

# Ydins<sup>®</sup>

ENGINEERED PU TIMING BELTS

A close-up view of several timing belts with different surface coatings. One belt has a brownish-tan coating, another has a green coating, and a third has a blue coating with a textured pattern.

COATED  
BELTS

A close-up view of a blue timing belt with custom-shaped, pyramid-like cleats protruding from its surface. The belt is shown in a curved, overlapping manner.


BELTS WITH  
CUSTOM CLEATS

A close-up view of a blue timing belt with a complex, machined profile. The teeth are rectangular with rounded tops and a specific spacing.

SPECIAL  
MACHINED BELTS

A close-up view of a white timing belt with circular inserts and false teeth. The belt is shown in a curved, overlapping manner.

BELTS WITH  
INSERTS & FALSE TEETH

A close-up view of a metal junction system for timing belts, showing a series of parallel metal rods and a central component.

JOINCTION SYSTEMS  
FOR BELTS

# ***Ydins***<sup>®</sup>

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Evolution, Innovation and Commitment are the benchmarks on which LINDIS, along with its new Ydins brand, bases its project of Engineered PU Timing Custom Belts.

The manufacturing of all our products is based on the purchase of the best industrially components which are refined into the custom timing belt fabricating needs.

A close-up photograph of several different types of coated belts. One belt is a solid tan color, another is a solid blue color, and a third is a green color with a textured surface. They are all shown in a slightly curved, overlapping arrangement.

**COATED  
BELTS**  
PAGE 4

A photograph of a blue conveyor belt with custom-made cleats. The cleats are dark blue, rectangular with a pointed top, and are spaced evenly along the length of the belt. The belt is shown in a curved, overlapping view.


**BELTS WITH  
CUSTOM CLEATS**  
PAGE 6

A photograph of a blue conveyor belt with a complex, machined profile. The profile consists of a series of vertical, rectangular ridges that are slightly curved and have a specific shape, designed for specialized material handling.

**SPECIAL  
MACHINED BELTS**  
PAGE 8

A photograph of a white conveyor belt with circular inserts. The inserts are arranged in a regular pattern along the length of the belt. Some of the inserts are shown in a close-up, highlighting their circular shape and the way they are mounted on the belt's surface.

**BELTS WITH  
INSERTS & FALSE TEETH**  
PAGE 10

A photograph of a metal junction system for conveyor belts. It features a series of parallel metal rods or pins that are used to connect and secure the ends of two conveyor belts together. The system is shown in a close-up, highlighting the precision of the metal components.

**JOINCTION SYSTEMS  
FOR BELTS**  
PAGE 12



# COATED BELTS

Coatings on timing belts are a solution to improve the performance, adaptability and safety of transportation systems in different industrial sectors. Each coating has specific properties that meet the demands of each application, ensuring efficient and safe operation.

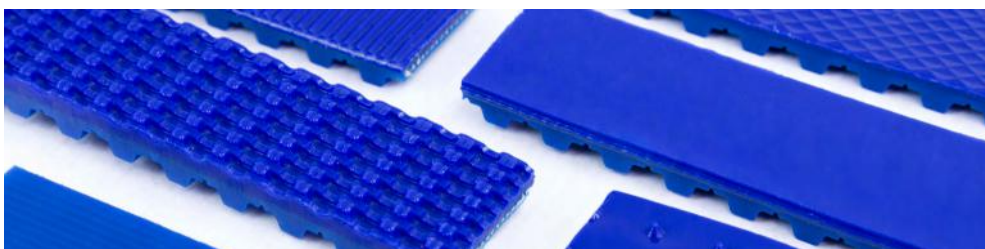
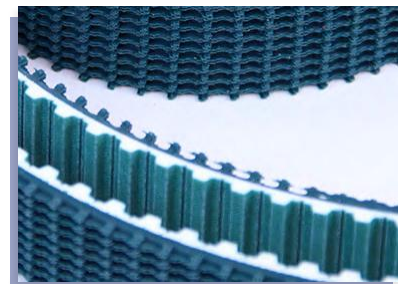
## CUSTOM FINISHES

Timing belt coatings are essential for adapting their surface to the specific needs of each application, providing properties such as **wear resistance, improved traction, high-temperature resistance, non-stick characteristics, or chemical resistance.**

Furthermore, different coatings can be combined to achieve even more specific results depending on the type of material being transported and the operational conditions, such as speed, temperature, or working environment.

