

CARLISLE

BELTS BY TIMKEN

The Right Belt for the Job[®]





BELTS BY TIMKEN

Timken Belts offers a comprehensive line of Carlisle brand belts that are made in ISO registered manufacturing facilities by a team dedicated to satisfying our customers.

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

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

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.

Multi-Site ISO 9001 Registration

Timken Belts manufacturing facilities and technical center are registered as compliant with the International Standard ISO 9001. ISO 9001 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.

Timken Belts

2601 West Battlefield Road
Springfield, Missouri 65807

Email: belts@timken.com



Proudly Made in the USA

Carlisle belts by Timken 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 Carlisle belt that is made in the USA is clearly identified with the Made in USA logo, star icon, or Made in USA text. ★



Chek Mate® V-Belt Matching

Chek Mate® matching is a 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 Carlisle belts which carry the distinctive Chek Mate logo or icon.



All Carlisle belts are backed by our Iron Clad Guarantee*

If you are not completely satisfied with the performance of a Carlisle belt when properly installed on a drive, return it to your authorized Carlisle distributor who will replace the product or refund the original purchase price.

*Complete warranty terms and conditions can be found in our catalog or online at www.carlislebelts.com/warranty.

www.carlislebelts.com

A Belt for Every Application

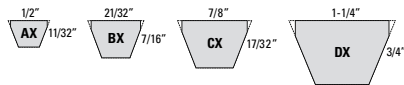
Timken offers a wide variety of belts covered by our Iron Clad Guarantee.*

GOLD-RIBBON® COG-BELT®



The Energy Saver! Reduce downtime and save energy with the efficient Gold-Ribbon Cog-Belt. Made of Ethylene Propylene Diene Monomer (EPDM), a synthetic rubber with outstanding properties, the Gold-Ribbon Cog-Belt is designed and constructed to outperform and outlast wrapped v-belts.

Lengths: 23 - 332 inches

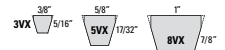


POWER-WEDGE® COG-BELT®

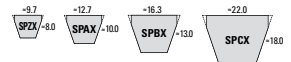


The Power-Wedge Cog-Belt (metric and imperial) combines the advantages of the narrow wedge design with raw edge performance for maximum operating efficiency in a compact drive package. The unique cog design contributes to longer belt life.

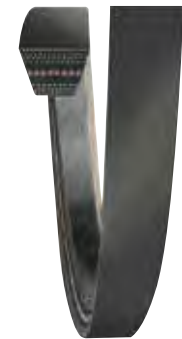
Lengths: 25 - 200 inches (Imperial)



643 - 5030 mm (Metric)

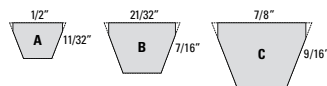


SUPER II® V-BELT



The Problem Solver! Now there's a solution to the constant and costly problem of replacing or re-tensioning ordinary v-belts on troublesome drives. The secret to the Super II v-belt is its unique construction. The central position of the polyester cord and multiple fabric layers on the top and bottom of the belt make the Super II v-belt superior to wrapped v-belts in every way.

Lengths: 17 - 144 inches

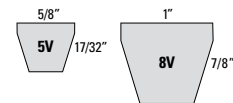


SUPER POWER-WEDGE® V-BELT



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.

Lengths: 50 - 500 inches

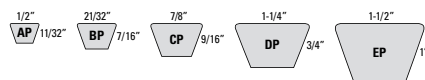


SUPER BLUE RIBBON® V-BELT



Super Blue Ribbon v-belts are the ideal choice for dependable and economical performance. A specially wrapped fabric cover is impregnated with oil and heat resistant rubber for longer service life. The Carlisle Super Blue Ribbon v-belt resists flex fatigue, oil, heat, and environmental conditions.

Lengths: 22 - 664 inches

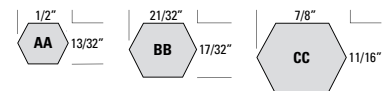


DOUBLE ANGLE V-BELT



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.

Lengths: 47 - 424 inches

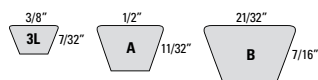


ARAMAX® XTRA DUTY V-BELT



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 more horsepower, less stretch and longer service life.

