



Transmission Belt Solutions



know-how makes the difference



ContiTech Power Transmission Group

Innovative drive solutions for industrial applications

■ Power Transmission Group

The ContiTech Power Transmission Group is a developer, manufacturer and supplier of power transmission belts, components and complete belt drive systems for vehicles, plant and machinery. The company is in demand throughout the world as a development and service partner for original equipment and the aftermarket.

■ Power transmission solutions for industrial application

ContiTech V-belts are consistently based on the specific requirements of our industrial partners. ContiTech testing technology, with its focus on applied engineering, also contributes to this: it supports the product development process, conserves resources and protects the environment.

■ Research and Development

ContiTech's R&D focuses on the economic and environmental performance parameters for V-belts demanded by the market. These are subject to ongoing development as we seek to achieve the maximum in terms of performance, technical design, security and convenience.

■ Material technology and design

ContiTech uses the synergies available worldwide within the corporation to produce power transmission solutions which feature highly advanced materials technology and design. This offers machinery and plant manufacturers almost unlimited scope for action.

■ Logistics and services

Belts in some 13,000 sizes and types, effective sales organisations and distribution partners worldwide with whom we have worked for many years: this is how ContiTech guarantees to deliver the best solutions for customer-specific problems based on collaborative partnership.

■ Environmental and quality management

Certified to DIN EN ISO 9001, 14001 and ISO/TS 16949, ContiTech researches, develops, tests and manufactures at various locations around the world.

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Variety for Individual Drives

If you want to offer your customers a variety of drive solutions, you need a strong partner. That's precisely what the ContiTech Power Transmission Group is all about; as a full-line distributor, we offer over 13,000 different sizes and types, from classic V-belts to banded V-belts, variable-speed belts and V-ribbed belts and onto innovative timing belts made of rubber and polyurethane – developed and manufactured with uncompromising quality.

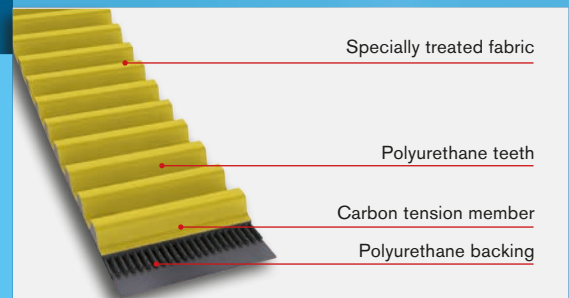
CONTI® SYNCHROCHAIN CARBON

Heavy Duty Timing Belts



- Higher power capacity
- Almost zero tension loss (initial)
- Excellent length stability
- Reduced belt width
- Reduced noise
- Increased service life
- Reduced system costs and drive envelope

CONTI® SYNCHROCHAIN CARBON utilises state-of-the-art materials with unparalleled smart production techniques which result in one of the most versatile and technically outstanding products on the market. Whether your key driver is maximum production, minimum drive size or total cost of ownership – CONTI® SYNCHROCHAIN CARBON is the solution!



Properties:

- Temperature range, depending on application, from -55°C to $+80^{\circ}\text{C}^*$
- Ozone resistant
- Oil, grease and fuel resistant
- Operates at belt speeds up to 40m/s
- Tooth profile is interchangeable with other leading manufacturers

Where

- Agriculture – grading, harvesting
- Textile – weaving, tufting
- Paper – pulping, printing
- Food processing – mixing
- Printing machines
- Palletising machines
- Machine tools
- Transport conveyors
- Marine

Why

- Extended product lifetime
- High drive system efficiency
- Low/zero maintenance
- Low total cost of ownership
- Reduced stress on machine components

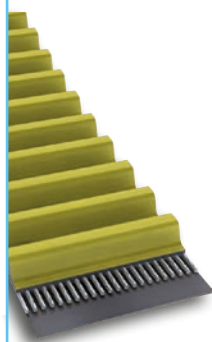
* Please request technical advice for temperatures below -40°C .



CONTI® SYNCHROCHAIN

Heavy-duty timing belts

For extreme, ultra high-power applications.



