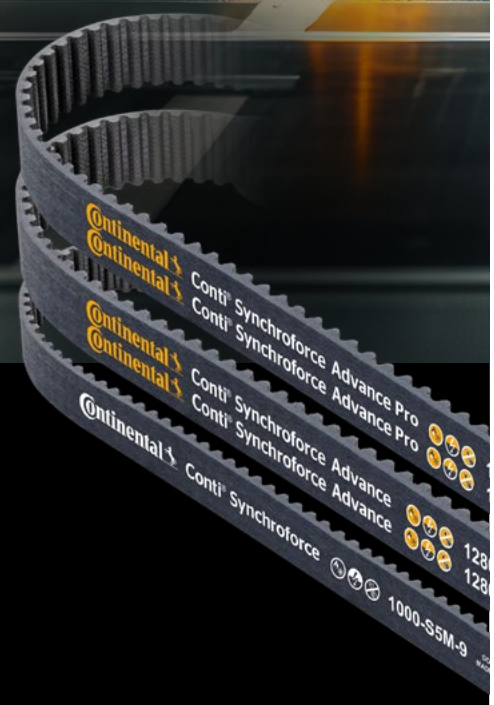
Continental
The Future in Motion

COMING SOON



Next-Level Drive Technology: the new EPDM timing belts

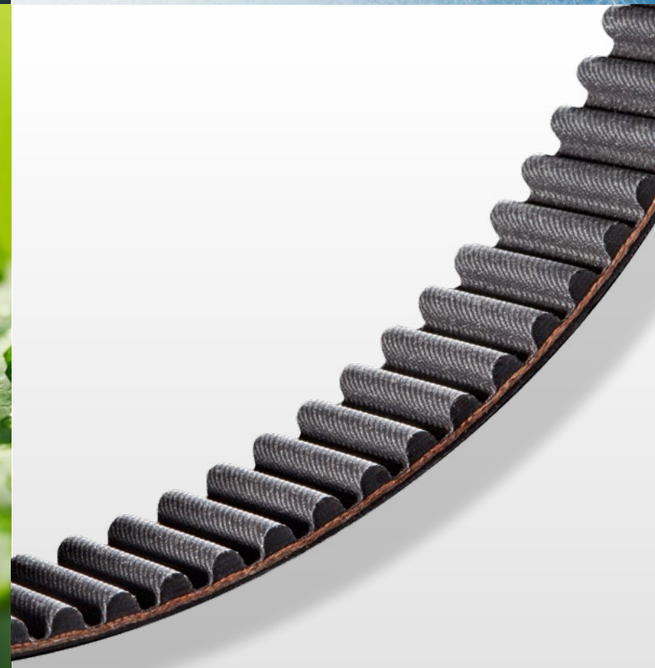
Conti Synchroforce
Conti Synchroforce Advance
Conti Synchroforce Advance Pro

ContiTech

NEXT-LEVEL DRIVE TECHNOLOGY

Rubber timing belts made of EPDM.

In future, our rubber timing belts for industrial applications will no longer be made of chloroprene rubber but of a high-tech, EPDM-based material. And this offers a host of advantages ...



Many more technical benefits ...

INTRODUCING:
the new generation of timing belts.

Our new EPDM-based rubber timing belts come in three powerful versions:

Conti Synchroforce for the lower and medium performance range. This belt replaces the existing CONTI SYNCHROBELT.

Conti Synchroforce Advance for the upper performance range. This belt replaces the existing CONTI SYNCHROFORCE CXP.

Conti Synchroforce Advance Pro for the most demanding requirements in industrial drive technology.

The belts are fully compatible, with no changes in pitch, length or profile. In other words, you can easily replace the belts in your existing systems and immediately benefit from the new features. Only a check on the pre-loading frequencies is recommended.

