125	238	181	194	144	175	131
Blackhawk Pd®	8MBH 12	12	9	9	7	7	5
	8MBH 22	23	17	16	12	13	10
	8MBH 35	36	26	26	19	21	16
	8MBH 60	62	45	45	33	36	27
	14MBH 20	36	26	27	20	23	17
	14MBH 42	76	55	57	42	49	36
	14MBH 65	117	85	89	65	76	55
	14MBH 90	162	118	123	90	105	77
	14MBH 120	217	157	164	119	139	102
Hawk Pd®	8M 20	15	11	13	10	12	9
	8M 30	23	17	20	15	19	14
	8M 50	39	29	35	26	32	24
	8M 85	69	50	61	45	56	41
	14M 40	47	34	38	28	32	24
	14M 55	70	51	56	41	48	35
	14M 85	116	84	93	68	79	58
	14M 115	162	118	130	95	110	80
	14M 170	249	181	201	146	171	125

PART NUMBER

TensionRite Small Tension Tester (PN 20044882)

APPLICATION

≤ 30 lbs Deflection Force

PART NUMBER

TensionRite Large Tension Tester (PN 20039447)

APPLICATION

≥ 200 lbs Deflection Force

BELT STRAND TENSION (LBS)

Belt Strand Tension (lbs.)

Belt Type		0-100 RPM		101-1000 RPM		1000-up RPM		Belt Weight (kg/m)
		NEW BELT	USED BELT	NEW BELT	USED BELT	NEW BELT	USED BELT	
Eagle NRG™	Yellow	224	160	176	112	128	96	0.071
	White	449	305	353	241	273	177	0.142
	Purple	897	625	689	481	545	369	0.283
	Blue	817	561	657	449	561	385	0.254
	Green	1210	842	986	682	842	586	0.380
	Orange	1618	1122	1314	914	1122	786	0.507
	Red	2436	1700	1956	1364	1700	1172	0.761
Falcon HTC®	8GTR 12	370	258	210	146	130	98	0.064
	8GTR 21	648	456	376	264	232	168	0.112
	8GTR 36	1111	775	631	439	391	295	0.192
	8GTR 62	1913	1337	1081	761	681	505	0.330
	14GTR 20	571	427	459	331	411	299	0.163
	14GTR 37	1052	796	844	620	764	556	0.301
	14GTR 68	1939	1459	1555	1123	1395	1011	0.550
	14GTR 90	2570	1930	2074	1498	1850	1354	0.738
	14GTR 125	3578	2666	2874	2074	2570	1866	1.023
Blackhawk Pd®	8MBH 12	179	131	131	99	99	67	0.045
	8MBH 22	345	249	233	169	185	137	0.069
	8MBH 35	539	379	379	267	299	219	0.159
	8MBH 60	928	656	656	464	512	368	0.226
	14MBH 20	553	393	409	297	345	249	0.164
	14MBH 42	1167	831	863	623	735	527	0.344
	14MBH 65	1796	1284	1348	964	1140	804	0.532
	14MBH 90	2487	1783	1863	1335	1575	1127	0.737
	14MBH 120	3332	2372	2484	1764	2084	1492	0.983
Hawk Pd®	8M 20	226	162	194	146	178	130	0.118
	8M 30	347	251	299	219	283	203	0.176
	8M 50	590	430	526	382	478	350	0.289
	8M 85	1046	742	918	662	838	598	0.507
	14M 40	715	507	571	411	475	347	0.438
	14M 55	1069	765	845	605	717	509	0.583
	14M 85	1778	1266	1410	1010	1186	850	0.913
	14M 115	2486	1782	1974	1414	1654	1174	1.233
	14M 170	3827	2739	3059	2179	2579	1843	1.835

PART NUMBER

TensionRite Belt Frequency Meter (PN 20287454)

Optical Head Replacement (PN 20545642)

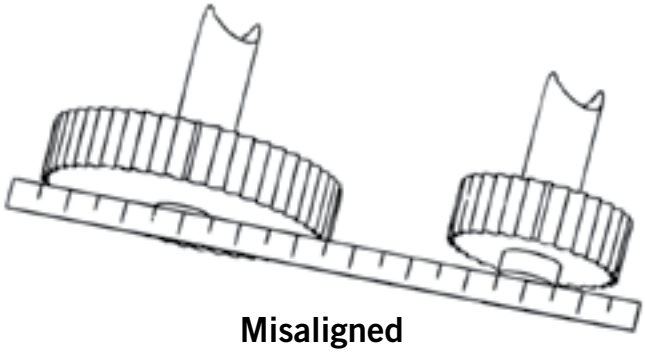
1. The table values are typically larger than necessary to cover the broad RPM range.
2. For drives where hub loads are critical and high speed drives or other drives with special circumstances, the table values (deflection force, installation tension) should be calculated.
3. Consult the Web site for detailed information on using the frequency-based tension gauges.
4. Veyance Technologies offers three different tension gauges for properly tensioning Eagle NRG, Hawk Pd or Blackhawk Pd belts. See your Goodyear Engineered Products sales representative or your local PTP industrial distributor for more information on the tension gauges listed on this page.

