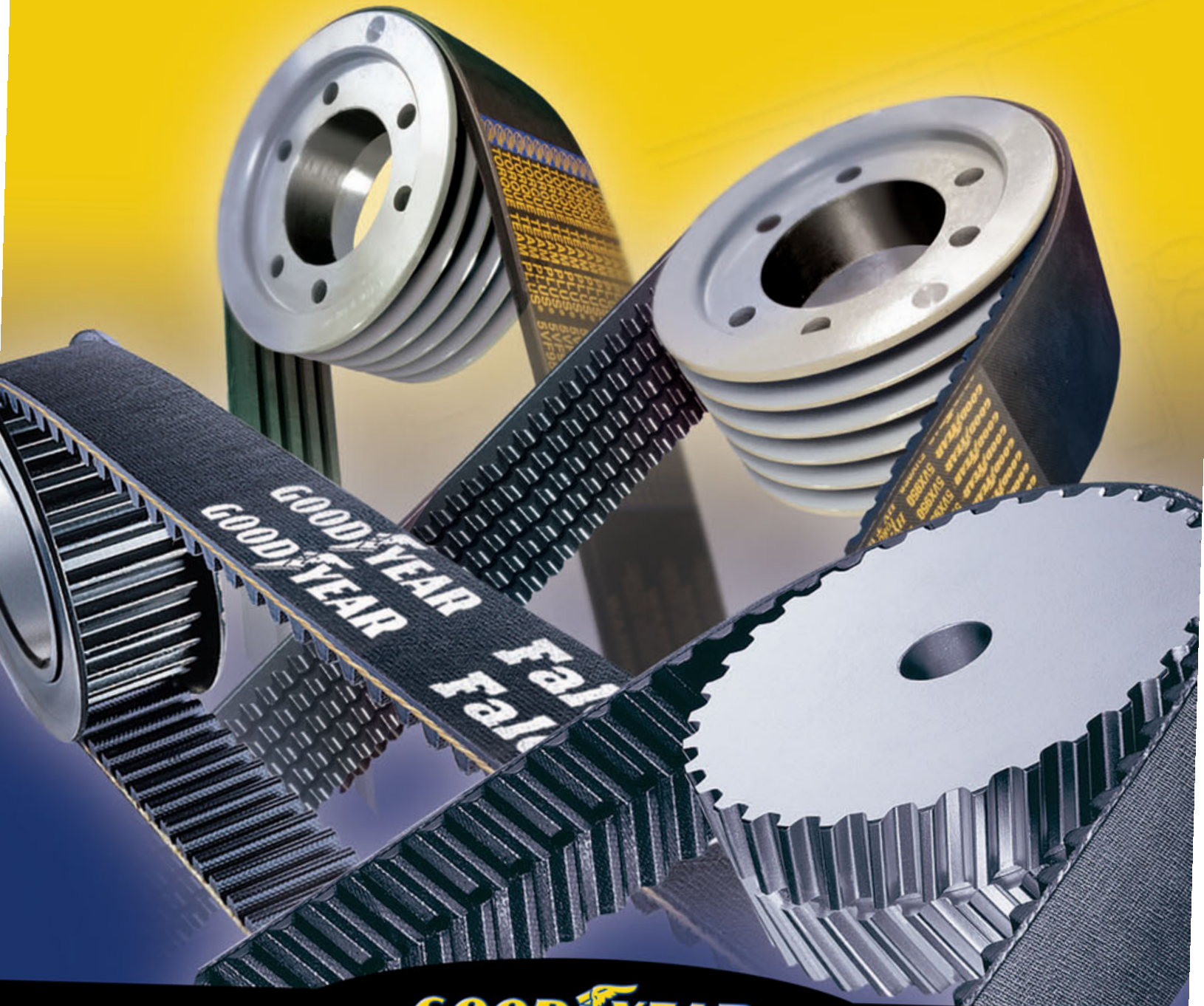




POWER TRANSMISSION PRODUCTS FULL LINE CATALOG



GOODYEAR
ENGINEERED PRODUCTS



TERMS OF SALE

1. The power transmission products manufactured by Goodyear meet 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 power transmission product may be purchased and because Goodyear has no control over (or knowledge of) the conditions under which the product may be used by others. **GOODYEAR 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.
2. **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 Goodyear, 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 GOODYEAR, 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 GOODYEAR, 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 GOODYEAR SHALL NOT BE LIABLE FOR, AND CUSTOMER ASSUMES ALL RISK OF, INACCURATE OR UNSUITABLE SPECIFICATIONS OR INFORMATION PROVIDED, SELECTED OR DESIGNATED BY CUSTOMER.**
3. **LIMITATION OF WARRANTY. POWER TRANSMISSION PRODUCTS NOT MANUFACTURED BY GOODYEAR ARE SOLD WITHOUT WARRANTY, "AS IS," AND ARE SUBJECT TO THE LIMITATION OF LIABILITY SET FORTH IN SECTION 4. SUBJECT TO THE LIMITATIONS OF SECTION 4 AND UNLESS OTHERWISE EXPRESSLY PROVIDED HEREIN,** power transmission product that has been manufactured by Goodyear, unless sold without warranty "AS IS," is warranted to be free from defects in material and workmanship. Subject to the preceding sentence, and except as otherwise expressly provided herein, **GOODYEAR 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 POWER TRANSMISSION PRODUCT OR ANY OTHER PRODUCT, WHETHER USED ALONE OR IN COMBINATION WITH ANY OTHER MATERIAL OR PRODUCT OR IN ANY PROCESS. GOODYEAR SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES, EVEN IF GOODYEAR HAS BEEN NOTIFIED OF THE POTENTIAL OF SUCH A LOSS OR CLAIM. OTHER THAN THOSE SPECIFICALLY SET FORTH HEREIN, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE OF GOODYEAR'S ORDER CONFIRMATION, EITHER EXPRESS OR IMPLIED.**
4. **LIMITATION OF LIABILITY OF GOODYEAR AND EXCLUSIVE REMEDY.** Any Goodyear-manufactured power transmission product claimed to be defective in material or workmanship shall, upon Goodyear's approval, be returned to Goodyear as designated, at the Customer's expense. **GOODYEAR WILL, AS THE EXCLUSIVE REMEDY, MAKE AN ADJUSTMENT FOR POWER TRANSMISSION 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 GOODYEAR'S OPTION, GOODYEAR MAY REFUND THE PURCHASE PRICE UPON RETURN OF THE PRODUCT.** Whenever a warranty for a specific product provides that no adjustment shall be made after a specified period of time, Goodyear shall not be responsible under the terms of such warranty unless claim is made within such period of time. **GOODYEAR'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 OR OTHERWISE) SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCTS IN RESPECT TO WHICH SUCH CAUSE ARISES, AND IN NO EVENT SHALL GOODYEAR 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. GOODYEAR 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.**
5. 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 Goodyear provided such written notice is received by Goodyear not more than 10 days after your receipt of notification of the increase. Upon such cancellation Customer shall have no liability to Goodyear for the canceled portion of the order except as to product manufactured or in process, components procured by Goodyear from outside sources, and special tooling and equipment procured for performance of the order.
6. 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, transport action, 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, Goodyear may, at its option and without liability to Customer, terminate its obligation with respect to future shipments upon thirty (30) days written notice.
7. Goodyear may change availability dates in accepted orders without liability by notifying Customer prior to shipment, and in addition Goodyear 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, Goodyear will endeavor to allocate material fairly among its Customers, but reserves to itself final determination of the deliveries to be made without liability.
8. Goodyear 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 Goodyear of any patent infringement and upon request tenders Goodyear the defense of the claim. **CUSTOMERS WHO FURNISH SPECIFICATIONS TO GOODYEAR AGREE TO HOLD GOODYEAR HARMLESS AGAINST ANY CLAIMS WHICH ARISE OUT OF GOODYEAR'S COMPLIANCE WITH SUCH CUSTOMER SPECIFICATIONS.**
9. 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, Goodyear 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 these terms of sale. Customer hereby agrees that notwithstanding any information shown in this confirmation regarding any estimated shipment, production or requested date(s) for the goods, Goodyear 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 Goodyear 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.
10. Due to the varying locations of the operations of Customer and Goodyear and the locations that may be involved in the performance and documentation of an order to which these Terms and Conditions of Sale are applicable, in order to settle upon and to eliminate any doubt as to the rights of the Customer and Goodyear, Customer and Goodyear agree that this Confirmation 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 The Goodyear Tire & Rubber Company, Customer and Goodyear 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 Goodyear exclude the application of the United Nations Convention on Contracts for the International Sale of Goods to this Confirmation and order.

TABLE OF CONTENTS

OVERVIEW

| | |
|--------------------------------------|--------------|
| Terms of Sale | Inside Cover |
| Goodyear Power Transmission Products | 2-3 |
| Maximizer™ | 4 |

SYNCHRONOUS BELT PRODUCTS

| | |
|---------------------------------------|--|
| Introduction to Synchronous Belts | 5 |
| Eagle Pd™ Belts & Eagle Pd™ Sprockets | 6-13 |
| Eagle Pd™ Acculinear® | 14-18 |
| Falcon Pd™ | 8M, 14M |
| Falcon Pd™ Sprockets | 20-21 |
| Hawk Pd™ | 3M, 5M, 8M, 14M, 20M |
| Blackhawk Pd™ | 8M, 14M |
| Positive Drive Pd™ | MXL, XL, L, H, XH, XXH |
| Super Torque Pd™ | S3M, S4.5M, S5M, S8M, S14M |
| Dual Hi-Performance Pd™ | 8M, 14M |
| Dual Positive Drive | XL, L, H |
| Open End Pd™ | Positive Drive Pd™, Falcon Pd™, Hawk Pd™, Super Torque Pd™, Metric T Pd™ |
| Polyurethane Belts | 36-37 |
| Bushings & General Product Info | 38-39 |

BANDED BELT PRODUCTS

| | |
|--|-----------------------------|
| Introduction to Banded Belts | 40 |
| Torque Team® (Laminated) | .5VL |
| HY-T® Wedge Torque Team® | 3VX, 3V, 5VX, 5V, 8V |
| Torque Team Plus® | .5VF, 8VF |
| Narrow (Ultra-V) Sheaves | 3V, 5V, 8V |
| HY-T® Torque Team® (Classical) | .BX, CX, D |
| "A/B" Classical (Conventional) Sheaves | A/B, A/B (Large Bore), C, D |
| Poly-V | H, J, K, L, M |

V-BELT PRODUCTS

| | |
|--|-----------------------------|
| Introduction to V-Belts | 52 |
| Open End V-Belting | A, B, C, D |
| HY-T® Wedge | 3VX, 3V, 5VX, 5V, 8V |
| Narrow (Ultra-V) Sheaves | 3V, 5V, 8V |
| HY-T® Plus (Classical) | A, B, C, D, E |
| Torque-Flex® | .AX, BX, CX |
| "A/B" Classical (Conventional) Sheaves | A/B, A/B (Large Bore), C, D |
| Hex | .AA, BB, CC, CCP |
| Insta-Power™ (Flexten® Classical) | .83, 84, 85, 87, 89 |
| FHP | 2L, 3L, 4L, 5L |
| QT/FHP Sheaves | 69 |
| Neothane® | 3M, 5M, 7M, 11M |

SPECIALTY BELT PRODUCTS

| | |
|------------------------------|-----------------------------|
| Variable Speed | 72-73 |
| Flat Belting (Truly Endless) | 74-75 |
| Bowling Machine | 76 |
| Cotton Cleaner | .61CCB, 63CCB, 64CCB, 65CCB |
| Fin Fan | 14M |

AUTOMOTIVE & TRUCK BELT PRODUCTS

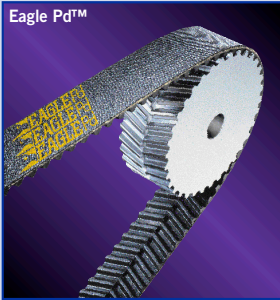
| | |
|--------------------------|----|
| Special Truck Belt | 77 |
| Gatorback® Poly-V Belt | 78 |
| Gatorback® V-Belt | 78 |
| Timing Belt | 79 |
| Truck Refrigeration Belt | 79 |

GENERAL INFORMATION

| | |
|---|-------|
| Belt Size Information | 80 |
| Bushings & General Product Information | 81-82 |
| Technical Information | 83-90 |
| Mandrel Quantity Requirements | 91 |
| Belt Storage | 92-93 |
| Goodyear Matchmaker System | 94 |
| Oil & Chemical Resistance of Power Transmission Belts | 95 |
| Static Conductive Belts | 96 |
| Marketing Accessories & Aids | 97 |
| Warnings | 98 |









INNOVATIVE PRODUCTS



MAXIMIZER™ Drive Selection Analysis Program

Goodyear is committed to maintaining a position of industry leadership. We have an enviable history of product innovation and power transmission industry firsts, including:

-  Falcon Pd synchronous belts are a drop-in replacement for Gates Poly Chain GT 2* belts.
-  Eagle Pd premium synchronous belts with a patented H.O.T. (Helical Offset Tooth) design for reduced noise, reduced vibration, and increased efficiency.
-  Technology that produces matched belts from run to run which we call Matchmaker belts.
-  The Maximizer Drive Selection Analysis software program for easy, accurate selection of the best drive components for your application.
-  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. On the horizon we have a multitude of new innovations that are being developed at our Research and Development Center in Lincoln, Nebraska.



That means Goodyear 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

Working with Goodyear, you will receive the high level of service and support that is critical to stay ahead in today's business environment. Goodyear power transmission products are available through qualified distributors that are carefully selected and trained to provide much more than quality Goodyear 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 authorized power transmission products distributors are committed to providing you the absolute best in products and service. They are thoroughly trained on Goodyear belting products and stand ready to meet all your power transmission needs.

These distributors are backed by a staff of Goodyear 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 Goodyear power transmission products.

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

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. Goodyear's professional design engineers are also available for consultation at your site or via our toll-free help line. 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 Goodyear power transmission products has 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's power transmission products, 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 it comes from.

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.



With Goodyear, 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 has a tradition of product excellence and service. Along with our extensive distributor network, we form 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 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 **Maximizer™**. With **Maximizer™**, 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 Pd™**, permitting less maintenance and more efficiency.



MAXIMIZER™

Drive Selection Analysis Program

OVERVIEW

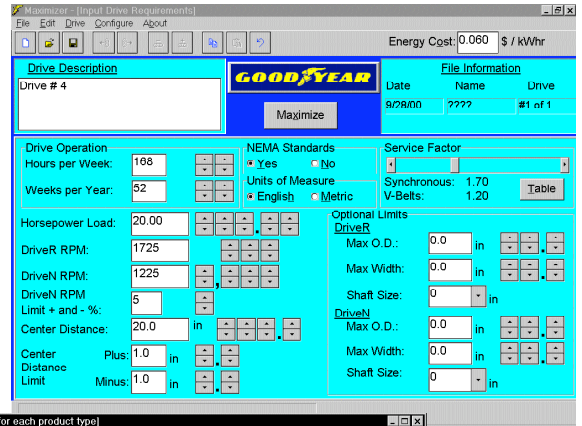
Maximizer is an exciting program which allows the user to have Goodyear belt specifications and information right at their fingertips. It is easy to install and easy to use, making drive recommendations a snap. With Maximizer, drive requirements specified by the user are matched with available belts, sprockets,

pulleys, and bushings. The Maximizer screen allows the user to select the most efficient drive. With other pertinent information, such as customer prices, belt information and engineering drawings included, the benefits of Maximizer are quickly realized.

THE INPUT SCREEN:

The input screen allows you to input 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



THE SELECTION SCREEN:

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

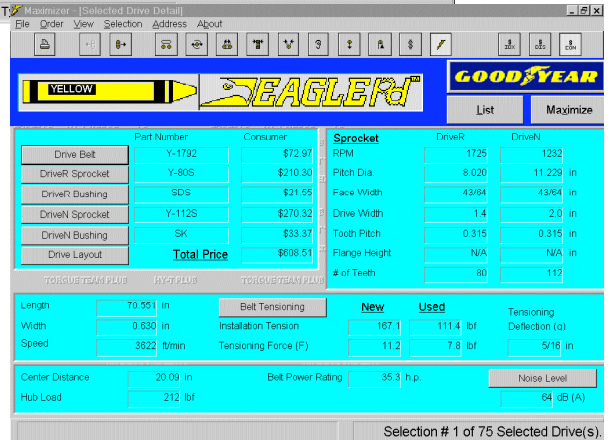
- Face Width
- Noise Level
- Drive Place
- Energy Cost



THE DETAIL SCREEN:

The detail screen will provide 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, the drive layout and tensioning information.



Maximizer is available through Goodyear Power Transmission Products Distributors.

SYNCHRONOUS BELTS



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 by Goodyear to 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.

THE EVOLUTION OF THE GOODYEAR Pd™ BELT LINE

Goodyear manufactures four distinctly different designs. Some are available as open-end constructions and some are available in dual-sided constructions.

Positive Drive Pd is Goodyear's trademark line of trapezoidal tooth profile synchronous belts. These belts were the first profile types developed in the continual evolution of synchronous drive belts. Goodyear's 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 from Goodyear. The SuperTorque 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 manufacture parts with minimal runs.

Eagle Pd Belts and Sprockets are Goodyear's unique technological breakthrough. A patented H.O.T. (Helical Offset Tooth) design provides for continuous rolling tooth engagement, allowing the Eagle Pd System to run quieter with less vibration than any other synchronous belt available today. With specialized materials the Eagle Pd belt allows for a reduction in drive width allowing for a more compact, lighter drive design. And best of all, no flanges are required, translating into additional weight savings for your system.

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

Falcon Pd is a synchronous belt designed as a drop-in replacement for the Gates Poly Chain GT 2* polyurethane belts. Falcon Pd belts feature a patented high-grade rubber compound.

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.

This compound is formulated to resist tooth deforming and increase tooth rigidity, increasing belt life and decreasing replacement costs. Falcon Pd belts also feature a patent pending cord treatment which provides excellent dimensional stability and high-impact strength. Falcon Pd belts can also be used in applications requiring backside idlers, allowing for greater flexibility in various applications. For ease of ordering, the Falcon Pd part number interchanges with the Gates counterpart belt, making replacement easy.

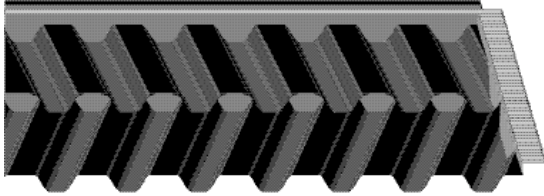
Hawk Pd, with its strength and unique construction using Goodyear's advanced compounding technology, is a line of curvilinear, synchronous belts that offers universal performance that stands alone. Designed to fit virtually every high-capacity synchronous application, Hawk Pd belts fulfill existing drive 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 manufactured to 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 Pd™ BELT



SYNCHRONOUS

Part No: B-1750

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

A REVOLUTIONARY BREAKTHROUGH IN SYNCHRONOUS BELT TECHNOLOGY

Much more than an alternative to chain and V-belt drives, Goodyear's Eagle Pd is a total product enhancement that can improve the performance of your drive design.

Eagle Pd's unique H.O.T. (Helical Offset Tooth) design provides a continuous rolling tooth engagement to create a lighter, quieter, reduced vibration, flangeless drive to maximize both the performance and efficiency of your drive system.

LIGHTER, NARROWER DRIVES

The self tracking design of Eagle Pd eliminates the need for sprocket flanges, which reduces face width and weight. The belt is also bidirectional for use in reverse drive applications. And because the belt is comprised of specialized materials, the width of the belt can be reduced without compromising strength. The result is a lighter, narrower, more design-friendly drive option.

BELT MATERIALS COMPOUNDED TO LAST LONGER

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

Eagle Pd'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 Pd belts also reduce tooth engagement friction while standing up to oil and chemical permeation.

APPLICATIONS

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

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

KEY FEATURES & BENEFITS

- Reduced Noise
- Less Vibration
- Increased Horsepower
- Less Maintenance
- Higher Efficiency
- Compactness
- Less Bearing Load
- Self-Tracking
- Greater Precision
- Bidirectional

INCREASED EFFICIENCY

DRIVE CHANGE OPPORTUNITY

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

Simply stated, with Eagle Pd, you get what you pay for with each energy dollar. This is especially true when the Eagle Pd 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 Pd 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 Pd drives.

LOWER MAINTENANCE COSTS

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

EAGLE Pd™ BELT

SYNCHRONOUS

MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

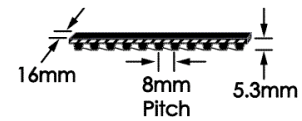
The Eagle Pd Color Spectrum System makes it the easiest power transmission drive to sell, purchase, and install.

The part numbering system for Eagle Pd 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

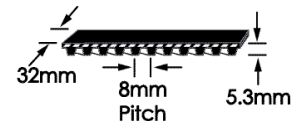
EAGLE Pd™ YELLOW (8 mm Pitch - 16 mm Width)



| 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.

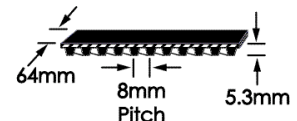
EAGLE Pd™ WHITE (8 mm Pitch - 32 mm Width)



| 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 Pd™ PURPLE (8 mm Pitch - 64 mm Width)



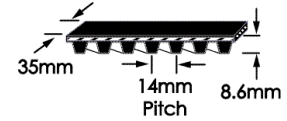
| Part Number | No. of Teeth | Length (in) | Part Number | No. of Teeth | Length (in) |
|-------------|--------------|-------------|-------------|--------------|-------------|
| P-720 | 90 | 28.35 | P-1200 | 150 | 47.24 |
| P-800 | 100 | 31.50 | P-1280 | 160 | 50.39 |
| P-896 | 112 | 35.28 | P-1440 | 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 Pd™ BELT

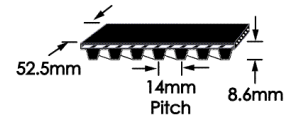
SYNCHRONOUS



EAGLE Pd™ 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 |

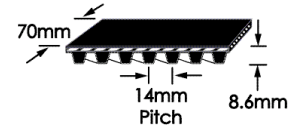
The belt length in mm is given in the part number.



EAGLE Pd™ 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 |

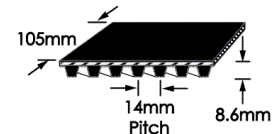
The belt length in mm is given in the part number.



EAGLE Pd™ 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.

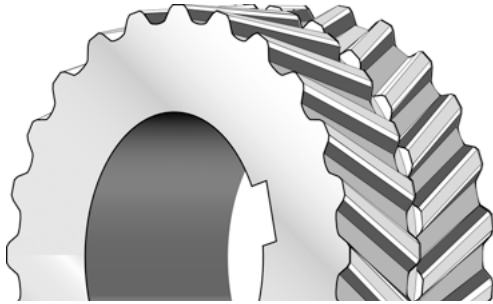


EAGLE Pd™ RED (14 mm Pitch - 105 mm Width)

| 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.

