



## MATERIAL HANDLING POLYURETHANE TIMING BELTS



# POWER TRANSMISSION

## ALPHA POWER

### HIGH-PERFORMANCE CAST ENDLESS

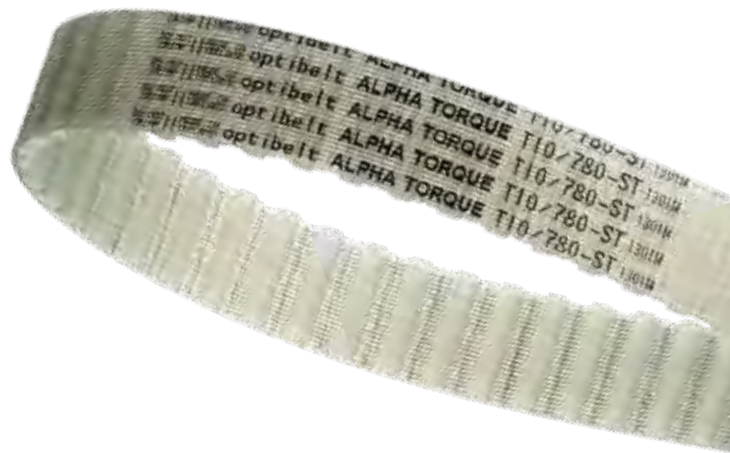
- Up to 30% more power
- Tension cords: steel, high flexible steel, stainless steel
- Available profiles: AT5, AT10, T2.5, T5, T10, T20
- Double-toothed profiles: DT2.5, DT5, DT10
- Custom widths available without special factory ordering.



## ALPHA TORQUE

### PERFORMANCE CAST ENDLESS

- Available profiles: AT5, AT10, T2.5, T5, T10, T20, MXL, XL, L
- Double-toothed profiles: DT2.5, DT5, DT10
- Tension cords: steel, high flexible steel, stainless steel, aramid, polyester, Vectran®
- Custom widths available without special factory ordering.



## ALPHA FLEX

### ENDLESS EXTRUDED

- Counter twist "S" and "Z" cords eliminates pull-bias.
- Available in profiles: H, T5, T10, T20, AT5, AT10, AT20, 5M, 8M, 14M
- Double-toothed profiles: DT5, DT10, DAT5, DAT10, D5M, D8M
- Custom widths available without special factory ordering.

### CUSTOM OPTIONS

- Polyamide fabric on the teeth from a length of 1,500 mm
- Direct weld on cleats and V-guides
- High-flex or stainless steel tension cords
- Additional customization options are available.





# LINEAR DRIVES

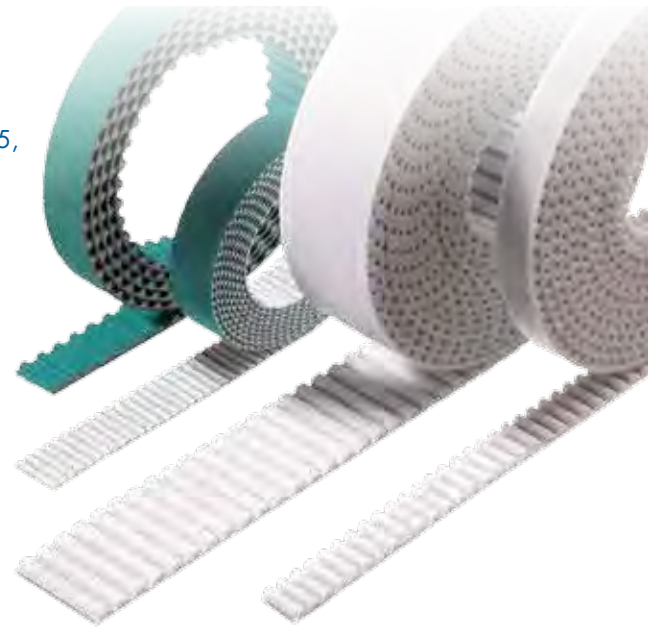
## ALPHA LINEAR

### OPEN-ENDED, EXTRUDED

- Available profiles: 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
- Tension Cords: high flexible steel, aramid, stainless steel
- Roll lengths 50 m or 100 m; 100+ m available

### CUSTOM OPTIONS

- Polyamide fabric layers on the teeth and/or the belt top surface
- Direct weld on cleats and V-guides
- FDA/EU approval for direct contact with food
- Thicker belt backings: T2, PU foam yellow and APL plus
- Optional colors available