TECHNICAL INFORMATION

DRIVE ALIGNMENT

Synchronous belts are very sensitive to misalignment. The tension carrying member has a high tensile strength and resistance to elongation, resulting in a very stable belt product. Any misalignment will lead to inconsistent belt wear, uneven load distribution, and premature tensile failure. In general, synchronous drives should not be used where misalignment is a problem. Misalignment should be limited to ¼ degree or 1/16 inch per foot of center distance.

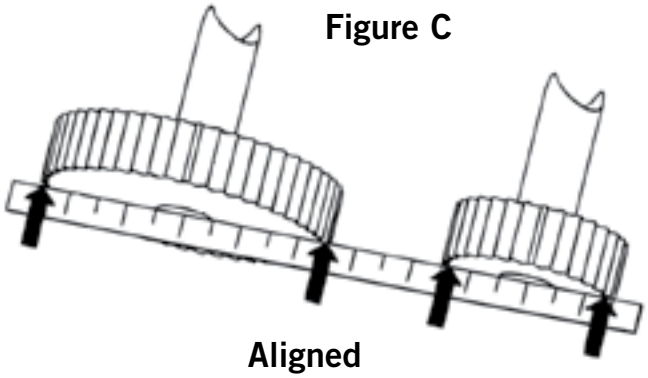
Figure A



Misaligned

Any degree of misalignment will reduce belt life and cause edge wear. Therefore, a straightedge should be used to check proper alignment verifying that sprockets and shafts are parallel, as in Figure C.

Figure C

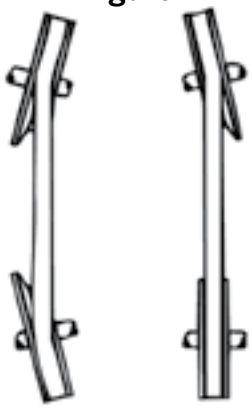


Aligned

Misalignment, at times, may cause tracking problems. Although some tracking is normal and will not affect belt performance, it may be caused by poorly aligned sprockets. Flanges may control a tracking problem. Considering a two-sprocket drive, belt contact on a single flange is acceptable. Belt contact with the opposite flanges of two sprockets should be avoided.

With parallel shafts, misalignment occurs when there is an offset between the sprocket faces as in Figure A. Misalignment also occurs when the shafts are not parallel as in Figure B.

Figure B

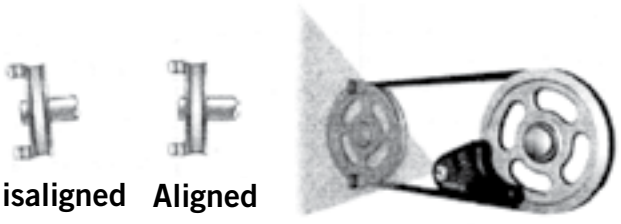


Correct Alignment

A straightedge should touch the sprocket at the four points indicated. Both front and back alignments should be checked.

Laser Alignment Tool

Goodyear Engineered Products Laser Alignment Tool provides an alternative to checking alignment with a straightedge. Each laser alignment tool comes with a rugged carrying case and detailed instructions to get you started with the quickest, easiest, and most versatile alignment tool on the market today.



Misaligned **Aligned**

Misalignment can also be attributed to the improper installation of a bushing or loose drive framework. Refer to sprocket manufacture guidelines for proper bushing installation. Secure motor and framework to eliminate vibration on center-to-center fluctuations.