Properties:

- Temperature range, depending on application, from -55°C to $+80^{\circ}\text{C}^*$
- Suitable for tropical climates
- Resistant to ageing and ozone
- Withstands reverse flexing
- Resistant to oils, grease and fuel
- Conditionally resistant to acid and lye
- Raw materials and production are silicone free
- Maintenance free

* Please request technical advice for temperatures below -40°C .

CONTI® SYNCHROFORCE CXA

Heavy-duty timing belts

For high acceleration forces and shock loads.

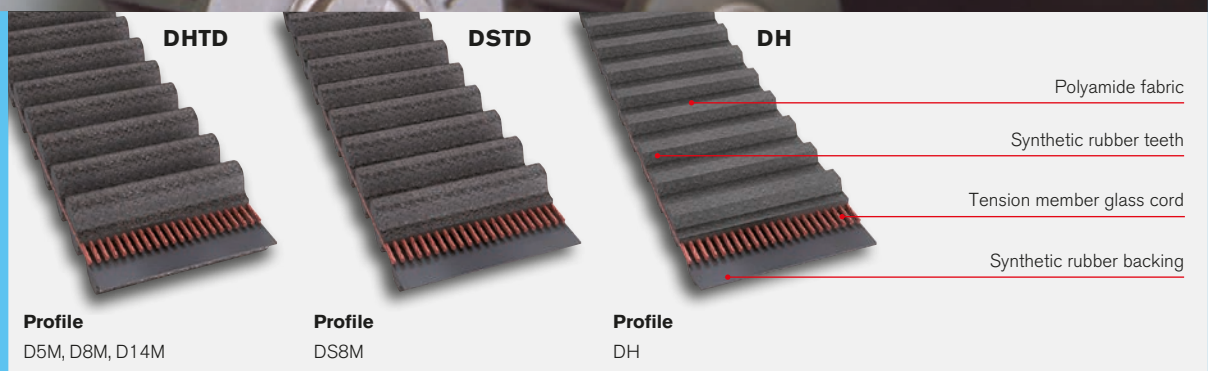


Properties:

- Conditionally resistant to oil
- Temperature range, depending on application, from -20°C to $+100^{\circ}\text{C}$
- Electronically conductive to ISO 9563
- Suitable for tropical climates
- Resistant to ageing and ozone
- Maintenance free
- Suitable for counterbending

CONTI® SYNCHROTWIN

Double-sided timing belts for compact drives with reverse rotation.



CONTITECH SYNCHROTWIN double-sided timing belts are the natural choice for highly dynamic, multi-pulley applications which require a high degree of positional accuracy in the smallest, most compact envelope. CONTITECH SYNCHROTWIN is available in three metric pitch configurations (5mm, 8mm and 14mm) with various width and length options. From high speed printing applications to flake roll mill drives, CONTITECH SYNCHROTWIN is the only choice worth making.

Properties:

