



TPU BELTS

THERMOPLASTIC POLYURETHANE

INTRALOGISTICS





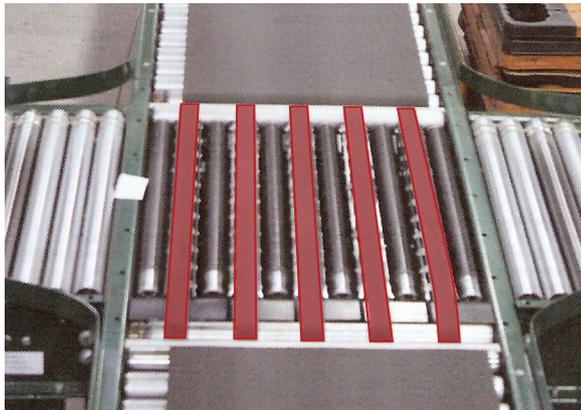
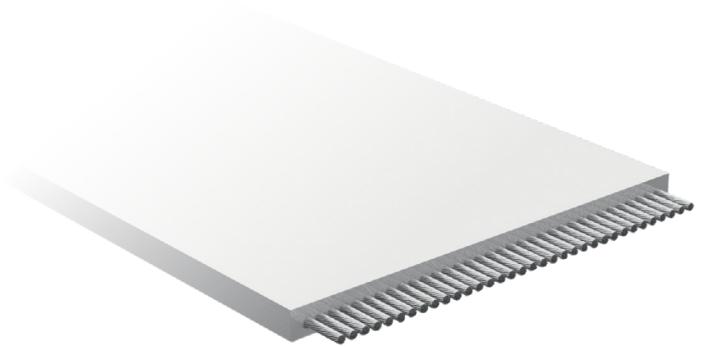
INTRALOGISTIC SOLUTIONS

Making the logistical flow of material goods run smoothly is what matters in intralogistics, so your belt needs to be 100% reliable. The Gates intralogistics belt program combines the durability of top-quality products with optimal lead times and a reliable partnership, making it the number one choice for polyurethane synchronous belts. Our belts are designed to meet the specific needs of demanding, high-performance applications in automated warehouse systems. The wide product range covers an extensive variety of applications: conveyance, shuttles, automated storage and retrieval systems, and stacker cranes.



INTRALOGISTIC CONVEYING SYSTEMS

You can rely on Gates' polyurethane synchronous belts found in moving and conveying systems such as assembly lines within warehousing, storage and retrieval systems, shuttle systems, and conveyor transfer systems. Gates' belts guarantee 100% reliability under the most diverse circumstances to meet the needs of the materials handling and conveying industries.



TIMING BELTS	
T5AS	Antistatic belt for transfer systems
AT5	For transfer conveyors
T10	For general conveyors, standard or low temperature PU grade
AT10	
AT20	For heavy load conveying

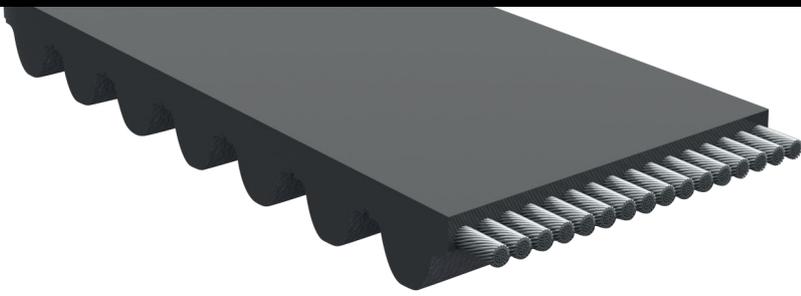
LRB-45 LIVE ROLLER DRIVE BELT

- High friction, knurled diamond pattern on top ensures high grip and less slip on the rollers
- Low friction antistatic fabric on the bottom prevents static buildup
- Aramid cord design for lower stretch and longer life compared to competitor belts
- Designed to be spliced with OEM equipment
- Available in roll lengths up to 660 ft (200 meters)



ASR: AUTOMATED STORAGE AND RETRIEVAL SYSTEMS

Gates high-tensile strength, open-ended linear belts are designed for high-load and dynamic linear movements, making them the perfect fit for horizontal and vertical drives in mini-load warehouse systems. For take-off devices, Gates offers endless welded belt with or without backings.