Technical Information

V-Belt Causes of Premature Failure

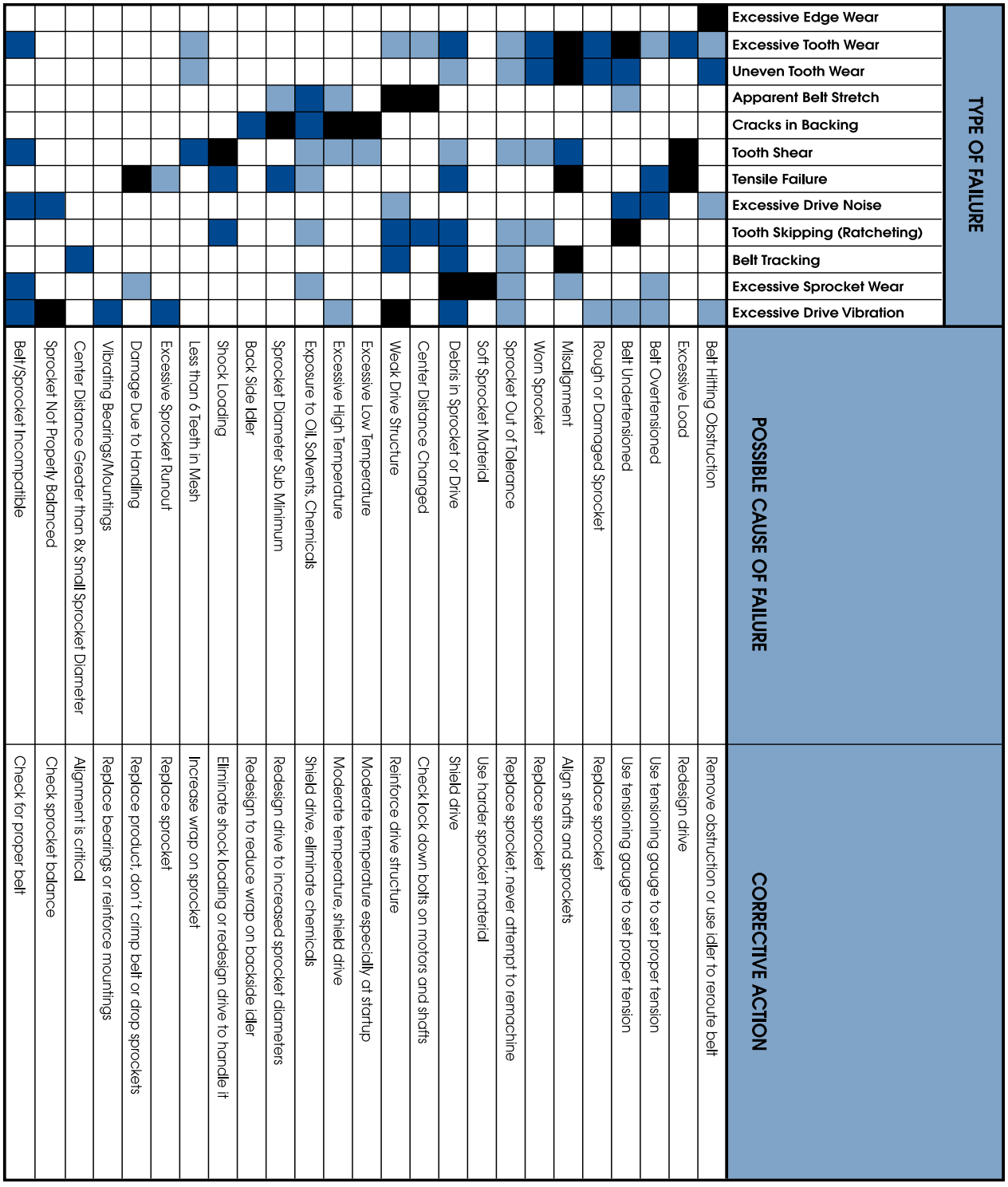
PROBLEM	Cut Thru On Top (Joined Belts)	Mismatched Belts At Installation	Belts Too Short At Installation	Belts Too Long At Installation	Excessive Vibration	Excessive Stretch	Belt Squeal	Hardening and Premature Cracking	Belts Turn Over	Broken Belts	Side Split	Ply Separation	Uneven Envelope Wear	Envelope Wear	Spin Burn	Gouges	Weathering or "Craze" Cracks	Loose Cover and Swell
Excessive Oil																		■
Exposure to Elements								■									■	
Pried Over Sheaves										■						■		
Contact w/Obstruction																■		
Insufficient Tension					■		■	■							■			
Stalled Drive Sheaves															■			
Constant Slippage														■				
Rough Sheaves													■					
Substandard Sheaves											■	■						
Excessive Tension												■						
Shock Load							■			■								
Foreign Material										■								
Excessive Dust														■				
Drive Misalignment									■				■					
Worn Sheaves	■	■							■				■					
Excessive Vibration									■									
High Ambient Temperature								■										
Drive Underbelted																		
Damaged Tensile Member					■					■								
Incorrect Belts			■	■														
Incorrect Drive Setup			■	■														
Insufficient Take Up			■	■														
Improper Matching						■												
Mixed Old and New Belts						■												
Non-Parallel Shafts						■							■					
Different Manufacturers		■				■												
Belt/Pulley, Incompatible	■					■												
Lubricate Properly															■			■
Clean Sheaves and Belt																		■
Replace Belts		■			■												■	
Provide Protection										■				■			■	
Install Properly					■					■		■				■		
Check for Belt Length																■		
Remove Obstruction																■		
Tension Properly					■	■	■	■	■					■	■			
Free Sheaves															■			
Replace Sheaves	■	■				■			■			■	■					
File Smooth													■					
Redesign Drive											■							
Operate Properly										■								
Align Drive		■							■				■	■				
Provide Ventilation								■										
Check for Proper Belt			■	■		■				■								
Check Machinery			■	■														
Use Only New Belts		■																
Use Single Source		■																
Check Fit																		
Replace Pulleys																		

POSSIBLE CAUSES

CORRECTIVE ACTION

TECHNICAL INFORMATION

SYNCHRONOUS BELT
CAUSES OF PREMATURE FAILURE



Mandrel Quantity Requirements

For Special Length or Made-to-Order Belts.*

The following quantities are for approximate reference only; mandrel tool sizes and availability at time of order may not be available. Please contact factory for verification.

