



DRIVEN BY POSSIBILITY™

INTRALOGIX™ CONVEYANCE BELT SOLUTIONS

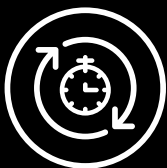
ONE FAMILY. A BELT FOR EVERY SYSTEM.

The Gates IntraLogix family delivers precision-engineered belts for high-performance, automated intralogistics warehouses. Rather than forcing a single belt to serve every conveyor, each IntraLogix belt is engineered for a specific system and matched to that system's individual application requirements.

Every member of the family shares the Gates reliability, innovation, and material science foundation that our customers have come to expect. Together, they form a unified belting portfolio backed by in-region, for-region manufacturing and Gates application engineering support so warehouses can spec the exact belt they need, with confidence.

**PURPOSE-BUILT
BELT SOLUTIONS FOR
HIGH-PERFORMANCE
INTRALOGISTICS
SYSTEMS.**

WHY GATES FOR INTRALOGISTICS?



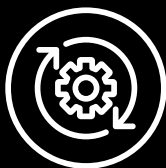
DURABLE

Wear and fatigue-resistant while remaining flexible for longer life



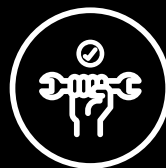
CLEAN & QUIET

Durable, abrasion-resistant materials lead to less dust during use



RELIABLE TRACKING

Engineered to maintain proper tension and alignment, and resist elongation over time



CONSISTENT INSTALLATION

Proprietary designs for more precise and durable field welding



PURPOSE-BUILT

Belts designed for each unique system requirements

GATES INTRALOGIX LRB-100



THE NEXT GENERATION OF ARP BELTING THAT ELIMINATES DELAMINATION

Gates IntraLogix LRB-100 sets a new standard for Accumulating Roller Pneumatic (ARP) applications in Vanderlande .M conveyor systems. By replacing traditional flat PVC and fabric belts that rely on applied v-guides, the LRB-100 introduces a **fully homogeneous design that eliminates the possibility of delamination**, a common industry failure mode. The result is longer belt life, more consistent tracking, and a lower total cost of ownership.

GATES INTRALOGIX LRB-100 SPECS

System	VANDERLANDE .M ARP (ACCUMULATING ROLLER PNEUMATIC) CONVEYANCE SYSTEMS	
Standard width	3.94"	100 mm
Overall thickness	0.36"	9.1 mm
Web thickness	0.12"	3.1 mm
Minimum pulley diameter	2.36"	60 mm
Roll length	328"	100 m
Recommended belt pre-tension	73 lbf	325 N
Specific belt weight	0.286 lb/ft	0.425 kg/m
Operating temperature	+23°F to +158°F	+5°C to +70°C
Polyurethane hardness	87 ShA	
Cord	Aramid	
Standard color	Clear	
Splice	Interleaved finger, heat welded	
Recommended finger size	0.46" W x 4.49" L	11.75 mm W x 114 mm L

PERFORMANCE HIGHLIGHTS*

- **Engineered for performance:** Lasts more than 5x the lifespan of competitor ARP belts
- **Weld strength:** Approximately 24% stronger than competitor ARP belts
- **Elongation:** Approximately 75% less stretch than competitor ARP belts
- **Reduced system stress:** Requires approximately 73% less belt tension, easing load on bearings, rollers, and conveyor components
- **TCO:** Enhanced durability and longer life equal lower total cost of ownership

*Performance figures based on Gates testing; on average, compared to equivalent competitor ARP belts. Testing ongoing.



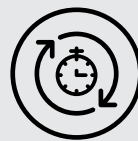
HOMOGENEOUS CONSTRUCTION

LRB-100's V-guide is an integral part of the belt construction, creating a homogeneous structure that makes delamination impossible.



RELIABLE INSTALLATION

A notched, self-aligning v-guide locks into the weld template and stays in place, producing consistent field welds amongst varied installer experience.



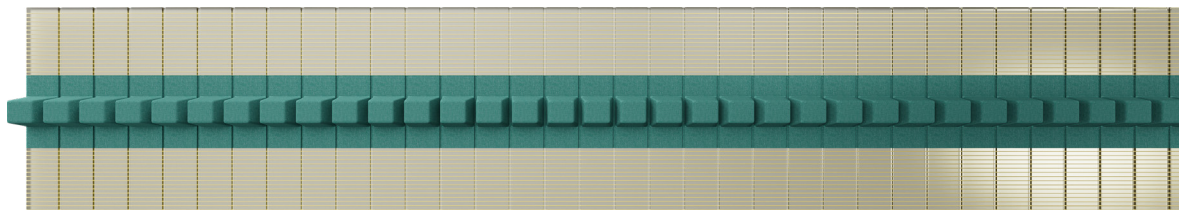
SUPERIOR DURABILITY

Clear TPU body with a self-tracking green nylon v-guide cover delivers extra abrasion resistance, low dust, and a high coefficient of friction for proper drive force.