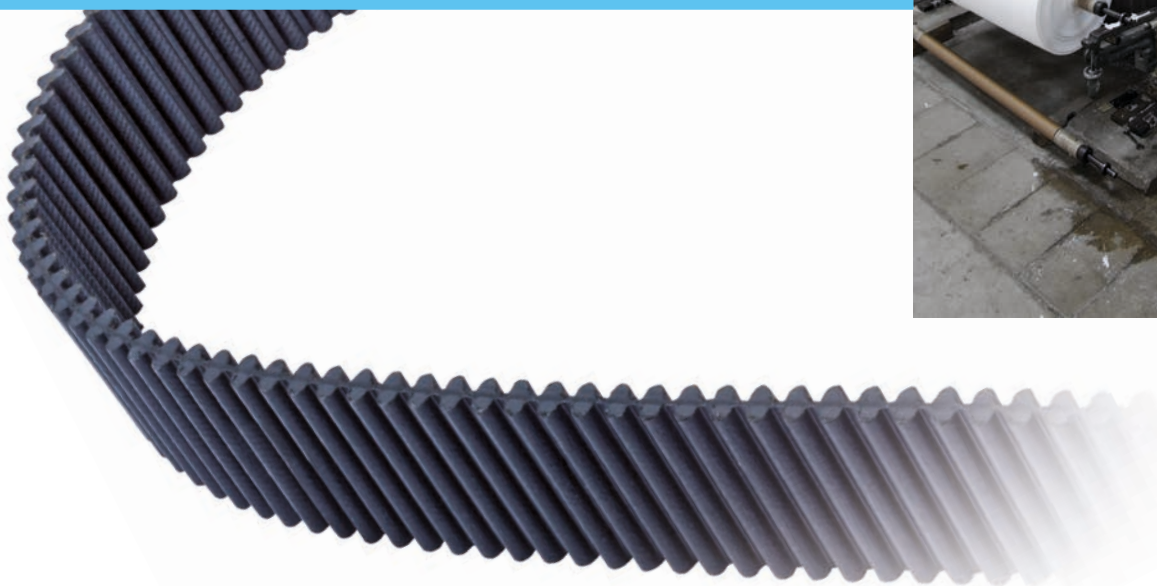
- Wide operating temperature range (-20°C to +100°C)
- Ozone and ageing resistant
- Maintenance free
- Available in metric HTD/STD and classical timing profiles

Where

- Packaging industry
- Printing industry
- Office applications
- Textile industry
- Flour milling machines
- Paper covering
- Oil refineries

Why

- For synchronous transmission
- To change the direction of transmission



CONTI® SYNCHRODRIVE

Open-ended polyurethane timing belts

For material flow, linear and transport technology, entry systems.



Properties:

- Wear-resistant
- Oil- and grease-resistant
- Resistant to fuel and benzene
- Hydrolysis-resistant
- Resistant to UV and ozone
- Temperature range from -30°C to $+80^{\circ}\text{C}^*$
- Can be welded with thermoplastics
- Raw materials and production are silicone free
- Maintenance free

* Please request technical advice for temperatures below -10°C and above $+50^{\circ}\text{C}$.

CONTI® SYNCHROTRIB

Timing belts

For mill drive systems.

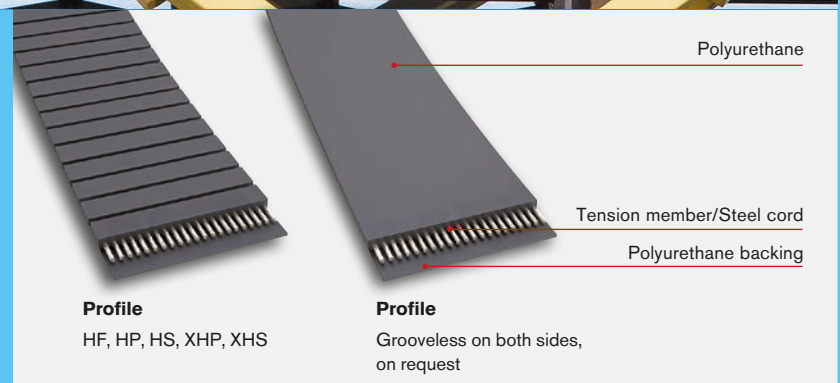


Properties:

- Conditionally resistant to oil
- Temperature resistant, depending on application, from -20°C to $+100^{\circ}\text{C}$
- Electrically conductive to ISO 9563 (CXP, CXA)
- Ozone resistant
- Suitable for tropical climates

CONTI® POLYFLAT

Space-saving drive configurations for lifting systems.



Properties:

- Wear resistant
- Oil- and grease-resistant
- Resistant to carburetor fuel and benzene
- Hydrolysis-resistant
- Resistant to UV and ozone attack
- Resistant to temperatures from -30°C to $+80^{\circ}\text{C}^*$
- Can be spliced with thermoplastics
- Raw materials and production are silicone free

Where

- Lifting systems
- Car wash installations
- Forklifts
- Handling devices
- Scissor-type lifting tables
- Exercise equipment
- Automotive car plants
- Linear movement equipment

Why

- Quiet and smooth running
- High flexibility
- Compact

* Please request technical advice for temperatures below -10°C and above $+50^{\circ}\text{C}$.