### LINEAR JOINING OPTIONS

## ALPHA V

### WELDED POLYURETHANE BELTS

- Lower-priced and quick availability
- Ideal for product transport drives
- Available with polyamide fabric on the teeth and/or on the belt top surface
- Available in FDA/EU compliant construction for direct contact with food
- Optional with thicker backings: T2, PU foam yellow, and APL plus
- Direct welding on cleats and V-guides available



SPLICED SECTIONS



JOIN & WELDING



FINISHED JOINED BELT

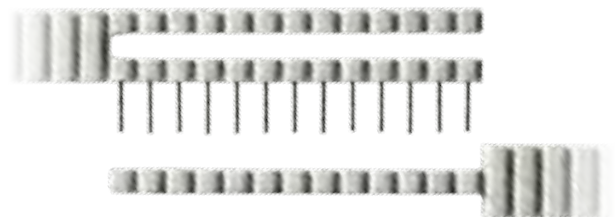
## PINJOIN

### FOR ON SITE CONNECTIONS.

The belt is joined using threaded stainless steel pins in cross holes through the tooth. These can also be used in food and pharmaceutical industry.

The pinjoin connection can also be used with coated belts. The standard width ranges of lock connections for the profile AT10 are 25, 32, and 50 mm.

More profiles, intermediate widths, and widths exceeding 50 mm are available upon request.



FINISHED JOINED BELT



# CUSTOM MANUFACTURING

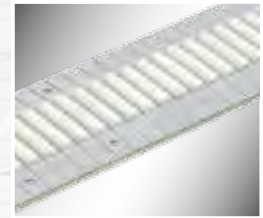
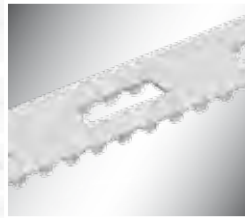
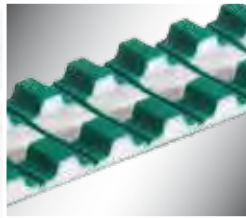
## ALPHA SPECIAL

ALPHA FLEX and ALPHA LINEAR products can be highly customized to meet a wide range of manufacturing or conveyance needs. OPTIBELT's custom manufacturing facilities can machine, cut, route, and attach to create the belts your facilities need. Below is a consolidated list of processes and materials we can apply to our extruded polyurethane products.

### MECHANICAL PROCESSING

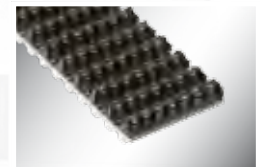
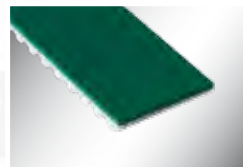
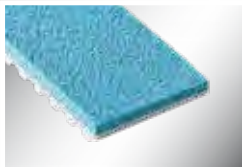
All Polyurethane timing belts can be customized through one of OPTIBELT's many machining processes.

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



### BACKINGS & COATINGS

OPTIBELT has one of the largest ranges of coatings and backings available.



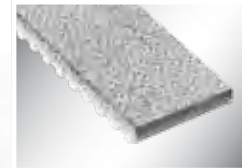
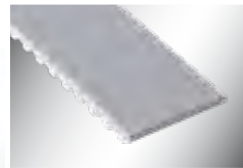
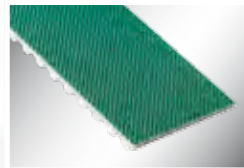
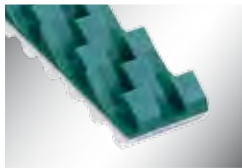
**FOAM-POLY.**

**FOAM-RUBBER**

**FOAM-PVC**

**STRUCTURED-POLY.**

**STRUCTURED-RUBBER**



**STRUCTURED-PVC**

**PA FABRIC**

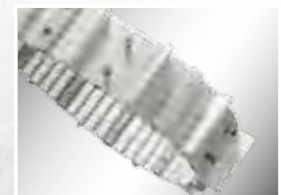
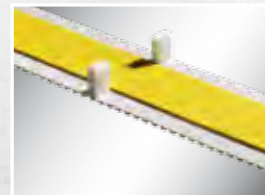
**SPECIAL-PTFE**

**SP-CHROME LEATHER**

**SP-MULTI-PROCESS**

### CLEATS & ATTACHMENTS

To accommodate custom manufacturing needs OPTIBELT also offers a complete range of cleating & attachment options.



**CLEATS-PLATFORM**

**CLEAT-HOLDER**

**CLEAT-GUIDE**

**ATTACH. W/GUIDE**