Sizes: 3L, AK, BK cross-sections
Lengths: 15 - 117 inches

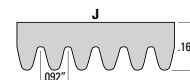


VEE-RIB™ V-BELT



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.

Lengths: 13 - 98 inches

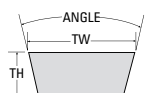


VARIABLE SPEED COG-BELT®



For use with variable speed pulleys to gain a wide range of driven speeds. Raw edge sidewalls improve gripping action. Unitized belt bonding and special rubber compounds provide superior resistance to oil, heat, and harmful environmental factors.

Lengths: 26 - 107 inches

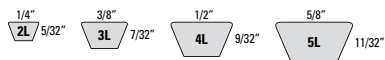


DURAPOWERTM II FHP V-BELT



Durapower II v-belts successfully combine the advantages of raw edge technology with its unique CNA belt building process. CNA refers to the placement of the cords through the belt's midsection. This lower cord placement combined with raw edge sidewalls assures efficient, flexible and long lasting performance.

Lengths: 11 - 85 inches



GOLD-RIBBONTM COG-BAND®



This is the banded version of the "Energy Saver," combining the longer 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 prevents belt whip and rollover on long center distance drives.

Sizes: 55 - 200 inches



Note: For lengths greater than 200 inches, request a Gold-Ribbon band.

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 v-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.

Sizes: 26 - 200 inches

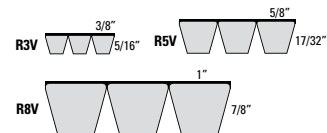


WEDGE-BAND®



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

Sizes: 34 - 601 inches



ARAMAX™ WEDGE-BAND®



Aramax 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.

Sizes: 202 - 562 inches



WEDGE-BAND® CHIPPER DRIVE



Wedge-Band Chipper Drive belts are 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.

Sizes: 81 - 171 inches

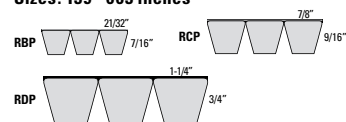


SUPER VEE-BAND®



Super Vee-Band is an ideal choice on classical v-belt drives where individual belts tend to roller or whip severely due to fluctuating load conditions or harsh drive vibration. The individual ribs of a Super Vee-Band 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.

Sizes: 139 - 663 inches

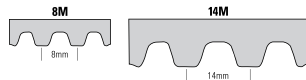


PANTHER® XT HIGH TORQUE SYNCHRONOUS BELT



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

**Lengths: 25 - 176 inches (8MXT)
39 - 173 inches (14MXT)**



PANTHER® SYNCHRONOUS BELT

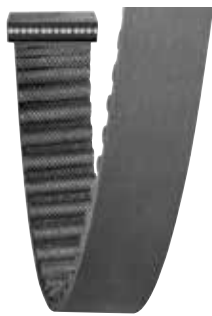


The Panther belt is an efficient synchronous belt featuring Ultra-Cord® tensile members and advanced polymer compound. Engineered with special fabric for quiet performance and reduced wear, Panther belts are designed to improve performance and drive life while reducing maintenance and downtime.

Lengths: 19 - 195 inches



SYNCHRO-COG® HT



The Synchro-Cog HT belt is designed for medium torque applications and delivers trouble free power transmission with a smooth and quiet drive system. Synchro-Cog HT 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.

Lengths: 3 - 270 inches

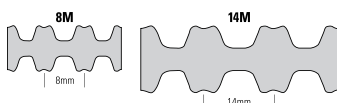


DUAL SYNCHRONOUS BELT



Proven performance from both sides of the belt for greater flexibility and efficiency in your drive design. Unitized process joins top and bottom teeth into one homogeneous belt with 100% rated capacity on both top and bottom side of the belt. Full fabric facing is included on all teeth.

Lengths: 28 - 195 inches

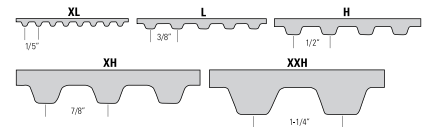


SYNCHRO-COG® TIMING BELT



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.