## FDA COATINGS

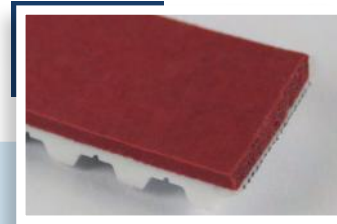
FDA-approved coatings ensure **safety** in direct contact with **food and pharmaceutical products.** These coatings comply with the strictest standards, providing a safe and easy-to-clean surface, which is essential to prevent contamination. They are ideal for transporting food, medicines, and other sensitive products, ensuring their integrity and quality.



## COATINGS



NATURAL RUBBER  
50 SHORE A



LINATEX  
40 SHORE A



PU GRIP 40A



PU TEX 60A

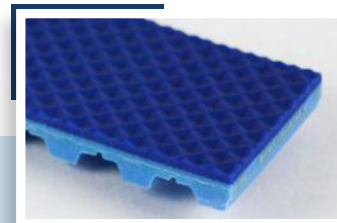


SYLOMER GREEN  
275kg / m<sup>3</sup>

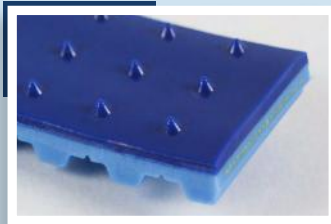
## FDA COATINGS



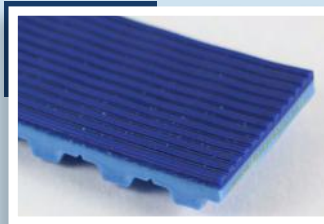
TIMING BELT  
PU BLUE - FDA



ID PU80A  
FDA



SP PU80A  
FDA



LGB PU80A  
FDA



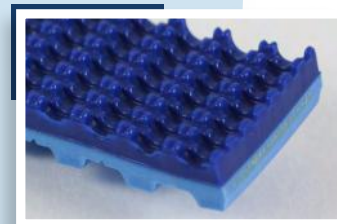
TGA PU80A  
FDA



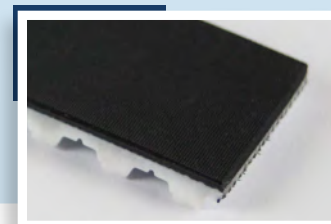
EST PU75A  
FDA



SG PU65A  
FDA



ESG PU75A  
FDA



PU SR 80A  
Antistatic - FDA



PU SM 95A  
FDA



PU LGA 65A  
FDA

# BELTS WITH CUSTOM CLEATS

One of the elements that enhances the functionality and versatility of timing belts in the industrial sector is custom cleats, which optimize product transportation by providing greater stability and facilitating transport in many types of systems.

## ADAPTABILITY AND EFFICIENCY

Custom cleats are additional profiles placed on the surface of the belt to assist in the transport of specific products. These cleats are tailored to the specific needs of each application, allowing for a unique fit and optimized performance of the conveyor system. The ability to customize cleats in terms of shape, size, and spacing makes them an ideal solution for complex industrial applications.

