

# TIMKEN BELTS

*The Right Belt for the Job<sup>®</sup>*



# TIMKEN BELTS

Timken Belts is a worldwide supplier of industrial belts and related components. For more than 100 years, Timken Belts has adhered to a strict philosophy of supplying innovative products, unrivaled quality, and superior customer service. We sell to original equipment manufacturers and to distributors who seek the optimum in quality and service. Our focus is on quality, performance, delivery and support.

The depth and breadth of our product line allows us to handle virtually any application in key markets.

- Aggregate & Mining
- Agriculture
- Energy (Oil & Gas)
- Food & Beverage
- Forestry Products Machinery
- HVAC/R
- Industrial Equipment
- Outdoor Power Equipment
- Powersports

Timken Belts offers a comprehensive line of premium quality products that are made in ISO certified manufacturing facilities by a team dedicated to satisfying our customers.

## Multi-Site ISO 9001:2015 Certified

Timken Belts manufacturing facilities and technical center are certified as compliant with the International Standard ISO 9001:2015. ISO registration ensures that organizations understand their key quality processes, that the processes are implemented and followed by everyone in the organization and that the processes are documented and maintained to a degree that they can be demonstrated to an outside agency.

## Drive Engineer®

Drive Engineer® is a mobile web application that delivers robust belt drive design and analysis to your desktop or mobile device.

The package includes information about part numbers, horsepower capacity, warnings for drive limits, service factors, hub loads, bushings, diameters, center distance and tensioning – in short, everything needed to design a maximum-efficiency drive system.

Go to [www.driveengineer.com](http://www.driveengineer.com) for this handy tool and begin designing, analyzing and improving your drive system efficiency today.

## Timken Belts

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Springfield, Missouri 65807  
Email: [belts@timken.com](mailto:belts@timken.com)



## Proudly Made in the USA

Timken belts are made by a dedicated team of skilled engineers, technicians, and craftsmen who take pride in every belt.

Supported by innovative research and development, each Timken belt that is made in the USA is clearly identified with the Made in USA logo, star icon, or Made in USA text.

## chekmate

### Chek Mate® V-Belt Matching

Chek Mate® matching is a Timken manufacturing process that holds v-belt lengths within the Association for Rubber Products Manufacturers (ARPM) tolerances for a matched set. Matching numbers are not required on Timken belts which carry the distinctive Chek Mate logo or icon.

## Performance Driven. Performance Proven.

It's no accident that Timken belts are built to outlast and outperform competitor's belts. Every Timken belt is the result of science, engineering, and years of experience. Timken's innovative product development, specially formulated components, time-tested methods, and state-of-the-art manufacturing techniques set us apart from the competition. The team of belt experts at the Technical Center in Springfield, Missouri is dedicated to the development and testing of new and existing products to assure that Timken belts provide outstanding performance in a multitude of the toughest, most demanding applications.



# The Right Belt for the Job<sup>®</sup>

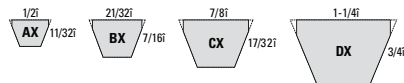
Performance Driven. Performance Proven.

## GOLD-RIBBON<sup>®</sup> COG-BELT<sup>®</sup>



The Energy Saver! Unique construction combines the superior flexing of precision molded cogs with the tenacious gripping power of raw edge sidewalls to provide high efficiency, superior power ratings and long life. Made of Ethylene Propylene Diene Monomer (EPDM) – durable, static conductive and resistant to heat, hardening and glazing.

**Size Range: 20 - 330 inches**

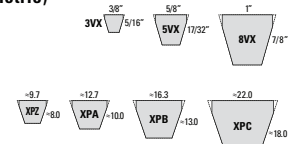


## POWER-WEDGE<sup>®</sup> COG-BELT<sup>®</sup>



More Grip. Less Slip. Combines the advantages of EPDM and the narrow wedge design with raw edge performance for maximum operating efficiency in a compact drive package. Higher horsepower ratings translate into greater design flexibility.

**Size Range: 25 - 200 inches (Imperial)  
630 - 5000 mm (Metric)**

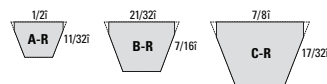


## SUPER II<sup>®</sup> V-BELT



The Problem Solver! Specially formulated fiber-loaded EPDM rubber compounds, engineered fabrics and high-modulus polyester cord offer greater strength, longer life, better heat dissipation and higher efficiencies than best-in-class wrapped v-belts. The unique central neutral axis (CNA) cord placement positions the strength of the belt lower on the pulleys to maintain stability and flexibility.