Lengths: 5 - 180 inches

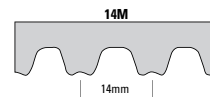


AIR-COOLED HEAT EXCHANGER (ACHE) BELT



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.

Sizes: 2800 - 4326 mm

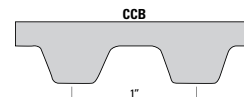


COTTON DRIVE® TIMING BELT



Cotton Drive belts are special 1" pitch timing belts designed for exact OE replacement on cotton gin drives. Uniquely constructed to handle this harsh abrasive application.

Sizes: 61 - 65 inches



DRY CAN BELT



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

Lengths: 212 - 902 inches



ROUND BELT



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

**Sizes: 7/16" and 9/16" diameters
Lengths: 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.

Super II® V-Belt



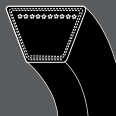
The Problem Solver! The solution to the constant and costly problem of replacing ordinary v-belts on troublesome drives.

Super Blue Ribbon® V-Belt



A superior wrapped belt and workhorse of classical v-belts. The ideal choice for dependable and economical performance.

Aramax® Xtra Duty V-Belt



Designed for outdoor power equipment and aggressive applications with heavy shock loads. Delivers high HP, minimal stretch and long service life.

Power-Wedge® Cog-Belt®



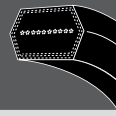
Combines narrow belt wedge design with raw edge performance for maximum operating efficiency in a compact drive package.

Super Power-Wedge® V-Belt



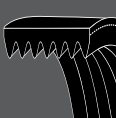
Enables design of a more compact belt drive. Ideal for heavy duty industrial drives with shock loads.

Double Angle V-Belt



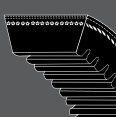
Ideally suited for serpentine drives where power needs to be transmitted equally from both sides of the belt.

Vee-Rib™ Belt



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

Variable Speed Cog-Belt®



For use with variable pitch pulleys to gain a wide range of driven speeds.

BANDED BELTS

Gold-Ribbon® Cog-Band®



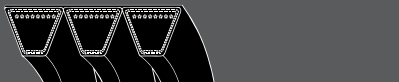
Combines the superior characteristics of the Gold-Ribbon Cog-Belt with the stability of a banded belt. Belt whip and turnover are eliminated.

Power-Wedge® Cog-Band®



Banded version of Power-Wedge Cog-Belt. Belt whip and turnover are eliminated.

Wedge-Band®



Banded version of Super Power-Wedge v-belt. Belt whip and turnover are eliminated.

Aramax® Wedge-Band®



Designed for extraordinary banded belt strength on the toughest drives. Belt whip and turnover are eliminated.

Wedge-Band® Chipper Drive



Specially designed and constructed to meet the unique demands of the forestry industry. Belt whip and turnover are eliminated.

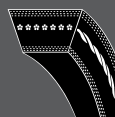
Super Vee-Band®



Banded version of Super Blue Ribbon v-belt. Belt whip and turnover are eliminated.

LIGHT DUTY V-BELTS

Durapower® II FHP V-Belt



Raw edge construction improves efficiency, performance and belt life.

SYNCHRONOUS BELTS

Panther® XT High Torque Synchronous Belt



The Panther XT high torque synchronous belt is a powerful alternative to chain or a drop-in replacement for polyurethane belts.

Panther® Synchronous Belt



Panther belts are designed to improve performance and drive life while reducing maintenance and downtime.

Synchro-Cog® HT Synchronous Belt



Delivers trouble-free power transmission with a smooth, quiet and efficient drive system.

Dual Synchronous Belt



Provides synchronized transfer of power from both sides of the belt for greater flexibility and efficiency in your drive design.

Synchro-Cog® Timing Belt



Trapezoidal tooth profile for clean, quiet operation on applications where synchronization between the driver and driven unit is required.

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.

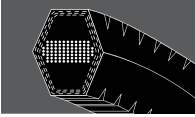
Cotton Drive® Timing Belt



1" pitch timing belts designed for use on cotton cleaning machines. Uniquely constructed to handle this harsh, abrasive application.

SPECIALTY BELTS

Dry Can Belt



Round Belts



TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings, and related mechanical power transmission products and services.

Stronger. By Design.

www.carlislebelts.com