## FEATURES

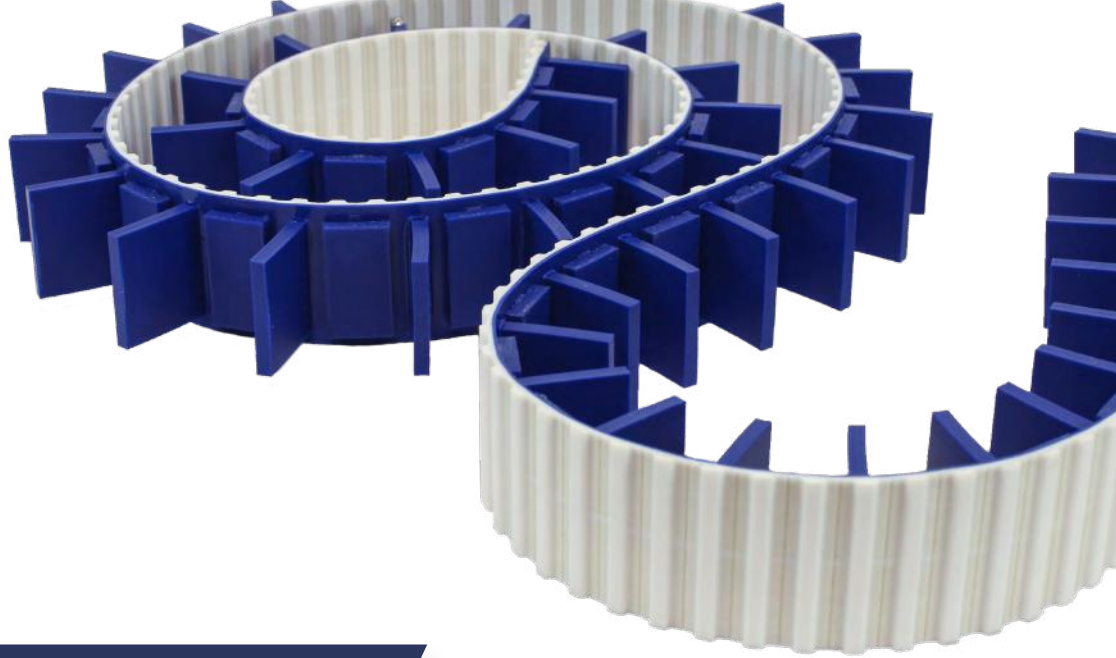
- ▶ **Custom Design:** Cleats can be adapted in shape, size, and material to meet the specific requirements of the transportation process.
- ▶ **High-Quality Materials:** Available in many materials that ensure durability and compatibility with operating conditions.
- ▶ **Flexible Installation:** Can be integrated into belts of different materials and dimensions, facilitating their incorporation into new or existing systems.
- ▶ **Resistance to High Demands:** Designed to withstand heavy loads, high temperatures, and harsh environments, depending on the type of material.





**PATENTED**  
process tech

EP3928968



## ADVANTAGES

- ▶ **Transport Optimization:** Ensure products remain in the correct position throughout the conveying process.
- ▶ **Versatility:** Custom cleats can be used in a wide range of industrial applications.
- ▶ **Increased Productivity:** Greater efficiency in product handling reduces downtime.
- ▶ **Easy Maintenance:** Cleat design allows for easy inspection and, when necessary, quick replacement.

## APPLICATIONS

- ▶ Food Industry
- ▶ Construction Industry
- ▶ Packaging Systems
- ▶ Internal Logistics and Distribution



# SPECIAL MACHINED BELTS

Special machining on timing belts ensures optimal performance and meets the specific demands of each application. Every sector and process has unique requirements, and customization allows the belt's features to be tailored to particular working conditions. This results in significant improvements in the efficiency, safety, and durability of the conveyor system.







## ADVANTAGES

- ▶ **Customized Adaptation:** Machining adjusted to meet each client's unique specifications.
- ▶ **High-Quality Materials:** Materials and tools that guarantee maximum durability and strength.
- ▶ **Performance Improvement:** Optimization of belt efficiency and reduction of wear, extending the product's lifespan.

# BELTS WITH INSERTS

In industrial transport systems, inserts and false teeth in timing belts are components that ensure a firm attachment of cleats while maintaining the integrity and functionality of the belt's toothed base. These elements guarantee stable and efficient transportation, adapting to the specific needs of each process.