EAGLE Pd™ SPROCKETS



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 Pd sprockets have been designed to insure maximum service life and performance. Over 1,000 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 Pd 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 Pd 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

Goodyear Eagle Pd 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 as is with a minimum bore, typically 1/2" 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-1 7/8

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

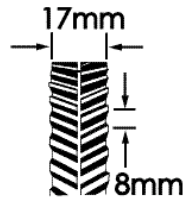
E 2 1/8:

E Bushing Size 2 1/8 Bushing Bore

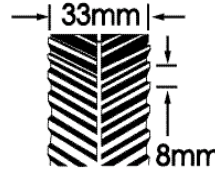
Bushings are supplied with bolts, lock washers, and set screws. Keys are supplied only if a special shallow key is required. The E 2 1/8" bushing can be used to install any sprocket with an "E" hub on a 2 1/8" shaft. The QD bushing system is an industry standard, however, to ensure the best match between sprocket and bushing, we recommend using bushings supplied by Goodyear for Eagle Pd sprockets.



EAGLE Pd™ SPROCKETS



YELLOW



WHITE

EAGLE Pd™ 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 Pd™ WHITE (8 mm Pitch - 33 mm Width)

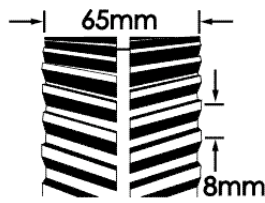
| Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| W-18S-MPB | 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 Pd™ WHITE SLAB SPROCKETS

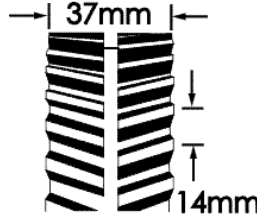
| Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| W-18S-SLB | 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 | | |

FSB = Finish Stock Bore
See page 13 for sizing information.

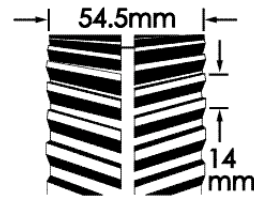
EAGLE Pd™ SPROCKETS



PURPLE



BLUE



GREEN

SYNCHRONOUS

EAGLE Pd™ 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 Pd™ 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 Pd™ 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-34S-SK | 34 | B-45S-MPB | 45 | B-60S-E | 60 | B-90S-MPB | 90 | | |
| B-36S-MPB | 36 | B-45S-SF | 45 | B-63S-MPB | 63 | B-90S-F | 90 | | |

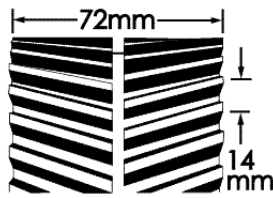
EAGLE Pd™ GREEN (14 mm Pitch - 54.5 mm Width)

| 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-36S-SF | 36 | G-48S-MPB | 48 | G-63S-F | 63 | G-112S-MPB | 112 |
| G-28S-FSB | 28 | G-38S-MPB | 38 | G-48S-E | 48 | G-71S-MPB | 71 | G-112S-J | 112 |
| G-30S-MPB | 30 | G-38S-SF | 38 | G-50S-MPB | 50 | G-71S-J | 71 | G-140S-MPB | 140 |
| G-30S-FSB | 30 | G-40S-MPB | 40 | G-50S-E | 50 | G-75S-MPB | 75 | G-140S-M | 140 |
| G-32S-MPB | 32 | G-40S-SF | 40 | G-56S-MPB | 56 | G-75S-J | 75 | G-168S-MPB | 168 |
| G-32S-FSB | 32 | G-43S-MPB | 43 | G-56S-E | 56 | G-80S-MPB | 80 | G-168S-M | 168 |
| G-34S-MPB | 34 | G-43S-E | 43 | G-60S-MPB | 60 | G-80S-J | 80 | *G-180S-F | 180 |
| G-34S-FSB | 34 | G-45S-MPB | 45 | G-60S-E | 60 | G-90S-MPB | 90 | *G-200S-F | 200 |
| G-36S-MPB | 36 | G-45S-E | 45 | G-63S-MPB | 63 | G-90S-J | 90 | | |

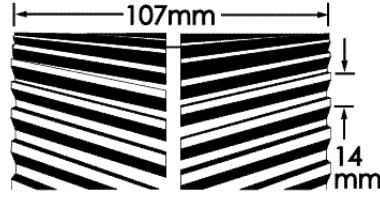
*Special lightweight design. Contact Goodyear to ensure suitability for your application.
 Sprockets with MPB (Minimum Plain Bore) are specified when the sprocket does not allow room for a bushing that will handle the maximum load.
 FSB = Finish Stock Bore
 See page 13 for sizing information.



EAGLE Pd™ SPROCKETS



ORANGE



RED

EAGLE Pd™ **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-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 | | |

EAGLE Pd™ **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 Pd™ **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 13 for sizing information.

EAGLE *Pd*[™]

FINISHED STOCK BORE SIZES

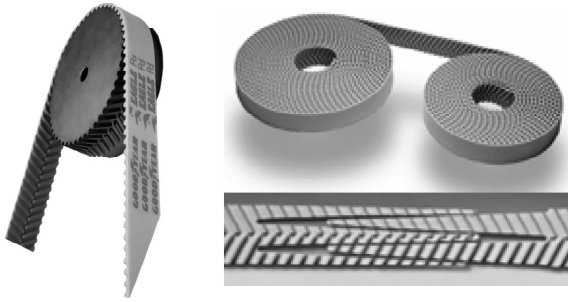
| Sprocket Size | Stock Bore Sizes (in.) | | | | | | | |
|---------------|------------------------|--------|--------|--------|--------|--------|--------|--------|
| | 7/8" | 1 1/8" | 1 3/8" | 1 5/8" | 1 7/8" | 2 1/8" | 2 3/8" | 2 7/8" |
| Y-18S | X | | | | | | | |
| W-18S | X | | | | | | | |
| Y-20S | 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



EAGLE Pd™ ACCULINEAR®

SYNCHRONOUS



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

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

THE BENEFITS OF EAGLE Pd... 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 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 sprockets can be used on slider bed applications where flanges would normally protrude above the bed surface.

LOW VIBRATION

Eagle Pd 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.

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.

H.O.T. GEOMETRY DELIVERS QUIETER DRIVE

This innovative polyurethane belt and sprocket system uses proprietary Goodyear technology to deliver noise levels far below the industry standard. The unique design of Eagle Pd 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.

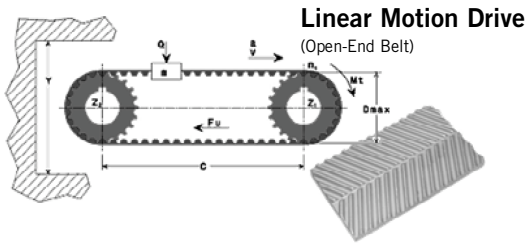
The tension members are high tensile steel and offer excellent dimensional stability for accurate positioning and less maintenance.

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

EAGLE PdTM ACCULINEAR[®]

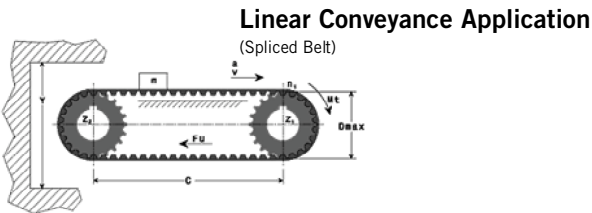
OPEN-END BELT CONFIGURATION

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.



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 conveyer applications, where long endless belts are required.



SPROCKETS

Eagle Pd 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 Pd product. The only exception is with the "M" (25 mm width) and the "L" (50 mm 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 Sprocket" section for more information.

SPECIAL BELT CONSTRUCTIONS

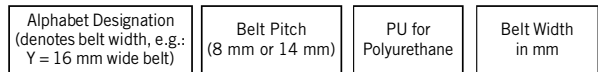
In addition to the standard belt construction (polyurethane backing material), Eagle Pd Acculinear is available in a variety of special constructions. Several materials can be applied to the back of the belt to enhance its performance in specific drive environments. These backing materials are typically 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 PdTM Acculinear[®] is available in 8 standard widths (in 8 and 14 mm pitch configurations)

Sample Part Number
Y - 8 - PU - 16 - STD
Belt Type: Open-end
Belt Length: 800 mm

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



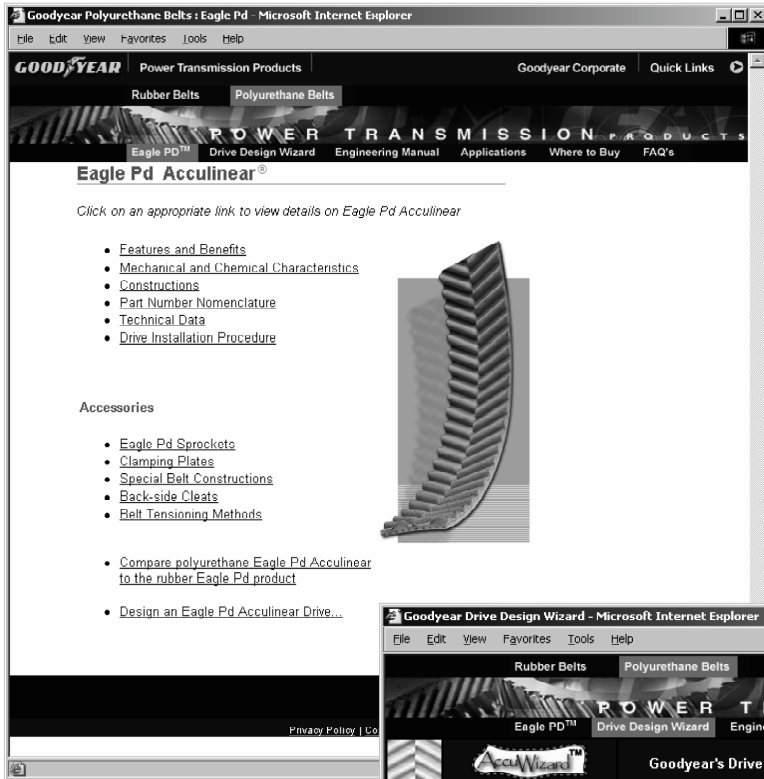
| | | | | | | | |
|----|---|---|----|---|----|---|------|
| 1: | Y | - | 8 | - | PU | - | 16 |
| 2: | M | - | 8 | - | PU | - | 25 |
| 3: | W | - | 8 | - | PU | - | 32 |
| 4: | L | - | 8 | - | PU | - | 50 |
| 5: | B | - | 14 | - | PU | - | 35 |
| 6: | G | - | 14 | - | PU | - | 52.5 |
| 7: | O | - | 14 | - | PU | - | 70 |
| 8: | R | - | 14 | - | PU | - | 105 |

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



EAGLE *Pd*™ ACCULINEAR®

SYNCHRONOUS



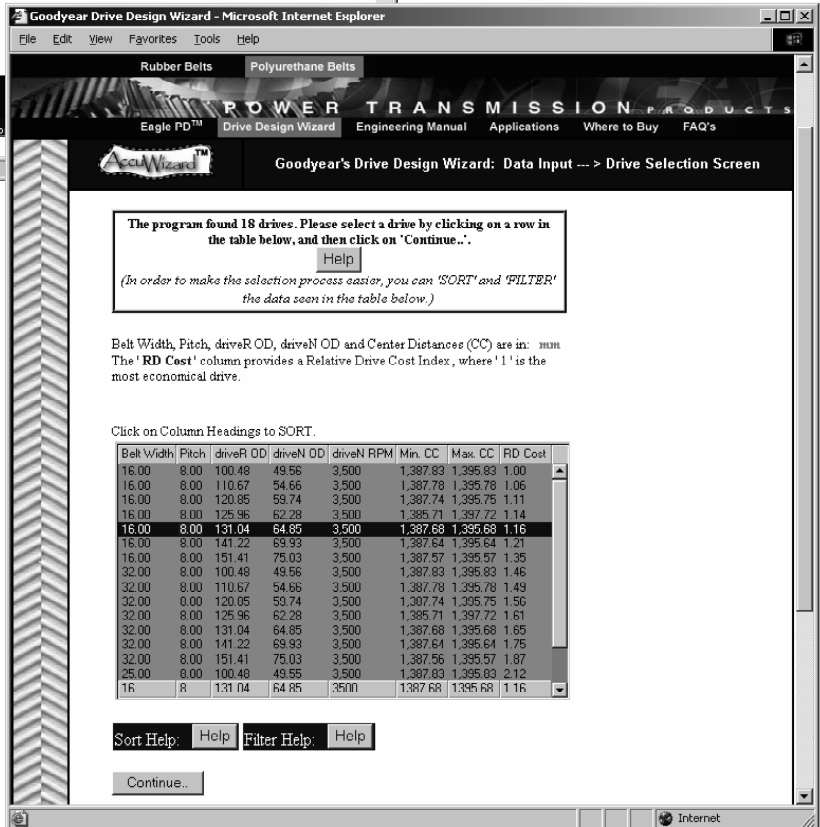
GOODYEAR'S POLYURETHANE WEB SITE: WWW.ACCUBELT.COM

The Web site for Goodyear's polyurethane products is a comprehensive one-stop location for information and product-related resources. It provides complete information on all aspects of the drive system: the belt, sprockets, clamping plates, special constructions, tensioning, application information, etc. Product-related engineering manuals and other resources can be easily viewed or downloaded in PDF file format.

ACCUWIZARD™ DRIVE DESIGN PROGRAM FOR POLYURETHANE BELTS

The Web site also has a user-friendly online analysis program that takes you step by step through the process of selecting the proper size and belt configuration.

The interactive AccuWizard program is a simple yet powerful tool that designs all aspects of the drive system: belt size, belt construction, sprockets, clamping plate, tensioning, etc. The program provides a detailed report at the end which can then be printed or e-mailed in PDF format.



Belt Width, Pitch, driveR OD, driveN OD and Center Distances (CC) are in mm. The 'RD Cost' column provides a Relative Drive Cost Index, where '1' is the most economical drive.

Click on Column Headings to SORT.

| Belt Width | Pitch | driveR OD | driveN OD | driveN RPM | Min. CC | Max. CC | RD Cost |
|------------|-------|-----------|-----------|------------|----------|----------|---------|
| 16.00 | 8.00 | 100.48 | 49.56 | 3.500 | 1,387.83 | 1,395.83 | 1.00 |
| 16.00 | 8.00 | 110.67 | 54.66 | 3.500 | 1,387.78 | 1,395.78 | 1.06 |
| 16.00 | 8.00 | 120.85 | 59.74 | 3.500 | 1,387.74 | 1,395.75 | 1.11 |
| 16.00 | 8.00 | 125.96 | 62.28 | 3.500 | 1,385.71 | 1,397.72 | 1.14 |
| 16.00 | 8.00 | 131.04 | 64.85 | 3.500 | 1,387.68 | 1,395.68 | 1.16 |
| 16.00 | 8.00 | 141.22 | 69.93 | 3.500 | 1,387.64 | 1,395.64 | 1.21 |
| 32.00 | 8.00 | 100.48 | 49.56 | 3.500 | 1,387.83 | 1,395.83 | 1.46 |
| 32.00 | 8.00 | 110.67 | 54.66 | 3.500 | 1,387.78 | 1,395.78 | 1.49 |
| 32.00 | 0.00 | 120.85 | 59.74 | 3.500 | 1,307.74 | 1,395.75 | 1.56 |
| 32.00 | 8.00 | 125.96 | 62.28 | 3.500 | 1,385.71 | 1,397.72 | 1.61 |
| 32.00 | 8.00 | 131.04 | 64.85 | 3.500 | 1,387.68 | 1,395.68 | 1.65 |
| 32.00 | 8.00 | 141.22 | 69.93 | 3.500 | 1,387.64 | 1,395.64 | 1.75 |
| 32.00 | 8.00 | 151.41 | 75.03 | 3.500 | 1,387.56 | 1,395.57 | 1.87 |
| 25.00 | 8.00 | 100.48 | 49.55 | 3.500 | 1,387.83 | 1,395.83 | 2.12 |
| 16 | R | 131.04 | 64.85 | 3500 | 1,387.68 | 1,395.68 | 1.16 |



EAGLE PdTM ACCULINEAR[®]

EAGLE PdTM SPROCKETS FOR 25MM WIDE BELT

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

| Sprocket Part Number | Hub* | Bore Range (inches) | | No. of Teeth | Type* | Pitch Diameter (inches) | O | I | E | H | T | L | Material | Wt. (lbs) | Approx. WR ² (lbs.-ft ²) |
|----------------------|------|---------------------|--------|--------------|-------|-------------------------|----------------------------------|--------|--------|--------|--------|--------|----------|-----------|---|
| | | MIN. | MAX. | | | | (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 PdTM SPROCKETS FOR 50MM WIDE BELT

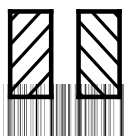
Sprocket Face Width (F) = 51 mm, Pitch = 8 mm

| Sprocket Part Number | Hub* | Bore Range (inches) | | No. of Teeth | Type* | Pitch Diameter (inches) | O | I | E | H | T | L | Material | Wt. (lbs) | Approx. WR ² (lbs.-ft ²) |
|----------------------|------|---------------------|-------|--------------|-------|-------------------------|----------------------------------|--------|--------|--------|--------|--------|----------|-----------|---|
| | | MIN. | MAX. | | | | (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.

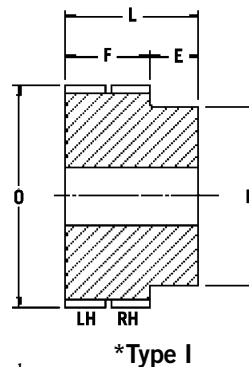
Notes:

1. Al = Aluminum (uncoated).
2. Sprockets are only available in MPB.
3. The "L" (50 mm width) and "M" (25 mm 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 Goodyear for sprocket sizes and materials not listed in this manual.

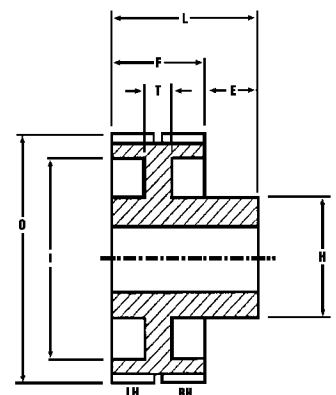


LH is the left-hand helix.
RH is the right-hand helix.

Note: For proper installation, orientation of teeth must be in the same direction on all sprockets in the drive.



*Type I



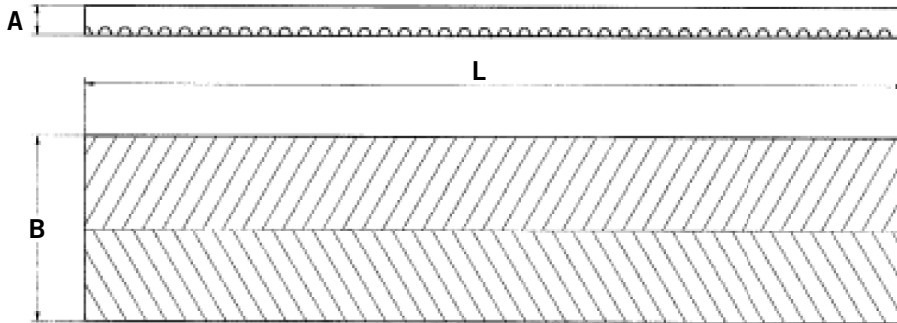
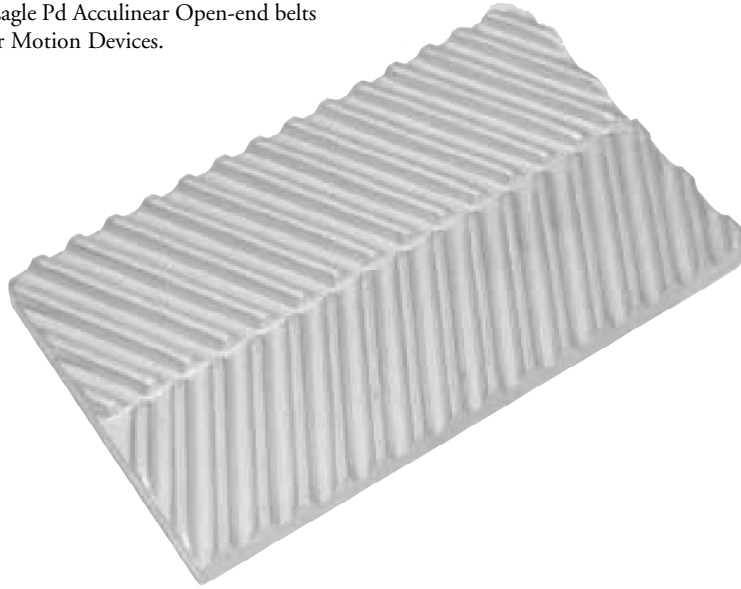
*Type II Web



EAGLE Pd™ ACCULINEAR®

ACCULINEAR® CLAMPING PLATES

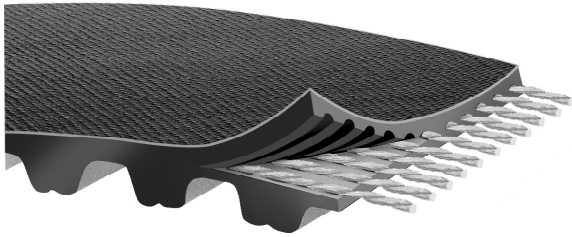
Clamping Plates are available for Eagle Pd Acculinear Open-end belts to allow them to be used in Linear Motion Devices.



| | Belts | Clamping Plates | | | | Part Number |
|----|--------------|-----------------|--------|--------|----------|----------------------------------|
| | | A (mm) | B (mm) | L (mm) | Material | |
| 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

FALCON Pd™



Part No: 8GTR-640-12
 8 8 mm Pitch Length
 GTR Falcon Belt
 640 640 mm Pitch
 12 12 mm Width

A DROP-IN REPLACEMENT FOR GATES POLY CHAIN GT 2* POLY BELTS

Falcon Pd is a synchronous belt designed to fit Falcon Pd or Poly Chain GT 2* sprockets. This drop-in alternative delivers real value with each application.

BELT MATERIALS THAT LAST LONGER

Falcon Pd belts feature a patented high-grade rubber compound. This compound is formulated to resist deformity and increase tooth rigidity, increasing belt life and decreasing replacement costs. Features such as static dissipating facing and resistance to abrasion handle the demands of the strain of synchronous drive systems.

LOWER MAINTENANCE COSTS

Falcon Pd belts do not require lubrication. There is also no need for retensioning like there is for V-belts and chain belts. Install Falcon Pd and reduce your maintenance costs.

QUIET OPERATION

Falcon Pd also offers a decrease in operating noise. Tests show 1 dB to 4 dB quieter operation than comparable Poly Chain GT 2 belts.

