

P2G12 HabaSYNC® Flat Belt with integrated tracking guide

Reliable guided-belt-driven live rollers operations



Live roller conveyor systems are essential in distribution centers, enabling the efficient movement of goods along processing lines, sorting areas, and loading docks. These systems rely on steel, belt-driven rollers to transport items, making them ideal for handling packages of various sizes and weights.

Yet, they often face challenges like unstable performance, operational noise, and frequent maintenance due to drive belt limitations.

The new P2G12 flat belt is designed to overcome these challenges, delivering reliable performance and a long lifespan without requiring the precise pulley adjustments typical of flat belts. Its integrated tracking guide ensures consistent, straight belt movement, preventing misalignment. Key benefits include:

- **Maximized efficiency**
- **Improved reliability**
- **Reduced maintenance costs**
- **Enhanced workplace safety**

Experience a longer lifespan and greater flexibility

The P2G12 flat timing belt, featuring an integrated tracking guide, is specifically engineered to ensure easy and reliable belt tracking in live roller conveyors, where the belt runs beneath the rollers in grooved pulleys for precise guidance.



Enhanced durability

Constructed with high-quality polyester TPU and wear-resistant materials, the P2G12 belt delivers long-lasting performance, significantly reducing the need for frequent replacements.



Strong and stable design

Reinforced with aramid cords as the tensile member, the belt matrix ensures minimal elongation and consistent operation over time. The G12 tracking guide, shaped through an advanced extrusion process, further enhances stability and reliability.



Quick and easy maintenance

The adhesive-free joining system allows for fast and safe belt replacements directly on-site using a portable press, such as the Habasit PML. This ensures minimal downtime and maximum convenience.



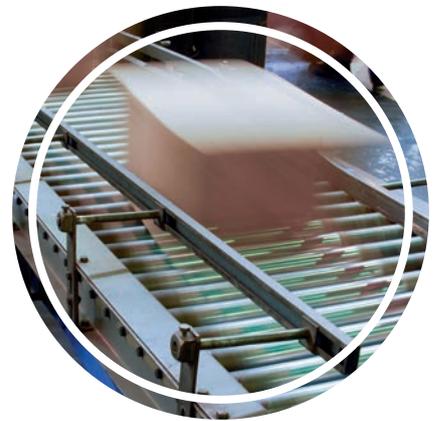
Improved grip and reliability

With a high coefficient of friction (85 Sh.A TPU), the P2G12 belt ensures dependable roller movement, preventing slippage and boosting productivity. The polyamide fabric on the V-guide facilitates alignment with the pulleys' grooves.



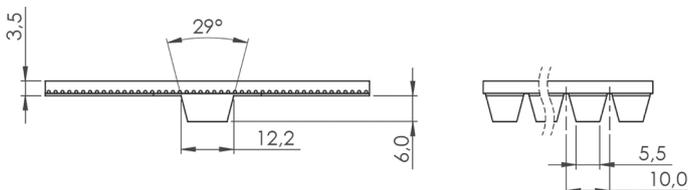
Quiet operation

Fully covered PA fabric tracking guide minimizes noise, creating a quieter and safer working environment for your team.



Technical data

Product	Belt slitting width (nominal)	Admissible tensile force (open belt)	Admissible tensile force (joined belt)	Tensile force for 1% elongation	Belt weight	Material
P2G12	75.0 mm	9000 N	4500 N	15000 N	0.36 kg/m	TPU - polyester
	3.0 inch	2023 lbf	1012 lbf	3372 lbf	0.24 lb/ft	Type 16



Scan the code for
Product Data Sheet

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