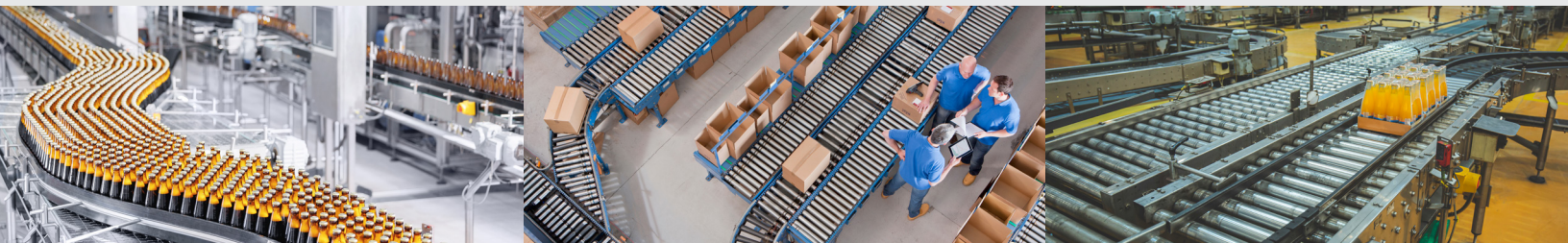


CLEAN, SAFE RUNNING

Enclosed edges eliminate fraying and "bird-nesting," while horizontal flight lines ensure proper cord spacing for enhanced self-tracking.



GATES INTRALOGIX LRB-77



TIME-TESTED, OEM-SPEC LIVE ROLLER BELT

Gates IntraLogix LRB-77 is a field-proven live roller drive belt engineered for Intelligrated IntelliQ™ high-speed, zero-pressure accumulation conveyors. Designed in collaboration with Intelligrated and refined over more than a decade of reliable service, the LRB-77 is available from Gates for maintenance and replacement needs. Its integrated v-guide is engineered specifically for Intelligrated pressure-roller grooves, ensuring accurate fit and proper belt tracking on demanding high-speed drives.

GATES INTRALOGIX LRB-77 SPECS		
System	INTELLIGRATED INTELLIQ CONVEYANCE SYSTEMS	
Standard width	3.00"	76.2 mm
Overall thickness	0.41"	10.4 mm
Web thickness	0.15"	3.9 mm
Minimum pulley diameter	3.00"	76.2 mm
Roll length	500 ft	152 m
Allowable belt tension	810 lbf	3,600 N
Specific belt weight	0.269 lb/ft	0.400 kg/m
Operating temperature	+23°F to +158°F	+5°C to +70°C
Polyurethane hardness	87 ShA	
Cord	Aramid	
Standard color	Clear	
Splice	Interleaved finger, heat welded	
Recommended finger size	0.46" W x 4.49" L	11.75 mm W x 114 mm L

PERFORMANCE HIGHLIGHTS*

- **Engineered for performance:** Proven on high-speed, zero-pressure accumulation conveyors for nearly a decade
- **Precision tracking:** V-guide geometry engineered to the OEM pressure roller groove for accurate fit and proper belt tracking
- **Drive force:** Abrasion-resistant polyurethane delivers consistent drive force to carrier rollers with clean, debris-free running
- **Tension stability:** Aramid tensile members support 810 lbf (3,600 N) allowable belt tension for long life in start-stop duty
- **TCO:** Proven durability and OEM-spec fit equal fewer replacements and lower total cost of ownership

*Performance based on Gates published specifications and OEM-collaborative design. Belt engineered to original equipment manufacturer specifications.



OEM-MATCHED FIT

V-guide geometry is designed for the OEM's pressure rollers, ensuring accurate fit and proper tracking.



PROVEN RELIABILITY

Over a decade of proven performance on high-speed roller drives.



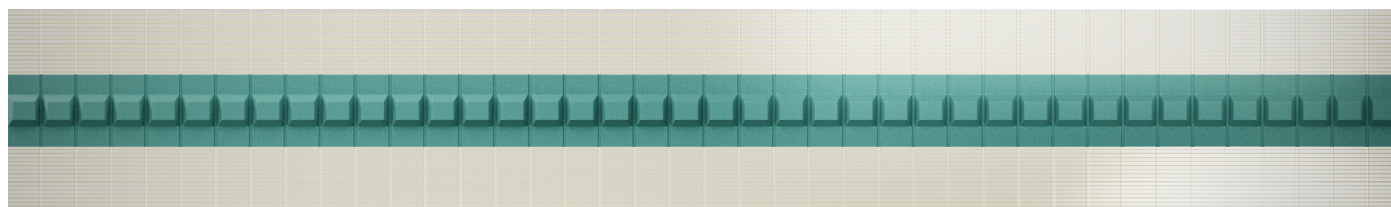
DURABLE DRIVE FORCE

Abrasion-resistant polyurethane provides proper drive force to carrier rollers along with long belt life.