**Size Range: 21 - 195 inches**

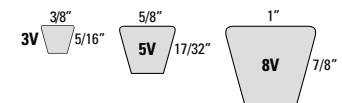


## SUPER POWER-WEDGE<sup>®</sup> V-BELT



The Super Power-Wedge v-belt enables design of a more compact drive. It's ideal for heavy duty industrial drives with shock loads. A stress-relieved fabric-wrapped cover provides superior wear characteristics and resistance to oil, heat, grease and ozone. Proven wedge cross-section provides controlled power transfer.

**Size Range: 50 - 500 inches**

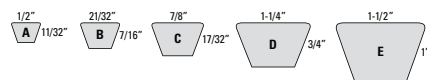


## SUPER BLUE RIBBON<sup>®</sup> V-BELT



Super Blue Ribbon v-belts are built to the highest standards in the industry. The cord is coated with a special compound that produces a secure, long-lasting bond with the surrounding rubber. The heavy-duty fabric cover protects the core. Long belt life results in less frequent replacement, less downtime and lower maintenance costs.

**Size Range: 20 - 660 inches**

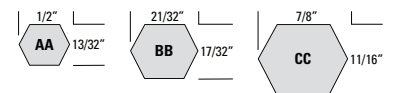


## DOUBLE ANGLE V-BELT



Ideally suited for serpentine drives where power needs to be transmitted equally from both sides of the belt. The premium cover material is resistant to abrasive wear, heat, ozone, grease, and oil. The centrally located cord and special synthetic rubber compound assures long belt life and smooth, capable horsepower capacity.

**Size Range: 51 - 420 inches**

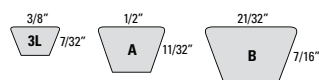


## ARAMAX<sup>®</sup> XTRA DUTY V-BELT



Aramax v-belts are designed for outdoor power equipment, featuring a brown smooth clutching cover and strong aramid cord. The high performance construction is specifically designed for aggressive applications with heavy shock loads to deliver high horsepower, minimal stretch and long service life.

**Size Range: 15 - 100 inches**

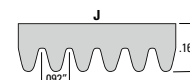


## VEE-RIB BELT



Vee-Rib belts are ideally suited for extreme high speed drives where conventional v-belts cannot operate. The Vee-Rib belt provides smooth, vibration-free performance in a compact drive. The special "truncated" rib design enhances belt flexibility and resists cracking.

**Size Range: 14 - 98 inches**

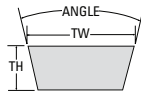


## VARIABLE SPEED COG-BELT®



Timken Belts is a leader in variable speed belt technology. For use with industrial variable speed pulleys to gain a wide range of driven speeds. Raw edge sidewalls improve gripping action. Made of EPDM which is durable, static conductive and resistant to heat, hardening and glazing.

**Size Range: 21 - 169 inches**

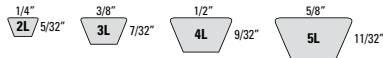


## DURAPOWVER® II FHP V-BELT



Combines the advantages of EPDM, raw edge technology and a unique CNA construction for superior performance and efficiency. A real heavyweight in the HVAC and light duty v-belt arena, Durapower II v-belts reduce maintenance and downtime with an efficient, long lasting belt.

**Size Range: 11 - 85 inches**



## GOLD-RIBBON® COG-BAND®



This is the banded version of the "Energy Saver," combining the long life, energy savings, and superior operating characteristics of the Gold-Ribbon Cog-Belt with the stability of a banded belt. The Gold-Ribbon Cog-Band minimizes belt whip and rollover on long center distance drives.

**Size Range: 51 - 195 inches**



## POWER-WEDGE® COG-BAND®



This is the banded version of the Power-Wedge Cog-Belt. It combines the superior flexing and controlled grip of the Power-Wedge Cog-Belt with the qualities of a banded belt to minimize belt whip and turnover. The Power-Wedge Cog-Band also provides outstanding resistance to oil, heat and harsh environmental conditions.

**Size Range: 25 - 200 inches**

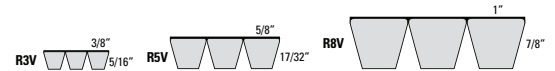


## SUPER POWER-WEDGE® BAND



Banded version of Super Power-Wedge. An excellent choice for narrow multiple belt drives where belt whip and turnover are a problem. The tie-band process assures smooth, trouble-free service. Banded belts are ideally suited for pulsating or heavily shock loaded drives and drives with long center distances.

**Size Range: 33 - 660 inches**



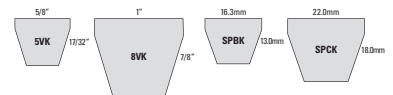
## ARAMAX® SUPER POWER-WEDGE® BAND



Aramax Super Power-Wedge Band is designed for extraordinary strength on the toughest drives. It's ideally suited for oil field equipment, quarry applications, forestry industry drives and heavy machinery.

