

The background of the entire image is a detailed, close-up cross-section of a timing belt. It shows multiple layers: a top green layer, a white layer with a wavy profile, a blue layer with a wavy profile, a black layer, and a bottom orange layer. The teeth of the belt are visible on the right side, showing a complex, multi-layered structure.

POLYURETHANE TIMING BELTS

COUNTLESS

VARIATIONS

© OPTIBELT CORPORATION

POWER TRANSMISSION

ALPHA POWER

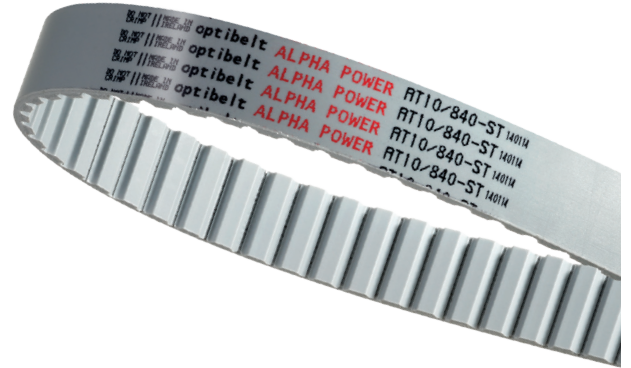
HIGH-PERFORMANCE CAST ENDLESS

- Maintenance-free, High efficiency, High durability
- Up to 30 % higher power transfer
- Tension cords: steel, high-flexible steel, stainless steel
- Custom widths available

Available in

AT5, AT10, T2.5, T5, T10, T20

Double-toothed profiles: DT2.5, DT5, DT10



ALPHA TORQUE

PERFORMANCE CAST ENDLESS

- Maintenance-free, Oil-resistant, High durability
- Tension cords: steel, high-flexible steel, stainless steel, aramid, polyester, Vectran®
- Custom widths available

Available in

AT5, AT10, T2.5, T5, T10, T20, MXL, XL, L

Double-toothed profiles: DT2.5, DT5, DT10



ALPHA FLEX

ENDLESS EXTRUDED

- Counter twist "S" and "Z" cords eliminate pull-bias
- Custom widths available without special factory ordering
- Versatile customization options
 - Polyamide fabric on the teeth from a length of *1,100 mm
 - Direct weld on cleats and V-guides
 - High-flex or stainless steel tension cords

Available in

H, T5, T10, T20, AT5, AT10, AT20, 5M, 8M, 14M

Double-toothed profiles: DT5, DT10, DAT5, DAT10, D5M, D8M



* Length availability may vary depending on the belt profile

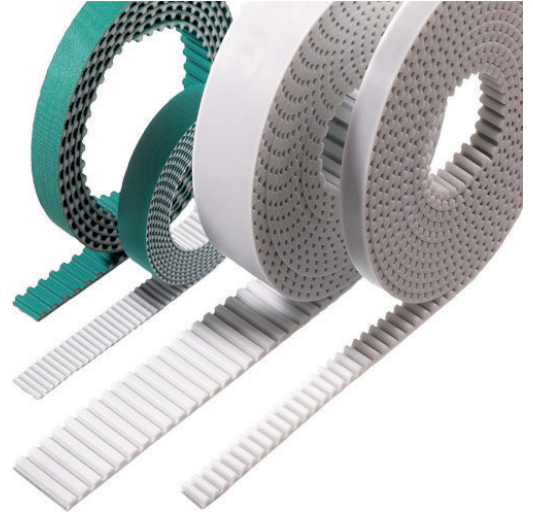
LINEAR DRIVES

ALPHA LINEAR OPEN-ENDED, EXTRUDED

- Tension Cords: high flexible steel, aramid, stainless steel
- Roll lengths of 50 m, 100 m, or custom lengths over 100 m
- Versatile customization options
 - Polyamide fabric on teeth and/or belt top surface
 - Direct weld on cleats and V-guides
 - FDA/EU-compliant materials
 - Thicker belt backings likes T2, PU foam yellow, and Optigrip

Available in

XL, L, H, XH, T5, T10, T20, TT5, AT5, AT10, AT20, ATL5, ATL10, ATL20, 5M, 8M, 14M, 14ML, 14MLP, S8M, F2, F2.5, F3, FL3, T5K6, T10K6, T10K13, AT5K6, AT10K6, AT10K13, ATC10, ATC10K6, ATC20, TC10, HC



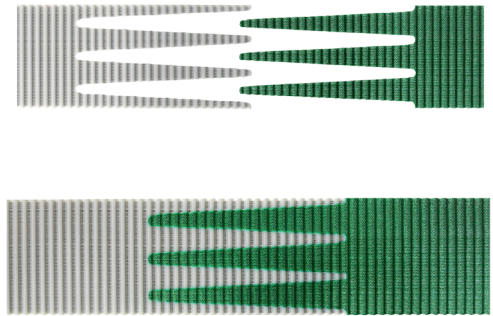
LINEAR JOINING OPTIONS

ALPHA V WELDED POLYURETHANE BELTS

- Cost-effective and readily available
- Versatile use, perfect for product transport drives
- FDA/EU compliant for food contact
- Customizable backings like T2, PU foam yellow, and Optigrip.
- Direct welding for cleats and V-guides with polyamide fabric options.