HY-T® Belts		Under 123″	124″–300″	301″ & Up
	A	68	135	---
	B*	50	100	50
>B38=>50 Pcs	C	42	64	32
<B38=>53 Pcs	D	25	46	24
	E	---	42	21

HY-T® Wedge/ Wedge TLP Belts Envelope	Up to 90″	90″–140″	150″ & Up
3V, 3VT	117, 129	84, 93	---
5V, 5VT	68, 77	50, 57	95, 93
	Up to 140″	150″–300″	301″ & Up
8V, 8VT	31	61	31

HY-T® Wedge Belts Cut-Edge	Up to 120″	120″–140″	141″–300″	300″ & Up
3VX	98	98	176	---
5VX	63	63	100	50

Torque Team® Belting	Cut-Edge		Envelope	116″–123″	124″–300″	301″–& Up
	3VX	95	3V	88	176	---
	5VX	54	5V	50	100	50
(Including	8V	---	8V	32	64	32
Torque-	AX	60	A	68	135	---
Team	BX	50	B	50	100	50
Plus and	CX	36	C	42	64	32
Laminated)	DX	29	D	25	46	24

FHP Envelope	12″–112″ Length		Under 28″	28″ & Over
*2L	---	4L	75	75
			Under 38″	38″ & Over
3L	104	5L	54	54

*2Ls unavailable in Envelope Construction.

FHP Cut-Edge	12″–116″ Length
2L	152
3L	98
4L	79
5L	63

Torque Flex® Belts	Under 116″	116″ 123″	124″ 300″	301″ & Up
AX	73	73	135	---
BX	57	57	100	50
CX	42	42	64	32
DX	---	24	48	24

Positive Drive Belting**	Under 120″	Profile	120″ & Up
Standard Positive Drive	26″	MXL	---
	26″	XL	---
	26″	L	---
	26″	H	13″
	26″	XH	13″
	26″	XXH	13″
Dual Positive Drive	26″	XL	---
	26″	L	13″
	26″	H	13″
	26″	XH	13″
Hawk Pd® and Blackhawk Pd®	26″	5M	---
	26″	8M	13″
	26″	14M	13″
	26″	20M	13″
Super Torque Positive Drive (STPD)	28″	3M	---
	28″	4.5M	---
	28″	5M	---
	27″	8M	14″
	26″	14M	13″

Eagle NRG™ and Falcon HTC®: Contact Customer Service for correct quantities.

Variable Speed Belts	Any Length 38" Wide Mandrel**

Hex Belts		0–123″	124″–300″	Over 300″
	AA	67	118	---
	BB	49	94	47
	CC	34	60	30

Cut-Edge Automotive Belts	Width	Top Length	12″–116″
		13/32	98
		15/32	87
		17/32	76
		22/32	60
		24/32	54
		28/32	45
		32/32	39

Dry Can Belts	240″–300″	300″ & Over
	60	29

Neothane® Belts	12″–118″ Length	
	5MR	200
	7MR	124
	11MR	85

Poly-V® Belt (Cut-Edge Only)	
"J" Section	10″–120″= 400 ribs
"L" Section	25″–120″ = 200 ribs
"M" Section	50″–118″ = 100 ribs
"K" Section	12″–118″ = 265 ribs

*__Nonstock Belts__: Orders for nonstock or made-to-order belts are available in multiple mandrel size quantities. Please check factory for availability of equipment and/or availability for the desired construction.

**Inches indicate the total top width mandrel yield (e.g., divide belt top width into yield for total number of belts per mandrel).

Belt Storage

General Guidelines

The storage of power transmission belts is of interest to users and distributors as well as manufacturers. Under favorable storage conditions, good quality belts retain their initial serviceability and dimensions. Conversely, unfavorable conditions can adversely affect performance and cause dimensional change. Good storage facilities and practices will allow the user to achieve the most value from belt products.

Power transmission belts should be stored in a cool and dry environment with no direct sunlight. When stacked on shelves, the stacks should be small enough to avoid excess weight on the bottom belts which may cause distortion. When stored in containers, the container size and contents should be sufficiently limited to avoid distortion, particularly to those belts at the bottom of the container.

Some Things to Avoid

Do not store belts on floors unless a suitable container is provided. They may be susceptible to water leaks or moisture or otherwise damaged due to traffic.

Do not store belts near windows which may permit exposure to sunlight or moisture. Do not store belts near radiators or heaters or in the airflow from heating devices.

Do not store belts in the vicinity of transformers, electric motors, or other electrical devices that may generate ozone. Also avoid areas where evaporating solvents or other chemicals are present in the atmosphere.

Do not store belts in a configuration that would result in bend diameters less than the minimum recommended sheave or pulley diameter for normal bends and not less than 1.3 times the minimum recommended diameters for reverse bends. (Refer to appropriate RMA-MPTA-RAC Standards for minimum recommended diameters.)