CONTI-V® MULTIRIB

V-ribbed belts

CONTI-V® Multirib

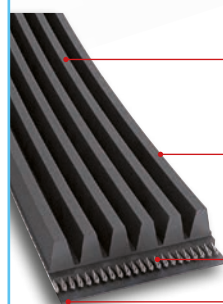
According to DIN 7867, for high gear ratios, high belt speeds, small pulley diameters and back-tension rollers.

CONTI-V® Multirib Power

With low-stretch tension member for heavy-duty power transmission accompanied by high loads.

CONTI-V® Multirib Elast

For drives with fixed centre distances without separate tensioner.



Synthetic rubber ribs

Embedding compound

Polyester tension member

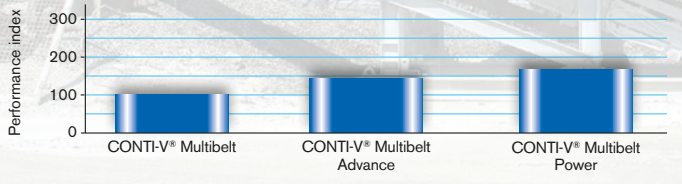
Polyamide cover fabric

Properties:

- Conditionally resistant to oil
- Temperature range from -30°C to $+80^{\circ}\text{C}$
- Electrically conductive to ISO 1813
- Suitable for tropical climates
- Suited to counterbending
- Enhanced running smoothness

CONTI-V® MULTIBELT

For drives with major load changes.



- Conditionally resistant to oil
- Electrically conductive to ISO 1813
- Suitable for tropical climates
- Temperature range from -40°C to +80°C

CONTI-V® Multibelt

For drives with major load changes.

CONTI-V® Multibelt Advance

With reinforced tensile member and advanced compound for safely transmitting more power, suitable for use with back-tensioners.

CONTI-V® Multibelt Power

With low-stretch tensile member and advanced compound for transmitting lots of power with high loads, suitable for use with back-tensioners.



Profile

3V (9J), 5V (15J), 8V (25J), A/HA, B/HB, C/HC, SPZ, SPA, SPB, SPC

CONTI-V® ROFLEX GARDEN

Heavy-duty V-belt

For good slip control and noiseless clutch engagement. Specially developed for machines used in garden and park maintenance.



Properties:

- Temperature range from -30°C to +80°C
- High heat resistance
- Resistant to high shock loads
- Higher chemical resistance
- Higher bending resistance, well suited for outer tension pulleys

CONTI-V® DUAL

Wrapped double-V-belts

For demanding drives in all sectors of machine engineering. Suited for operation of reverse drives.



Properties:

- Conditionally resistant to oil
- Temperature range from -55°C to +70°C
- Dust-proof
- Suitable for tropical climates
- Electrically conductive to ISO 1813

Heavy-duty types

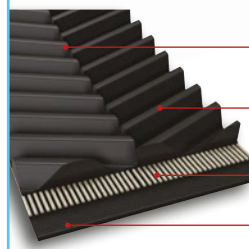
CONTI-V® Dual Advance and CONTI-V® Dual Power are available on request.



CONTI® SILENTSYNC

Self-tracking timing belt

Self-tracking timing belt made for very quiet and reduced vibration operation; excellent choice for horizontal drives.



