

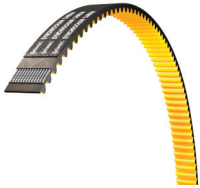


Continental HVAC Belts

Get results that get noticed.

Continental HVAC Synchronous Belts

Synchronous belts are well suited for HVAC applications and can offer energy savings over V-belt drives. Standard synchronous belts produce more noise than V-belts. Our Conti® SilentSync drive system delivers the advantages of a synchronous belt with less noise compared to straight tooth synchronous belts. Other advantages of synchronous belts include: Higher efficiency, no re-tensioning required, lower hub/bearing loads, and more compact drives.



Conti® Synchrochain Carbon & Synchrochain Supreme*

Light but durable polyurethane for teeth and backing. High-tensile yet longitudinally stable carbon for the tension member. Plus, a specially coated, wear-resistant face fabric. The intelligent design and high-quality materials ensure clean, smooth and reliable power transmission both at high torques or dynamic loads.

- › Reduces drive width by up to 5 times
- › No lubrication needed – operates clean and dry
- › Smooth engagement of teeth and reduced vibration
- › Quiet in operation
- › High-speed capability
- › 2-3x life expectancy

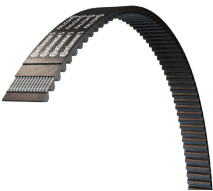
*Denotes antistatic construction



Conti® SilentSync

Unique state-of-the-art alternative to straight-tooth belts and roller chain drive chains has been enhanced to improve the overall performance of your drive design – and help you save energy.

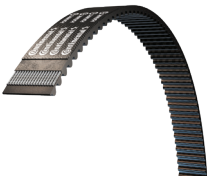
- › A unique Helical Offset Tooth (H.O.T) design
- › Self tracking, flangeless sprockets
- › Up to 19 dB quieter than straight tooth belts
- › Exceptional tensile strength for lasting performance
- › Versatility in a wide range of operating temperatures
- › Static conductive



Conti® Falcon Pd

Reinforced rubber timing belt developed for a variety of extremely demanding drives.

- › Increased horsepower for high torque applications
- › High-grade HNBR rubber construction
- › Lower noise than urethane belts
- › Exceptional tensile strength for premium performance



Conti® Hawk Pd

A versatile belt designed to be compatible with many industry standard pulleys.

- › Optimum performance
- › Low elongation

Continental HVAC V-Belts

When the job needs to be done right the first time, look to the Continental family of HVAC V-belts. From light-duty drives to your toughest applications, Continental V-belts offer enhanced efficiency, longevity and performance that your customer wants. Their satisfaction will keep them coming back and help you grow your business. Your customers will appreciate the quality and precision offered by Continental through dependable operation and cost savings enjoyed from efficient drives.



Conti® VX FHP

Classical Profile - 2L, 3L, 4L, 5L

The cogged design of our FHP belts provides a greater surface area for heat dissipation, allows increased air flow around the belt during operation, and improves flexibility. Low cross section vibration in rubber-edged, cogged belts (4L & 5L) reduces noise generation..

- › Low vibration for low noise
- › Superior efficiency for improved performance
- › Designed for drives less than one horsepower



Conti® V

Classical Profile - A, B, C, D, E

Excels at operating at high speeds over small-diameter pulleys, this V-belt has a universal classical profile. Plus, its high-strength tensile members and engineered rubber insulation allow it to effectively transmit drive power.

- › Dual-branded (Classical and FHP) to reduce inventory costs
 - Conti® VX FHP belts have lower horsepower capability than Conti® V.
 - You can replace a Conti® VX FHP with a Conti® V, but you cannot replace a Conti® V with a Conti® VX FHP.
- › Minimal, controlled elongation for reliable performance
- › Exceptional dimensional stability improves performance and increases service life



Conti® VX Advance

Classical Profile - AX, BX, CX

Designed for tough, small-sheave, high-tension drives, Conti® VX Advance's premium classical profile construction delivers the horsepower you want on the drives you need it on – all at a lower component cost and with lower energy costs. Optimum performance with cut-edge or envelope design.

- › More horsepower with lower energy costs
- › Exacting precision and uniformity offer reduced downtime and belt maintenance
- › Added flexibility through fully cogged construction



Conti® VX Advance

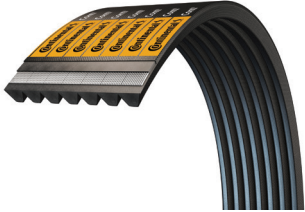
Narrow Profile - 3VX, 5VX, 8VX

Featuring a narrow profile for compact, high-horsepower drives, this V-belt offers unmatched efficiency. And with a cut-edge or envelope construction as well as high-grade rubber, Conti® VX Advance provides maximum performance for minimum drive costs.

- › Optimum performance with cut-edge or envelope design
- › Reduced drive costs thanks to a narrower cross section
- › Increased efficiency with thinner, lighter sheaves
- › Improved material properties and advanced construction technology delivers increased horsepower up to 30% over standard "Classical" V-belts and wedge belts.

Continental HVAC Torque Team® Belts

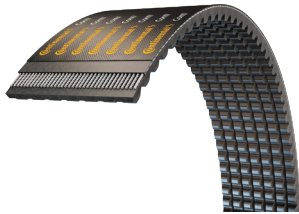
Banded V-belts are recommended for use where belt vibration causes unsatisfactory results. Another advantage of Banded V-belts is the considerable degree of design flexibility.