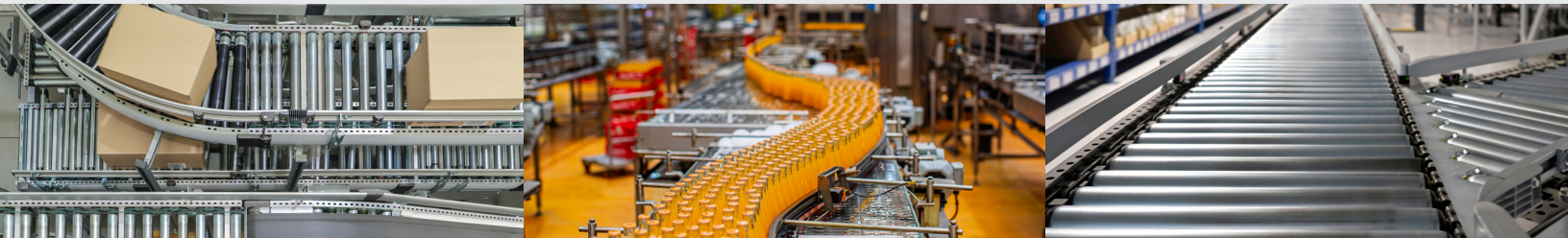


STRONG REINFORCEMENT

Aramid tensile members maintain proper tension and extend belt life.



GATES INTRALOGIX LRB-45



THE FLAT, HIGH-GRIP, HIGH TORSIONAL STIFFNESS BELT

Gates IntraLogix LRB-45 is an open-ended flat belt engineered for Dematic high-speed, high-performance automated warehouse systems. With a high-grip knurled top surface driving the live rollers and a low-friction antistatic fabric on the bottom, the LRB-45 improves both safety and reliability. Aramid reinforcement ensures low stretch and a longer service life for warehouse and distribution conveyors.

GATES INTRALOGIX LRB-45 SPECS		
System	DEMATIC CONVEYANCE SYSTEMS	
Standard width	1.77"	45 mm
Standard thickness	0.18"	4.6 mm
Minimum pulley diameter	3.94"	100 mm
Roll length	500 ft (up to 656 ft)	152 m (up to 200 m)
Allowable belt tension	1,000 lbf	4,450 N
Specific belt weight	0.161 lb/ft	0.240 kg/m
Ultimate tensile strength	4,232 lbf/in	740 N/mm
Operating temperature	-13°F to 175°F	-25°C to +80°C
Polyurethane hardness	92 ShA	
Cord	Aramid	
Standard color	Black	
Splice	Interleaved finger, heat welded	
Recommended finger size	0.39" W x 7.87" L	10 mm W x 200 mm L
Top surface	Knurled polyurethane	
Bottom surface	Antistatic fabric	

PERFORMANCE HIGHLIGHTS*

- **Engineered for performance:** High-friction knurled diamond top surface maximizes grip and minimizes slip on live rollers
- **Tensile strength:** 7,490 lbf (33,300 N) ultimate tensile strength for demanding, high-speed warehouse duty
- **Elongation:** Aramid cord construction delivers lower stretch and longer life than competitor belts
- **Static control:** Low-friction antistatic fabric backing prevents static buildup for safer, cleaner operation
- **TCO:** Extended service life and fewer replacements equal lower total cost of ownership

*Performance based on Gates published specifications for high-speed automated warehouse systems.



HIGH-GRIP TOP

A knurled diamond pattern on the top surface ensures high grip and less slip on the rollers.



ANTISTATIC BOTTOM

Low-friction antistatic fabric on the bottom prevents static buildup for safer, more reliable operation.



HIGH TENSILE PERFORMANCE

Aramid cord design delivers lower stretch and longer life compared to competitor belts.



FLEXIBLE FIT

Open-ended flat design, spliceable with OEM equipment, for flat-drive warehouse systems.

INTRALOGIX FAMILY AT A GLANCE

Use the comparison chart below to match the right IntraLogix belt for your application. When in doubt, Gates application engineers can help confirm the correct belt for your conveyor.

INTRALOGIX BELT SOLUTIONS FAMILY			
	LRB-100	LRB-77	LRB-45
Target conveyer platform	Vanderlande .M ARP conveyance systems	Intelligrated IntelliQ conveyance systems	Dematic conveyance systems
Primary application	Accumulating Roller Pneumatic (ARP) live roller conveyers	High-speed zero-pressure accumulating live roller conveyers	High-speed automated warehouse / distribution live roller conveyance systems
Standard width	100 mm (3.94")	76.2 mm (3.00")	45 mm (1.77")
Top surface	Clear TPU drive surface	Clear TPU drive surface	Black knurled TPU high-grip surface
Bottom surface	Integrated, notched v-guide with green nylon cover	Integrated, notched v-guide with green nylon cover	Anti-static fabric
Cord	Aramid	Aramid	Aramid
V-guide	Integrated, notched, nylon-protected	Integrated, notched, nylon-protected	None, flat
Recommended when	Vanderlande systems require reduced guide failure risk, improved weld consistency, and longer belt life for reduced TCO	Intelligrated systems require a proven OEM belt with improved performance, longer belt life, and reduced TCO	Dematic systems require a proven belt with improved performance, longer belt life, and reduced TCO



READY TO SPEC YOUR NEXT INTRALOGIX BELT?

Contact your Gates representative or the TPU Product Application Engineering team to confirm fit and availability for your live roller conveyor system.

Scan the QR code to find more Gates TPU Solutions.