Methods of Storage

V-belts

A common method of storing belts is to hang them on pegs or pin racks. Very long belts stored this way should use sufficiently large pins or crescent-shaped "saddles" to prevent their weight from causing distortion. Long V-belts may be "coiled" in loops for easy distortion-free storage. The following is a guide to the maximum number of coils for extended storage time.

Belt Cross Section	Belt Length (in)	Belt Length (mm)	No. of Coils*	No. of Loops
3L, 4L, A, AX, AA	Under 60	Under 1,500	0	1
5L, B, BX, 3V	60 up to 120	1,500 up to 3,000	1	3
9R, 13R, 13C, 13CX, 13D	120 up to 180	3,000 up to 4,600	2	5
16R, 16C, 16CX, 9N	180 and over	4,600 and over	3	7
BB, C, CX	Under 75	Under 1,900	0	1
5V	75 up to 144	1,900 up to 3,700	1	3
16D, 22C, 22CX	144 up to 240	3,700 up to 6,000	2	5
15N	240 and over	6,000 and over	3	7
	Under 120	Under 3,000	0	1
	120 up to 240	3,000 up to 6,100	1	3
CC, D	240 up to 330	6,100 up to 8,400	2	5
22D, 32C	330 up to 420	8,400 up to 10,600	3	7
	420 and over	10,600 and over	4	9
	Under 180	Under 4,600	0	1
	80 up to 270	4,600 up to 6,900	1	3
8V (25N)	270 up to 390	6,900 up to 9,900	2	5
	390 up to 480	9,900 up to 12,200	3	7
	480 and over	12,200 and over	4	9

*One coil results in three loops, two coils result in five loops, etc.

BELT STORAGE

METHODS OF STORAGE (CONT.)

JOINED V-BELTS, SYNCHRONOUS BELTS, V-RIBBED BELTS

Like V-belts, these belts may be stored on pins or saddles with precautions taken to avoid distortion. However, belts of these types, up to approximately 120 inches (3000 mm), are normally shipped in "nested" configuration and it is recommended that the belts be stored in this manner as well. Nests are formed by laying a belt on its side on a flat surface and placing as many belts inside the first belt as possible without undue force. When the nests are tight and are stacked with each rotated 180° from the one below, they may be stacked without damage.

Belts of these types over approximately 120 inches (3000mm), may be "rolled up" and tied for shipment. These rolls may be stacked for easy storage. Care should be taken to avoid small radii, which could damage the belts.

VARIABLE SPEED BELTS

Variable Speed belts are more sensitive to distortion than most other belts and it is not recommended that these belts be hung from pins or racks. They should be stored on shelves. A common method for packaging for shipment is the use of a "sleeve" slipped over the belt. Variable Speed belts should be stored in these sleeves and may conveniently be stacked on shelves with the aid of the sleeves.

EFFECTS OF STORAGE

The quality of belts has not been found to change significantly within seven years of proper storage at temperatures less than 85°F (30°C) and relative humidity below 70 percent. Also there must be no exposure to direct sunlight.

If the storage temperature is increased beyond 85°F (30°C), then the storage limit for normal service expectancy should be reduced. From a base of seven years at 85°F (30°C), the storage limit should be reduced by one-half for each 15°F (8°C) increase in temperature. Under no circumstances should belts be exposed to storage temperatures above 115°F (46°C).

With a significant increase in humidity, it is possible for fungus or mildew to form on stored belts. This does not appear to cause serious belt damage, but should be avoided if possible.

Equipment using belts is sometimes stored for prolonged periods (six months or more) before it is put in service or during other periods when it is idle. It is recommended that the tension of the belts be relaxed during such period and that equipment storage conditions should be consistent with the guidelines for belt storage. If this is not possible, the belts should be removed and stored separately.

Source: RMA IP-3-4, 2007

Goodyear Engineered Products Matchmaker® System

The RMA Engineering Standards IP-20 & IP-22 sets up limits for matching Classical and Wedge V-belts having polyester cord based on their lengths and cross-sections. These standards have been developed to ensure that belts that meet the RMA tolerances will run together on multiple-belt drives and effectively share the load that is being transmitted.

V-Belt Permissible Deviation From Nominal Length - Envelope Narrow Profile
Industry Standard

Product Length	Range
0″ to 50″ – 63⁄64″	15mm (.5905″)
51″ to 80″ – 63⁄64″	20mm (.7874″)
81″ to 100″ – 63⁄64″	25mm (.9842″)
101″ to 140″ – 63⁄64″	30mm (1.181″)
141″ to 300″ – 63⁄64″	40mm (1.575″)
301″ to 400″ – 63⁄64″	50mm (1.968″)
401″ to 500″	61mm (2.400″)

Source: RMA 1P-22, 2007
Engineering Standard "Envelope Narrow V-Belts and Sheaves"

Many Goodyear Engineered Products branded V-belts are produced to meet these standards under the Matchmaker Matching System. Multiple V-belts will still have different lengths under this system; however, the elongation of the polyester reinforced V-belts will allow the belt lengths to normalize once the belts are tensioned. The Matchmaker System only applies to V-belts with polyester cord; V-belts with Flexten® cord do not fall into this program. Sets of multiple Flexten reinforced V-belts have to be specially ordered to ensure they are within an acceptable length range to each other, or they can be ordered as one banded HY-T® Torque Team Plus® belt.