Aramid cord provides maximum protection against belt breakage and shock loads.

**Size Range: 150 - 560 inches**



## CHIPPER DRIVE WEDGE-BAND



Specially designed and constructed to meet the unique demands of the forestry industry. It's designed to slip during "overload" or drive stall conditions. By allowing the belt to have controlled slippage, less heat is generated, which results in longer belt life.

**Size Range: 80 - 170 inches**



## SUPER BLUE RIBBON BAND®



Banded version of Super Blue Ribbon belt. It's an ideal choice on classical v-belt drives where individual belts tend to rollover or whip severely due to fluctuating load conditions or harsh drive vibration. The individual ribs are permanently joined together at the top with a reinforced fabric tie-band. Super Vee-Band belts also provide oil and heat resistance and static dissipation.

**Size Range: 35 - 660 inches**

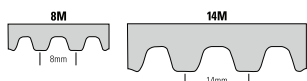


## PANTHER® XT SYNCHRONOUS BELT



The Panther XT extreme torque synchronous belt is a powerful alternative to chain or a drop-in replacement for high torque polyurethane belts. Carbon cord construction and abrasion resistant tooth fabric contribute to longer belt life and reduced maintenance, downtime and noise levels.

**Size Range: 640 - 4410mm**



## PANTHER® SYNCHRONOUS BELT



Panther belts feature Ultra-Cord® and an advanced polymer compound that delivers strength and dimensional stability. Engineered with special fabric for quiet performance and reduced wear, Panther belts are designed to improve performance and drive life while reducing maintenance and downtime.

**Size Range: 480 - 4600mm**

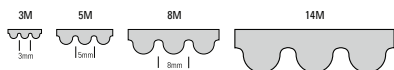


## SYNCHRO-COG® HT SYNCHRONOUS BELT



Designed for medium torque applications, Synchro-Cog HT delivers trouble free power transmission with a smooth and quiet drive system. The belts are made of fiberglass cord that is treated to assure length stability, flexibility, and strength. The teeth are precisely formed and accurately spaced for smooth, uniform transfer of power and resistance to shear.

**Size Range: 144 - 6860mm**

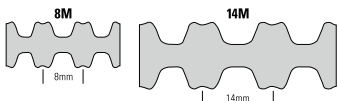


## DUAL RPP® SYNCHRONOUS BELT



Proven performance from both sides of the belt for greater flexibility and efficiency in your drive design. The dual sided construction allows 100% load capacity on both sides for serpentine style synchronous drives. The belt features an advanced polymer construction, strong fiberglass cords, and a wear resistant nylon tooth facing.

**Size Range: 720 - 4956mm**

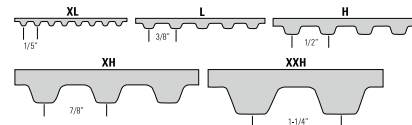


## SYNCHRO-COG® TIMING BELT



The Synchro-Cog Timing Belt has a trapezoidal tooth profile for traditional synchronous applications. Synchro-Cog belts feature full neoprene construction, high quality fiberglass cords and a tough nylon tooth facing. Excellent choice for maintenance-free performance.

**Size Range: 5 - 180 inches**

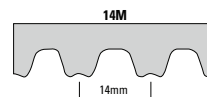


## AIR-COOLED HEAT EXCHANGER (ACHE) BELT

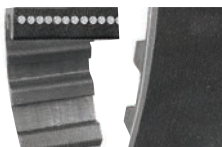


ACHE belts are designed for air-cooled heat exchangers. The belt is built with only "Z" twist cords. This gives the belt an upward direction that helps keep the belt off the bottom flanges, reducing excessive wear on the bottom side of the belt.

**Size Range: 2800 - 4326mm**

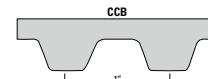


## COTTON DRIVE® TIMING BELT



Special 1" pitch timing belts designed for exact OE replacement on harsh cotton gin drives.

**Size Range:  
61 - 65 inches**

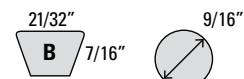


## SUPER ARC® BELT



Designed for live/powered roller conveyor drives.

**Size Range:  
135 - 660 inches (B)  
155 - 447 (9/16)**



## DRY CAN BELT



The original deep groove notched belt design developed for textile industry double angle "CC" drives.

**Size Range: 210 - 900 inches**

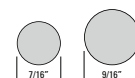


## ROUND BELT



A high performance solution for conveyors, quarter-turn, twisted, and serpentine drives.

