



DRIVEN BY POSSIBILITY™

GATES INTRALOGIX™ LRB-100

THE NEXT GENERATION OF ARP BELTING

Gates IntraLogix LRB-100 sets a new standard of belting for Vanderlande Accumulating Roller Pneumatic (ARP) .M systems in high-performance, automated intralogistics warehouses. By replacing traditional flat PVC belts which have applicated v-guides, LRB-100 offers a fully homogeneous, design that eliminates delamination, increases belt life, and reduces the need for regular maintenance. This innovative approach lowers total cost of ownership with unparalleled reliability, consistency, and increased operational predictability.

TECHNICAL FEATURES

- Integrated v-guide for precise tracking
- Self-aligning design for consistent, high-quality welds
- Low-stretch construction for lasting performance
- Abrasion-resistant TPU for enhanced durability
- Engineered for Vanderlande .M conveyance systems

COMPETITIVE EDGE



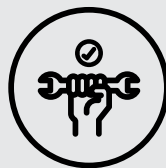
MAXIMUM UPTIME

>5x longer belt life*



#1 FAILURE MODE ELIMINATION

Integrated v-guide eliminates delamination



EASE OF INSTALLATION

Self-aligning notched v-guide



REDUCED SYSTEM STRESS

73% less drive tension needed**



IN-REGION SUPPLY ADVANTAGE

US manufacturing, with global capabilities

*On average, compared to equivalent competitor ARP belts in accelerated Dyno testing.

**Compared to industry-leading warehouse installation procedures.

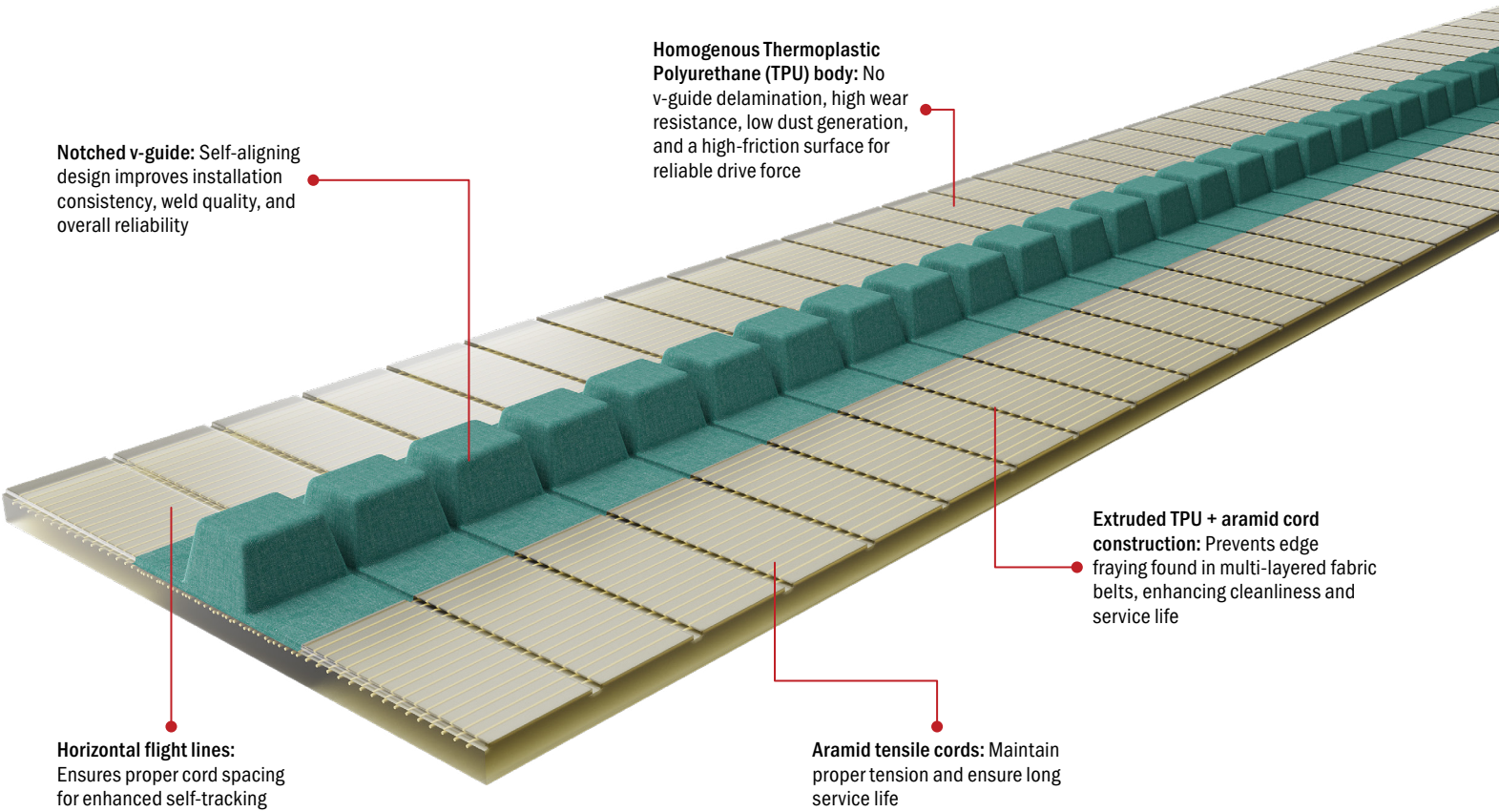
REDEFINING RELIABILITY FOR AUTOMATED LOGISTICS

As the industry moves toward more unified architectures that prioritize long-term stability, Gates IntraLogix LRB-100 supports the shift by focusing on a homogenous design that addresses the common failure modes associated with non-homogenous belts.

COMMON APPLICATIONS

- Distribution conveyors
- Automated warehouse systems
- Parcel handling systems

INSTALLATION AND CONSTANT USE: RELIABILITY THROUGH INNOVATIVE BELT CONSTRUCTION



GATES PRODUCT INFORMATION		
Gates belt part number	CB00443047	IntraLogix LRB-100 (ARP Live Roller Belt)
WELD, CUTTING AND BELT INFORMATION		
	FLEXCO P/N	DESCRIPTION
Recommended machine/welder	112580	Flexco Aero 325 Press
Required silicone weld template	132090	Flexco LRB-100 Template
Recommended machine/cutter	09720	Flexco Pun M NDX Punch
Recommended cutting blade/accessory	09665	Flexco NDX 114 Rpl. Parts & Blade Kit
Recommended clamp set/accessory	109641	Flexco LRB-100 NDX Clamp Bars
FLEXCO AERO 325 PRESS WELDING PARAMETERS/PROGRAM SETTINGS		
Pressure	2.0 bars	
Temperature	352°F (178°C) top and bottom	
Cool down temperature	158°F (70°C)	
Dwell time	4 min.	

REPLACEMENT COMPARISON		
PERF. AREA	GATES INTRALOGIX LRB-100	COMPETITOR ARP BELTS
V-guide const.	Integrated v-guide and belt body	Bonded or applied v-guide
Delamination risk	Eliminated	Common failure mode
Tracking reliability	Consistent belt tracking	Degrades as guide delaminates
Weld integrity	TPU body is fused at the molecular level for greater weld integrity	Fabric limits weld adhesion
V-guide movement at weld	Notched V-guide locks belt in place when welding	Can move during welding causing unreliable results
Maintenance requirements	Low-stretch design increases durability and reduces retensioning	More frequent inspections and replacements
Service life	Extended through homogeneous construction	Reduced by v-guide separation and weld failures