



Simply twice as strong

Conti Synchrotwin

Conti Synchrotwin CXP/CXA

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When it comes to synchronous power transmission in both directions of torque, double-sided timing belts are the ideal choice. The problem: high tensile forces such as those generated by a printing press, or the sudden stops of a ride-on mower quickly push these belts to their limits. The solution: the Conti Synchrotwin.

With a tension member made of glass cord ensuring stability in length, even the standard version provides long-term reliable and cost-effective drives in the low and medium power range.

In the CXP version, the body of the belt is made of high-performance synthetic rubber for optimum deformation resistance. And in the high-performance CXA version, power is transmitted by the super-strength aramid tension member. The result: optimum length consistency, even at high torques and low speeds.

Special features*

-  Available in lengths up to 6,000 mm
-  Enables compact, space-saving and lightweight drives
-  Maintenance-free coolants and lubricants
-  Temperature-resistant for specific applications from -20° C to +100° C
-  Oil resistant**
-  Ozone resistant in accordance with DIN 53509-T1, Category 0

Why double-sided timing belts?

Synchrotwin has two equally strong sides. The belt enables the power to be distributed to both sides, which enables counter-rotating drives with reversal of the direction of rotation. The power to be transmitted can be distributed as desired, as both sides have the same load capacity.

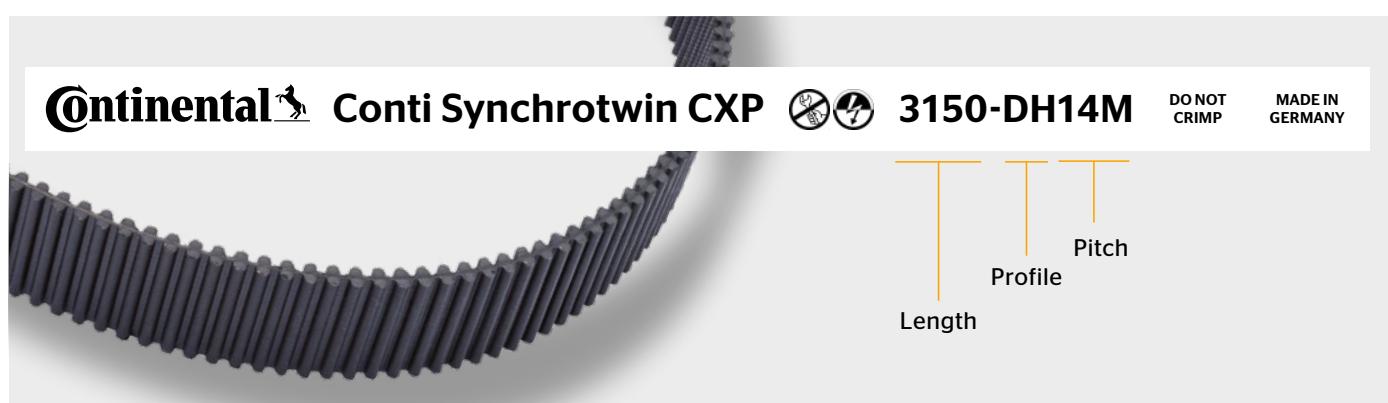
The double-sided timing belts correspond in profile dimensions and structure to comparable belts with single-sided toothing, which means the use of special toothed sprockets is not necessary.

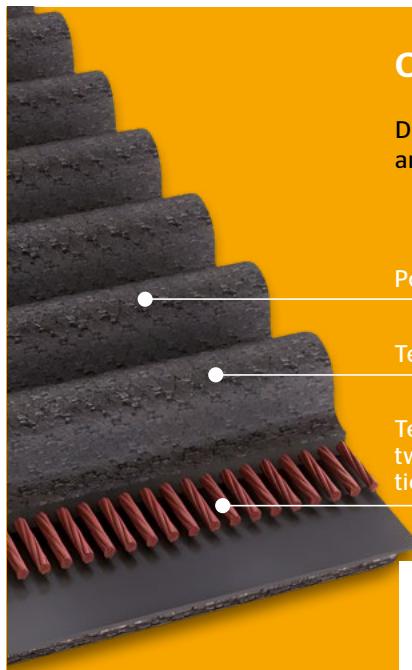
Additional feature Synchrotwin CXP/CXA

-  PAH Category 2 according to 2014 AfPS GS:01 PAH
-  Antistatic according to ISO 9563

*This data was obtained under predefined test conditions and is not universally valid

**in accordance with Continental Swelling Test ASTM 1=IRM Oil 901, Category A (Synchrotwin) and Category B (Synchrotwin CXP/CXA).





Conti Synchrotwin

Double-sided timing belt for lower and medium performance ranges

Polyamide fabric

Teeth made of synthetic rubber

Tension member made of glass cord twisted alternately in opposite directions

Conti Synchrotwin CXP/CXA

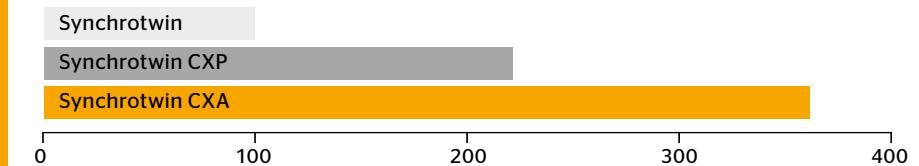
High-performance double-sided timing belts for high speeds and continuous transmission of high torques at low speeds

Polyamide fabric

Teeth made of high-performance synthetic rubber

Advance: tension member made of glass cord twisted alternately in opposite directions, Advance Pro: tension member made of aramid cord twisted alternately in opposite directions

Performance index (%)



Profile DHTD

D5M	565-2,000 mm
D8M	600-4,400 mm
D14M	1,050-5,740 mm



Profile DSTD

DS8M	600-2,848 mm
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Profile DH (Synchrotwin only)

DH	685.8-1,905 mm 270-750 (1/10 inch)
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Wide range of applications

- › Ride-on mowers
- › Garden equipment
- › Textile machines

- › Packaging machines
- › Machine tools
- › Pumps

- › Office machines
- › Printing machines
- › Assembly units



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