POWER TRANSMISSION
optibelt DELTA CHAIN Carbon
The optibelt DELTA CHAIN Carbon is a new high performance timing belt that sets standards in the market. Up to 100% higher power transmission is possible compared to high performance rubber timing belts.

The optibelt DELTA CHAIN Carbon was designed for high torques and delivers high performance even in extreme use and with high loads.

With its carbon cord, it is the ideal alternative to drives with roller chains.
The overall width of the drive can therefore be considerably reduced. The particular focus here is placed on drives with very high torques.

It runs in optibelt ZRS DC timing pulleys and in the comparable other brand timing pulleys CTD and PC.
optibelt DELTA CHAIN Carbon

BEST TEMPERATURE RESISTANCE
thanks to the use of cast polyurethane – operating temperatures of approx. –30 °C to +80 °C

UNRIVALLED IMPACT STRENGTH
due to a combination of hard polyurethane and hard-wearing carbon fibres
RISTICS

**OPTIMISED TOOTH SHAPE**
for smooth tooth meshing and uniform distribution of force across all the tooth profiles ZRS DC, CTD and PC

**HIGH LEVEL OF RELIABILITY**
in the event of any adverse effects resulting from oil, chemicals or ozone, for example
OUTSTANDING UNDER EXCEPTIONAL CONDITIONS, TEAR-

The innovative combination of materials with an extremely resistant polyurethane compound, an abrasion-resistant and specially treated polyamide fabric, as well as the carbon fibre cord, make the optibelt DELTA CHAIN Carbon resistant to a wide range of chemicals, oils and fluids.
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- **SMOOTH BELT BACKSIDE**
  to reduce running noise when using backside tension idlers

- **NEWLY DEVELOPED SPECIALIST WEBBING**
  for minimal wear and reduced running noise

- **CARBON TENSION MEMBER**
  for maximum dimensional stability and ultimate tensile strength
DOUBLE THE POWER TRANSFER
compared with high performance rubber timing belts – especially at high torques and dynamic stresses
HALF THE OVERALL WIDTH
with the same power transfer compared with high performance rubber timing belts
= optimum cost-efficiency
DRIVE FOR THE FUTURE
OPTIBELT’S INDUSTRY-SPECIFIC SOLUTIONS

145 BRILLIANT YEARS
The range of products and services offered by Optibelt has expanded dramatically throughout the company’s history, which spans more than 145 years. Industry-specific drive solutions from Optibelt are used in every type of application. Innovative products for clearly defined areas of application are provided by the Power Transmission, Automotive Technology, Material Handling and Elastomer Solutions divisions.

FROM COARSE TO FINE
All industries, all applications – Optibelt is one of the leading manufacturers of high performance drive solutions. You will find our products in medical production and opencast mining. In oil extraction and diamond mines. In lawn mowers, racing cars and washing machines. And we have the right solution for your industry too.
STABLE STRUCTURES
Optibelt is on a growth course, worldwide. Our decisions are based on long-term strategies. Because this creates the ideal basic conditions for the development of truly valuable solutions.

ONE QUALITY
Optibelt guarantees the highest quality standards. Anywhere in the world. Regardless of whether a drive solution is manufactured in Asia, the USA or the main plant in Höxter – every Optibelt production plant manufactures products to the same unvaryingly high German quality standards. From the initial idea through to the marketable solution.