

Simply twice as strong
Conti Synchrotwin
Conti Synchrotwin CXP/CXA

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Conti Synchronotwin Conti Synchronotwin CXP/CXA

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 Synchronotwin.

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.

Why double-sided timing belts?
Synchronotwin 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.

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

- Additional feature Synchronotwin 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 (Synchronotwin) and Category B (Synchronotwin CXP/CXA).



Conti Synchronotwin	Conti Synchronotwin CXP/CXA
Double-sided timing belt for lower and medium performance ranges	High-performance double-sided timing belts for high speeds and continuous transmission of high torques at low speeds
Polyamide fabric	Polyamide fabric
Teeth made of synthetic rubber	Teeth made of high-performance synthetic rubber
Tension member made of glass cord twisted alternately in opposite directions	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 (%)

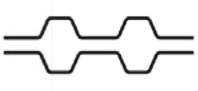
Model	Performance index (%)
Synchronotwin	100
Synchronotwin CXP	200
Synchronotwin CXA	350



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



Profile DH (Synchronotwin only)	
DH	685.8-1,905 mm 270-750 (1/10 inch)

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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