



PRODUCT SHEET – TURF DRIVE Belt (eXtra Version)

Movendis – Dry Cover Belt • Aeronautical Cord • Lawn & Garden



1. General Presentation

The TURF DRIVE eXtra belt is a premium solution designed for ride-on mowers, zero-turn mowers, and professional lawn & garden maintenance equipment.

Thanks to its new-generation aramid cord — aeronautical grade — its double-layer Dry Cover fabric, and its narrow, highly flexible profile, it delivers **unmatched** power transmission, one of the **highest tensile strengths ever measured in lawn & garden applications**, and an exceptional service life **rarely achieved in this category**.

Designed for intensive use, it guarantees outstanding stability and reliability even in the most demanding environments.

2. Technical Specifications

- Cord: 100% aeronautical-grade aramid – very high strength, minimal elongation.
- Fabric: Double-layer Dry Cover – optimized grip during clutch engagement.
- Profiles : 3LK, 4LK, 5LK.
- Lengths: 13” to 200” (330 to 5080 mm).
- Operating temperature: -30 °C to +80 °C.
- Resistance: Heat, oil, dust, vibrations (RMA standards).
- Design: Slim profile + low cord position → excellent flexibility on small pulleys.

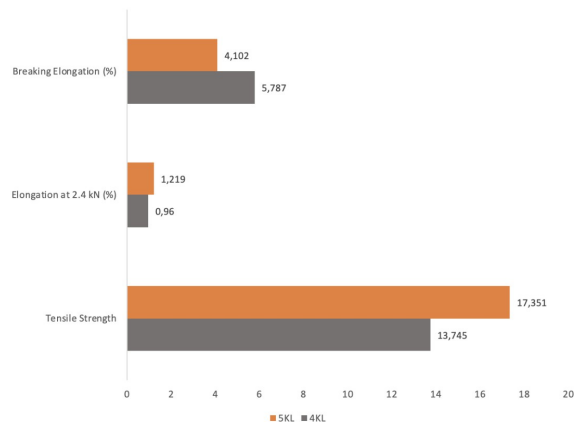
3. Mechanical Performance –eXtra Version

- Tensile strength: up to 17 kN (5LK profile).
- Optimized for high-power engines and intensive duty cycles.
- High dimensional stability: extremely low elongation.
- Enhanced durability in harsh environments (heat, dust, continuous load).





Performance Overview :

Metric	4LK Value	5LK Value
Tensile Strength (N)	13,745	17,351
Elongation at 2.4 kN (%)	0,960	1,219
Breaking Elongation (%)	5,787	4,102

- ✓ +160% tensile strength vs Aramid
- ✓ +34–45% tensile strength vs Kevlar®
- ✓ +27% better elongation control vs Kevlar®
- ✓ Batch-to-batch consistency for OEM dependability



4. Quick Comparison (Optibelt vs TURF DRIVE eXtra)

MOVENDIS				
Static test reports				
Date: 17/06/2025	Optibelt		Movendis	
Belt #	Green Garden	Green Garden	Turf Drive eXtra	Turf Drive eXtra
Model Code	LG2001504	LG2000998	4LK1000	5LK905
Belt Type	4LK	4LK	4LK	5LK
Picture				
Tensile Strength (KN)	9,08	10,06	13,75	17,35
Adhesion between fabric and top rubber (KNm)	28,6	/	32,20	33,20



Criteria	Standard Garden Belt (Optibelt , Bando)	TURF DRIVE eXtra (Movendis)
Power transmission	Low	Very high
Elongation	High	Ultra-low
Flexibility	Limited	Optimal
Thermal/oil resistance	Average	Excellent
Service life	Short	2 à 4× longer
Intensive use	Not suitable	Perfectly suited

5. Recommended Applications

- Professional lawn & garden maintenance machines.
- Zero-turn and ride-on mowers.
- Dusty or high-load environments.
- Repeated start / clutch engagement cycles.
- Premium replacement solution for demanding users.

6. Visual Summary

- Aeronautical aramid cord: power, stability, long service life.
- Dry Cover fabric: smooth and reliable clutch engagement.
- Slim profile: maximum flexibility.
- eXtra level: OEM+ performance.

Conclusion

The TURF DRIVE Belt – eXtra version represents the highest level of lawn & garden belt technology: power, durability, and reliability.

It is perfectly suited for professionals looking for a robust, high-performance belt designed for demanding operating conditions.