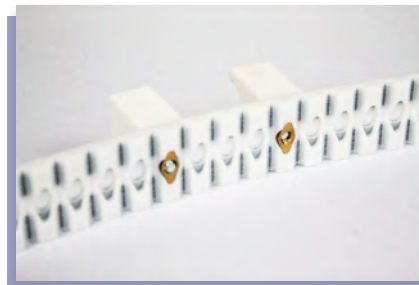
## ATN BELTS + INSERTS

The inserts for ATN belts enable the attachment and adjustment of cleats and profiles without compromising the toothed base. Their practical design allows for easy installation, interchange, and reconfiguration using simple hand tools, ensuring maximum versatility for conveying, stepping, and indexing applications.

### ADVANTAGES

- ▶ Quick reconfiguration without removing the belt.
- ▶ Adaptable to multiple profiles to meet application needs.

The ATN belts, made from abrasion-resistant polyurethane, they provide precision and durability, making them the perfect foundation for customizable applications.





# BELTS WITH FALSE TEETH

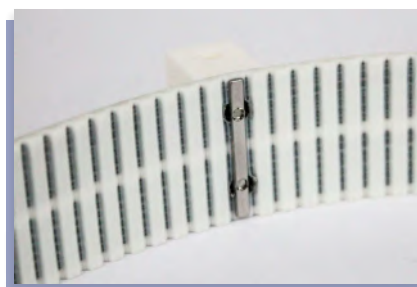
## TIMING BELT + FALSE TEETH

False teeth technology allows timing belts to be transformed into a highly reliable synchronous transport system which combines the robustness of the mechanical system with the flexibility in the choice of materials provided by attachments. Timing belts with false teeth are widely used in the sector of automatic machinery, packaging and industrial automation.

### ADVANTAGES

- ▶ High load-bearing capacity.
- ▶ Variety of formats and materials available.
- ▶ Suitable for a wide range of belt materials.

When a high-strength and flexible solution is needed, false teeth are the ideal choice to optimize belt performance with cleats or profiles in any demanding application.





# JOINTION SYSTEMS FOR BELTS

In the industrial sector, timing belts are a essential component for the efficient transport of materials. The joining of these belts is key to ensure operational continuity and minimize downtime.

The three most prominent jointion systems are: Pin-Joint, Fasteners, and Endless.

## PIN-JOINT

The Pin-Joint is a system that enables quick and easy belt connection by using a pin inserted into the pre-drilled ends of the belt. This type of splice is ideal for applications requiring frequent assembly and disassembly.

### FEATURES

- ▶ Quick installation and removal.
- ▶ Requires prior belt preparation with precise perforations.
- ▶ Provides a solid connection.

### ADVANTAGES

- ▶ Easy maintenance and pin replacement.
- ▶ Does not require complex tools.
- ▶ Ideal for environments where quick belt changes are needed.

### APPLICATIONS

- ▶ Sorting and packaging systems.
- ▶ Modular conveyors.
- ▶ Food and pharmaceutical industries where quick disassembly for cleaning is crucial.



## HOOKS

This junction system is a mechanical method that uses metal hooks to join the ends of a belt. It is one of the most common methods due to its simplicity and effectiveness under various conditions.

### FEATURES

- ▶ Quick and easy installation.
- ▶ Use of metal hooks that provide a robust connection.
- ▶ Applicable to belts made of various materials.

### ADVANTAGES

- ▶ Strength and durability under demanding working conditions.
- ▶ Easy to install without the need for specialized equipment.
- ▶ Suitable for emergency repairs.

### APPLICATIONS

- ▶ Mining and construction.
- ▶ Agriculture.
- ▶ Food processing.



## WELDED

The welding system allows for a continuous and permanent connection of belts without the need for mechanical splices. This method is ideal for applications requiring a strong and durable connection.

### FEATURES

- ▶ Continuous connection in the belt without interruptions.
- ▶ Does not require perforations or additional components.
- ▶ Increases strength by eliminating stress points.

### ADVANTAGES

- ▶ Greater durability due to the absence of mechanical joints.
- ▶ Ideal for applications requiring continuous transmission.

### APPLICATIONS

- ▶ High-load conveyors in heavy industries.
- ▶ Equipment where constant transmission is essential.
- ▶ Sectors such as automotive or textile, minimizing the risk of breakdowns.



EVOLUTION  
INNOVATION  
COMPROMISE

***Ydins***<sup>®</sup>

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