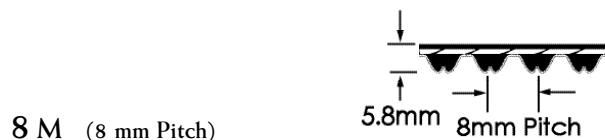
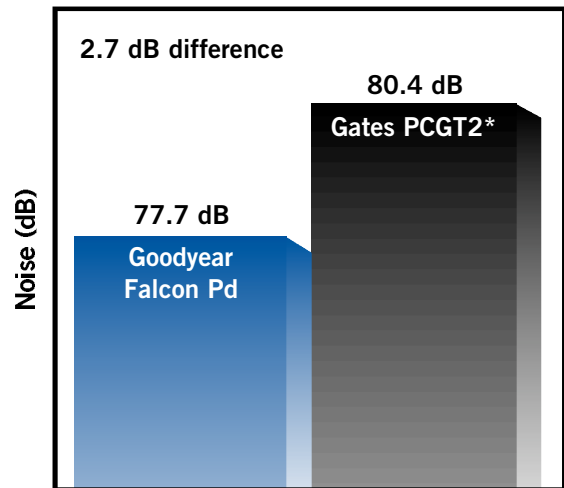
APPLICATIONS

Any application where a chain drive could be used. Can also be used with a backside idler when needed, allowing for additional applications. Drop in replacement where Gates Poly Chain GT 2 is used.

KEY FEATURES & BENEFITS

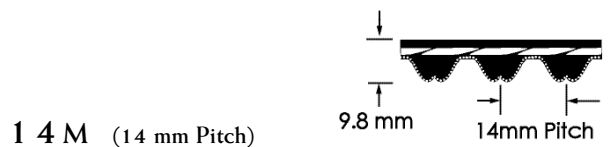
- Size for size “drop in” convenience. Example: Goodyear 8GTR-640-21 = Gates 8MGT-640-21
- Tests show 1 dB to 4 dB quieter operation than comparable Poly Chain GT 2 belts.
- Exceptional tensile strength for premium performance.
- Rubber construction provides better resistance to flex fatigue.
- Versatility in a wide range of operating temperatures.

TYPICAL APPLICATION NOISE LEVELS



| 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



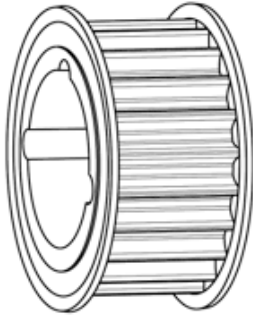
| Pitch Length (mm) | Pitch Length (mm) | Pitch Length (mm) |
|-------------------|-------------------|-------------------|
| 994 | 1890 | 2800 |
| 1120 | 1960 | 3136 |
| 1190 | 2100 | 3304 |
| 1260 | 2240 | 3500 |
| 1400 | 2380 | 3920 |
| 1568 | 2520 | 4410 |
| 1750 | 2660 | |

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

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



FALCON Pd™ SPROCKETS



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

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

SYNCHRONOUS

COMPACT DRIVES WITH HIGH PERFORMANCE

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

Falcon Pd 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 Pd 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 **DRIVE>CHANGE**

With Falcon Pd belts and sprockets, you get more of what you pay for with each energy dollar. This is especially true when Falcon Pd 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.

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 Pd belts are specified or desired.

System is backside idler compatible allowing for additional applications.

KEY FEATURES & BENEFITS

- Goodyear GTR-22G-8M-12 replaces 8MX-22S-12
- "Drop-In" convenience for existing Poly Chain GT 2* drives
- Cast iron or steel construction
- Stock on most popular application sizes. Other sizes available as special order.

QUIETER, MORE FLEXIBLE DRIVE SYSTEM

Falcon Pd belt and sprocket systems also offer a decrease in operating noise. Tests show 1 dB to 4 dB quieter operation than comparable Poly Chain GT 2* belt systems.

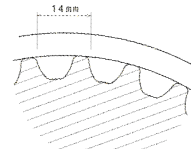
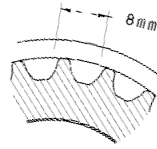
Proprietary rubber construction provides better resistance to flex fatigue and versatility in a wide range of operating temperatures.

A SYSTEM THAT WORKS WITH LESS MAINTENANCE

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

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

FALCON Pd™ SPROCKETS



8 M

| 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-40G-8M-21 | 40 | 8MX-40S-21 | GTR-80G-8M-36 | 80 | 8MX-80S-36 |
| GTR-25G-8M-12 | 25 | 8MX-25S-12 | GTR-45G-8M-21 | 45 | 8MX-45S-21 | GTR-90G-8M-36 | 90 | 8MX-90S-36 |
| GTR-28G-8M-12 | 28 | 8MX-28S-12 | GTR-48G-8M-21 | 48 | 8MX-48S-21 | GTR-112G-8M-36 | 112 | 8MX-112S-36 |
| GTR-30G-8M-12 | 30 | 8MX-30S-12 | GTR-50G-8M-21 | 50 | 8MX-50S-21 | GTR-140G-8M-36 | 140 | 8MX-140S-36 |
| GTR-32G-8M-12 | 32 | 8MX-32S-12 | GTR-56G-8M-21 | 56 | 8MX-56S-21 | GTR-168G-8M-36 | 168 | - |
| GTR-34G-8M-12 | 34 | 8MX-34S-12 | GTR-60G-8M-21 | 60 | 8MX-60S-21 | GTR-192G-8M-36 | 192 | - |
| GTR-36G-8M-12 | 36 | 8MX-36S-12 | GTR-64G-8M-21 | 64 | - | GTR-30G-8M-62 | 30 | - |
| GTR-38G-8M-12 | 38 | 8MX-38S-12 | GTR-75G-8M-21 | 75 | 8MX-75S-21 | GTR-32G-8M-62 | 32 | - |
| GTR-40G-8M-12 | 40 | 8MX-40S-12 | GTR-80G-8M-21 | 80 | 8MX-80S-21 | GTR-34G-8M-62 | 34 | 8MX-34S-62 |
| GTR-45G-8M-12 | 45 | 8MX-45S-12 | GTR-90G-8M-21 | 90 | 8MX-90S-21 | GTR-36G-8M-62 | 36 | 8MX-36S-62 |
| GTR-48G-8M-12 | 48 | 8MX-48S-12 | GTR-112G-8M-21 | 112 | 8MX-112S-21 | GTR-38G-8M-62 | 38 | 8MX-38S-62 |
| GTR-50G-8M-12 | 50 | 8MX-50S-12 | GTR-140G-8M-21 | 140 | 8MX-140S-21 | GTR-40G-8M-62 | 40 | 8MX-40S-62 |
| GTR-56G-8M-12 | 56 | 8MX-56S-12 | GTR-25G-8M-36* | 25 | - | GTR-45G-8M-62 | 45 | 8MX-45S-62 |
| GTR-60G-8M-12 | 60 | 8MX-60S-12 | GTR-28G-8M-36* | 28 | - | GTR-48G-8M-62 | 48 | 8MX-48S-62 |
| GTR-64G-8M-12 | 64 | - | GTR-30G-8M-36 | 30 | - | GTR-50G-8M-62 | 50 | 8MX-50S-62 |
| GTR-75G-8M-12 | 75 | 8MX-75S-12 | GTR-32G-8M-36 | 32 | 8MX-32S-36 | GTR-56G-8M-62 | 56 | 8MX-56S-62 |
| GTR-80G-8M-12 | 80 | 8MX-80S-12 | GTR-34G-8M-36 | 34 | 8MX-34S-36 | GTR-60G-8M-62 | 60 | 8MX-60S-62 |
| GTR-90G-8M-12 | 90 | 8MX-90S-12 | GTR-36G-8M-36 | 36 | 8MX-36S-36 | GTR-64G-8M-62 | 64 | - |
| GTR-92G-8M-21 | 22 | 8MX-22S-21 | GTR-38G-8M-36 | 38 | 8MX-38S-36 | GTR-75G-8M-62 | 75 | 8MX-75S-62 |
| GTR-25G-8M-21 | 25 | 8MX-25S-21 | GTR-40G-8M-36 | 40 | 8MX-40S-36 | GTR-80G-8M-62 | 80 | 8MX-80S-62 |
| GTR-26G-8M-21 | 26 | 8MX-26S-21 | GTR-45G-8M-36 | 45 | 8MX-45S-36 | GTR-90G-8M-62 | 90 | 8MX-90S-62 |
| GTR-28G-8M-21 | 28 | 8MX-28S-21 | GTR-48G-8M-36 | 48 | 8MX-48S-36 | GTR-112G-8M-62 | 112 | 8MX-112S-62 |
| GTR-30G-8M-21 | 30 | 8MX-30S-21 | GTR-50G-8M-36 | 50 | 8MX-50S-36 | GTR-140G-8M-62 | 140 | 8MX-140S-62 |
| GTR-32G-8M-21 | 32 | 8MX-32S-21 | GTR-56G-8M-36 | 56 | 8MX-56S-36 | GTR-168G-8M-62 | 168 | - |
| GTR-34G-8M-21 | 34 | 8MX-34S-21 | GTR-60G-8M-36 | 60 | 8MX-60S-36 | GTR-192G-8M-62 | 192 | -- |
| GTR-36G-8M-21 | 36 | 8MX-36S-21 | GTR-64G-8M-36 | 64 | - | | | |
| GTR-38G-8M-21 | 38 | 8MX-38S-21 | GTR-75G-8M-36 | 75 | 8MX-75S-36 | | | |

14 M

| 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-28G-14M-68 | 28 | - | GTR-72G-14M-90 | 72 | - |
| GTR-56G-14M-20 | 56 | 14MX-56S-20 | GTR-29G-14M-68 | 29 | 14MX-29S-68 | GTR-80G-14M-90 | 80 | 14MX-80S-90 |
| GTR-60G-14M-20 | 60 | 14MX-60S-20 | GTR-30G-14M-68 | 30 | 14MX-30S-68 | GTR-90G-14M-90 | 90 | 14MX-90S-90 |
| GTR-64G-14M-20 | 64 | - | GTR-32G-14M-68 | 32 | 14MX-32S-68 | GTR-112G-14M-90 | 112 | 14MX-112S-90 |
| GTR-72G-14M-20 | 72 | - | GTR-34G-14M-68 | 34 | 14MX-34S-68 | GTR-140G-14M-90 | 140 | 14MX-140S-90 |
| GTR-80G-14M-20 | 80 | 14MX-80S-20 | GTR-36G-14M-68 | 36 | 14MX-36S-68 | GTR-168G-14M-90 | 168 | 14MX-168S-90 |
| GTR-90G-14M-20 | 90 | 14MX-90S-20 | GTR-38G-14M-68 | 38 | 14MX-38S-68 | GTR-192G-14M-90 | 192 | - |
| GTR-112G-14M-20 | 112 | 14MX-112-20 | GTR-40G-14M-68 | 40 | 14MX-40S-68 | GTR-38G-14M-125 | 38 | - |
| GTR-140G-14M-20 | 140 | 14MX-140S-20 | GTR-44G-14M-68 | 44 | - | GTR-40G-14M-125 | 40 | - |
| GTR-168G-14M-20 | 168 | 14MX-168S-20 | GTR-48G-14M-68 | 48 | 14MX-48S-68 | GTR-44G-14M-125 | 44 | - |
| GTR-28G-14M-37 | 28 | 14MX-28S-37 | GTR-50G-14M-68 | 50 | 14MX-50S-68 | GTR-48G-14M-125 | 48 | - |
| GTR-29G-14M-37 | 29 | 14MX-29S-37 | GTR-56G-14M-68 | 56 | 14MX-56S-68 | GTR-50G-14M-125 | 50 | 14MX-50S-125 |
| GTR-30G-14M-37 | 30 | 14MX-30S-37 | GTR-60G-14M-68 | 60 | 14MX-60S-68 | GTR-56G-14M-125 | 56 | 14MX-56S-125 |
| GTR-32G-14M-37 | 32 | 14MX-32S-37 | GTR-64G-14M-68 | 64 | - | GTR-60G-14M-125 | 60 | 14MX-60S-125 |
| GTR-34G-14M-37 | 34 | 14MX-34S-37 | GTR-72G-14M-68 | 72 | - | GTR-64G-14M-125 | 64 | - |
| GTR-36G-14M-37 | 36 | 14MX-36S-37 | GTR-80G-14M-68 | 80 | 14MX-80S-68 | GTR-72G-14M-125 | 72 | - |
| GTR-38G-14M-37 | 38 | 14MX-38S-37 | GTR-90G-14M-68 | 90 | 14MX-90S-68 | GTR-80G-14M-125 | 80 | 14MX-80S-125 |
| GTR-40R-14M-37 | 40 | 14MX-40R-37 | GTR-112G-14M-68 | 112 | 14MX-112S-68 | GTR-90G-14M-125 | 90 | 14MX-90S-125 |
| GTR-44G-14M-37 | 44 | - | GTR-140G-14M-68 | 140 | 14MX-140S-68 | GTR-112G-14M-125 | 112 | 14MX-112S-125 |
| GTR-48G-14M-37 | 48 | 14MX-48S-37 | GTR-168G-14M-68 | 168 | 14MX-168S-68 | GTR-140G-14M-125 | 140 | 14MX-140S-125 |
| GTR-50G-14M-37 | 50 | 14MX-50S-37 | GTR-192G-14M-68 | 192 | - | GTR-168G-14M-125 | 168 | 14MX-168S-125 |
| GTR-56G-14M-37 | 56 | 14MX-56S-37 | GTR-30G-14M-90 | 30 | - | GTR-192G-14M-125 | 192 | - |
| GTR-60G-14M-37 | 60 | 14MX-60S-37 | GTR-32G-14M-90 | 32 | - | | | |

All Falcon Pd Sprockets are taper bore.

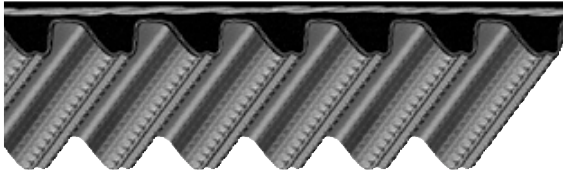
* MPB



SYNCHRONOUS



HAWK Pd™

NEW!

SYNCHRONOUS

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

A HIGH-PERFORMANCE SYNCHRONOUS BELT WITH A UNIVERSAL PROFILE

With its universal tooth profile, Hawk Pd is precisely designed and manufactured to fit virtually every existing high-capacity synchronous application. Goodyear provides universal fit with a belt that can fulfill most existing drive requirements in its class matching competitive offerings of belt width and length.

Sprocket compatibility with Gates HTP*, 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 Goodyear rubber compound. This compound is formulated to resist tooth deformity and increase tooth rigidity, increasing belt life and decreasing replacement costs. Compared to other belts in its class, Hawk Pd has a life expectancy that's 50% to 100% greater. Its chemical stability resists the effects of oils, coolants, heat, and ozone.

Hawk Pd belts are designed for higher loads and abrasion resistance, and to provide a reduced coefficient of friction so that the belt meshes easier with sprockets.

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 materials and tooth profile enable the teeth to engage the sprocket smoothly.

APPLICATIONS

Nearly every conceivable industrial drive application where precise 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 sprockets. Industry-compatible nomenclature.
- Quieter operation.
- High-grade Goodyear compound.
- Requires little, if any, retensioning and less drive maintenance.
- Oil, heat, ozone, and abrasion resistant.
- Designed for high-capacity performance.
- Higher horsepower rating and longer life 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.

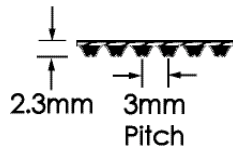
LOWER MAINTENANCE COSTS

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 belts. Install Hawk Pd and reduce your maintenance costs.

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

HAWK Pd™

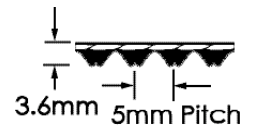
3 M Available Sizes



| Pitch Length (mm) | Pitch Length (mm) |
|-------------------|-------------------|
| 159* | 312* |
| 177* | 612* |
| 204* | 633* |
| 252* | 675* |
| 264* | 738* |

*Nonstock, made to order. Minimum quantities required.

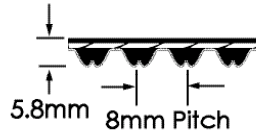
5 M Available Sizes



| 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

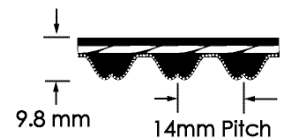
8 M Available Sizes



| 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

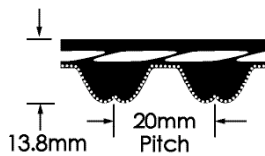
14 M Available Sizes



| 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

20 M Available Sizes



| Pitch Length (mm) | Pitch Length (mm) | Pitch Length (mm) |
|-------------------|-------------------|-------------------|
| 2000 | 4200 | 5400 |
| 2500 | 4600 | 5800 |
| 3400 | 5000 | 6200 |
| 2800 | 5200 | 6600 |

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

SYNCHRONOUS

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

For full product availability and specifications, please visit www.GOODYEARPTP.com or contact a Goodyear representative.

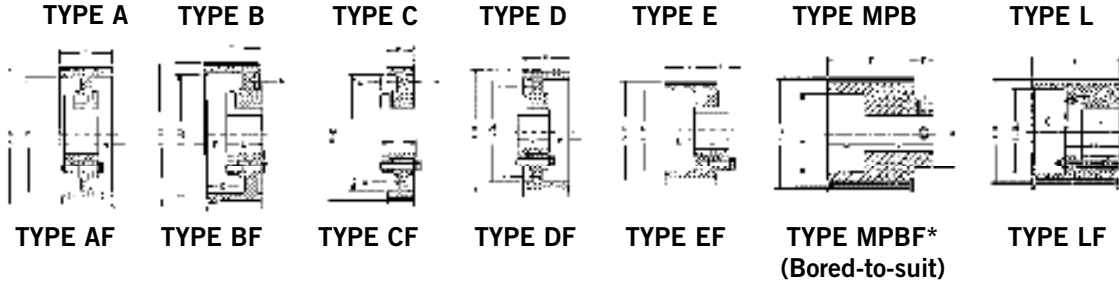
**HAWK Pd™****SYNCHRONOUS "QD" SPROCKET DIMENSIONS**

To be used with Goodyear Hawk Pd Synchronous Belting.

SPROCKET TYPES

The following types of sprockets are available for Hawk Pd Belts. Sketches are shown with the SureGrip¹ bushing in place.

SYNCHRONOUS

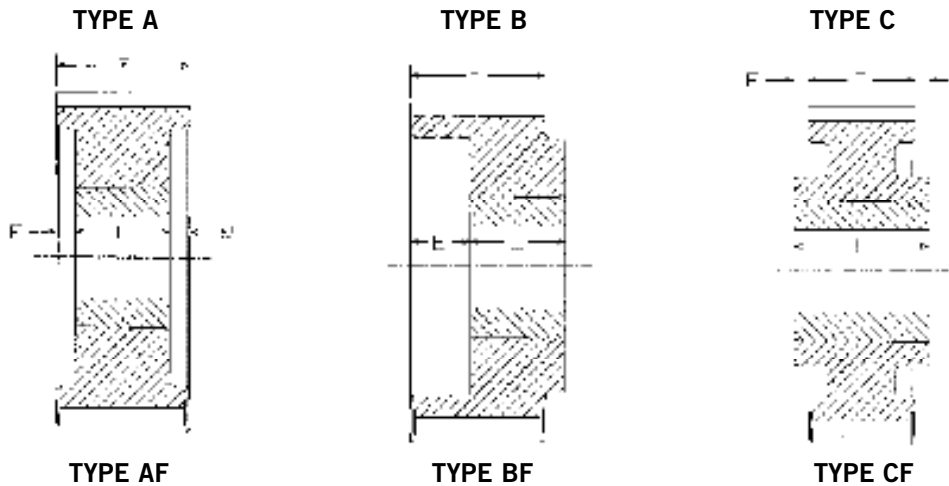


The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1=Solid, 2=Web, and 3=Arms), and the letter "F" indicates that the sprocket has flanges.

Note: "Type L" and "Type LF" are not available in 5M.

SYNCHRONOUS TAPER-LOCK² SPROCKET DIMENSIONS**SPROCKET TYPES**

The following types of sprockets are available for Hawk Pd Belts. Sketches are shown with the Taper-Lock bushing in place.



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1=Solid, 2=Web, and 3=Arms), and the letter "F" indicates that the sprocket has flanges.

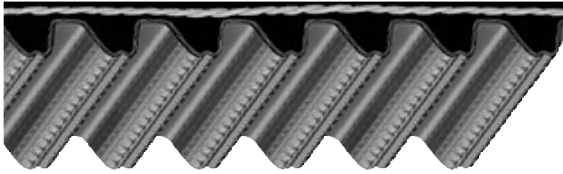
Note: Synchronous Taper-Lock available for 8M and 14M sizes only.

¹SUREGRIP is a trademark of TB Wood's Incorporated

²TAPER-LOCK is a trademark of Reliance Electric Company

For full product availability and specifications,
please visit www.GOODYEARPTP.com or contact a Goodyear representative.

BLACKHAWK Pd™



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

A HIGH-PERFORMANCE SYNCHRONOUS BELT WITH A UNIVERSAL PROFILE

For a curvilinear belt that offers maximum 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 makes 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. Its chemical stability resists the effects of oils, coolants, heat, and ozone.

Blackhawk Pd's Flexten tensile members provide excellent dimensional stability and high impact strength. Operating at a consistent tension, Blackhawk Pd requires little retensioning and less drive 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 and notably longer life.

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

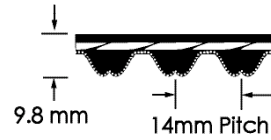
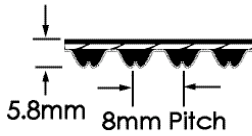
- Universal tooth profile drops into existing HTD and RPP sprockets.
- Quieter operation.
- High-grade Hibrex compound.
- Flexten tensile members provide excellent dimensional stability and high-impact strength.
- Requires little, if any, retensioning and less drive maintenance.
- Oil, heat, ozone, and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

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-belts and chain belts. Install Blackhawk Pd and watch your maintenance costs drop to practically nothing.



BLACKHAWK Pd™



8 M 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

14 M 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 |

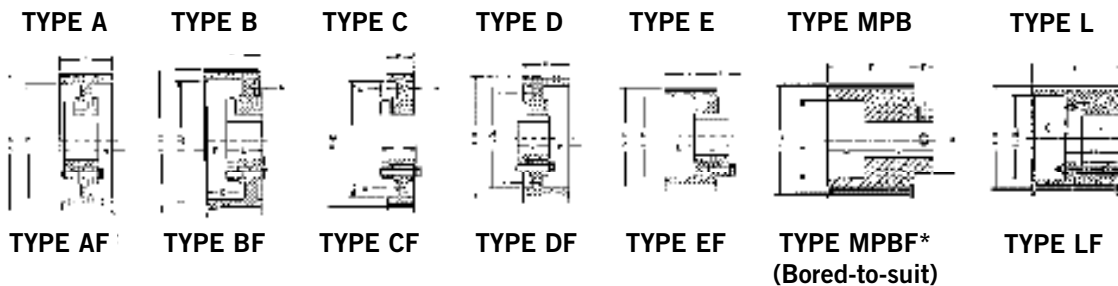
Stock Widths: 20mm, 42mm, 65mm, 90mm, 120mm

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

BLACKHAWK Pd™ SPROCKETS

SPROCKET TYPES

The following types of sprockets are available for Blackhawk Pd Belts. Sketches are shown with the SureGrip¹ bushing in place.