Conti® V Torque Team® Supreme

Conti® V Torque Team® Supreme belts are our highest capacity banded V-belts and are known for strength, durability and performance. They stand up to higher horsepower, high-tension drive requirements, and abusive installations better than standard joined belts, multiple V-belt teams or chain and sprocket drives. Conti® V Torque Team® Supreme is available in 5V and 8V profiles. These are all wrapped construction; no raw edge, no cogs.

- › Reduced maintenance
- › Strong, Aramid tensile cords
- › Reduced vibration and turnover
- › Strong, flexible and efficient belt with extended service life
- › Lower costs involved in the drive medium (belts/chains)
- › Compact drive design



Conti® VX Torque Team® Advance

The Conti® VX Torque Team® Advance line consists of raw edge, molded cog belts and built with strong polyester tensile cords to provide the high strength, high horsepower capacity needed to effectively transmit drive power.

- › Narrow profile ribs provide savings through improved efficiency
- › Joined belt construction for problem drives
- › Cogs provide increased flexibility



Conti® Torque Team®

Conti® Torque Team® Belts have a high-strength, high-horsepower rating capacity needed to effectively transmit drive power. Drive performance is consistent, reliable and predictable over the life of the belt. We then top the belt off with 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 to provide reduced vibration and eliminate turnover.

- › Fiber-loaded cushion – contributes to heat and oil resistance and strength
- › A mix of coggged and non-coggged constructions, depending on the length
- › Conti® V Torque Team® belts are built with strong, durable polyester tension members to provide dimensional stability for consistent and reliable transmission of power.

Best Preventive Maintenance Practices

Wear Proper Clothing

- › Never wear loose or bulky clothes, such as neckties or lab coats, around belt drives
- › Wear gloves while inspecting sheaves or sprockets to avoid injuries
- › Wear safety glasses to avoid eye injuries

Always Maintain Safe Access to Belt Drives

- › Keep area around drives free of obstructions
- › Floors should be clean to ensure good footing and balance while working
- › Disconnect power supply to the machine before doing any work. Follow established lock-out/tag-out procedures

Drive Guards

- › Every belt drive must be properly guarded
- › Guards must be designed and installed according to OSHA standard

Belt Guard Guidelines

- › Encapsulates drive
- › Includes grills or vents for good ventilation
- › Allows access for belt inspection
- › Removed and replaced easily if damaged
- › Should protect the drive from weather, debris and damage

Simple Drive Inspection

- › Look and listen for any unusual vibration or sound while observing the guarded drive in operation. Drive should operate smoothly and quietly.
- › Inspect guard for looseness or damage. Keep it free of buildup.
- › Accumulation of material on the guard acts as insulation and could cause drive to run hotter.
- › The effect of temperature on belt life is important.
- › If there is oil and grease dripping from the guard, it may indicate over-lubricated bearings. If this material gets on the belt, it may lead to early belt failure.
- › Check motor mounts for proper tightness. Take-up slots or rails should be clean and lightly lubricated.

How Often to Inspect

- › Critical nature of equipment
 - Critical Drives – A visual and hearing inspection may be needed every one to two weeks
 - Normal Drives – With most drives, a quick visual and hearing inspection can be done once a month
- › Drive operating cycle
- › Environmental factors
- › Temperature extremes

Maintenance Tools

Proper tension, installation and maintenance can extend belt life and reduce costly downtime. Continental's preventive maintenance tools include:

TensionRite® Belt Frequency Meter

The TensionRite® Belt Frequency Meter from Continental provides a simple, repeatable and reliable method for tensioning belts using optical technology. It displays the natural vibration frequency of a belt strand so you can closely monitor belt tension. The meter measures the belt vibration in hertz and calculates the strand tension force in units of newtons and pounds-force.



20287454

Tension Tester Plunger

When used with a straight edge or tight string, the deflection gauge is an aid in setting the proper belt tension for a drive system. The Tension Tester compares force measured with recommended values for your application. If values are not equal, adjust the belt tension and repeat force measurement until force matches target value.



20044882

Laser Alignment Tool

This unique Laser Alignment Tool from Continental quickly aligns drive components, improving efficiency while reducing costly maintenance.

- › Detects both parallel and angular misalignment
- › Easier to use than conventional methods of misalignment detection
- › Affixes to most pulley and sprocket types
- › Suitable for nonmagnetic pulleys and sprockets
- › Single-operator friendly



20245089

Sheave Gauge

A sheave gauge can be used to identify voids that indicate dishing or uneven sheave wear. Additionally, they can be used to identify the belt cross section when no branding is visible.



20044915

MaximizerPro™

Drive selection analysis software program for easy & accurate selection of energy saving belt solutions.

With MaximizerPro®, drive requirements specified by the user are matched with available belts, sprockets, pulleys and bushings. Working like an equation for improved performance, MazimizerPro® takes specific physical data and calculates how the system can be upgraded with multiple options for belt drive designs. These options address the end user's goals related to energy efficiency, quieter operation, increased output and extended life, to name a few.



Power Transmission Group

Market segment

Power Transmission Products

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