

Ydins[®]

ENGINEERED PU TIMING BELTS

A close-up photograph of a timing belt with a blue, ribbed, and textured surface, likely a coating, against a dark blue background.

**COATED
BELTS**

A close-up photograph of a blue timing belt featuring a series of custom-shaped, raised cleats along its length.

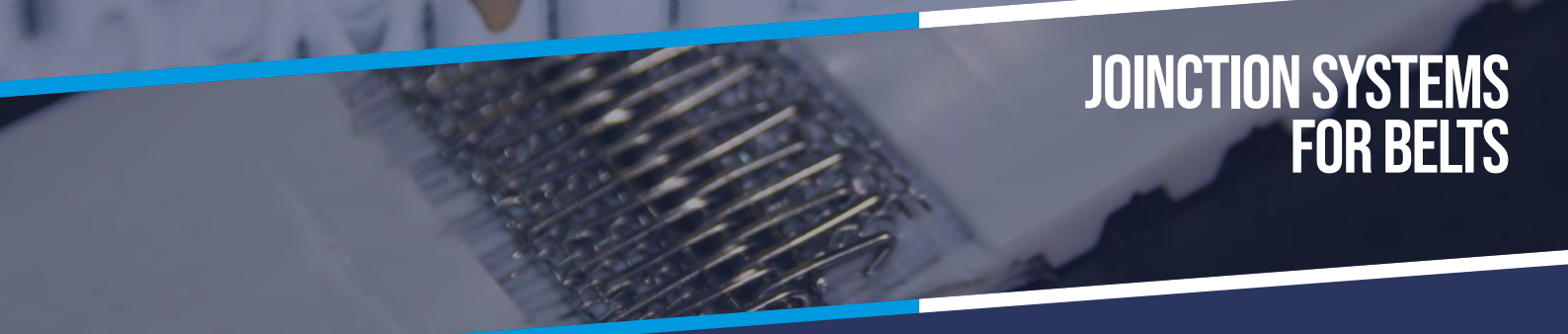
**BELTS WITH
CUSTOM CLEATS**

A close-up photograph of a blue timing belt with a complex, machined profile, showing multiple teeth and grooves.

**SPECIAL
MACHINED BELTS**

A close-up photograph of a white timing belt with a series of false teeth and inserts, designed for specific mechanical applications.

**BELTS WITH
INSERTS & FALSE TEETH**

A close-up photograph of a timing belt joint system, showing a series of metal pins and a spring mechanism used for joining the belt segments.

**JOINCTION SYSTEMS
FOR BELTS**



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.



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BELTS**
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**SPECIAL
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**BELTS WITH
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**JOINCTION SYSTEMS
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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.

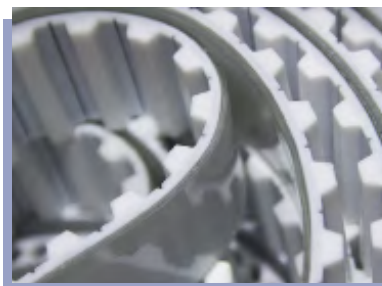
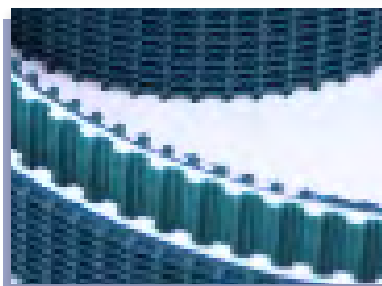
CUSTOM FINISHES

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

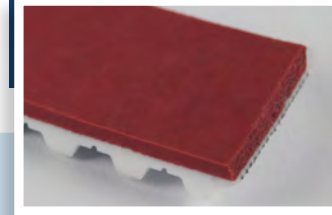
FDA-approved coatings ensure **safety** in direct contact with **food** and **pharmaceutical products**. These coatings comply with the strictest standards, providing a safe and easy-to-clean surface, which is essential to prevent contamination. They are ideal for transporting food, medicines, and other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



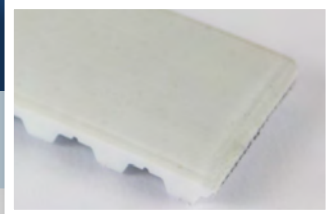
COATINGS



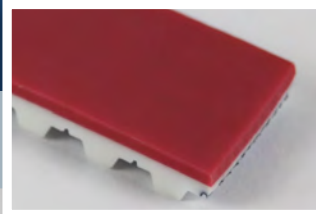
NATURAL RUBBER
50 SHORE A



LINATEX
40 SHORE A



PU GRIP 40A



PU TEX 60A

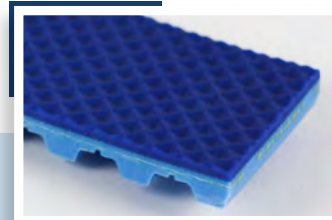


SYLOMER GREEN
275kg / m³

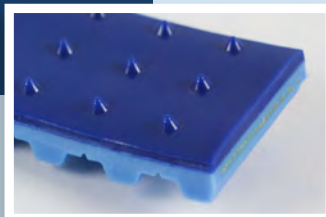
FDA COATINGS



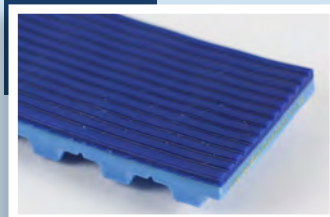
TIMING BELT
PU BLUE - FDA



ID PU80A
FDA



SP PU80A
FDA



LGB PU80A
FDA



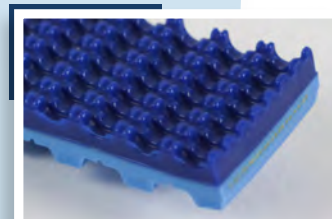
TGA PU80A
FDA



EST PU75A
FDA



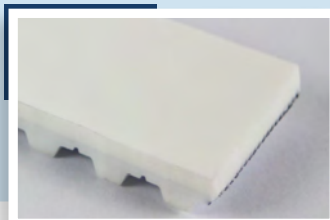
SG PU65A
FDA



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.