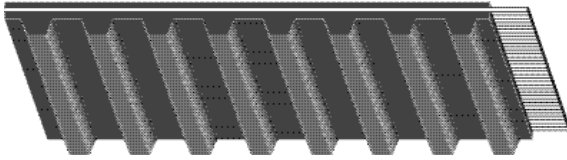
The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1=Solid, 2=Web, and 3=Arms), and the letter "F" indicates that the sprocket has flanges.

¹SUREGRIP is a trademark of TB Wood's Incorporated

²TAPER-LOCK is a trademark of Reliance Electric Company

For full product availability and specifications,
please visit www.GOODYEARPTP.com or contact a Goodyear representative.

POSITIVE DRIVE *Pd*TM



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's 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 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 wrapped in a long-wearing nylon facing, they run smoother, quieter, and longer.

ENGINEERED FOR FULL-POWER TRANSMISSION, SMOOTH OPERATION

Goodyear Positive Drive belts are made with Goodyear's world-class rubber technology which is specifically compounded to resist damaging environmental factors that can shorten belt life. Goodyear's 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 Positive Drive 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

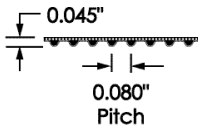
KEY FEATURES & BENEFITS

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



POSITIVE DRIVE Pd™

SYNCHRONOUS

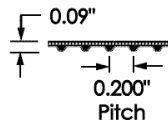


MXL (Mini Extra Light)

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

| 1/12" 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

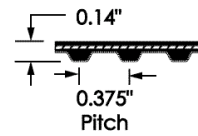


XL (Extra Light)

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

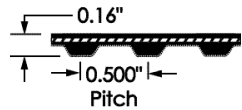


L (Light)

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

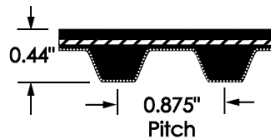


H (Heavy)

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

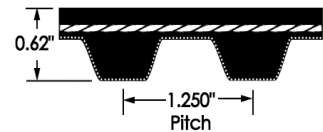


XH (Extra Heavy)

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

NEW!

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.

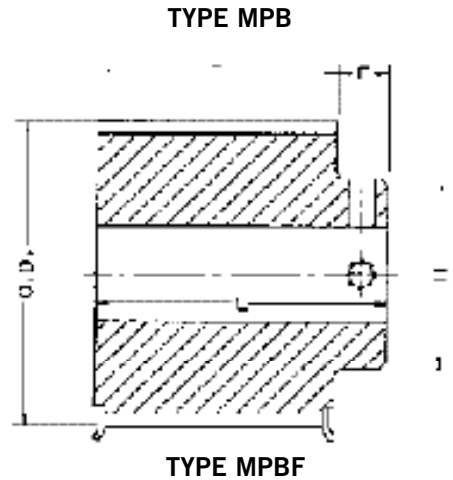
*Stock Widths: Use the three-digit size number as a suffix to the belt number when ordering.
Note: For nonstock sizes, contact your local Goodyear industrial products distributor.

POSITIVE DRIVE *Pd*TM

TIMING SPROCKET DIMENSIONS

The timing sprockets for XL Positive Drive Pd belts are all carried in stock with a minimum plain bore only but can be re-bored to any size within the bore range.

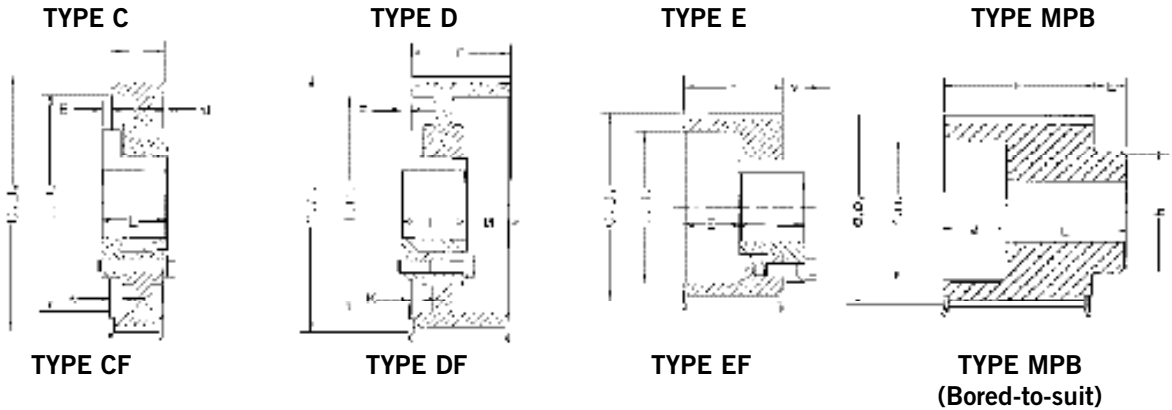
Constructions are available with solid (no web) or with web. Sprockets are also available with or without flanges.



SYNCHRONOUS

SPROCKET TYPES

The following types of sprockets are available for Positive Drive Pd belts. Sketches are shown with the SureGrip¹ bushing in place. Sprockets are available either solid, with webs, or with arms. They are also available with or without flanges.



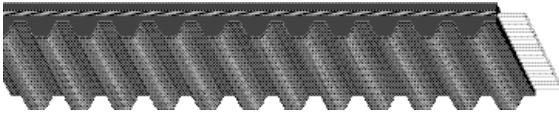
Note: Above sprockets are available for L, H, XH, and XXH belts.

¹SUREGRIP is a trademark of TB Wood's Incorporated

For full product availability and specifications, please visit www.GOODYEARPTP.com or contact a Goodyear representative.



SUPER TORQUE Pd™



Part No: 100S4.5M175

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

SYNCHRONOUS

BUILT FOR STRENGTH & ENDURANCE

The original Goodyear-designed 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 Goodyear's 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

The Goodyear 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 the Goodyear 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 power transmission products 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.

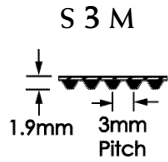
- Milling Machines
- Engine Accessory Drives
- Internal Combustion Engines
- Timers or Controllers
- Compressors
- Wood Chippers
- Conveyors
- Debarkers
- Lathes
- Shapers
- Textile Machinery
- Mixers

KEY FEATURES & BENEFITS

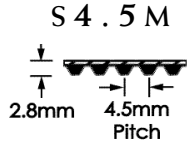
- Unique tooth profile for quiet tooth engagement.
- Improved horsepower capacity over standard HTD profiles.
- High-grade Goodyear compound.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- Oil, heat, ozone, and abrasion resistant.
- Mating sprockets required.
- Low-maintenance/high-efficiency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

SUPER TORQUE

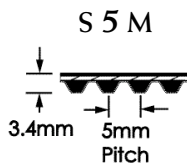
SYNCHRONOUS



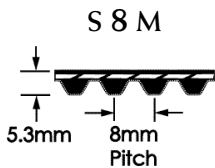
| Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| S3M120 | 40 | S3M252 | 84 | S3M363 | 121 | S3M501 | 167 |
| S3M150 | 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 | | |



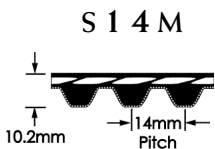
| Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| S4.5M175 | 39 | S4.5M247 | 55 | S4.5M306 | 68 | S4.5M504 | 112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



| 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 | | |



| 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 | | |



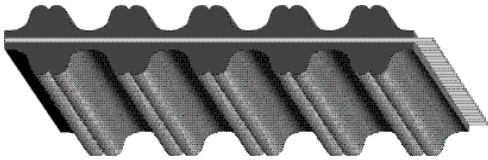
| Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| S14M1120 | 80 | S14M1778 | 127 | S14M2310 | 165 | S14M3500 | 250 |
| 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 |

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



DUAL HI-PERFORMANCE Pd™ & DUAL POSITIVE DRIVE

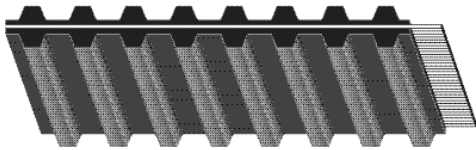
SYNCHRONOUS



DUAL HI-PERFORMANCE Pd™

Part No: D10408M20

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



DUAL POSITIVE DRIVE

Part No: D225L050

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

IMPROVED EFFICIENCY WITH DUAL SYNCHRONOUS BELTS

Goodyear's 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.

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 Goodyear compound.
- Fiberglass tension cords for excellent resistance to shrinkage/elongation.
- More compact drive designs.
- Oil, heat, ozone, and abrasion resistant.

DUAL POSITIVE DRIVE BELTS— XL, L, & H PROFILES

Goodyear 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.

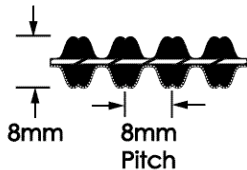
ADVANCED GOODYEAR COMPOUND TECHNOLOGY FOR LONG LIFE

Goodyear dual synchronous belts are made with the specialized Goodyear compound technology which is specially compounded 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.

DUAL HI-PERFORMANCE Pd™ & DUAL POSITIVE DRIVE

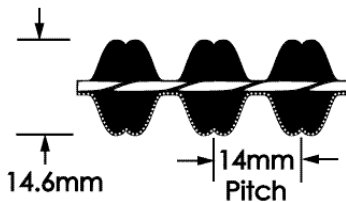
DUAL HI-PERFORMANCE Pd™

8 M



| 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 & 85 mm widths. | |
| D1760 8M | 220 | | |
| D1800 8M | 225 | | |

14 M



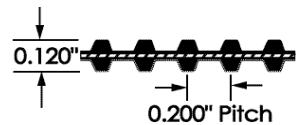
| Part Number | No. of Teeth | Part Number | No. of Teeth |
|-------------|--------------|--|--------------|
| D1400 14M | 100 | D3850 14M | 275 |
| D1610 14M | 115 | D4326 14M | 309 |
| D1778 14M | 127 | D4578 14M | 327 |
| D1890 14M | 135 | D6160 14M | 440 |
| D2100 14M | 150 | | |
| D2450 14M | 175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

DUAL POSITIVE DRIVE

XL (Extra Light)

1/5-inch pitch

For business machines, instruments, sound equipment, etc.



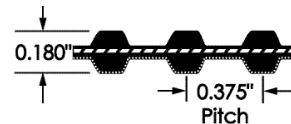
| XL Part Numbers | | |
|-----------------|--------|--------|
| D60XL | D170XL | D290XL |
| D70XL | D180XL | D300XL |
| D80XL | D190XL | D310XL |
| D90XL | D200XL | D330XL |
| D100XL | D210XL | D362XL |
| D110XL | D220XL | D392XL |
| D120XL | D230XL | D450XL |
| D130XL | D240XL | D492XL |
| D140XL | 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.



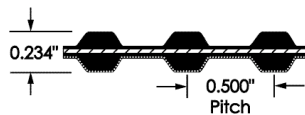
| L Part Numbers | | |
|----------------|-------|-------|
| D124L | D270L | D420L |
| D150L | D285L | D450L |
| D187L | D300L | D480L |
| D210L | D322L | D510L |
| D225L | D345L | D540L |
| D240L | D367L | D600L |
| D255L | D390L | D660L |

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

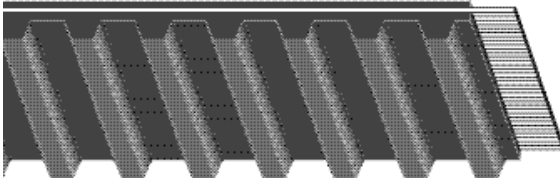
*Stock Widths: Use the three-digit size number as a suffix to the belt number when ordering. For nonstock sizes, contact your local Goodyear industrial products distributor.
Note: Other sizes available upon request.

SYNCHRONOUS



OPEN END Pd™

SYNCHRONOUS



Part No: XL 075

XL Pitch-Trapezoidal Tooth
075 .75" Wide

YOUR CHOICE FOR SPEED, ACCURACY & DEPENDABILITY

In power transmission or synchronization applications such as conveying, linear motion, or positioning, Goodyear 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 Open End Pd belts are available in Hawk Pd, Falcon Pd, 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

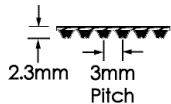
For synchronized applications.

- 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

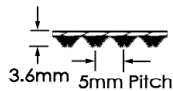
KEY FEATURES & BENEFITS

- 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.

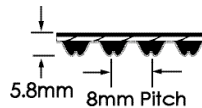
HAWK Pd™ (Round Tooth)



3 M



5 M



8 M

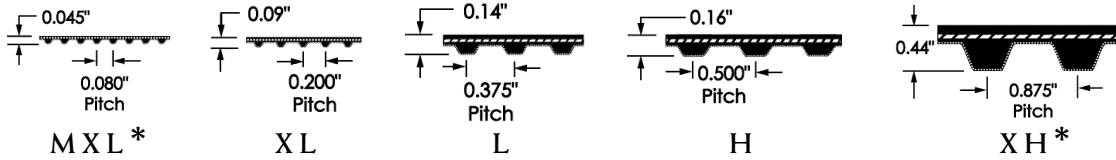


14 M

| Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) |
|----------|------------------|-----------------|----------|------------------|-----------------|----------|------------------|-----------------|
| 3M06 | 285 | 87 | 8M10 | 633 | 193 | 8M75 | 56 | 17 |
| 3M09 | 190 | 58 | 8M15 | 420 | 128 | 14M25 | 308 | 94 |
| 5M06 | 935 | 285 | 8M20 | 312 | 95 | 14M40 | 184 | 56 |
| 5M09 | 620 | 189 | 8M25 | 246 | 75 | 14M55 | 128 | 39 |
| 5M15 | 367 | 112 | 8M30 | 203 | 62 | 14M85 | 75 | 23 |
| 5M25 | 217 | 66 | 8M40 | 151 | 46 | 14M115 | 49 | 15 |
| | | | 8M50 | 92 | 28 | | | |

OPEN END Pd™

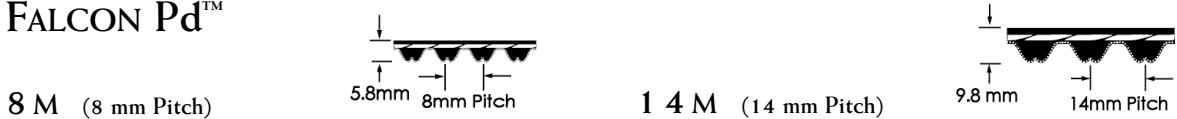
POSITIVE DRIVE (Trapezoidal Tooth)



| Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) |
|----------|------------------|-----------------|----------|------------------|-----------------|----------|------------------|-----------------|
| 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.

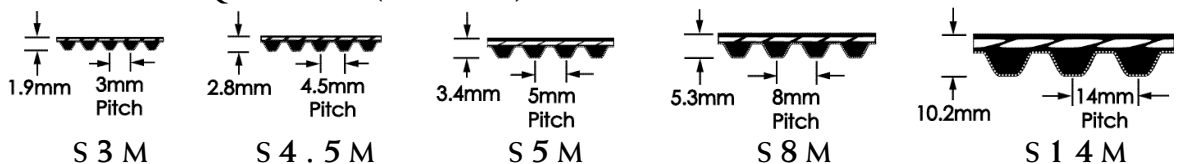
FALCON Pd™



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

| 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)



| 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)

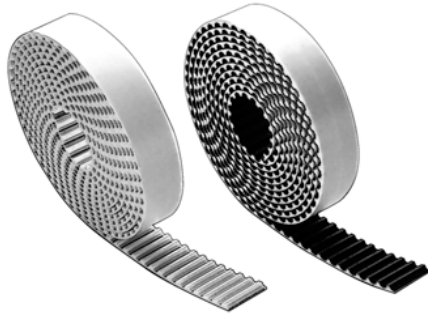
| Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) | Part No. | Roll Length (ft) | Roll Length (m) |
|----------|------------------|-----------------|----------|------------------|-----------------|----------|------------------|-----------------|
| 6T5 | 217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



POLYURETHANE BELTS

ELATECH* DISTRIBUTED BY GOODYEAR

SYNCHRONOUS



BELTING FOR A WIDE VARIETY OF APPLICATIONS

ELATECH distributed by Goodyear is a full line of polyurethane belting covering a full range of applications – linear motion, and 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.

Our product styles include:
ELATECH M – Open End
ELATECH V – Jointed
ELA-flex SD – Truly Endless

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.

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 application 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

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 deg. F. to 175 deg. F (peaks up to 230 deg. 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.

POLYURETHANE BELTS

ELATECH* DISTRIBUTED BY GOODYEAR

Available Sizes

T

| T2.5 | T5 | T10 | T20 |
|-------------|------------|------------|------------|
| Width (mm) | Width (mm) | Width (mm) | 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 | AT10 | AT20 |
|------------|-------------|-------------|
| Width (mm) | Width (mm) | 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 | | |

ATL

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

HTD

| HTD3M | HTD5M | HTD8M | HTD14M |
|--------------|--------------|--------------|---------------|
| Width (mm) | Width (mm) | Width (mm) | 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 | RTD8M | RTD14M |
|--------------|--------------|---------------|
| Width (mm) | Width (mm) | Width (mm) |
| 10 | 10 | 40 |
| 15 | 15 | 55 |
| 25 | 20 | 85 |
| 50 | 30 | 100 |
| 100 | 50 | 115 |
| | 85 | |
| | 100 | |

STD

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

FLAT

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

INCH

| XL | L | H | XH |
|------------|------------|------------|------------|
| Width (mm) | Width (mm) | Width (mm) | 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 | TK10-K13 |
|--------------|-----------------|
| Width (mm) | Width (mm) |
| 16 | 25 |
| 25 | 32 |
| 32 | 50 |
| 50 | 75 |
| 75 | 100 |
| 100 | |

ATK

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

100M (328 FT) roll standard.

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



BUSHINGS

SYNCHRONOUS

SureGrip¹ “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. SureGrip bushings have a very gradual taper (3/4-inch taper per ft. on the diameter) which is about half the inclined angle of many other bushings. The result is that the SureGrip securely clamps the shaft, with twice the force of those competitive bushings, to provide extreme holding power.

Versatile SureGrip 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 Goodyear, and to product lines of several other mechanical power transmission manufacturers.

SureGrip 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.

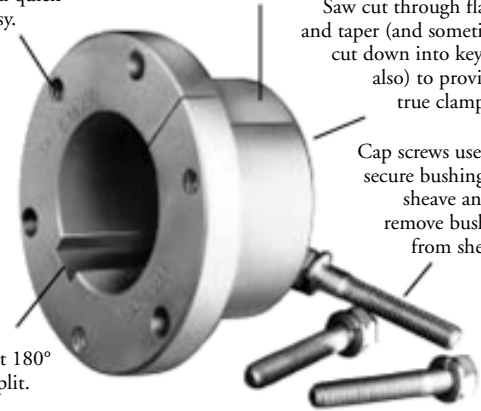
6-hole drilling (most sizes) makes installation and removal quick and easy.

Precise taper (3/4 in. per ft. on diameter) provides proper wedging action.

Saw cut through flange and taper (and sometimes cut down into keyway also) to provide a true clamp fit.

Cap screws used to secure bushings to sheave and to remove bushing from sheave.

Keyseat 180° from split.



| Available SureGrip Bushings | |
|-----------------------------|---|
| QT | F |
| JA | J |
| SH | M |
| SDS | N |
| SK | P |
| SF | W |
| E | S |

| Metric SureGrip Bushings | |
|--------------------------|------|
| QTMX | SKMX |
| JAMX | SFMX |
| SHMX | EMX |
| SDSMX | FMX |
| SDMX | |

| Available SureGrip 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 |

| SureGrip Idler Bushings & Replacement Bearings | |
|--|-------|
| SH-BB | SF-BB |
| SD-BB | E-BB |
| SK-BB | |

| SureGrip Short Bushings | |
|-------------------------|----|
| JS | PS |
| MS | WS |
| NS | |

¹SUREGRIP is a trademark of TB Wood's Incorporated

GENERAL PRODUCT INFO

SUREGRIP™ BUSHINGS

- SureGrip 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.
- SureGrip 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.

- SureGrip 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.

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. SureGrip 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-Belts and Sheaves | IP-20-1988 |
| Narrow V-Belts and Sheaves | IP-22-1991 |
| Synchronous Belts | IP-24-1983 |
| Curvilinear Toothed Synchronous Belts | IP-27-1997* |

* Updates to standard are currently under review.

SPECIAL CONSTRUCTIONS AVAILABLE

- Goodyear Power Transmission Products 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.

THE FOLLOWING ARE TRADEMARKS OF TB WOOD'S INCORPORATED

| | | | | |
|---------------|----------|-----------|-----------|------------|
| Dura-Flex | E-Trol | IST | S-trAC | Ultracon |
| Disc-O-Torque | FormFlex | NLS | Softron | Ultra-V |
| DST | HST | Roto-Cam | Sure-Flex | Var-A-Cone |
| E-trAC | IMD | Roto-Cone | SureGrip | |



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 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.

BANDED

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

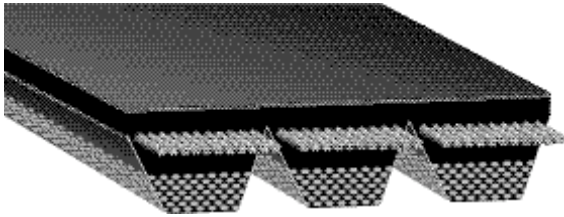
banded belts are ideally suited to handle many of the applications that have been reserved for chain or gears.

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.

TORQUE TEAM[®] (LAMINATED)



Part No: 3/5VL800

3/ 3 Rib Joined Construction
 5V .62" Top Width – Narrow Profile Rib
 L Laminated Construction
 800 80.0" Nominal Outside Length

SOLVE THE TOUGHEST SAWMILL DRIVE PROBLEMS

Goodyear 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 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 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

Goodyear 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. Some of the most common drives recommended for consideration include:

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

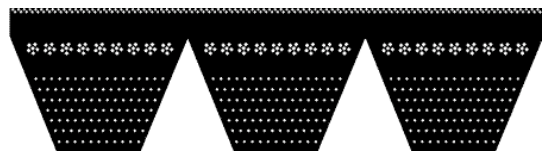
KEY FEATURES & BENEFITS

- 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 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.

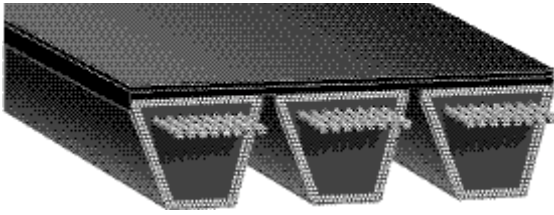
5VL CROSS SECTION VIEW



For longer 5V, as well as 3V and 8V laminated profiles not listed here, contact your Goodyear power transmission products distributor.



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

BANDED

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.

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

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.

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 Goodyear 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.

HY-T® WEDGE TORQUE TEAM®

MATCHMAKER® PERFORMANCE

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

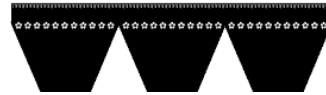
By eliminating mismatch problems, there is no costly and complicated belt matching to get a drive back on line; no problems with belts that are too tight or too loose.