Specially treated fabric

Synthetic rubber teeth

Aramide tension member

Synthetic rubber backing

Properties

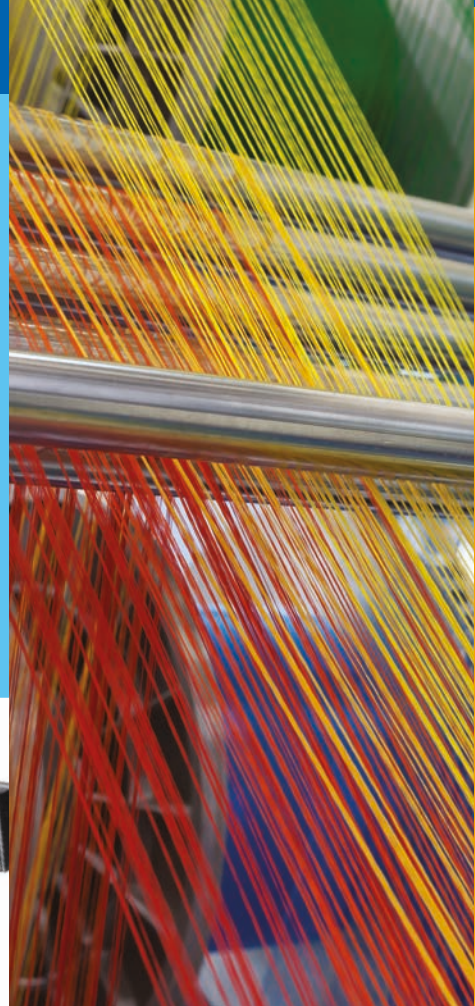
- Temperature range from -40°C to $+95^{\circ}\text{C}$
- Electrically conductive to ISO 9563
- Very low noise
- Low vibration
- Resistant to ageing and ozone
- Conditionally oil-resistant
- Maintenance-free

Where

- Machine tools
- Vertical cooling fan drives
- Printing machines
- Conveyor drives
- Pump drives

Why

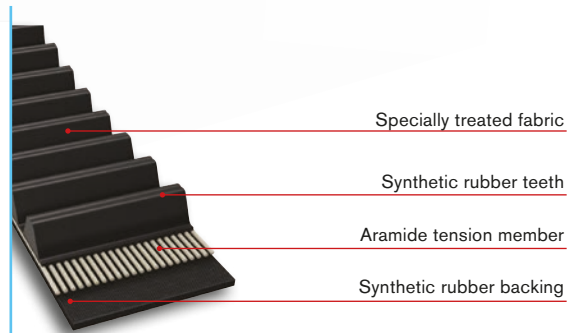
- Low noise
- Low vibration
- Accurate positioning
- High drive efficiency
- Low maintenance



CONTI® FALCON PD

Timing belt

Reinforced rubber timing belt developed to work in a variety of extremely demanding drives.



Specially treated fabric

Synthetic rubber teeth

Aramide tension member

Synthetic rubber backing

Properties

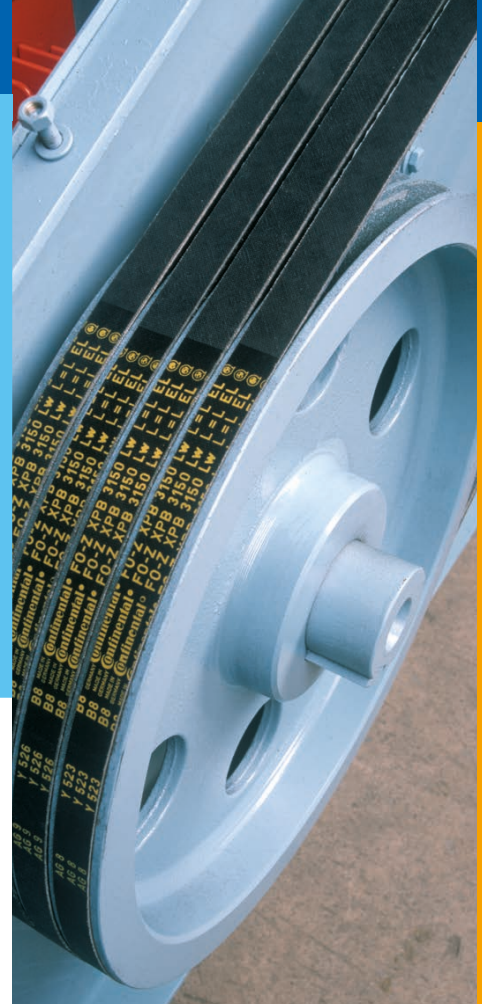
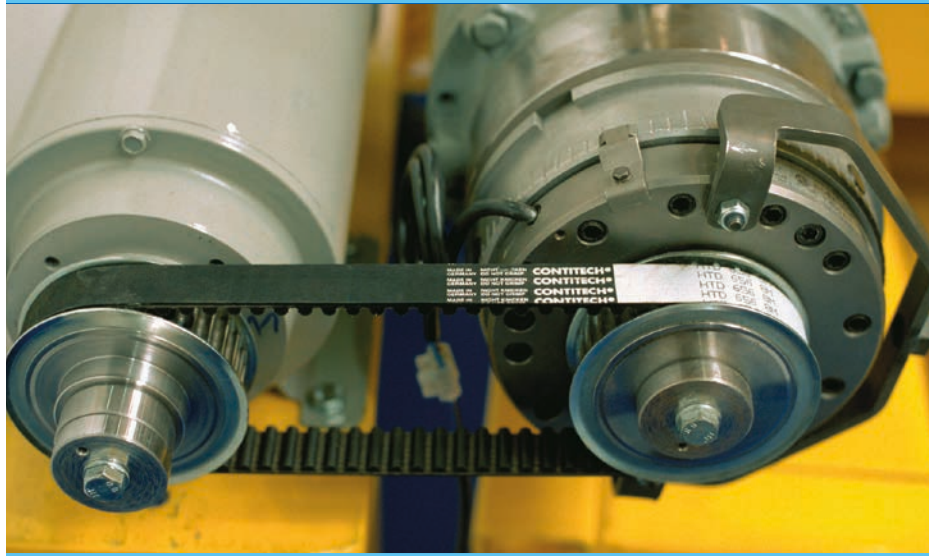
- Temperature range from -50°C to $+95^{\circ}\text{C}$
- Electrically conductive to ISO 9563
- Low-noise
- Compatible with CTD
- Suited for counterbending/back-tensioners
- Conditionally oil-resistant
- Maintenance-free