As an example, a 5V710 belt has a Matchmaker matching limit of 0.30″. This means a 5V710 that measures 71.150″ is considered matched to one that measures 70.850″ because the difference in belt length between the two is 71.150″ – 70.850″ = 0.30″, which is within the 0.30" matching limit that is called out for in the Matchmaker System.

MATCHMAKER Belts	Classical Lengths	Wedge Lengths
• Wedge TLP™ (3VT, 5VT, 8VT) • HY-T Wedge (3VX, 3V, 5VX, 5V, & 8V) • HY-T Plus (A, B, C, & D) • Torque Flex® (AX, BX, & CX) • HY-T Torque Team® (HY-T & HY-T Wedge) • Torque Team Laminated	0″–60″ ..... 0.15″ 61″–144″ ..... 0.30″ 145″–240″ ..... 0.45″ 241″–360″ ..... 0.60″ 361″–480″ ..... 0.75″ 481″ & longer ..... 0.90″	0″–63″ ..... 0.15″ 64″–150″ ..... 0.30″ 151″–250″ ..... 0.45″ 251″–375″ ..... 0.60″ 376″ & longer ..... 0.75″

Meets RMA Engineering Standards IP-22 for Narrow V-Belts, 2007

As a final note, the best way to optimize the Matchmaker program is to utilize the "first in-first out" method of inventory control. Every V-belt manufacturer that produces polyester-corded belts bases their matching principles on the assumption that their inventory is constantly turning over. This is because an inherent property of polyester is that it will shrink over time. Thus, a belt built two years ago will not measure the same as it did when it was originally produced. How much and how fast the polyester shrinks is largely dependent on the environmental conditions that the belt is exposed to during storage. As it is difficult to easily monitor the environment of certain storage spaces, it becomes apparent why it is important to make certain that the oldest inventory is the first to be used. With these procedures in place, the Matchmaker System will continue to serve your multiple-belt drive needs.

Oil & Chemical Resistance of Power Transmission Belts

In general, the presence of oil or chemicals in contact with any belt drive system can materially affect the life span and operational characteristics of the system. The concentration of the chemical or oil involved, length and type of exposure, choice of belt type used, and environmental conditions, such as heat and humidity, all contribute to the rate and degree of effect on the performance and deterioration.

Two effects may be noted when belts are exposed to oil and/or chemicals. The most obvious is a swelling or increase in dimensions of the cross section so that they no longer fit the pulley or sheave groove properly. Less apparent at casual observation, is the deterioration of the original physical properties, which includes adhesion between the belt components. If the degree of swelling and/or loss of physical properties is significant, the life of the belt will be substantially shortened.

The above effects may be brought about by a large variety of chemicals, notably oils, acids, and solvents.

No one synthetic rubber is resistant to all of these. Some compounds may be excellent for one chemical, but poor for another, and only adequate for still another.

Because of this, all Goodyear Engineered Products stock belts are constructed to be reasonably oil and chemical resistant. The nature of the compounds and/or belt construction may minimize swelling and deterioration. Occasional splattering by oils and greases does not usually adversely affect standard belts. The automotive fan belt is a typical example.

In addition, there are a great number of chemicals, such as gasoline, which swell rubber or extract ingredients from the belt's rubber compounds. These may cause embrittlement, cracking, or swelling of the belt, which results in deterioration of performance.

If the drive is subjected to the accumulation of a considerable amount of oil and grease on the belt, it may preclude the use of a V-belt or a V-ribbed belt. Synchronous belts are not substantially affected by the loss of friction coefficient and may be capable of limited operation under these conditions.

As can be seen from the above, there are many variables. However, the following general guidelines might be of use in selecting a belt drive system subjected to a chemical environment.

1. Prevent the accumulation of contaminants.

2. If the belts are to be subjected to only an occasional contamination contact, a standard construction V- or synchronous belt can be used.

3. If the belts are expected to give long, trouble-free operation on an industrial drive, and they are in contact with oil or exposed to an atmosphere laden with chemicals or solvents, consult the manufacturer for recommendations.

Source: RMA 1P-3-2, 1999

STATIC CONDUCTIVE BELTS

There is always a demand for belts and other rubber products to be used in the presence of explosive gases, liquids, powders, dusts, etc., where the possibility of static sparks must be kept to a minimum.

Below, we hope to outline, in nontechnical terms, a basic overview of static conductivity.

The ordinary manifestations of static electricity are present in everyone's daily life: in combing one's hair, walking across a dry carpet, separating two sheets of paper, etc.

The differences between a static spark and the current from a lighting or power circuit are differences in duration, voltage, and amperage. Usually the sparks are very short in duration since there is no continuous source of current. The voltage of a static spark is very high. About 20,000 volts are required to produce a spark which will jump a one-inch gap in dry air. The amperage and the energy, however, are usually very small.

