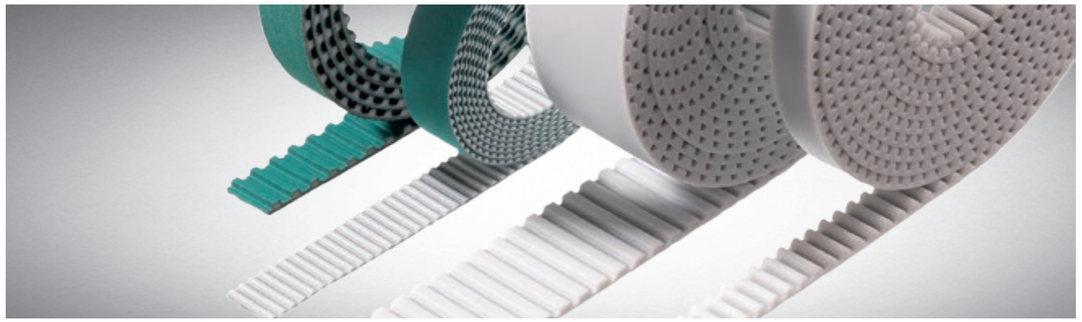
optibelt ALPHA LINEAR

POLYURETHANE TIMING BELTS



The **optibelt ALPHA LINEAR** timing belt is predominantly used in linear drive systems as a large-dimension open-ended belt. The aramid or steel tension cord has extremely low elasticity. The large range of profiles and lengths makes a host of drive solutions possible.

The thermoplastic polyurethane surface is ideal for applying various coatings and welding on cams and lugs.
The main areas of application for the **optibelt ALPHA LINEAR** are found in the field of transport and conveyor technology as well as in the areas of processing and control technology.

Advantages and Characteristics

- high tensile strength with low elongation
- high-precision positioning
- tension cords: steel, highly flexible steel, stainless steel, aramid
- with options of reinforced belt back, T2, yellow PU foam and APL plus
- ATL version timing belts for linear drives
- polyamide fabric supports on tooth side and/or belt top surface available
- PU also available with FDA approval for food contact
- optional colours available

Profiles

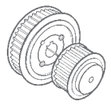
XL; L; H; XH;
T5; T10; T20;
AT5; AT10; AT20;
ATL5; ATL10; ATL20;
5M; 8M; 14M; 14ML;
F2; F2.5; F3; FL3

Roll Length

50 m or 100 m
> 100 m available on request

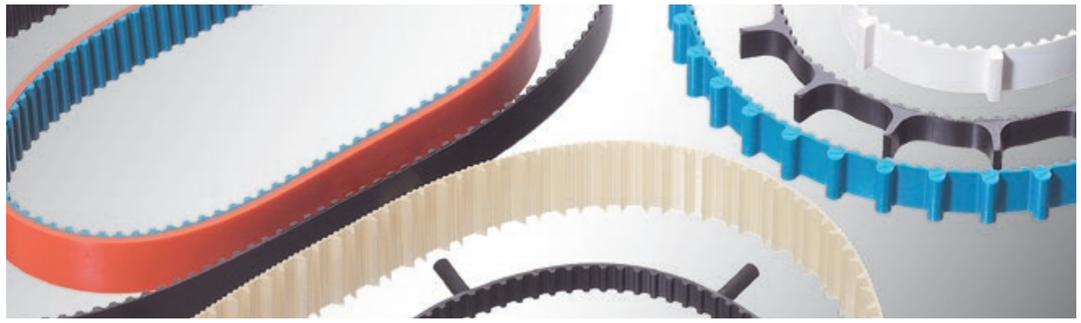
optibelt ALPHA LINEAR
in cross section

optibelt ZRS
TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request



optibelt ALPHA SRP

TIMING BELTS



The **optibelt ALPHA SRP** timing belt with cast cleats and coatings is manufactured in a single production step and used in conveying systems.

The polyurethane is cast between the core mould and the special outer mould with correspondingly increased internal diameter or special outer moulds with the desired contour for the cleats.

By rotating the inner and outer moulds around the central axis, a Shore hardness that differs from that of the teeth can be cast using a centrifugal casting process.

Advantages and Characteristics

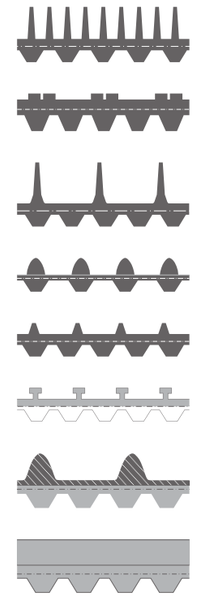
- high number of cleats in a very small space
- strong connection between cleat and base belt
- coating with no butt joints, no binding in direction of travel
- production in moulds allows small, coated belts to be manufactured
- reproducible high precision
- strong connection between cleat/ coating and base belt due to consistent cross-linking
- finely formed cleat geometry thanks to liquid cast polyurethane

Dimensions

T2.5; T5; T10; T20; AT5; AT10; AT20;
MXL; XL; L

Other sizes available on request

optibelt ALPHA SRP
in cross section



TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request.