Available in

XL, L, H, XH, T5, T10, T20, AT5, AT10, AT20, T5K6, T10K13, AT5K6, AT10K6, AT10K13, F2, F2.5, F3, FL3, 5M, 8M, 14M, ATC10, ATC20, ATC10K6, TT5

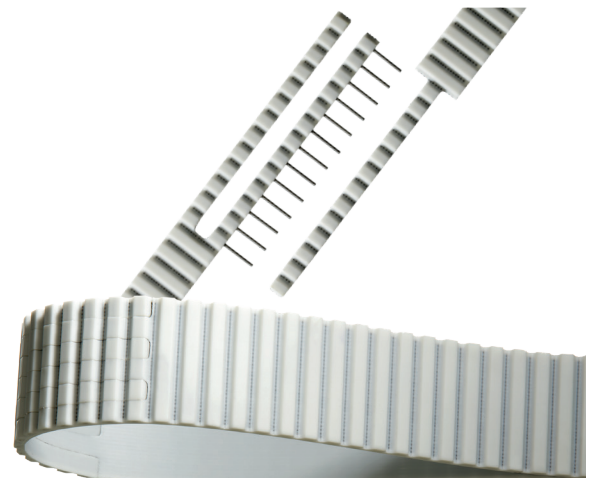


PINJOIN EASY ON-SITE INSTALLATION

- Stainless steel pins prevent pin migration and spread
- Quieter than metal-fastened belts
- Suitable for high-speed applications
- Compact design eliminates the need for large-diameter pulleys
- Handles greater loads than competitors' shorter versions

Available in

T10, AT10, AT20, AT10K6 / K13, T10K6 / K13, 8M, S8M, HK13, H, L



CUSTOM MANUFACTURING

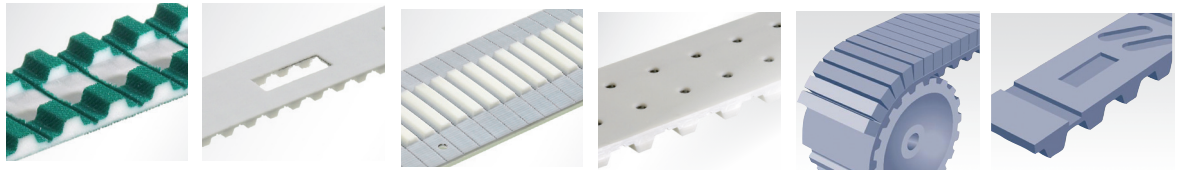
OPTIBELT'S MATERIAL HANDLING SOLUTIONS DELIVER UNMATCHED RELIABILITY.

- Fastest lead times in the industry
- State-of-the-art technology
- USA-fabricated, German-engineered

MECHANICAL PROCESSING

All Polyurethane timing belts can be customized through a variety of Optibelt's machining processes.

- Grinding, Milling
- Water jet cutting
- Punching, Drilling
- Cutting, Carving



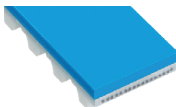
BACKINGS & COATINGS

Optibelt offers over 55 unique backings in stock.

SMOOTH

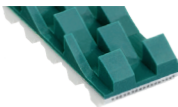


Linatex

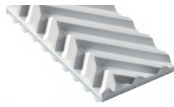


PU Foil FB

STRUCTURED



PVC Shark Tooth



PVC Fishbone

FOAM

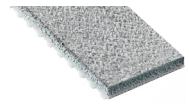


Sylomer Foam

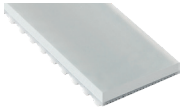


PU Foam

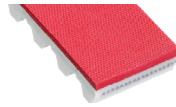
SPECIAL



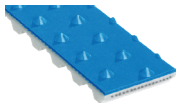
Chrome Leather



Optigrip



Red Rubber



Pointed Cone



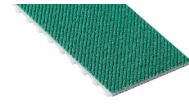
Longitudinal
Groove



Sponge Rubber



Sylomer Foam
Brown



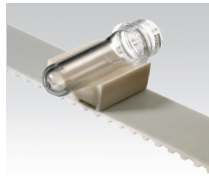
Fabric

CLEATS & ATTACHMENTS

Our advanced cleat manufacturing, including 3D printing, enables virtually any design with a wide range of materials.



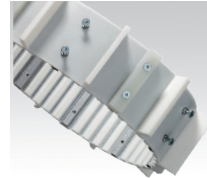
GUSSETED CLEATS



CLEAT-HOLDER



ATC MECHANICAL
ATTACHMENT



FALSE TOOTH
MECHANICAL
ATTACHMENTS

**SUBMIT
YOUR
INQUIRY**

Get started now!