There are many ways in which static may be generated: by friction between two unlike materials, by the breaking up of a liquid into a spray or mist, etc.

Any material can be electrified to some extent. If the material is a conductor, however, it may be discharged by connecting any point with the ground. If it is a nonconductor, the charge must be removed at the point where it is generated.

In distinguishing between conductors and insulators for static charges, they must not be confused with the actions of similar materials when used with ordinary electric current. The conductivity required to dissipate a static charge is so small that materials which are satisfactory "insulators" for ordinary electric current may act as "conductors" for static charges.

The term "resistivity" applies to the specific resistance of the substance of which the conductor is made. It is numerically equal to the resistance between the opposite faces of a cube of the substance whose edge is one centimeter. The unit of resistivity is the Ohm-Centimeter.

The specific resistivity of most rubber compounds is approximately 10^{15} (10 followed by 14 zeros) ohm-cm. For all practical purposes, it is sufficient to know that the resistivity of rubber is very, very high and that it is a good insulator. It is possible, however, to make a rubber compound having a resistivity of 100 ohm-cm or less. Thus compared to ordinary rubber compounds, these stocks may be classed as conductors. However, when compared to copper, which has a resistivity of 0.0000017 ohm-cm, the very best of conducting rubber compounds, would still be classed as insulators.

Six mega-ohms is the maximum limit recommended by RMA and industry for all Static Conductive Belts. Belts produced and designated by Veyance Technologies as static conductive meet this RMA recommendation. If special customers insist on tighter static conductive limits than required by RMA, such limits should be carefully noted and emphasized on the order so that these belt orders can be specially processed through the plant.

However, merely using a conductive belt does not eliminate the static problem entirely. The entire system must be grounded since, if no ground is provided, the belt or other parts of the system may by charged either by conduction or induction from some outside source.

It is, of course, necessary to see that belt and pulley surfaces are kept free of foreign substances, such as dirt, dust, belt dressing, etc., which are not themselves conductors. The pulleys, of course, must be a conductive material which rules out most nonmetallic materials unless they are specially designed and treated.

Where the explosion hazards are severe, we strongly recommend that the user periodically check, not only the belts, but all other possible sources of static sparks. Often the material itself, as in the case of smokeless powder, may be a source of static charges. Likewise, the clothes of the operators will generate static. It is essential that all, and not just part, of the static sources be eliminated if the danger of static discharge is to be averted.

Product Accessories & Sales Aids

Drive Maintenance Materials

Items:		Product Code	SAP#	Availability/ List Price
_____	TensionRite® Belt Frequency Meter	62420000050000	20287454	$2,544.64
_____	TensionRite® Optical Head Replacement		20545642	$978.87
_____	Laser Alignment Tool	52290800800000	20245089	$2,090.48
_____	Laser Alignment Tool Replacement Magnet		20304774	$113.31
_____	TensionRite® Large Tension Tester (Instructions included)	52290800500000	20083777	$608.04
_____	TensionRite® Small Tension Tester (Instructions included)	52290800300000	20044882	$42.95
_____	TensionRite® Gauges - Blue / 50 per pack for banded belts	70082194715000	20140098	GBS / $24.97
_____	TensionRite® Gauges - Yellow / 25 per pack for v-belts	70082194715700	20157153	GBS / $22.88

General Sales Materials

Product Specific:

_____	PTP Full Line Product Catalog	70082194707100	20044904	www.goodyearep.com/ptp or GBS
_____	Falcon HTC® Brochure	70082194753100		www.goodyearep.com/ptp or GBS
_____	Eagle NRG™ Brochure	70082194706700	20039436	www.goodyearep.com/ptp or GBS
_____	Wedge TLP™ Brochure	70082194701700		www.goodyearep.com/ptp or GBS
_____	Eagle Pd® Acculinear Brochure	70082194717700		www.goodyearep.com/ptp or GBS
_____	TensionRite® Brochure	70082194714800	20118189	www.goodyearep.com/ptp or GBS
_____	ELATECH® Polyurethane Belt Catalog	70082194747400		www.goodyearep.com/ptp or GBS
_____	ELATECH® Polyurethane Belt Brochure	70082194701500		www.goodyearep.com/ptp or GBS
_____	E's of Energy Brochure	70082194701300		www.goodyearep.com/ptp or GBS
_____	GY Metric® Sales Flyer	70082194747900		www.goodyearep.com/ptp or GBS
_____	Laser Alignment Tool Flyer	70082194748300		www.goodyearep.com/ptp or GBS
_____	TensionRite® Belt Frequency Meter Flyer	70082194748400		www.goodyearep.com/ptp or GBS
_____	Full Size TensionRite® Belt Frequency Meter User's Manual			www.goodyearep.com/ptp or GBS
_____	TensionRite® Belt Freq Meter Tensioning Tables	70082194748500		www.goodyearep.com/ptp or GBS
_____	MaximizerPro™ Flyer	70082194753600		www.goodyearep.com/ptp or GBS