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

BANDED

| 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 |

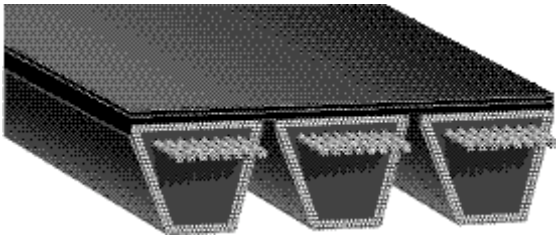
| Part Number | Max No. Ribs per Slab | Part Number | Max No. Ribs per Slab | Part Number | Max No. Ribs per Slab | Part Number | Max No. Ribs per Slab |
|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|
| 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 |

BANDED

PERFORMANCE PLUS FOR HIGH HORSEPOWER DRIVES

Torque Team Plus belts are Goodyear's 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 Goodyear 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.

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

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.

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.

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 | 5VF1320 | 42 | 5VF2000 | 42 | 5VF3000 | 42 |
| 5VF950 | 42 | 5VF1400 | 42 | 5VF2120 | 42 | 5VF3150 | 42 |
| 5VF1000 | 42 | 5VF1500 | 42 | 5VF2240 | 42 | 5VF3350 | 42 |
| 5VF1060 | 42 | 5VF1600 | 42 | 5VF2360 | 42 | 5VF3550 | 42 |
| 5VF1120 | 42 | 5VF1700 | 42 | 5VF2500 | 42 | | |
| 5VF1180 | 42 | 5VF1800 | 42 | 5VF2650 | 42 | | |
| 5VF1250 | 42 | 5VF1900 | 42 | 5VF2800 | 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.

B A N D E D



NARROW (ULTRA-V) SHEAVES

3 V Available Sizes

| Diameter (in) | | | | | |
|---------------|--------|------|-------------|-------|----------------|
| 2.20 | JA | 3.65 | SH | 6.50 | SH, SDS, SK |
| 2.35 | JA | 4.12 | SH | 6.90 | SH, SDS, SK |
| 2.50 | JA | 4.50 | SH, SDS | 8.00 | SDS, SK, SF |
| 2.65 | JA | 4.75 | SH, SDS, SK | 10.60 | SDS, SK, SF, E |
| 2.80 | JA | 5.00 | SH, SDS, SK | 14.00 | SK, SF, E |
| 3.00 | JA, SH | 5.30 | SH, SDS, SK | 19.00 | SK, SF, E |
| 3.15 | JA, SH | 5.60 | SH, SDS, SK | 25.00 | SF, E, F |
| 3.35 | JA, SH | 6.00 | SH, SDS, SK | 33.50 | SF, E, F |

5 V Available Sizes

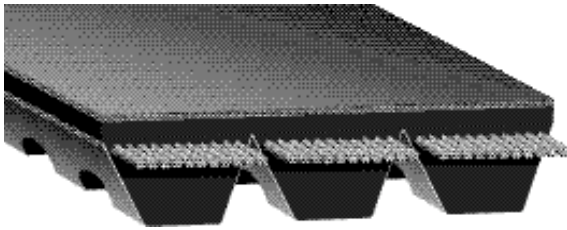
BANDED

| Diameter (in) | | | | | |
|---------------|-------------|-------|--------------|-------|-------------|
| 4.40 | SH, SDS, SD | 8.50 | SK, SF, E | 15.00 | SF, E, F, J |
| 4.65 | SDS, SD | 9.00 | SK, SF, E, F | 16.00 | SF, E, F, J |
| 4.90 | SDS, SD | 9.25 | SK, SF, E, F | 18.70 | SF, E, F, J |
| 5.20 | SDS, SD | 9.75 | SK, SF, E, F | 21.20 | SF, E, F, J |
| 5.50 | SDS, SD | 10.30 | SK, SF, E, F | 23.60 | E, F, J, M |
| 5.90 | SDS, SD, SK | 10.90 | SK, SF, E, F | 28.00 | E, F, J, M |
| 6.30 | SK | 11.30 | SK, SF, E, F | 31.50 | F, J, M |
| 6.70 | SK, SF | 11.80 | SK, SF, E, F | 37.50 | F, J, M |
| 7.10 | SK, SF | 12.50 | SF, E, F, J | 50.00 | F, J, M |
| 7.50 | SK, SF | 13.20 | SF, E, F, J | | |
| 8.00 | SK, SF, E | 14.20 | SF, E, F, J | | |

8 V Available Sizes

| Diameter (in) | | | | | |
|---------------|---------|-------|------------|-------|------------|
| 12.50 | F, J, M | 19.00 | F, J, M, N | 40.00 | M, N, P |
| 13.20 | F, J, M | 20.00 | J, M, N | 44.50 | M, N, P |
| 14.00 | F, J, M | 21.20 | J, M, N | 53.00 | M, N, P, W |
| 15.00 | F, J, M | 22.40 | J, M, N | 63.00 | P, W |
| 16.00 | F, J, M | 24.80 | M, N | 71.00 | P, W |
| 17.00 | F, J, M | 30.00 | M, N, P | | |
| 18.00 | F, J, M | 35.50 | M, N, P | | |

HY-T[®] TORQUE TEAM[®] (CLASSICAL)



Part No: 3/BX112

- 3/ 3 Rib Joined Construction
- B .66" Top Width – Classical Profile Rib
- X Premium Cogged Construction
- 112 Approximate 112" Inside Length
- Cut-Edge, Molded Cog Construction Shown

DESIGNED & BUILT TO DELIVER SUPERIOR PERFORMANCE

HY-T Torque Team Classical belts are built with super 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 Goodyear technology compound that contributes heat and oil resistance and strength.

WEDGE OR ENVELOPE CONSTRUCTION PROVIDE OPTIMUM PERFORMANCE

HY-T Torque Team Classical 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 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.

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.
- Oil, heat, ozone, and abrasion resistant.
- Matchmaker to eliminate mismatch.
- Static conductive.

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

Goodyear's Matchmaker technology results in belt consistency run to run. That means each HY-T Torque Team Classical belt is identical 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.



HY-T® TORQUE TEAM® (CLASSICAL)



ENVELOPE
CROSS SECTION



CUT-EDGE
CROSS SECTION



CUT-EDGE
SIDE VIEW

B PROFILE

BANDED

| 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 | | |

"A/B" CLASSICAL (CONVENTIONAL) SHEAVES

A/B Available Sizes

| Diameter (in) | | | | | |
|---------------|-------------|-----|-----------------|------|----------------|
| 3.4 | SH, SD | 5.6 | SDS, SD, SK | 9.4 | SDS, SK, SF, E |
| 3.6 | SH, SD | 5.8 | SDS, SD, SK | 11.0 | SDS, SK, SF, E |
| 3.8 | SH, SD | 6.0 | SDS, SD, SK, SF | 12.4 | SDS, SK, SF, E |
| 4.0 | SH, SD | 6.2 | SDS, SD, SK, SF | 13.6 | SDS, SK, SF, E |
| 4.2 | SH, SD | 6.4 | SDS, SD, SK, SF | 15.4 | SK, SF, E, F |
| 4.4 | SH, SD | 6.6 | SDS, SD, SK, SF | 16.0 | SK, SF, E, F |
| 4.6 | SDS, SD | 6.8 | SDS, SD, SK, SF | 18.4 | SK, SF, F |
| 4.8 | SDS, SD | 7.0 | SDS, SK, SF | 20.0 | SK, SF, E, F |
| 5.0 | SDS, SD | 7.4 | SDS, SK, SF | 25.0 | SF, E, F |
| 5.2 | SDS, SD | 8.0 | SDS, SK, SF | 30.0 | SF, E, F |
| 5.4 | SDS, SD, SK | 8.6 | SDS, SK, SF, E | 38.0 | SF, E, F, J |

A/B (LARGE BORE) Available Sizes

| Diameter (in) | | | | | |
|---------------|----|-----|----|------|----|
| 5.6 | SF | 7.0 | SF | 9.4 | SF |
| 6.0 | SF | 8.0 | SF | 11.0 | SF |
| 6.8 | SF | 8.6 | SF | 15.4 | SF |

C Available Sizes

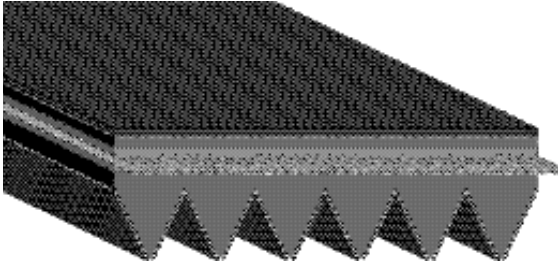
| Diameter (in) | | | | | |
|---------------|-------------|------|-------------|------|----------------|
| 5.0 | SD | 9.5 | SF, E, F, J | 18.0 | SF, E, F, J |
| 5.6 | SD | 10.0 | SF, E, F, J | 20.0 | SF, E, J, M |
| 6.0 | SF | 10.5 | SF, E, F, J | 24.0 | SF, E, F, J, M |
| 7.0 | SF | 11.0 | SF, E, F, J | 27.0 | F, J |
| 7.5 | SF | 12.0 | SF, E, F, J | 30.0 | F, J, M |
| 8.0 | SF, E | 13.0 | SF, E, F, J | 36.0 | F, J, M |
| 8.5 | SF, E | 14.0 | SF, E, F, J | 44.0 | F, J, M |
| 9.0 | SF, E, F, J | 16.0 | SF, E, F, J | 50.0 | F, J, M |

D Available Sizes

| Diameter (in) | | | | | |
|---------------|---------|------|---------|------|------------|
| 12.0 | F, J, M | 15.5 | F, J, M | 24.0 | J, M |
| 13.0 | F, J, M | 16.0 | F, J, M | 27.0 | J, M |
| 13.5 | F, J, M | 17.0 | J, M | 33.0 | J, M, N |
| 14.0 | F, J, M | 18.0 | J, M | 40.0 | J, M, N |
| 14.5 | F, J, M | 20.0 | J, M | 48.0 | J, M, N, P |
| 15.0 | F, J, M | 22.0 | J, M | 58.0 | M, N, P |



POLY-V



Part No: 180J6
 18.0" Nominal Outside Length
 J J Section Poly-V
 6 6 Ribs

B A N D E D

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 perfectly 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.

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.
- Oil, heat, ozone, and abrasion resistant.

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.

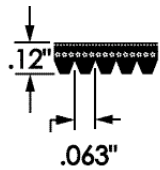
Even distribution of stress on the belt also reduces differential loading and wear on sheaves. It's not unusual for Poly-V belt sheaves to last significantly longer than standard V-belt sheaves and to experience lower maintenance requirements during this longer life.

IMPROVE DRIVE DESIGN WHILE YOU REDUCE DRIVE COST

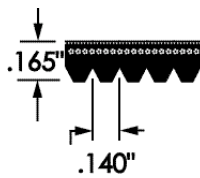
The combination of high-power capacity and low-profile design means the Poly-V drive can improve the drive design while lowering drive costs.

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

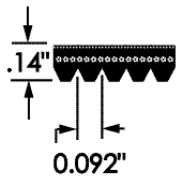


K SECTION

H and K Sections are nonstock. Standard factory lead times will apply. Minimums apply. Contact your local Goodyear power transmission products distributor.

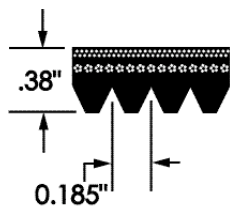
Stock Construction: No minimum quantity required. Can order any number of ribs up to maximum number of ribs per belt (Max Ribs/Belt) shown below.

J SECTION



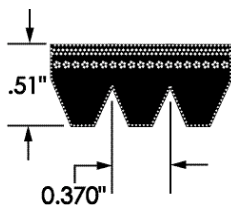
| Part Number | Max Ribs/Belt | Part Number | Max Ribs/Belt | Part Number | Max Ribs/Belt |
|-------------|---------------|-------------|---------------|-------------|---------------|
| 180J | 68 | 610J | 68 | 353J* | 145 |
| 190J | 68 | 650J | 68 | 420J* | 145 |
| 200J | 68 | 730J | 68 | 444J* | 68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

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 | | |

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 | | |

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

B A N D E D



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.

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.

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 Goodyear's V-belt engineering manual 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 classical belt line also. As the name implies, these belts are used

singly on drives of 1 hp or less.

COGGED, RAW-EDGE V-BELT CONSTRUCTION VS. ENVELOPE CONSTRUCTION

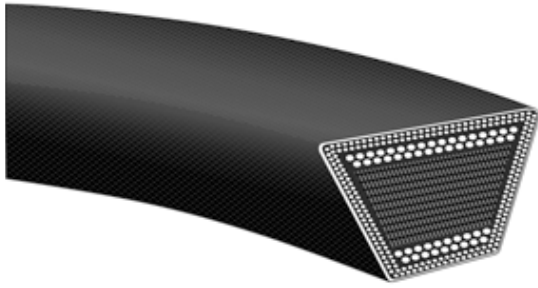
Goodyear has a complete offering of cogged, raw-edge belts in narrow, classical, and FHP styles. Designated 3VX, 5VX, AX, BX, CX, 4L, and 5L, cogged, raw-edge V-belts have higher capacity and efficiency, and they use smaller sheaves than traditional envelope (wrapped) belts. These belts have a higher 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 prob-

lem 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

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 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's standard multiple V-belts as shown in Goodyear's Multiple 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.

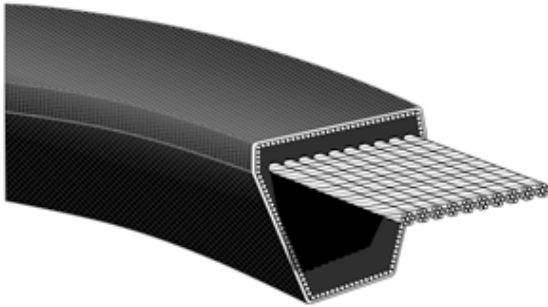
V - B E L T

| Regular Construction | Cut Lengths |
|----------------------|-------------|
| A Section | A Section |
| B Section | B Section |
| C 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.



HY-T® WEDGE



Part No: 5V1400

5V .62" Top Width – Narrow Profile
1400 140.0" Nominal Outside Length
Envelope Uncogged Construction Shown

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

The savings continue through the higher horsepower capacity provided by Goodyear 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 is so strong that small sheave diameters aren't a problem. It's often 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 in a single length code is identical in size and performance to every other HY-T Wedge belt in that size, no matter when or where it was produced.

APPLICATIONS

Narrow profile belts for compact, high horsepower drives and 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.
- Oil, heat, ozone, and abrasion resistant.
- Available in raw-edge construction with cogs or envelope construction.
- Matchmaker to eliminate mismatch.
- Static conductive.

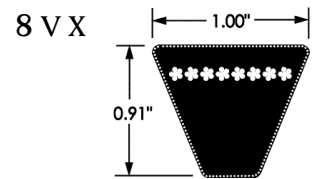
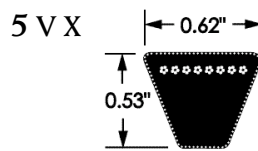
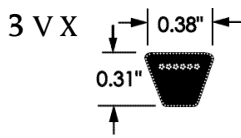
WEDGE OR ENVELOPE CONSTRUCTIONS PROVIDE OPTIMUM PERFORMANCE

HY-T Wedge 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 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 Goodyear 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.

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 | | |

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 |



NARROW (ULTRA-V) SHEAVES

3 V Available Sizes

| Diameter (in) | | | | | |
|---------------|--------|------|-------------|-------|----------------|
| 2.20 | JA | 3.65 | SH | 6.50 | SH, SDS, SK |
| 2.35 | JA | 4.12 | SH | 6.90 | SH, SDS, SK |
| 2.50 | JA | 4.50 | SH, SDS | 8.00 | SDS, SK, SF |
| 2.65 | JA | 4.75 | SH, SDS, SK | 10.60 | SDS, SK, SF, E |
| 2.80 | JA | 5.00 | SH, SDS, SK | 14.00 | SK, SF, E |
| 3.00 | JA, SH | 5.30 | SH, SDS, SK | 19.00 | SK, SF, E |
| 3.15 | JA, SH | 5.60 | SH, SDS, SK | 25.00 | SF, E, F |
| 3.35 | JA, SH | 6.00 | SH, SDS, SK | 33.50 | SF, E, F |

5 V Available Sizes

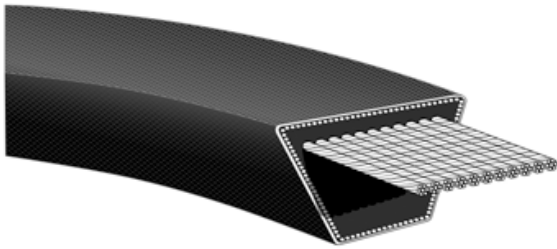
| Diameter (in) | | | | | |
|---------------|-------------|-------|--------------|-------|-------------|
| 4.40 | SH, SDS, SD | 8.50 | SK, SF, E | 15.00 | SF, E, F, J |
| 4.65 | SDS, SD | 9.00 | SK, SF, E, F | 16.00 | SF, E, F, J |
| 4.90 | SDS, SD | 9.25 | SK, SF, E, F | 18.70 | SF, E, F, J |
| 5.20 | SDS, SD | 9.75 | SK, SF, E, F | 21.20 | SF, E, F, J |
| 5.50 | SDS, SD | 10.30 | SK, SF, E, F | 23.60 | E, F, J, M |
| 5.90 | SDS, SD, SK | 10.90 | SK, SF, E, F | 28.00 | E, F, J, M |
| 6.30 | SK | 11.30 | SK, SF, E, F | 31.50 | F, J, M |
| 6.70 | SK, SF | 11.80 | SK, SF, E, F | 37.50 | F, J, M |
| 7.10 | SK, SF | 12.50 | SF, E, F, J | 50.00 | F, J, M |
| 7.50 | SK, SF | 13.20 | SF, E, F, J | | |
| 8.00 | SK, SF, E | 14.20 | SF, E, F, J | | |

V - BELT

8 V Available Sizes

| Diameter (in) | | | | | |
|---------------|---------|-------|------------|-------|------------|
| 12.50 | F, J, M | 19.00 | F, J, M, N | 40.00 | M, N, P |
| 13.20 | F, J, M | 20.00 | J, M, N | 44.50 | M, N, P |
| 14.00 | F, J, M | 21.20 | J, M, N | 53.00 | M, N, P, W |
| 15.00 | F, J, M | 22.40 | J, M, N | 63.00 | P, W |
| 16.00 | F, J, M | 24.80 | M, N | 71.00 | P, W |
| 17.00 | F, J, M | 30.00 | M, N, P | | |
| 18.00 | F, J, M | 35.50 | M, N, P | | |

HY-T® PLUS (CLASSICAL)



Part No: B75

B .66" Top Width – Classical Profile
75 Approximate 75" Inside Length

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, Goodyear 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 match every other belt of that size, 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.

Goodyear's 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.

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.
- Goodyear's 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.

The HY-T Plus' envelope construction assures optimum warp and fill thread angle, providing belt flexibility. In addition, the fabric is treated with Goodyear's 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.

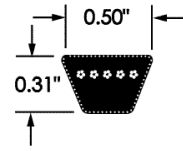
LESS INVENTORY REQUIRED

The HY-T Plus dual brand allows both distributor and end user to consolidate their existing classical V-belt sizes and fractional horsepower sizes into a single belt line that can handle both classical and FHP applications.

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



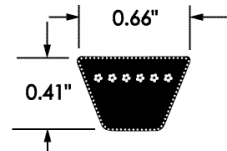
HY-T® PLUS (CLASSICAL)



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 | | |

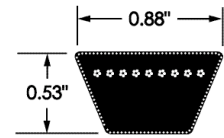
V - BELT



B SECTION

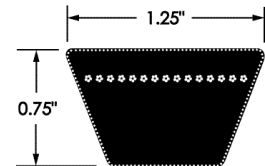
| Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|
| 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 | C81 | 85 | C105 | 109 | C148 | 152 | C240 | 242 |
| C50 | 54 | C85 | 89 | C106 | 110 | C150 | 154 | C255 | 257 |
| C51 | 55 | C90 | 94 | C108 | 112 | C156 | 160 | C270 | 272 |
| C55 | 59 | C93 | 97 | C109 | 113 | C158 | 162 | C285 | 287 |
| C60 | 64 | C94 | 100 | C110 | 114 | C162 | 166 | C300 | 302 |
| C62 | 66 | C96 | 100 | C112 | 116 | C165 | 169 | C315 | 317 |
| C68 | 72 | C97 | 101 | C115 | 119 | C173 | 177 | C330 | 332 |
| C71 | 75 | C98 | 102 | C120 | 124 | C180 | 184 | C345 | 347 |
| C72 | 76 | C99 | 103 | C124 | 128 | C190 | 194 | C360 | 362 |
| C75 | 79 | C100 | 101 | C128 | 132 | C195 | 199 | C390 | 392 |
| C78 | 82 | C101 | 103 | C136 | 140 | C210 | 214 | C420 | 422 |
| C80 | 84 | C103 | 104 | C144 | 148 | C225 | 227 | | |



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 |

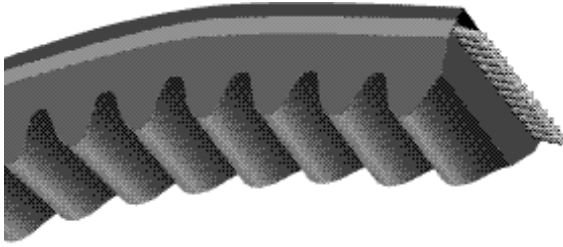
E SECTION

| 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 | | |

V - BELT



TORQUE-FLEX®



Part No: BX75

| | |
|----|---|
| B | .66" Top Width – Classical Profile |
| X | Premium Cogged Construction |
| 75 | Approximate 75" Inside Length |
| | Cut-Edge, Molded Cog Construction Shown |

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 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, Goodyear 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 exactly, 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 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.

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.
- Goodyear's engineered cushion compound.
- Cut-edge cogged construction on most sizes.
- Oil, heat, ozone, and abrasion resistant.
- Matchmaker to eliminate mismatch.
- Static conductive.

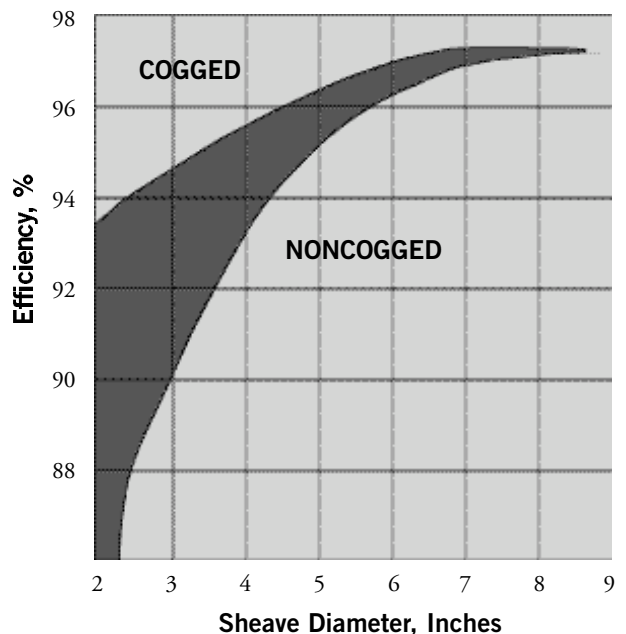
MORE SAVINGS FROM FEWER BELTS

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 Goodyear Torque-Flex V-Belts also lead to improvements in energy efficiency of up to 4%, depending on sheave diameter.