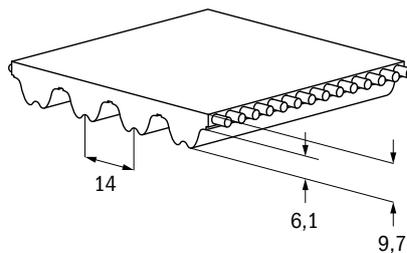
FOR TAKE OFF DEVICES	
T10	<ul style="list-style-type: none"> With high friction backings
AT5	<ul style="list-style-type: none"> Low temperature PU grades for cold storage available
AT10	<ul style="list-style-type: none"> Endless welded or endless flexbelt for small pulley diameters
FOR VERTICAL AND HORIZONTAL MOVEMENT	
ATL10	<ul style="list-style-type: none"> The optimal belt selection for your specific machine design
AT20	<ul style="list-style-type: none"> With Nylon fabric on tooth side for less noise and low vibration
ATL20	<ul style="list-style-type: none"> Low temperature PU grades for cold storage available
HTD8M	<ul style="list-style-type: none"> Various steel cord constructions for optimal tensile strength and high stiffness
HTDL8M	
HTD14M	
HTDL14M	
GPP14	

STACKER CRANES, PALLET STORAGE AND RETRIEVAL MACHINES

Tension within lifting applications puts much more strain on belts. Gates high-load timing and flat belts provide extreme tensile strength and stiffness thanks to the extra strong steel reinforcement of the belt. Resistant to forces up to 427kN, our belts even exceed the industry standards to help you design state-of-the-art machines ready for the future.



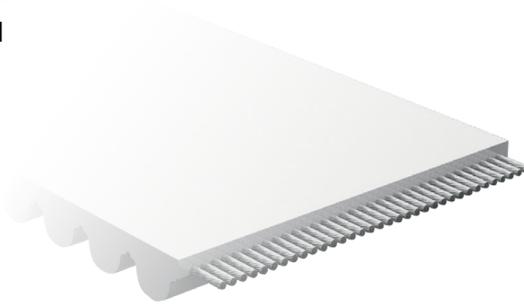
GPP14



- High-performance synchronous belt
- Available in 2 versions: GPP14-SL and GPP14-RSL
- Higher load carrying capacity due to extra high strength steel cord

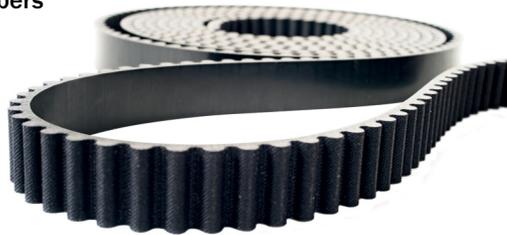
SHUTTLE SYSTEMS

Gates power transmission belts drive the shuttles. Endless and open-ended PU belts work in telescope take-off systems in shuttles, and Gates high-load open-end belts lift the boxes quietly and precisely to the conveyor systems.



HTD8M

- High modulus tensile members giving length stability
- Accurate positioning
- High resistance versus tooth jumping
- Low noise, low vibration drives
- Gates HTD belts are available in various designs to fulfill diverse requirements in intralogistic applications



GT4

- Substantially increased power ratings: up to 30% more than previous constructions
- Compact, lightweight and cost-effective drives
- High capacity belt with reduced noise levels





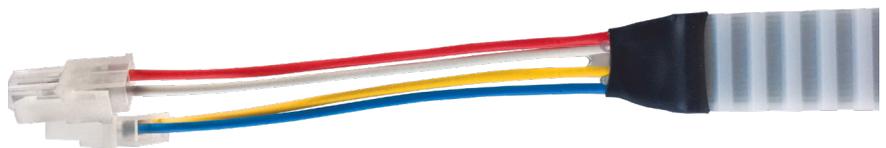
AT10

- For precision movement and high torque applications such as shuttle systems



E-BELT

- Used to drive telescoping arm applications





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THERMOPLASTIC POLYURETHANE

Every day design engineers, maintenance people, equipment manufacturers and their customers around the world rely on Gates' in-depth knowledge of the intralogistics industry to keep them running smoothly, safely and reliably. We specialise in material science and custom engineering support, which results in true intralogistic system solutions. Gates is the ideal partner for all your intralogistic system design needs.

BROAD PRODUCT RANGE

Our extensive product range covers a wide variety of applications moving and conveying a diverse universe of articles and packaging.

UNRIVALED APPLICATION SUPPORT

Our engineering team will provide solutions that perfectly fit your application requirements.

GLOBAL SERVICE

Gates solves challenges globally with production and distribution partners worldwide.

RAPID DELIVERY

Gates provides fast quotation response and rapid delivery.

GATES.COM

Our catalog includes the complete product line up and technical data and is available to download from our website. Additional variations and special packaging are available upon request.

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