Market Specific:

_____	ACHE (Air Cooled Heat Exchanger) Brochure			www.goodyearep.com/ptp or GBS

Application

Engineering Manuals:

_____	Positive Drive Belts	70082194768600	20044953	www.goodyearep.com/ptp or GBS
_____	Eagle NRG™ Synchronous Drive Products Manual			www.goodyearep.com/ptp or GBS
_____	Synchronous Belts	70082194708000	20190469	www.goodyearep.com/ptp or GBS
_____	ACHE Axial Fan Drive Systems	70082194750300		www.goodyearep.com/ptp or GBS

PRODUCT ACCESSORIES & SALES AIDS

	APPLICATION	Product Code	SAP#	Availability
Application/Cross Reference Materials:				
_____	Industrial Belt Wall Chart Product Reference - 11" x 17"	70082194746100		GBS
_____	Industrial Belt Wall Chart Product Reference - Poster size			GBS
_____	Variable Speed Application Guide	70082194711100	20044912	Customer Service
_____	Lawn & Garden Application Guide	52098980800000	20073298	Customer Service
_____	Car & Light Truck Application Guide (Current to 1994)	52098980600000	20035740	Customer Service
_____	Car & Light Truck Application Guide (1993 and prior)	52098984300000	20049146	Customer Service
_____	Medium to Heavy Duty Truck Application Guide (Current to 1990)	52098980700000	20049138	Customer Service
_____	Medium to Heavy Duty Truck Application Guide (1989 and prior)	52098930000000	20108695	Customer Service
_____	Sports Vehicle (Snowmobile) Application Guide	52098980900000	20035750	Customer Service
Software:				
_____	MaximizerPro™ Drive Analysis Software Program	70082194748000	20112583	www.goodyearep.com/ptp or GBS
_____	MaximizerPro™ Drive Data Gathering Form			www.goodyearep.com/ptp or GBS

	TRAINING			
Product Specific:				
_____	Installation, Maintenance & Trouble Shooting Guide	70082194750600	20044945	www.goodyearep.com/ptp or GBS
_____	Installation, Maintenance & Trouble Shooting Pre-packaged Seminar Kit	70082194746900		GBS

	MISCELLANEOUS SALES SUPPLIES & TOOLS			
_____	Eagle NRG™ Sprocket Demo Kit (Limit 1ea / order)	62499000800000	20039454	$144.01
_____	Straight Edge Pulley / Sprockety Alignment Tool (Limit 2ea / order)	62499000500000	20039449	$15.05
_____	"V" Profile Sheave Gauge	52290800400000	20044915	$12.76
_____	Automotive & FHP Belt Measuring Gauge	52090800000000	20035727	$127.26
_____	Small Blank Sleeves - PB616-6	52035980400037	20069243	Customer Service
_____	Large Blank Sleeves - PB617-6	52035980500037	20069265	Customer Service
_____	3' Wood Wall Racks (20 boards/box)	52098981800000	20073299	$610.87
_____	6" Metal Hooks (250 hooks/box)	52098920200000	20073283	$199.45
_____	12" Metal Hooks (250 hooks/box)	52098920300000	20073284	$596.05

WARNING

DO NOT USE THE PRODUCTS IN THIS GUIDE IN AIRCRAFT APPLICATIONS. THE PRODUCTS IN THIS GUIDE ARE NOT INTENDED FOR USE IN AIRCRAFT APPLICATIONS.

DO NOT USE THE PRODUCTS IN THIS GUIDE IN LIFT OR BRAKE SYSTEMS WHICH DO NOT HAVE AN INDEPENDENT SAFETY BACKUP SYSTEM. THE PRODUCTS IN THIS GUIDE ARE NOT INTENDED FOR USE IN LIFT OR BRAKE SYSTEMS WHICH DO NOT HAVE AN INDEPENDENT SAFETY BACKUP SYSTEM.

FAILURE TO FOLLOW THESE WARNINGS AND THE PROPER PROCEDURES FOR SELECTION, INSTALLATION, CARE, MAINTENANCE, AND STORAGE OF BELTS MAY RESULT IN THE BELT'S FAILURE TO PERFORM PROPERLY AND MAY RESULT IN DAMAGE TO PROPERTY AND/OR SERIOUS INJURY OR DEATH.

The products in the Guide have been tested under controlled laboratory conditions to meet specific test criteria. These tests are not intended to reflect performance of the product or any other material in any specific application, but are intended to provide the user with application guidelines. The products are intended for use by knowledgeable persons having the technical skills necessary to evaluate their suitability for specific applications. Goodyear assumes no responsibility for the accuracy of this information under varied conditions found in field use. The user has responsibility for exercising care in the use of these products.

NOTES

NOTES

U.S.A.
1-800-235-4632
FAX 1-800-762-4017

GOODYEAREP.COM/PTP

700-821-947-071

10GPTP039 – 05/11