In addition, the belts are **antistatic** in accordance with ISO 9563, conditionally **oil-resistant*** and **maintenance-free in contact with coolants and lubricants.** And because we have optimized both the fabric and the base material, and use extremely strong glass cord and aramid tension members, you can always rely on **maximum skip resistance** and **power transmission.**

* in accordance with Continental test Swelling ASTM 1=IRM Oil 901, Category D

The benefits at a glance

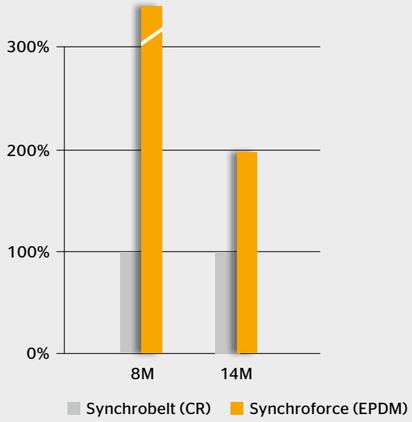
More durable: depending on the test conditions, the durability increases significantly compared to CR belts.

More sustainable: chlorine-free, PFAS-free, and fewer chemical components (PAHs, halogens, solvents)

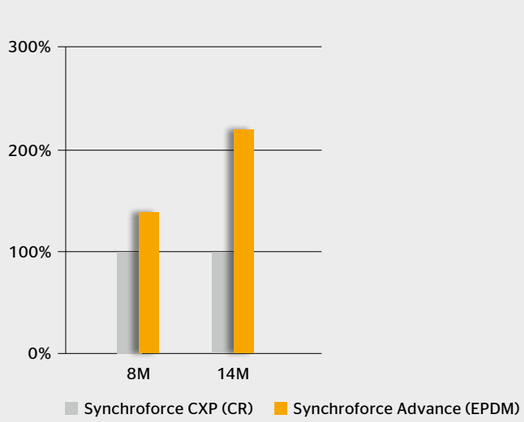
More temperature resistant: can be used in a wide temperature range from -40° C to + 120 °C. Compared to CR belts, EPDM belts therefore extend the permissible temperature range by 40 °C.

Longer service life

Conti Synchroforce put to the test*

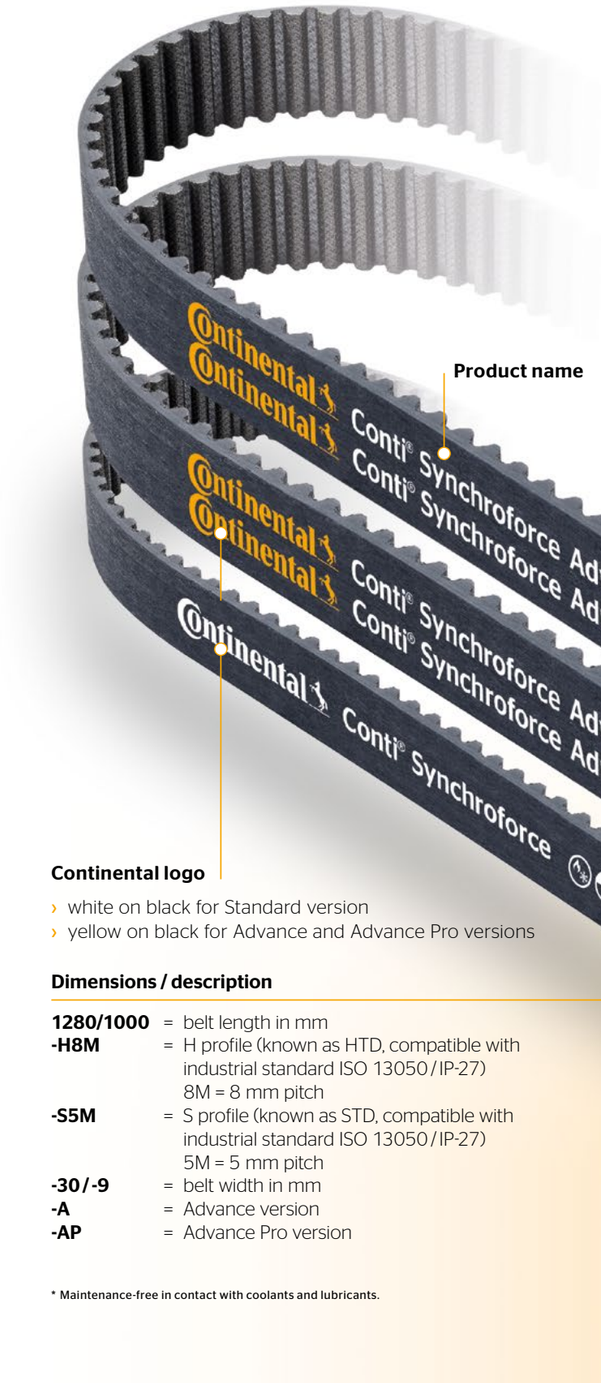


Conti Synchroforce Advance put to the test*



* The data was measured under specific test conditions and is not universally applicable.