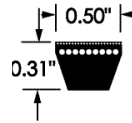
COGGED VS. NONCOGGED BELT EFFICIENCY



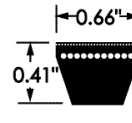
TORQUE-FLEX®



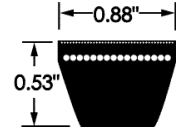
SIDE VIEW



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) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| AX21 | 23 | AX39 | 41 | AX56 | 58 | AX73 | 75 |
| AX22 | 24 | AX40 | 42 | AX57 | 59 | AX74 | 76 |
| AX23 | 25 | AX41 | 43 | AX58 | 60 | AX75 | 77 |
| AX24 | 26 | AX42 | 44 | AX59 | 61 | AX76 | 78 |
| AX26 | 28 | AX43 | 45 | AX60 | 62 | AX77 | 79 |
| AX27 | 29 | AX44 | 46 | AX61 | 63 | AX78 | 80 |
| AX28 | 30 | AX45 | 47 | AX62 | 64 | AX79 | 81 |
| AX29 | 31 | AX46 | 48 | AX63 | 65 | AX80 | 82 |
| AX30 | 32 | AX47 | 49 | AX64 | 66 | AX81 | 83 |
| AX31 | 33 | AX48 | 50 | AX65 | 67 | AX82 | 84 |
| AX32 | 34 | AX49 | 51 | AX66 | 68 | AX83 | 85 |
| AX33 | 35 | AX50 | 52 | AX67 | 69 | AX84 | 86 |
| AX34 | 36 | AX51 | 53 | AX68 | 70 | AX85 | 87 |
| 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) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| BX28 | 31 | BX53 | 56 | BX73 | 76 | BX93 | 96 |
| BX31 | 34 | BX54 | 57 | BX74 | 77 | BX94 | 97 |
| BX32 | 35 | BX55 | 58 | BX75 | 78 | BX95 | 98 |
| BX34 | 37 | BX56 | 59 | BX76 | 79 | BX96 | 99 |
| BX35 | 38 | BX57 | 60 | BX77 | 80 | BX97 | 100 |
| BX36 | 39 | BX58 | 61 | BX78 | 81 | BX98 | 101 |
| BX38 | 41 | BX59 | 62 | BX79 | 82 | BX99 | 102 |
| BX40 | 43 | BX60 | 63 | BX80 | 83 | BX100 | 103 |
| BX41 | 44 | BX61 | 64 | BX81 | 84 | BX103 | 106 |
| BX42 | 45 | BX62 | 65 | BX82 | 85 | BX105 | 108 |
| BX43 | 46 | BX63 | 66 | BX83 | 86 | BX106 | 109 |
| BX44 | 47 | BX64 | 67 | BX84 | 87 | BX108 | 111 |
| BX45 | 48 | BX65 | 68 | BX85 | 88 | BX112 | 115 |
| BX46 | 49 | BX66 | 69 | BX86 | 89 | BX113 | 116 |
| BX47 | 50 | BX67 | 70 | BX87 | 90 | BX115 | 118 |
| BX48 | 51 | BX68 | 71 | BX88 | 91 | BX116 | 119 |
| BX49 | 52 | BX69 | 72 | BX89 | 92 | BX120 | 123 |
| BX50 | 53 | BX70 | 73 | BX90 | 93 | BX123 | 126 |
| BX51 | 54 | BX71 | 74 | BX91 | 94 | BX124 | 127 |
| BX52 | 55 | BX72 | 75 | BX92 | 95 | BX126 | 129 |

| 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 |
| CX55 | 59 | CX85 | 89 | CX111 | 115 | CX150 | 154 |
| CX60 | 64 | CX90 | 94 | CX112 | 116 | CX158 | 162 |
| 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 |
| | | | | | | | |
| | | | | | | CX210 | 214 |
| | | | | | | CX240 | 244 |
| | | | | | | CX270 | 274 |

V - BELT



"A/B" CLASSICAL (CONVENTIONAL) SHEAVES

A/B Available Sizes

| Diameter (in) | | | | | |
|---------------|-------------|-----|-----------------|------|----------------|
| 3.4 | SH, SD | 5.6 | SDS, SD, SK | 9.4 | SDS, SK, SF, E |
| 3.6 | SH, SD | 5.8 | SDS, SD, SK | 11.0 | SDS, SK, SF, E |
| 3.8 | SH, SD | 6.0 | SDS, SD, SK, SF | 12.4 | SDS, SK, SF, E |
| 4.0 | SH, SD | 6.2 | SDS, SD, SK, SF | 13.6 | SDS, SK, SF, E |
| 4.2 | SH, SD | 6.4 | SDS, SD, SK, SF | 15.4 | SK, SF, E, F |
| 4.4 | SH, SD | 6.6 | SDS, SD, SK, SF | 16.0 | SK, SF, E, F |
| 4.6 | SDS, SD | 6.8 | SDS, SD, SK, SF | 18.4 | SK, SF, F |
| 4.8 | SDS, SD | 7.0 | SDS, SK, SF | 20.0 | SK, SF, E, F |
| 5.0 | SDS, SD | 7.4 | SDS, SK, SF | 25.0 | SF, E, F |
| 5.2 | SDS, SD | 8.0 | SDS, SK, SF | 30.0 | SF, E, F |
| 5.4 | SDS, SD, SK | 8.6 | SDS, SK, SF, E | 38.0 | SF, E, E, J |

A/B (LARGE BORE) Available Sizes

| Diameter (in) | | | | | |
|---------------|----|-----|----|------|----|
| 5.6 | SF | 7.0 | SF | 9.4 | SF |
| 6.0 | SF | 8.0 | SF | 11.0 | SF |
| 6.8 | SF | 8.6 | SF | 15.4 | SF |

V - B E L T

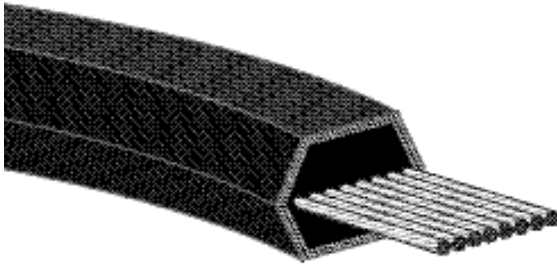
C Available Sizes

| Diameter (in) | | | | | |
|---------------|-------------|------|-------------|------|----------------|
| 5.0 | SD | 9.5 | SF, E, F, J | 18.0 | SF, E, F, J |
| 5.6 | SD | 10.0 | SF, E, F, J | 20.0 | SF, E, J, M |
| 6.0 | SF | 10.5 | SF, E, F, J | 24.0 | SF, E, F, J, M |
| 7.0 | SF | 11.0 | SF, E, F, J | 27.0 | F, J |
| 7.5 | SF | 12.0 | SF, E, F, J | 30.0 | F, J, M |
| 8.0 | SF, E | 13.0 | SF, E, F, J | 36.0 | F, J, M |
| 8.5 | SF, E | 14.0 | SF, E, F, J | 44.0 | F, J, M |
| 9.0 | SF, E, F, J | 16.0 | SF, E, F, J | 50.0 | F, J, M |

D Available Sizes

| Diameter (in) | | | | | |
|---------------|---------|------|---------|------|------------|
| 12.0 | F, J, M | 15.5 | F, J, M | 24.0 | J, M |
| 13.0 | F, J, M | 16.0 | F, J, M | 27.0 | J, M |
| 13.5 | F, J, M | 17.0 | J, M | 33.0 | J, M, N |
| 14.0 | F, J, M | 18.0 | J, M | 40.0 | J, M, N |
| 14.5 | F, J, M | 20.0 | J, M | 48.0 | J, M, N, P |
| 15.0 | F, J, M | 22.0 | J, M | 58.0 | M, N, P |

HEX



Part No: BB75

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

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, Goodyear builds 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 Goodyear Hex belts to deliver maximum performance over a long, trouble-free life.

Goodyear 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.

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
- Mixers
- Mule Drives
- Conveyors
- Crushers

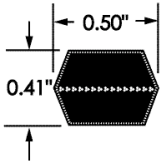
KEY FEATURES & BENEFITS

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



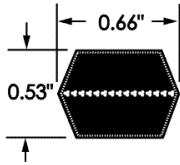
HEX

AA



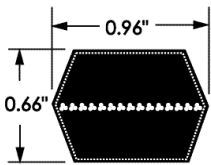
| Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| 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



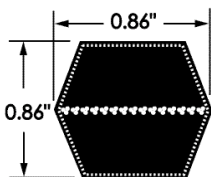
| Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| 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 | | |

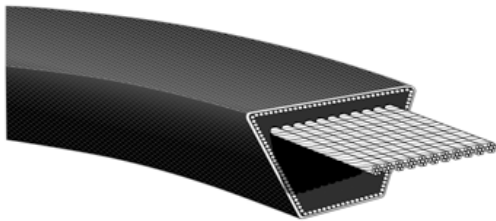
CCP



| 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 |

V - B E L T

INSTA-POWER™ (FLEXTEN® CLASSICAL)



Part No: 84310

- 84 Top Width in Eighths of an Inch
- 31 Length in Inches
- 0 Tenths of an Inch
- A29F - Equivalent Classical Size

BUILT FOR STRENGTH & ENDURANCE

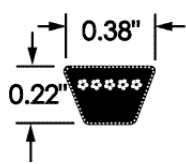
Every element of the Insta-Power belt is designed to deliver premium, long-life performance in demanding outdoor power equipment service. Insta-Power belts are engineered to take the abuse of repeated sudden shock loads, tolerate high ambient temperatures, and resist the damaging effects of oil and dust.

The fabric cover on Insta-Power belts is impregnated with Goodyear's 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 provide 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.

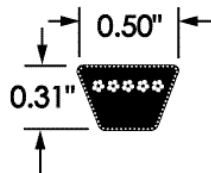
APPLICATIONS
 Delivers high performance consistently in lawn and garden drives up to 20 horsepower. Also ideal for other power equipment where reverse bend idlers, misalignment, and quarter-turn drives cause ordinary belts to fail.

KEY FEATURES & BENEFITS

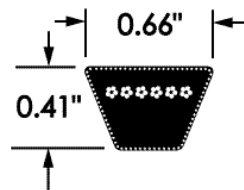
- Flexten classical profile construction.
- High-strength Flexten tensile members.
- Engineered rubber cushion compound.
- Premium envelope construction.
- Triple part number branding (Insta-Power, Classical, and Fraction horsepower).
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.



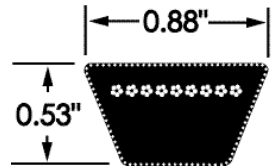
8 3
3 L SECTION



8 4
A SECTION
OR 4 L SECTION



8 5
B SECTION
OR 5 L SECTION



8 7
C SECTION

8 3
3 L SECTION

| Instapower | Instapower | Instapower | Instapower | Instapower | Instapower | Instapower | Instapower |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 83160 | 83220 | 83250 | 83295 | 83340 | 83390 | 83440 | 83500 |
| 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 | |



INSTA-POWER™ (FLEXTEN® CLASSICAL)

8 4

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 |

8 5

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 |

8 7

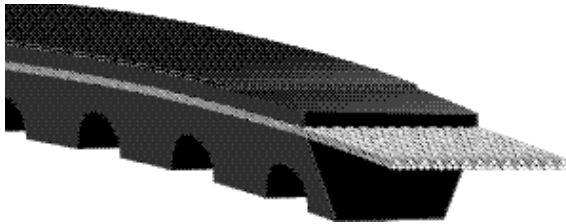
C SECTION

| 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 | | |

8 9

| Instapower | Instapower | Instapower | Instapower | Instapower | Instapower | Instapower | Instapower |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 89002 | 89105 | 89207 | 89215 | 89223 | 89231 | 89239 | 89247 |
| 89003 | 89106 | 89208 | 89216 | 89224 | 89232 | 89240 | 89248 |
| 89007 | 89201 | 89209 | 89217 | 89225 | 89233 | 89241 | 89249 |
| 89009 | 89202 | 89210 | 89218 | 89226 | 89234 | 89242 | 89250 |
| 89101 | 89203 | 89211 | 89219 | 89227 | 89235 | 89243 | 89251 |
| 89102 | 89204 | 89212 | 89220 | 89228 | 89236 | 89244 | 89253 |
| 89103 | 89205 | 89213 | 89221 | 89229 | 89237 | 89245 | |
| 89104 | 89206 | 89214 | 89222 | 89230 | 89238 | 89246 | |

FHP



Part No: 4L560

4L 0.50" Top Width
560 56.0" Nominal Outside Length
Cut-Edge, Molded Cog Construction Shown

QUIET, SMOOTH-RUNNING, EXCEPTIONALLY ENERGY EFFICIENT

You no longer have to accept the lower energy efficiency associated with envelope belts on fractional horsepower light-duty drives. Advanced Goodyear V-belt technology has resulted in the development of a cut-edge, molded cog construction which exceeds conventional envelope belts in every performance category. This has been confirmed in extensive testing which proves that Goodyear 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 Goodyear 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 Goodyear FHP V-belts in noise-sensitive equipment. But even in typical factory settings, Goodyear 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.

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.
- Goodyear's engineered rubber cushion and insulation.
- Cut-edge, molded cogged construction.
- Oil, heat, ozone, and abrasion resistant.

Goodyear 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 Goodyear 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.

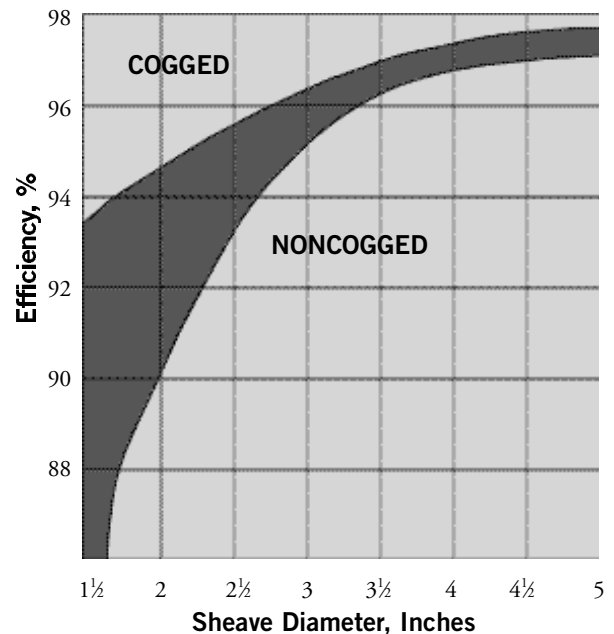
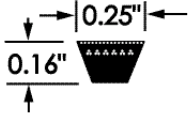


Figure 1 – Efficiency comparison of cogged vs. noncogged FHP V-belts (4L section).



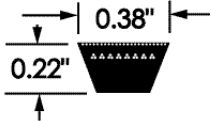
FHP

2 L



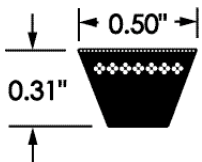
| Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| 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



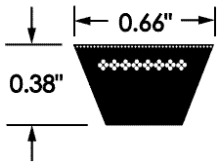
| Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) | Part Number | Approx. Outside Length (in) |
|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|
| 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 | | |

V - B E L T

QT/FHP SHEAVES

QT/FHP SHEAVES Available Sizes

| Description | Nomenclature | Size Range (in) | Size |
|------------------|--------------|-----------------|---------|
| Single A Groove | AK | 30-184 | QT |
| Two A Groove | 2AK | 30-184 | QT |
| Single B Groove | BK | 30-190 | QT |
| Two B Groove | 2BK | 32-190 | QT |
| Single A-BTS | AK | 15-184 | Various |
| Single B-BTS | BK | 19-190 | Various |
| Two A Groove-BTS | 2AK | 20-184 | Various |
| Two B Groove-BTS | 2BK | 20-190 | Various |

VARIABLE SPEED

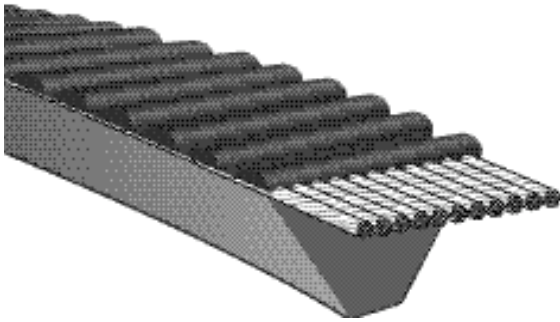
LIGHT-DUTY (FHP)

ADJUSTABLE "VP" SHEAVES Available Sizes

| Diameter in Inches | | | |
|--------------------|-------|-------|-------|
| 1VP25 | 1VP60 | 2VP36 | 2VP62 |
| 1VP30 | 1VP62 | 2VP42 | 2VP65 |
| 1VP34 | 1VP65 | 2VP50 | 2VP68 |
| 1VP40 | 1VP68 | 2VP56 | 2VP71 |
| 1VP44 | 1VP71 | 2VP60 | 2VP75 |
| 1VP50 | 1VP75 | | |
| 1VP56 | | | |



NEOTHANE®



Part No: 5M 710

5M 3/6" Top Width

710 71.0" Nominal Outside Length

A DIFFERENT APPROACH TO V-BELTS

Neothane V-belts by Goodyear 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.

APPLICATIONS

Specialty belt for specific types of machines and equipment.

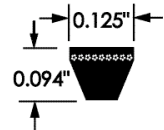
- Machine Tools
- Computer Industry
- Woodworking Machines
- Appliances
- Blowers
- Medical Industry

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 machine 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.

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.

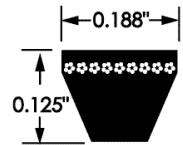


3M NOMINAL TOP WIDTH 1/8"

| 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 | | |

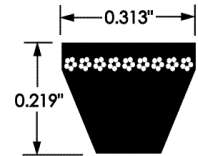
*Nonstock: Please check factory for availability.

NEOTHANE®



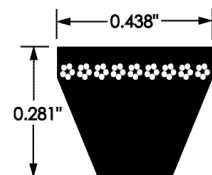
5M NOMINAL TOP WIDTH 3/16"

| PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | 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 | | |



7M NOMINAL TOP WIDTH 5/16"

| PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | 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 | | |



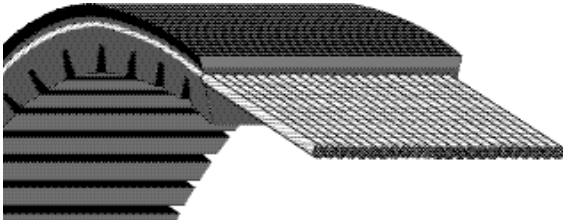
11M NOMINAL TOP WIDTH 7/16"

| PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | Eff. Length (in) | PartNumber | 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 |
| | Molded-Edge, Molded Cog Construction Shown |

TOP PERFORMANCE AT EVERY SPEED

Goodyear 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 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 molding that goes into every Goodyear 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—including bearings, sheaves, and other drive components—is significantly extended. Longer wear is a great way to save money.

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 Goodyear compound technology compression section.
- High-horsepower capacity.
- Milled edge construction for superior dimensional stability.
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.

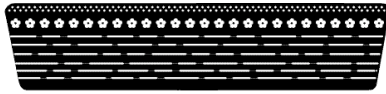
EXCEPTIONAL LENGTHWISE FLEXIBILITY ALLOWS FOR SMALL PULLEYS

Goodyear builds 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

Goodyear Flexten tension cords get their muscle from a special tempering for maximum strength and resilience. This gives Goodyear 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, Goodyear Variable Speed belts provide you with longer life on the toughest drives.