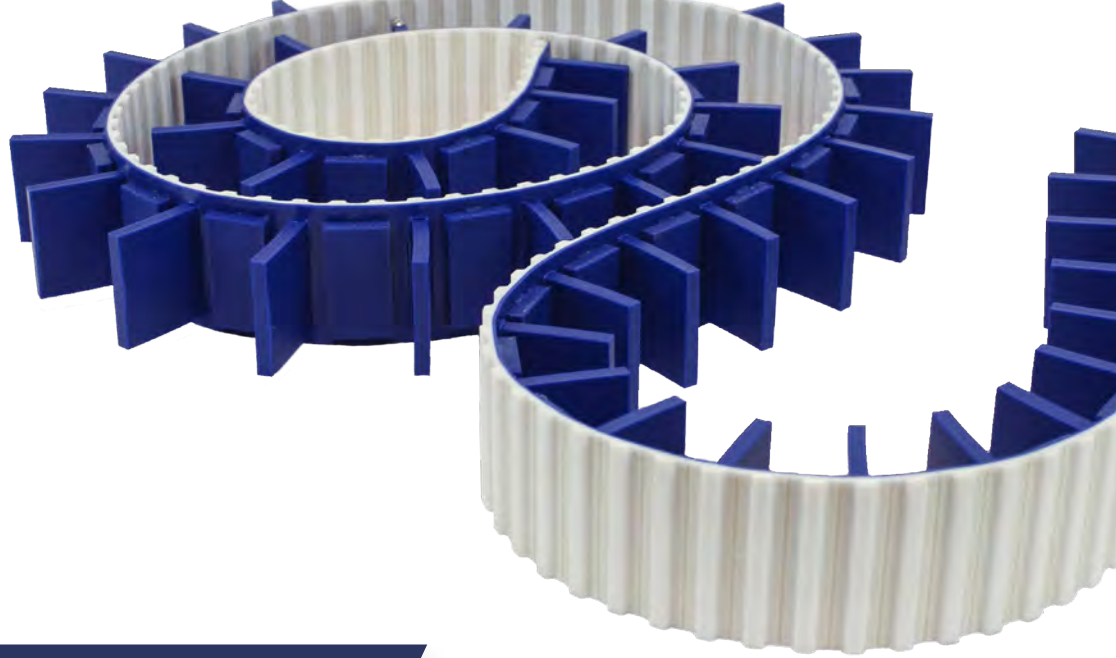
FEATURES

- **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

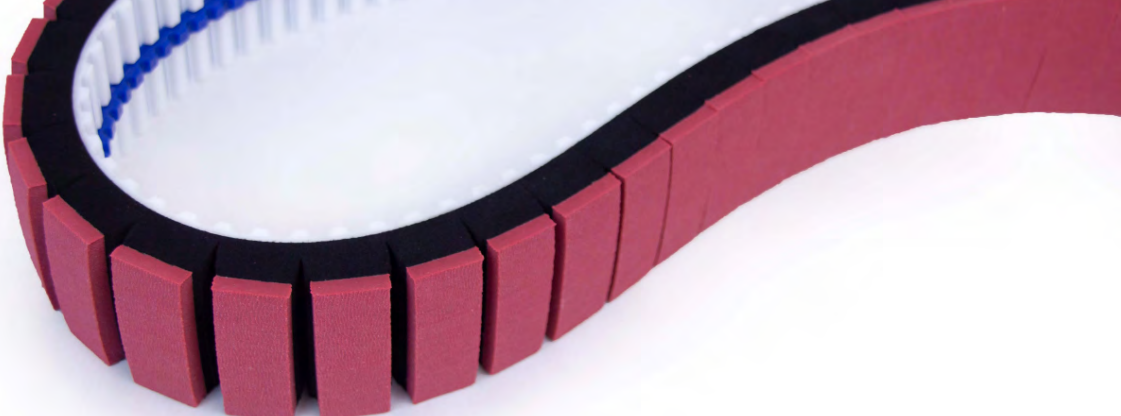
- ▶ **Food Industry**
- ▶ **Packaging Systems**
- ▶ **Logistics and Distribution**



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

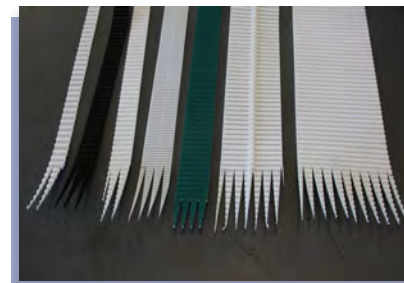
- ▶ Continuous connection in the belt without interruptions.
- ▶ Does not require perforations or additional components.
- ▶ Increases strength by eliminating stress points.

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

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