A CLEAR PICTURE:
Belt markings.



Product name

Product features / icons

- Resistant to low and high temperatures
- Antistatic ISO 9563
- Maintenance-free*

Important: AVOID CRIMPING!
Country of origin

Date code
Reference to a quality standard, to ensure traceability.

Continental logo

› white on black for Standard version
› yellow on black for Advance and Advance Pro versions

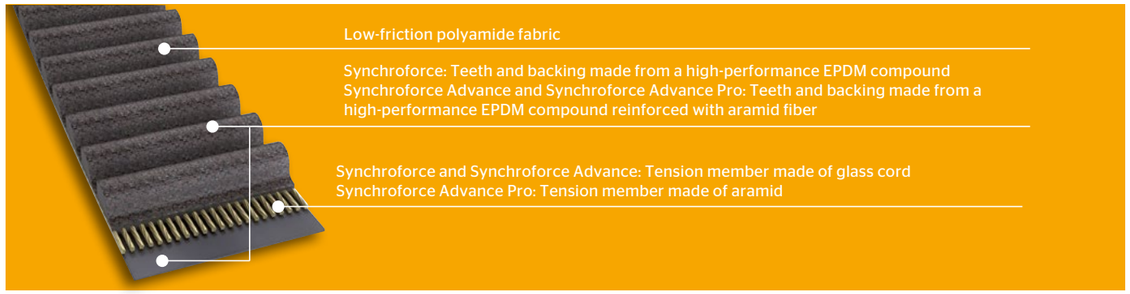
Dimensions / description

1280/1000	=	belt length in mm
-H8M	=	H profile (known as HTD, compatible with industrial standard ISO 13050 / IP-27) 8M = 8 mm pitch
-S5M	=	S profile (known as STD, compatible with industrial standard ISO 13050 / IP-27) 5M = 5 mm pitch
-30 / -9	=	belt width in mm
-A	=	Advance version
-AP	=	Advance Pro version

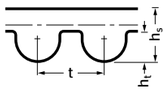
* Maintenance-free in contact with coolants and lubricants.

IN A NUTSHELL:
TECHNICAL SPECIFICATIONS.

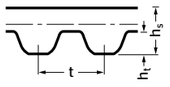
Structure and profiles



HTD profile



STD profile



Profile	Lengths [mm]	Tooth pitch t [mm]	Belt thickness hs [mm]	Tooth height ht [mm]
HTD 8M	288–4,400	8	5.6	3.4
HTD 14M	966–5,740	14	10.0	6.0
STD 8M	376–4,400	8	5.2	3.0
STD 14M	1,120–3,150	14	10.2	5.3

2M, 3M and 5M in preparation

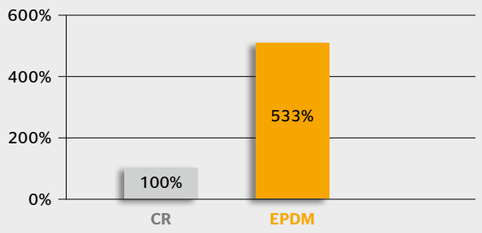
Improved temperature resistance

Test at low temperatures**

	Temperature	Test runs	Cracks in backing
CR	-30 °C	80	160
EPDM	-40 °C	80	3

** The data was measured under specific test conditions and is not universally applicable.

Service life test at 120°C ambient temperature**

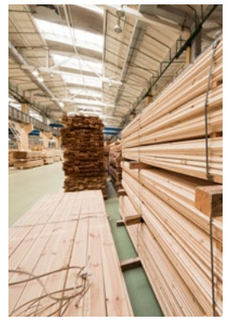


MORE SCOPE FOR YOUR IDEAS
Typical applications.

The timing belts of the new Synchroforce series are ideal for all industries in which rubber timing belts are used.

The improved temperature resistance of the EPDM material opens up new areas of application.

Areas of application:
- Metalworking and paper processing industries
- The food and beverage sector
- Textile, office, printing, and packaging machinery
- Transportation systems
- Wood and building materials industry
- and many more



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