VARIABLE SPEED



CUT-EDGE CONSTRUCTION



MOLDED CONSTRUCTION*

Goodyear Variable Speed Stock Part Numbers

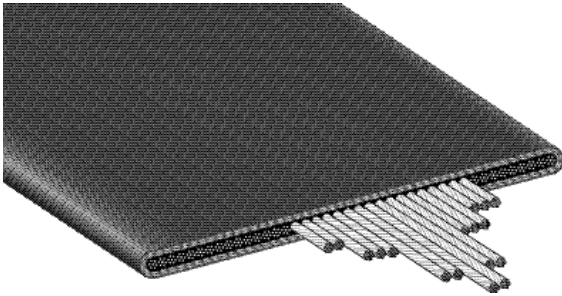
| | | | | | | | |
|----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|
| 1228V255 | 1922V256 | 2026V422 | 2530V300 | 2836V586 | 3230V800 | 4230V556 | 4830V602 |
| 1422V235 | 1922V277 | 2026V445 | 2530V335 | 2836V606 | 3230V850 | 4230V605 | 4830V653 |
| 1422V240 | 1922V282 | 2026V607 | 2530V490 | 2836V616 | 3230V900 | 4230V653 | 4830V699 |
| 1422V270 | 1922V298 | | 2530V500 | 2836V636 | 3230V1120 | | 4830V730 |
| 1422V290 | 1922V302 | 2126V309 | 2530V530 | 2836V646 | 3230V1180 | 4430V510 | 4830V750 |
| 1422V300 | 1922V321 | 2126V365 | 2530V550 | 2836V666 | | 4430V530 | 4830V850 |
| 1422V330 | 1922V332 | | 2530V575 | 2836V686 | 3230HV528 | 4430V548 | 4830V970 |
| 1422V340 | 1922V338 | 2226V307 | 2530V595 | 2836V706 | 3230HV546 | 4430V555 | 4830V1070 |
| 1422V360 | 1922V363 | 2230V266 | 2530V600 | 2836V726 | 3230HV553 | 4430V560 | |
| 1422V400 | 1922V381 | 2230V273 | 2530V610 | 2836V776 | 3230HV570 | 4430V570 | 4836V618 |
| 1422V420 | 1922V386 | 2230V275 | 2530V630 | 2836V786 | 3230HV585 | 4430V578 | 4836V655 |
| 1422V440 | 1922V403 | 2230V285 | 2530V660 | 2836V834 | 3230HV603 | 4430V600 | 4836V670 |
| 1422V460 | 1922V417 | 2230V326 | 2530V670 | 2836V856 | 3230HV613 | 4430V610 | 4836V710 |
| 1422V466 | 1922V426 | 2230V375 | 2530V690 | 2836V891 | 3230HV620 | 4430V630 | 4836V800 |
| 1422V470 | 1922V443 | | 2530V700 | 2836V906 | 3230HV626 | 4430V652 | 4836V850 |
| 1422V480 | 1922V454 | 2322V329 | 2530V730 | 2836V921 | 3230HV644 | 4430V660 | 4836V900 |
| 1422V540 | 1922V460 | 2322V347 | 2530V750 | 2836V966 | 3230HV685 | 4430V670 | 4836V950 |
| 1422V600 | 1922V484 | 2322V364 | 2530V790 | 2836V1006 | 3230HV702 | 4430V690 | 4836V1000 |
| 1422V660 | 1922V526 | 2322V384 | 2530V840 | 2836V1026 | 3230HV723 | 4430V700 | 4836V1060 |
| 1422V720 | 1922V544 | 2322V396 | 2530V850 | 2836V1086 | 3230HV821 | 4430V710 | 4836V1120 |
| 1422V780 | 1922V604 | 2322V421 | 2530V890 | 2836V1106 | 3230HV856 | 4430V718 | 4836V1180 |
| | 1922V630 | 2322V434 | 2530V934 | 2836V1146 | 3230HV931 | 4430V730 | 4836V1250 |
| | 1922V646 | 2322V441 | 2530V990 | | 3230HV960 | 4430V740 | 5130V732 |
| 1430V215 | 1922V666 | 2322V461 | 2530V1090 | 2930V348 | 3230HV1060 | 4430V750 | 5130V787 |
| 1430V315 | 1922V686 | 2322V481 | | 2930V420 | | 4430V760 | |
| 1430V450 | 1922V706 | 2322V521 | 2626V369 | 2930V377 | 3236V369 | 4430V780 | 5228V930 |
| 1430V500 | 1922V721 | 2322V541 | 2626V388 | 2930V387 | 3236V389 | 4430V790 | |
| | 1922V726 | 2322V601 | | | 3236V432 | 4430V800 | 5230V662 |
| 1622V270 | 1922V726 | 2322V621 | 2630V345 | 3226V392 | 3236V478 | 4430V850 | 5230V734 |
| 1622V336 | 1922V751 | 2322V661 | 2630V395 | 3226V395 | | 4430V850 | 5230V867 |
| | 1922V756 | 2322V681 | | 3226V400 | 3430V424 | 4430V900 | |
| 1626V262 | 1922V806 | 2322V701 | 2636V332 | 3226V433 | 3430V476 | 4430V910 | 5636V774 |
| 1626V290 | 1922V846 | 2322V721 | | 3226V439 | 3430V493 | 4430V930 | |
| 1626V293 | 1922V891 | 2322V801 | 2822V778 | 3226V450 | | 4430V950 | 5830V756 |
| 1626V304 | 1922V966 | 2322V826 | 2826V452 | 3226V465 | 3432V450 | 4430V970 | |
| 1626V330 | 1922V1146 | 2322V846 | | 3226V505 | 3432V456 | 4430V1000 | 5836V737 |
| 1626V339 | | 2322V886 | 2830V337 | 3226V514 | 3432V480 | 4430V1030 | |
| 1626V380 | 1926V250 | 2322V921 | 2830V363 | 3226V545 | 3432V484 | 4430V1060 | 6236V607 |
| 1626V384 | 1926V275 | 2322V921 | 2830V366 | 3226V585 | 3432V528 | 4430V1090 | 6236V725 |
| 1626V395 | 1926V407 | 2322V1001 | 2830V367 | 3226V603 | 3432V534 | 4430V1120 | 6236V762 |
| 1626V411 | 1926V427 | 2322V1061 | 2830V393 | 3226V650 | | 4430V1150 | |
| 1626V428 | | | 2830V396 | 3226V663 | 3630V455 | 4430V1180 | |
| 1626V440 | 1930V366 | 2326V310 | 2830V422 | 3226V723 | 3630V479 | 4430V1250 | |
| 1626V455 | 1930V400 | 2326V359 | 2830V428 | 3226V783 | | 4430V1320 | |
| 1626V513 | 1930V425 | | | 3226V783 | 3726V558 | 4430V1320 | |
| 1626V517 | 1930V431 | 2330V273 | 2836V343 | 3226V843 | | 4430V1410 | |
| 1626V597 | 1930V450 | 2330V338 | 2836V350 | 3226V903 | 3826V465 | 4430V1460 | |
| 1626V604 | 1930V491 | | 2836V380 | 3226V963 | | 4430V1610 | |
| 1626V658 | 1930V500 | 2426V343 | 2836V366 | 3226V1023 | 3830V510 | | |
| 1626V700 | 1930V541 | 2430V297 | 2836V400 | 3226V1083 | 3830V517 | 4436V525 | |
| | 1930V560 | 2430V302 | 2836V426 | | 3830V580 | 4436V551 | |
| 1628V210 | 1930V591 | 2430V319 | 2836V471 | 3230V419 | 3830V587 | 4436V646 | |
| 1628V315 | 1930V600 | 2430V345 | 2836V477 | 3230V481 | | | |
| | 1930V641 | 2430V379 | 2836V486 | 3230V600 | 3836V418 | 4630V650 | |
| 1632V210 | 1930V691 | | 2836V491 | 3230V621 | 3836V426 | 4630V663 | |
| | 1930V750 | 2436V331 | 2836V521 | 3230V630 | 3836V654 | 4630V733 | |
| 1822V328 | 1930V991 | | 2836V534 | 3230V670 | 3836V794 | | |
| 1828V368 | 1930V1091 | 2526V314 | 2836V546 | 3230V710 | | 4636V613 | |
| | | 2526V370 | 2836V574 | 3230V750 | 4030V590 | | |
| | | | | 3230V771 | 4036V541 | | |
| | | | | | 4036V574 | | |

Metric and asymmetric sizes available in minimum quantities.

* Molded construction to be discontinued after 2006.



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's 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.

Goodyear manufactures 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 Goodyear 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)

COMPASS® CORD BELT

| Drum Cured | Type of Service | Construction | Min. Width | Max. Width | Min. Length | Max. Length |
|------------|-----------------|--------------|------------|------------|-------------|-------------|
| Compass L | Light | Endless | 1" | 10" | 24-1/2" | 120" |
| Compass M | Medium | Endless | 2" | 28" | 24-1/2" | 169-5/8" |

Note: Compass L maximum length is 120".

| Press Cured | Type of Service | Construction | Min. Width | Max. Width | *Min. Length | Max. Length |
|--------------------|-----------------|--------------|------------|------------|--------------|-------------|
| Compass M | Medium | Endless | 2" | 36" | 120" | 135' |
| Compass C | Heavy | Endless | 4" | 36" | 120" | 135' |
| Compass H | Extra Heavy | Endless | 4" | 36" | 120" | 135' |
| *Compass 250 Steel | Special | Endless | 4" | 36" | 120" | 135' |
| Compass 450 Steel | Special | Endless | 10" | 36" | 120" | 135' |

*Press cured belts 30" wide and under require a minimum length of 10' (120").

*Press cured belts over 30" wide and under 34" wide require a minimum length of 14' (168").

*Press cured belts over 34" wide require a minimum length of 17' (204").

TRULY ENDLESS MULTIPLE PLY BELT

| Sizes: | |
|---|--|
| <ul style="list-style-type: none"> Available in widths of 1" to 48" (drum cured) and 1" to 36" (press cured). Product availability in truly endless or roll lot construction. | Contact your local GTM or Goodyear distributor for manufacturing capability. |

*Special sizes available on request. Contact your local GTM or Goodyear distributor.



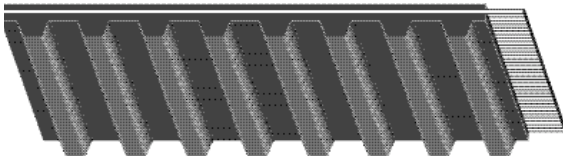
BOWLING MACHINE

| AMF Part Number | Goodyear Part Number | AMF Part Number | Goodyear Part Number | AMF Part Number | Goodyear 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 Part Number | Brunswick Part Number | Goodyear Part Number | Brunswick Part Number | Goodyear 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 | | |

SPECIALTY

COTTON CLEANER



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

APPLICATIONS

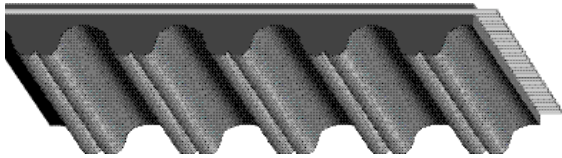
Synchronous belts specially designed for driving the cylinders on Cotton Gin Incline cleaner machines.

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 |

FIN FAN®



Part No: 3150 14M 55\FFAN
 3150 3150 mm Pitch Length
 14 14 mm Pitch
 55 55 mm 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 Number | No. of Teeth | Part Number | No. of Teeth |
|------------------|--------------|------------------|--------------|
| 3150 14M 55\FFAN | 225 | 3500 14M 55\FFAN | 250 |
| 3150 14M 85\FFAN | 225 | 3500 14M 85\FFAN | 250 |
| 3360 14M 55\FFAN | 240 | 3850 14M 55\FFAN | 275 |
| 3360 14M 85\FFAN | 240 | 3850 14M 85\FFAN | 275 |

*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.

SPECIAL TRUCK BELT



Part No: 42001

APPLICATIONS

These special drive belts supplement the Truck Belt Line to provide full coverage for specific applications.

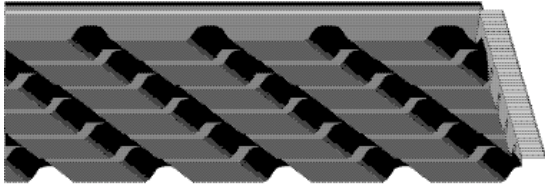
KEY FEATURES & BENEFITS

- Goodyear's high-quality standards provide maximum performance and belt life.

SPECIALTY



GATORBACK® POLY-V® BELT



Part No: 4061025

| | |
|------|------------------|
| 4 | K Section Poly-V |
| 06 | 6 Ribs |
| 1025 | 102 5/10" Length |

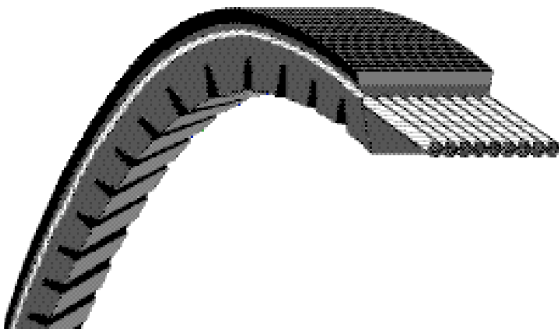
APPLICATIONS

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 Length |
| 456 | 45 6/8" Length |

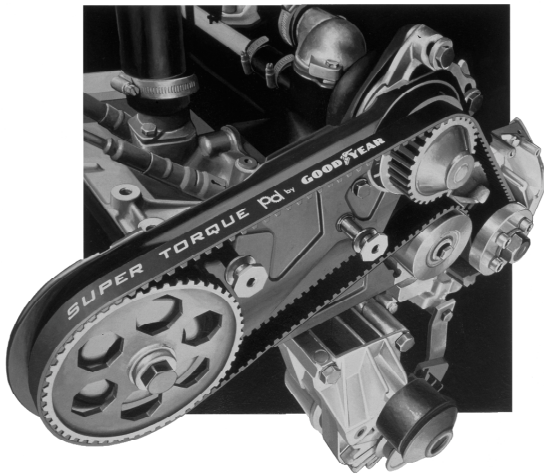
APPLICATIONS

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.

TIMING BELT



Part No: 40138

40 Automotive Timing Belt
138 Industry Standard Description

APPLICATIONS

Goodyear Timing belts are engineered 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 Goodyear's 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 Goodyear's premium rubber to resist heat and wear.

Note: For an application guide and available sizes of Goodyear 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 | Up To 210" | How to Obtain Outside Length Over 210" |
|---------|-------------------|---|---|
| A, AX | 1/2" (.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 | 7/8" (.875) | Add 4.2" to Part Number Ex: C100 = 104.2" | Add 2.2" to Part Number Ex: C240 = 242.7" |
| D, DX | 1 1/4" (1.250) | Add 5.2" to Part Number Ex: D180 = 105.2" | Add 2.7" to Part Number Ex: D240 = 242.7" |
| E | 1 1/2" (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™

| Section | Nominal Top Width | Lengths |
|---------|-------------------|-------------------------------|
| 3V, 3VX | 3/8" (.375) | Belt Number indicates nominal |
| 5V, 5VX | 5/8" (.625) | Outside Length |
| 8V | 1" (1.000) | Example: 3VX475 = 47.5" |

FHP

| Section | Nominal Top Width | Lengths |
|---------|-------------------|-------------------------------|
| 2L | 1/4" (.250) | Belt Number indicates nominal |
| 3L | 3/8" (.375) | Outside Length |
| 4L | 1/2" (.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 = 1/4" 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 | .375 | .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 |

GENERAL INFORMATION

BUSHINGS

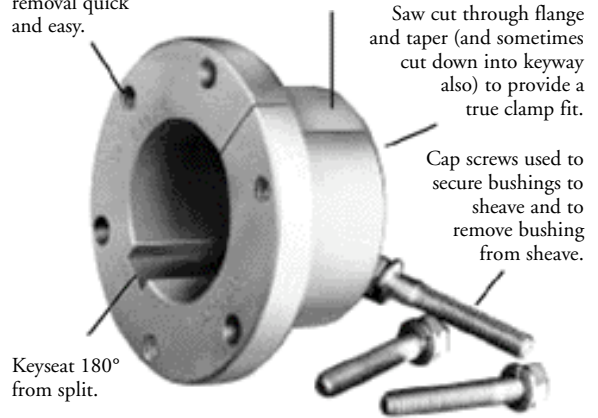
SureGrip¹ "Quick Detachable" bushings are easy to install and remove. They are split through flange and taper to provide a true clamp on the shaft that is the equivalent of a shrink fit. All sizes except JA and QT have a setscrew over the key to help maintain the bushing's position on the shaft until the cap screws are securely tightened. SureGrip bushings have a very gradual taper (3/4-inch taper per ft. on the diameter) which is about half the inclined angle of many other bushings. The result is that the SureGrip securely clamps the shaft, with twice the force of those competitive bushings, to provide extreme holding power.

Versatile SureGrip 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 interchangeability extends through sheaves, pulleys, timing pulleys, sprockets, flexible and rigid couplings, made-to-order items by Goodyear, and to product lines of several other mechanical power transmission manufacturers.

SureGrip 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.

6-hole drilling (most sizes) makes installation and removal quick and easy.

Precise taper (3/4 in. per ft. on diameter) provides proper wedging action.



| Available SureGrip Bushings | |
|-----------------------------|---|
| QT | F |
| JA | J |
| SH | M |
| SDS | N |
| SK | P |
| SF | W |
| E | S |

| Metric SureGrip Bushings | |
|--------------------------|------|
| QTMX | SKMX |
| JAMX | SFMX |
| SHMX | EMX |
| SDSMX | FMX |
| SDMX | |

| Available SureGrip 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 |

| SureGrip Idler Bushings & Replacement Bearings | |
|--|-------|
| SH-BB | SF-BB |
| SD-BB | E-BB |
| SK-BB | |

| SureGrip Short Bushings | |
|-------------------------|----|
| JS | PS |
| MS | WS |
| NS | |

¹SUREGRIP is a trademark of TB Wood's Incorporated



GENERAL PRODUCT INFO

SUREGRIP™ BUSHINGS

- SureGrip 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.
- SureGrip 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.

- SureGrip 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-20-1988 |
| Narrow V-Belt Sheaves | IP-22-1991 |
| Synchronous Belt Pulleys | IP-24-1983 |
| Curvilinear Boil Sprockets | IP-27-Draft |

SPECIAL CONSTRUCTIONS AVAILABLE

- Goodyear Power Transmission Products 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.

THE FOLLOWING ARE TRADEMARKS OF TB WOOD'S INCORPORATED

| | | | | |
|---------------|----------|-----------|-----------|------------|
| Dura-Flex | E-Trol | IST | S-trAC | Ultracon |
| Disc-O-Torque | FormFlex | NLS | Softron | Ultra-V |
| DST | HST | Roto-Cam | Sure-Flex | Var-A-Cone |
| E-trAC | IMD | Roto-Cone | SureGrip | |

TECHNICAL INFORMATION

SAFETY REMINDER 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

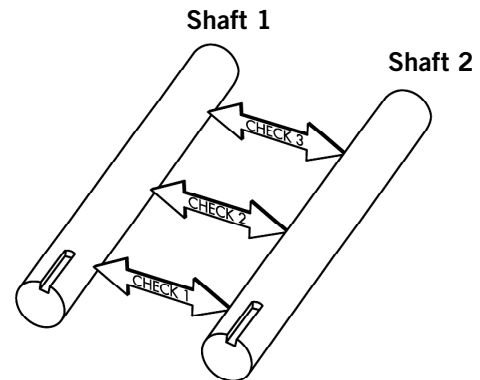
OBJECTIVE: Verify that all necessary tools and parts are available and ready for installation.

- Eagle Pd belts and sprockets from Goodyear 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 Pd, Hawk Pd, and Blackhawk Pd, it is also important that the correct sprocket width is used.
- The following tools are recommended for proper belt and sprocket installation.
 - Straightedge
 - Socket and open-end wrenches
 - Torque wrench
 - Belt tension gauge
 - Tape measure
 - File and sandpaper
 - Clean cloth
 - Deflection force values for tensioning the belt
- 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.
- 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.

SPROCKET & BUSHING INSTALLATION

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

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

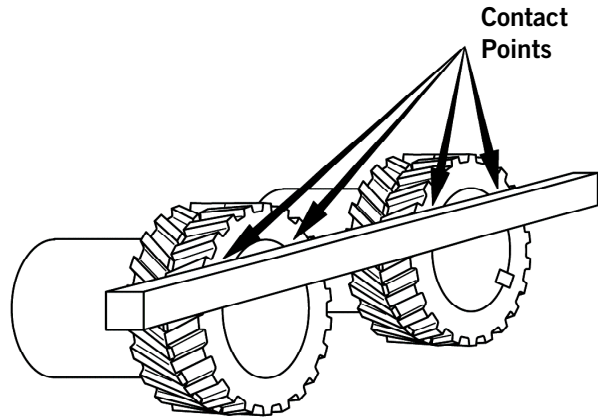




TECHNICAL INFORMATION

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 Pd 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’s 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 1/4” 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

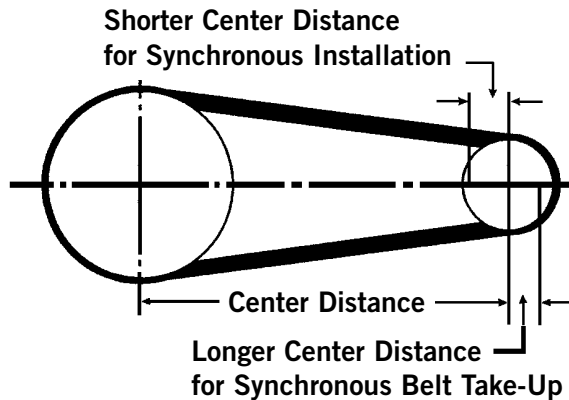
BELT INSTALLATION & TENSIONING

OBJECTIVE:

Goodyear Pd 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 Pd. 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 | | Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in) |
|-------------------------|---------------------------------------|----------------------|--|
| | 8M Belts | 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 | | Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in) |
|-------------------------|---------------------------------------|----------------------|--|
| | 8M Belts | 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 Pd sprockets. Since flanges are not necessary on Eagle Pd drives, only one table of center distance allowances is provided.

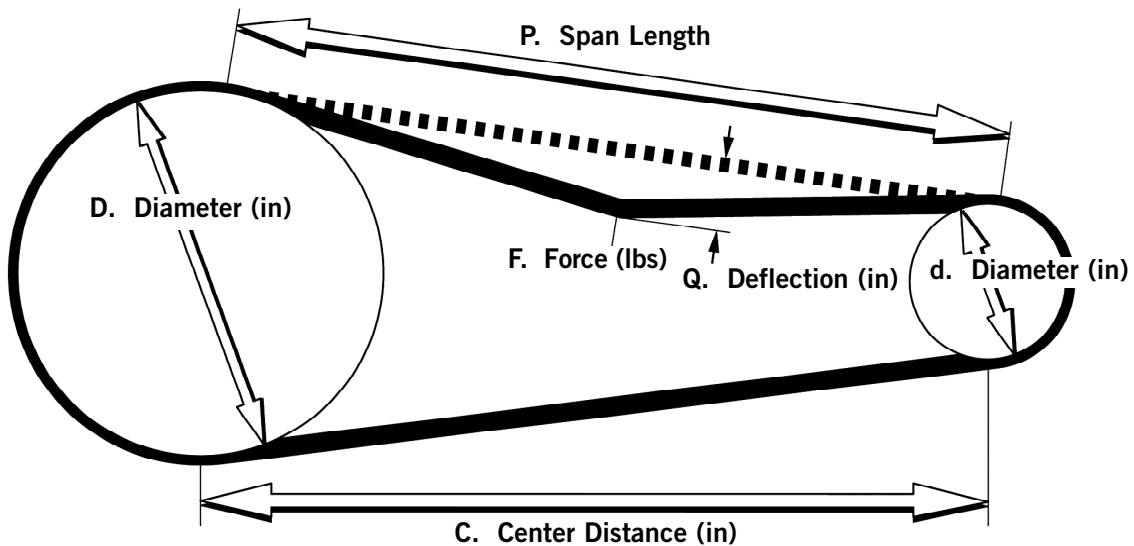
| Pitch Length Range (mm) | Allowance (Decrease) for Installation | | Allowance (Increase) for Take-Up 8M, 14M Belts (mm/in) |
|-------------------------|---------------------------------------|----------------------|--|
| | 8M Belts | 14M Belts (mm/in) | |
| Less than 1525 | 10.1/0.4 | 15.2/0.6 | 2.5/0.1 |
| 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. First 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 Maximizer 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 86 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 82 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 84. 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)

Use with Deflection Gauges

| Belt Type | 0-100 RPM | | 101-1000 RPM | | 1000-up RPM | | |
|----------------------|-----------|-----------|--------------|-----------|-------------|-----------|-----|
| | New Belt | Used Belt | New Belt | Used Belt | New Belt | Used Belt | |
| Eagle Pd® | 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 Pd® | 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 | 28 | 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 | 51 |
| | 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 Eagle Pd Tension Tester (PN 20039446) or TensionRite Small Tension Tester (PN 20044882)

APPLICATION

30 lbs Deflection Force



PART NUMBER

TensionRite Eagle Pd Tension Tester (PN 20039447) or TensionRite Small Tension Tester (PN 20083773)

APPLICATION

30 lbs Deflection Force



BELT STRAND TENSION (NEWTONS)

Use only with TensionRite™ Belt Frequency Meter

| 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 Pd™ | Yellow | 998 | 713 | 784 | 499 | 570 | 428 | 0.064 |
| | White | 1995 | 1354 | 1568 | 1070 | 1212 | 785 | 0.127 |
| | Purple | 3990 | 2780 | 3065 | 2140 | 2424 | 1641 | 0.254 |
| | Blue | 3633 | 2494 | 2921 | 1996 | 2494 | 1711 | 0.242 |
| | Green | 5382 | 3745 | 4386 | 3034 | 3745 | 2607 | 0.364 |
| | Orange | 7195 | 4989 | 5843 | 4063 | 4989 | 3494 | 0.485 |
| Red | 10836 | 7562 | 8701 | 6067 | 7562 | 5213 | 0.727 | |
| Falcon Pd® | 8GTR 12 | 1637 | 1139 | 925 | 641 | 569 | 427 | 0.058 |
| | 8GTR 21 | 2918 | 2046 | 1673 | 1174 | 1050 | 801 | 0.101 |
| | 8GTR 36 | 5053 | 3559 | 2918 | 2064 | 1850 | 1423 | 0.174 |
| | 8GTR 62 | 8754 | 6180 | 5077 | 3606 | 3238 | 2503 | 0.301 |
| | 14GTR 20 | 2518 | 1877 | 2019 | 1450 | 1806 | 1308 | 0.159 |
| | 14GTR 37 | 4817 | 3632 | 3895 | 2842 | 3500 | 2578 | 0.293 |
| | 14GTR 68 | 9008 | 6831 | 7315 | 5379 | 6589 | 4895 | 0.539 |
| | 14GTR 90 | 11983 | 9101 | 9742 | 7179 | 8781 | 6539 | 0.713 |
| | 14GTR 125 | 16716 | 12713 | 13603 | 10044 | 12268 | 9154 | 0.991 |
| Blackhawk Pd® | 8MBH 12 | 796 | 583 | 583 | 441 | 441 | 298 | 0.058 |
| | 8MBH 22 | 1533 | 1106 | 1034 | 750 | 821 | 607 | 0.107 |
| | 8MBH 35 | 2396 | 1684 | 1684 | 1186 | 1328 | 972 | 0.170 |
| | 8MBH 60 | 4128 | 2918 | 2918 | 2064 | 2277 | 1637 | 0.292 |
| | 14MBH 20 | 2458 | 1746 | 1817 | 1319 | 1533 | 1106 | 0.161 |
| | 14MBH 42 | 5191 | 3696 | 3839 | 2771 | 3269 | 2344 | 0.338 |
| | 14MBH 65 | 7989 | 5712 | 5996 | 4288 | 5071 | 3577 | 0.522 |
| | 14MBH 90 | 11063 | 7931 | 8287 | 5938 | 7006 | 5013 | 0.722 |
| | 14MBH 120 | 14821 | 10551 | 11049 | 7847 | 9270 | 6637 | 0.963 |
| Hawk Pd® | 8M 20 | 993 | 708 | 851 | 637 | 779 | 566 | 0.120 |
| | 8M 30 | 1525 | 1098 | 1311 | 955 | 1240 | 884 | 0.180 |
| | 8M 50 | 2589 | 1877 | 2304 | 1664 | 2091 | 1521 | 0.299 |
| | 8M 85 | 4593 | 3241 | 4024 | 2885 | 3668 | 2600 | 0.509 |
| | 14M 40 | 3168 | 2242 | 2527 | 1815 | 2100 | 1531 | 0.386 |
| | 14M 55 | 4739 | 3387 | 3743 | 2675 | 3173 | 2248 | 0.530 |
| | 14M 85 | 7879 | 5602 | 6242 | 4463 | 5246 | 3751 | 0.820 |
| | 14M 115 | 11021 | 7889 | 8743 | 6252 | 7320 | 5185 | 1.109 |
| | 14M 170 | 16970 | 12130 | 13554 | 9639 | 11418 | 8144 | 1.639 |

PART NUMBER

TensionRite Belt Frequency Meter (PN 20278454)

The TensionRite Belt Frequency Meter can be used to tension all belts including Goodyear Falcon Pd and other timing belts.