Where

- Agriculture – grading, harvesting
- Textile – weaving, tufting
- Paper – pulping, printing
- Food processing – mixing
- Printing machines
- Palletising machines
- Machine tools
- Transport conveyors

Why

- Extended product lifetime
- High drive system efficiency
- Low/zero maintenance
- Low total cost of ownership
- Reduced stress on machine components
- Higher temperature range
- Longer length range



CONTI® VSM-1/VSM-3 Tension Gauges

Electronically measurable belt tension – security for every drive

The right initial tension in force- and form-locked belt drives is a prerequisite for trouble-free, long-term operation of drives in industrial applications. The CONTI® VSM-1 and VSM-3 tension gauges are fully electronic measuring instruments designed specially to measure the initial tension of timing belts, multiple V-ribbed belts and V-belts. They can be used to set the static strand force of belt drives, irrespective of their tension members, simply and precisely.

Properties:

VSM-1

- Non-contact measurement
- Flexible sensor arm permits monitoring even where access is difficult
- Precise readings using optoelectronic measurement method

VSM-3

- Non-contact measuring
- Exceptionally compact design for reliable measurements, even in hard-to reach areas
- Precise measurements by means of optoelectronic measuring process
- Sturdy and durable housing

The electronically measurable initial belt tension ensures that every industrial drive is operating safely.

Security for every drive

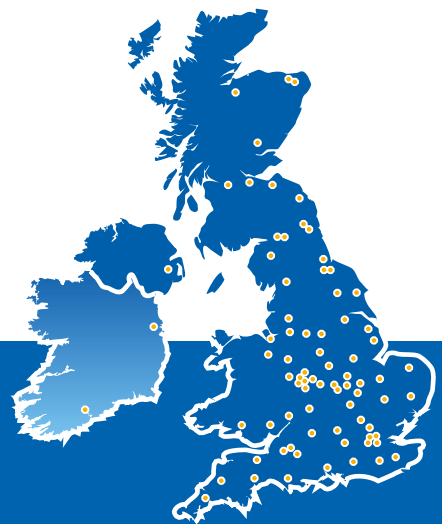
CONTI® VSM-3

CONTI® VSM-1

TENSION2GO

The Tension2Go app measures the natural frequency of the belt.

Call 0845 006 6000
www.eriks.co.uk



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