**Size Range: 70 - 762 inches**



# Quick Reference Guide

## HEAVY DUTY V-BELTS

### Gold-Ribbon® Cog-Belt®



The Energy Saver! Provides longer belt life, higher efficiency, and greater horsepower ratings than wrapped v-belts. (AX, BX, CX, DX)

### Super II® V-Belt



The Problem Solver! The solution to the constant and costly problem of replacing ordinary v-belts on troublesome drives. (A-R, B-R, C-R)

### Super Blue Ribbon® V-Belt



A superior wrapped belt. The ideal choice for dependable and economical performance. (A, B, C, D, E)

### Aramax® Xtra Duty V-Belt



For outdoor power equipment and aggressive applications with heavy shock loads. Aramid cord delivers high HP, minimal stretch and long service life. (3L, AK, BK)

### Power-Wedge® Cog-Belt®



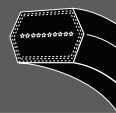
Combines narrow belt wedge design with raw edge performance for maximum operating efficiency in a compact drive package. (3VX, 5VX, 8VX)

### Super Power-Wedge® V-Belt



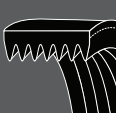
Narrow, wrapped belt enables design of a more compact belt drive. Ideal for heavy duty industrial drives with shock loads. (3V, 5V, 8V)

### Double Angle V-Belt



Ideally suited for serpentine drives where power needs to be transmitted equally from both sides of the belt. (AA, BB, CC)

### Vee-Rib Belt



Provides smooth, vibration-free performance in a compact drive. Ideally suited for high speed drives where conventional v-belts cannot operate. (J)

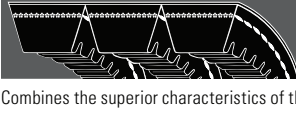
### Variable Speed Cog-Belt®



For use with variable pitch pulleys to gain a wide range of driven speeds. Broad selection of cross-sections, top widths and lengths.

## BANDED BELTS

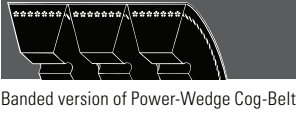
### Gold-Ribbon® Cog-Band®



EPDM

Combines the superior characteristics of the Gold-Ribbon Cog-Belt with the stability of a banded belt. Reduces belt whip and turnover. (RBX, RCX)

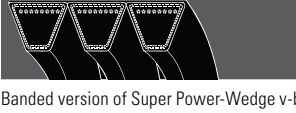
### Power-Wedge® Cog-Band®



EPDM

Banded version of Power-Wedge Cog-Belt. EPDM construction. Belt whip and turnover are minimized. (R3VX, R5VX)

### Super Power-Wedge® Band



Banded version of Super Power-Wedge v-belt. Minimizes belt whip and turnover. (R3V, R5V, R8V)

### Aramax® Super Power-Wedge Band®



Designed for extraordinary strength on the toughest belt drives. Reduces belt whip and turnover. (R5VK, R8VK)

### Chipper Drive Wedge-Band®



Specially designed and constructed to meet the unique demands of forestry products machinery and equipment. Belt whip and turnover are minimized. (R5VL)

### Super Blue Ribbon Band®



Banded version of Super Blue Ribbon v-belt. Belt whip and turnover are minimized. (RB, RC, RD)

## LIGHT DUTY V-BELTS

### Durapower® II FHP V-Belt



Raw edge EPDM construction improves efficiency, performance and belt life. (2L, 3L, 4L, 5L)

## SYNCHRONOUS BELTS

### Panther® XT Synchronous Belt



PANTHER XT

Extreme torque synchronous belt with carbon cord is a powerful alternative to chain or a drop-in replacement for high torque polyurethane belts. (8M, 14M)

### Panther® Synchronous Belt



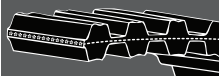
Designed to improve performance and drive life while reducing maintenance and downtime. (8M, 14M, 20M)

### Synchro-Cog® HT Synchronous Belt



Delivers trouble-free power transmission with a smooth, quiet and efficient drive system. (3M, 5M, 8M, 14M)

### Dual RPP® Synchronous Belt



Provides synchronized transfer of power from both sides of the belt for greater flexibility and efficiency in your drive design. (8M, 14M)

### Synchro-Cog® Timing Belt



Trapezoidal tooth profile for clean, quiet operation on applications where synchronization between the driver and driven unit is required. (XL, L, H, XH, XXH)

### Air-Cooled Heat Exchanger (ACHE) Belt



ACHE belts have a special "Z" twist cord construction designed to reduce excessive wear on the bottom side of the belt. (14M)

## SPECIALTY BELTS

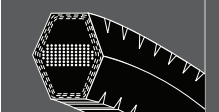
### Cotton Drive® Belt

### Super Arc® Belt



### Dry Can Belt

### Round Belt



**TIMKEN BELTS**

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

[www.timkenbelts.com](http://www.timkenbelts.com)