For the meter to read belt strand tension in Newtons, the only inputs required are specific belt mass (kg/m) and span length (m).

The best strand tension in Newtons is provided in the adjacent table along with the specific mass of the belt (kg/m).

The microcontroller-based TensionRite Belt Frequency Meter measures belt vibrating frequency with a highly sensitive sensor and provides an easy and accurate means of tensioning the belt to the correct installation tension.

CAUTION: Tension measurements should not be taken while the belt is running.



GENERAL INFORMATION

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. Goodyear offers three different tension gauges for properly tensioning Eagle Pd, Hawk Pd, or Blackhawk Pd belts. See your Goodyear sales representative or your local Goodyear power transmission distributor for more information on the tension gauges listed on this page.



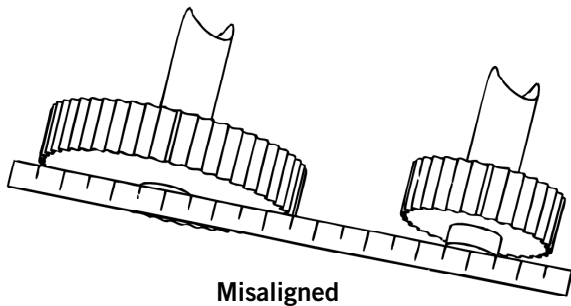
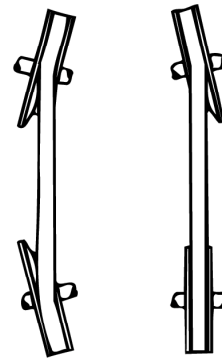
TECHNICAL INFORMATION

DRIVE ALIGNMENT

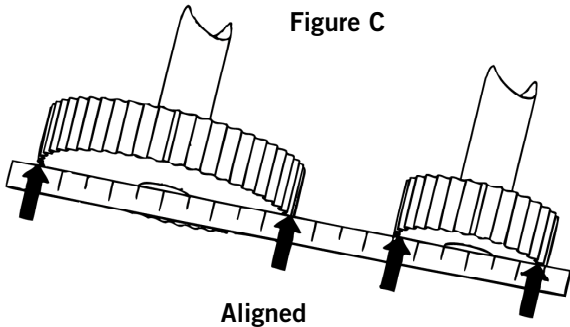
Synchronous belts are very sensitive to misalignment. The tension carrying member has a high tensile strength and resistance to elongation, resulting in a very stable belt product. Any misalignment will lead to inconsistent belt wear, uneven load distribution, and premature tensile failure. In general, synchronous drives should not be used where misalignment is a problem. Misalignment should be limited to 1/3 degree or

1/16 inch per foot of center distance.

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 A**Figure B**

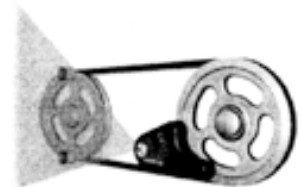
Any degree of misalignment will reduce belt life and cause edge wear. Therefore, a straightedge should be used to check proper alignment verifying that sprockets and shafts are parallel, as in Figure C.

Figure C**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's 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

GOODYEAR Pd™ CAUSES OF PREMATURE FAILURE

| Type of Failure | Cause of Failure | Corrective Action | | | | | | | | | | | | | |
|--------------------------|---|-------------------|----------------|-------------------------|-----------------------------------|------------------|-------------------------------|--------------------------------|-------------------------|----------------------------------|-----------------------------------|------------------------------|--------------------------|------------------|----------------|
| | | Check Alignment | Adjust Tension | Check Horsepower Rating | Check Belt/Sprocket Compatibility | Replace Sprocket | Use Correct Sprocket Diameter | Eliminate or Control Condition | Clean and Protect Drive | Follow Proper Handling Procedure | Reinstall, Replace, Repair Flange | Remount Bushing and Sprocket | Change Sprocket Material | Use Inside Idler | Redesign Drive |
| Excessive Edge Wear | Misalignment or Improper Tracking | • | | | | | | | | | | | | | |
| | Bent or Rough Flange | | | | | | | | | • | | | | | |
| | Damage Due to Handling | | | | | | | | • | | | | | | |
| | Belt Too Wide | | | | • | | | | | | | | | | |
| | Low Belt Tension | | • | | | | | | | | | | | | |
| | Belt Hitting Obstruction | | | | | | | | • | | | | | | |
| Excessive Tooth Wear | Excessive Load | | | • | | | | | | | | | | | |
| | Belt Overtensioned/Undertensioned | | • | | | | | | | | | | | | |
| | Rough or Damaged Sprocket | | | | | • | | | | | | | | | |
| | Partial Belt Engagement | • | | | | | | | | | | | | | |
| | Bushing/Sprocket Assembly | | | | | | | | | | • | | | | |
| | Misalignment | • | | | | | | | | | | | | | |
| | Incorrect Match of Belt and Sprocket | | | | • | | | | | | | | | | |
| | Worn Sprocket | | | | | • | | | | | | | | | |
| | Sprocket Out of Tolerance | | | | | • | | | | | | | | | |
| | Soft Sprocket Material | | | | | | | | | | | • | | | |
| Apparent Belt Elongation | Debris in Sprocket | | | | | | | | • | | | | | | |
| | Change in Center Distance | | • | | | | | | | | | | | | |
| | Center Distance Fluctuates | | | | | | | | | | | | | • | |
| | Weak Drive Structure or Mounts | | | | | | | | | | | | | • | |
| | Worn Sprocket | | | | | • | | | | | | | | | |
| | Debris in Sprocket | | | | | | | | • | | | | | | |
| | Excessive Load | | | • | | | | | | | | | | | |
| | Sprocket Diameter below Minimum Recommendation | | | | | | • | | | | | | | | |
| | Excessive Low or High Temperature (-30°F to +170°F) | | | | | | | • | | | | | | | |
| Cracks in Backing | Exposure to Oil, Solvents, Harsh Chemicals | | | | | | | • | | | | | | | |
| | Excessive Low or High Temperature | | | | | | | • | | | | | | | |
| | Sprocket Diameter below Minimum Recommendation | | | | | | • | | | | | | | | |
| | Backside Idler | | | | | | | | | | | • | | | |
| | Exposure to Oil, Solvents, Harsh Chemicals | | | | | | | • | | | | | | | |

GENERAL INFORMATION



TECHNICAL INFORMATION

GOODYEAR Pd™ CAUSES OF PREMATURE FAILURE

| Type of Failure | Cause of Failure | Corrective Action | | | | | | | | | | | | | |
|---------------------------|--|-------------------|----------------|-------------------------|-----------------------------------|------------------|-------------------------------|--------------------------------|-------------------------|----------------------------------|-----------------------------------|------------------------------|--------------------------|------------------|----------------|
| | | Check Alignment | Adjust Tension | Check Horsepower Rating | Check Belt/Sprocket Compatibility | Replace Sprocket | Use Correct Sprocket Diameter | Eliminate or Control Condition | Clean and Protect Drive | Follow Proper Handling Procedure | Reinstall, Replace, Repair Flange | Remount Bushing and Sprocket | Change Sprocket Material | Use Inside Idler | Redesign Drive |
| Tooth Shear | Excessive Load/Shock Load | | | ● | | | | | | | | | | | |
| | Sprocket Diameter Below Minimum Recommendation | | | | | ● | | | | | | | | | |
| | Less Than 6 Teeth in Mesh | | | ● | | | | | | | | | | | |
| | Excessive Sprocket Runout | | | | | ● | | | | | | | | | |
| | Worn Sprocket | | | | | ● | | | | | | | | | |
| | Backside Idler | | | | | | | | | | | | | ● | |
| | Incorrect Match of Belt and Sprocket | | | | ● | | | | | | | | | | |
| Tensile Failure | Misalignment | ● | | | | | | | | | | | | | |
| | Belt Overtensioned/Undertensioned | | ● | | | | | | | | | | | | |
| | Excessive Load/Shock Load | | | ● | | | | | | | | | | | |
| | Sprocket Diameter Below Minimum Recommendation | | | | | ● | | | | | | | | | |
| | Damage Due to Handling | | | | | | | | ● | | | | | | |
| | Debris in Sprocket or Drive | | | | | | | ● | | | | | | | |
| | Excessive Sprocket Runout | | | | | ● | | | | | | | | | |
| Excessive Drive Noise | Misalignment | ● | | | | | | | | | | | | | |
| | Belt Overtensioned/Undertensioned | | ● | | | | | | | | | | | | |
| | Excessive Load | | | ● | | | | | | | | | | | |
| | Sprocket Diameter Below Minimum Recommendation | | | | | ● | | | | | | | | | |
| | Backside Idler | | | | | | | | | | | | | ● | |
| | Worn Sprocket | | | | | ● | | | | | | | | | |
| | Damaged Flange | | | | | | | | | ● | | | | | |
| | Excessive Belt Speed | | | | | | | | | | | | | | ● |
| | Incorrect Match of Belt and Sprocket | | | | ● | | | | | | | | | | |
| Unmounting of Flange | Misalignment | ● | | | | | | | | | | | | | |
| | Flange Incorrectly Mounted | | | | | | | | | ● | | | | | |
| Belt Tracking | Misalignment | ● | | | | | | | | | | | | | |
| | Center Distance Exceeds 8X Small Sprocket Diameter | ● | | | | | | | | | | | | | |
| Excessive Pulley Wear | Soft Sprocket Material | | | | | | | | | | | ● | | | |
| | Excessive Load | | | ● | | | | | | | | | | | |
| | Misalignment | ● | | | | | | | | | | | | | |
| | Debris in Sprocket | | | | | | | ● | | | | | | | |
| | Belt Overtensioned/Undertensioned | | ● | | | | | | | | | | | | |
| | Incorrect Match of Belt and Sprocket | | | | ● | | | | | | | | | | |
| Excessive Drive Vibration | Bushing/Sprocket Assembly | | | | | | | | | | ● | | | | |
| | Incorrect Match of Belt and Sprocket | | | | ● | | | | | | | | | | |
| | Belt Overtensioned/Undertensioned | ● | | | | | | | | | | | | | |

MANDREL QUANTITY REQUIREMENTS

FOR SPECIAL LENGTH OR MADE-TO-ORDER BELTS.*

Quantities subject to change without notification. 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™ Belts Envelope | | 124" | 124"-300" | 301" & Up |
|-----------------------------|----|------|-----------|-----------|
| | 3V | 88 | 176 | --- |
| | 5V | 50 | 100 | 50 |
| | 8V | 34 | 64 | 32 |

| 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 | | | |
|--|----------|------|-----------|-----------|-----------|-----|
| | 25" | 118" | 116"-123" | 124"-300" | 301" & Up | |
| | 3VX | 95 | 3V | 88 | 176 | --- |
| | 5VX | 54 | 5V | 50 | 100 | 50 |
| (Including Torque-Team Plus and Laminated) | 8V | --- | 8V | 32 | 64 | 32 |
| | AX | 60 | A | 68 | 135 | --- |
| | BX | 50 | B | 50 | 100 | 50 |
| | CX | 36 | C | 42 | 64 | 32 |
| | 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 |

*2Ls unavailable in Envelope Construction.

| FHP Cut-Edge | 12"-116" Length |
|--------------|-----------------|
| 2L | 152 |
| 3L | 98 |
| 4L | 79 |
| 5L | 63 |

| Torque Flex® Belts | 116" | Under 123" | 116"-300" | 124"-301" & Up |
|--------------------|------|------------|-----------|----------------|
| AX | | 73 | 73 | 135 |
| BX | | 57 | 57 | 100 |
| CX | | 42 | 42 | 64 |
| DX | | --- | 24 | 48 |

| Positive Drive Belting** | Under 120" | Profile | 120" & Up |
|------------------------------------|------------|---------|-----------|
| Standard Positive Drive | 26" | MXL | n/a |
| | 26" | XL | n/a |
| | 26" | L | n/a |
| | 26" | H | 13" |
| | 26" | XH | 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" |

| Variable Speed Belts | Any Length 38" Wide Mandrel** | | |
|----------------------|-------------------------------|-----------|-----------|
| Hex Belts | 0-123" | 124"-300" | Over 300" |
| | AA | 67 | 118 |
| | BB | 49 | 94 |
| | CC | 34 | 60 |

| 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 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

1. 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 5L, B, BX, 3V 9R, 13R, 13C, 13CX, 13D 16R, 16C, 16CX, 9N | Under 60 | Under 1,500 | 0 | 1 |
| | 60 up to 120 | 1,500 up to 3,000 | 1 | 3 |
| | 120 up to 180 | 3,000 up to 4,600 | 2 | 5 |
| | 180 and over | 4,600 and over | 3 | 7 |
| BB, C, CX 5V 16D, 22C, 22CX 15N | Under 75 | Under 1,900 | 0 | 1 |
| | 75 up to 144 | 1,900 up to 3,700 | 1 | 3 |
| | 144 up to 240 | 3,700 up to 6,000 | 2 | 5 |
| | 240 and over | 6,000 and over | 3 | 7 |
| CC, D 22D, 32C | Under 120 | Under 3,000 | 0 | 1 |
| | 120 up to 240 | 3,000 up to 6,100 | 1 | 3 |
| | 240 up to 330 | 6,100 up to 8,400 | 2 | 5 |
| | 330 up to 420 | 8,400 up to 10,600 | 3 | 7 |
| 8V (25N) | 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 |
| | 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.)

2. 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.

3. 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 eight 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 eight 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, 1997



GOODYEAR MATCHMAKER[®] SYSTEM

Controlling the elongation is the key to matchless performance. Since all materials will elongate in performance, the secret to reliable matchless performance isn't to eliminate elongation, but to control it so it is minimal, predictable, and uniform.

Goodyear's Vytacord tensile members are treated with our 3-T process of:

- Temperature
- Tension
- Time

The 3-T process removes excess elongation and imparts exceptional dimensional stability. The 3-T process ensures that each belt in a given size will match every other belt of that size, no matter when the belts were produced.

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, 1991
Engineering Standard "Envelope Narrow V-Belts and Sheaves"

Goodyear Matchmaker Matching Limits

| Belt Standard Effective Lengths | Range |
|---------------------------------|--------------|
| 0" to 59" - 63/64" | 4mm (.158") |
| 60" to 118" - 63/64" | 6mm (.236") |
| 119" to 236" - 63/64" | 10mm (.392") |
| 237" to 474" - 63/64" | 16mm (.630") |
| 475" and up | 24mm (.944") |

Meets MPTA-RMA-RCA Engineering Standards for Envelope Narrow V-Belts, 1991

The above "Matchmaker" matching tolerances apply to the following Goodyear belts:

- HY-T Plus (A, B, C, D, and E)
- Torque-Flex (AX, BX, and CX)
- HY-T Wedge (3VX, 3V, 5VC, 5V, and 8V)
- Torque Team (HY-T and HY-T Wedge)

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 stock belts manufactured by Goodyear 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 a manufacturer for recommendations.

Source: RMA 1P-3-2, 1997



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.

This demand for so-called "Static Conductive" belts has brought up many questions. The Goodyear Development Department has made tests, both in the laboratory and in the field, designed to find out just what the hazards connected with operating under such conditions are and how far we can go in eliminating them.

Below, we hope to outline, in nontechnical terms, the results of these tests.

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.

In one test, we pumped static from a static-generating machine into the belts and found that it would ground out through the pulleys with resistances as high as 80,000,000 ohms.

We have actually produced belts having resistance as low as 2,000 ohms for an 8.5 in. length. To produce results this low, however, a heavily loaded stock is required and the flex life is correspondingly reduced.

The Goodyear conductive belts are checked before shipment by the Approved RMA Method as recognized throughout the industry. Basically this consists of measuring the resistance in the belt between 0.62 in. diameter wet contacts and 8.5 in. on centers. The upper limit is set at 6,000,000 ohms. Our test shows that if properly used, these belts will remain conductive throughout their life.

This 6,000,000-ohms maximum limit is accepted by RMA and industry for all Static Conductive Belts. 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 be 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 secure a static voltmeter and 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.

Edited and Revised January 1996.

PRICE PUBLICATIONS**Books:**

- _____ Power Transmission Products U.S. List Price Catalog
- _____ Power Transmission Metal Drive Components List Price Catalog
- _____ Power Transmission Products - Flat Belt Pricing Guide
- _____ Power Transmission Products - Export List Price Catalog

Material #

- 70082194714500 (.pdf version only)
- 70082194716800
- 70082194738700 (.pdf version only)
- 70082184738600 (.pdf version only)

TENSIONRITE™ TENSIONING/ALIGNMENT MATERIALS**Items:**

- _____ TensionRite Belt Frequency Meter 62420000050000
- _____ TensionRite Eagle Tension Tester (Large 200 capacity with instructions) 62499000300000
- _____ TensionRite Eagle Tension Tester (Small pencil-type with instructions) 62499000200000
- _____ TensionRite Large Tension Tester (Instructions included) 52290800500000
- _____ TensionRite Small Tension Tester (Instructions included) 52290800300000
- _____ TensionRite Gauges (3 x 5 1/2" Card) / 50 per pack for Banded Belts 70082194715000
- _____ TensionRite Gauges (3 x 5 1/2" Card) / 50 per pack for V-Belts 70082194715700
- _____ TensionRite Counter/Wall Display (Holds 50 Gauges) 70082194714900
- _____ Laser Alignment Tool 52290800800000

GENERAL SALES MATERIALS**Product Specific Literature:**

- _____ Falcon Pd Flyer 70082194746400
- _____ Goodyear PTP Product Catalog (Includes the complete line) 70082194707100
- _____ Eagle Pd Brochure (Sell the features and benefits of the Eagle system) 70082194706700
- _____ TensionRite Brochure (Sell the features and benefits of TensionRite) 70082194714800
- _____ Double Your Money Warranty On V-Belts 70082194722600

Market Specific Literature:

- _____ Crushed Rock & Aggregate Industry PT Belts 70082194752700
- _____ Torque Team Laminated (5VL) - Chip & Saw Belt 70082194722600
- _____ Wood Industry PT Belts 70082194720200

APPLICATION**Engineering Manuals:**

- _____ Industrial V-Belts 70082194705000
- _____ Positive Drive Belts 70082194768600
- _____ Hi-Performance Positive Drive 70082194725600
- _____ Synchronous Belts 70082194708000

Application/Cross Reference Materials:

- _____ Industrial Belt Wall Chart Product Reference (Includes all PTP Belts) 70082194701000
- _____ Variable Speed Application Guide 70082194711100
- _____ Car & Light Truck Application Guide (Current to 1994) 52098980600000
- _____ Car & Light Truck Application Guide (1993 and prior) 52098984300000
- _____ Medium to Heavy Duty Truck Application Guide (Current to 1990) 52098980700000
- _____ Medium to Heavy Duty Truck Application Guide (1989 and prior) 52098930000000
- _____ Sports Vehicles (Snowmobile) Application Guide 52098980900000

Software:

- _____ MAXIMIZER Drive Analysis Software Program Contact Goodyear
- _____ MAXIMIZER Drive Data Gathering Form 70082194768000

PRODUCT TRAINING

- _____ Power Transmission Products Home Study Course 70150885300000
- _____ Positive Drive Belt Training 70150887700000
- _____ V-Belt Install & Maintenance Video 70082194729100
- _____ Installation, Maintenance & Troubleshooting Guide 70082194750600

MISCELLANEOUS SALES SUPPLIES & TOOLS

- _____ Eagle Demo Kit 62499000800000
- _____ Straight Edge Alignment Tool (Critical for ensuring drive alignment) 62499000500000
- _____ Eagle Pd Energy Savings Calculator 62499000400000
- _____ Eagle Counter Mat (Counter mat that promotes Eagle Pd) 70082194706900
- _____ Synchronous Belt Profile Gauge (Has all synchronous profiles) 62499000100000
- _____ Laser Alignment Tool 52290800800000
- _____ "V" Profile Sheave Gauge 52290800400000
- _____ Automotive & FHP Belt Measuring Gauge 52098080000000



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.

U.S.A.

U.S.A.

1-800-869-0435

FAX 1-800-228-3148

CANADA

1-888-275-4397

FAX 1-888-464-4397

GOODYEARPTP.COM

05GPTP030
04/06