

LAWN & GARDEN BELTS



THE LATEST FENNER LAWN & GARDEN BELT HAS ARRIVED



A High-Load, Impact-Resistant belt with Reverse wrapping, designed for back idle drives, and Aramid Cords for superior strength to extend belt life. Improving overall belt length stability under tough operating conditions.

Features

- Superior Fatigue Resistance
- Reduced Belt Elongation
- Back-Pressure Clutch Adaptability
- Wide Temperature Range
- Global Standards Compliance
- Compatibility with Back Tensioner Pulleys and Automatic Tensioners

Sections and Size Range

Section	Li Length Range (inch)
AK	26" - 162"
BK	26" - 180"

Material & Construction

The Fenner Lawn & Garden Belt utilises high-performance aramid cords, resulting in a 60% increase in tensile strength. This enhancement improves belt length stability under high-load and high-impact operating conditions.

Featuring reverse wrapping, the belt's bending durability is significantly enhanced, extending its service life. Designed for multi-pulley systems and large-angle reverse drive configurations, the new Fenner Lawn & Garden Belt is widely used in high-end gardening machinery, including professional lawn mowers and landscaping equipment.



Static Value Comparison between FENNER and COMPETITOR BRAND

Inspection Items	FENNER - BK			COMPETITOR - BK		
	Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
Top Width (mm)	16.4	16.1	16.6	16.4	16.2	16.6
Belt Thickness (mm)	11.2	11.0	11.1	11.6	11.6	11.6
Tension cord position (mm) (cord center to back)	Approx. 3.7			Approx. 3.0		
Layers of Fabric	2			2		
Fibre Reinforced or NOT	YES			NO		
Cross Section Image						
Cord Material	ARAMID			ARAMID		
Tensile Strength (Kn)	11.4			9.5		

Conclusion

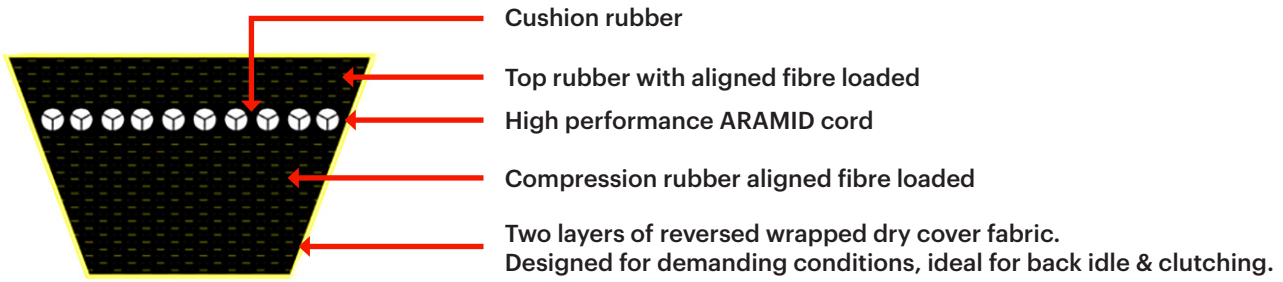
1. The breaking force of Fenner belts is 20% higher than that of the competitor brand.
2. Core rubber reinforced with fibre is more suitable for shock load applications than core rubber without fibre.
3. High-performance Aramid cords are positioned lower than in standard belt designs to improve back-bend flexibility and extend belt life.

Advantages

- **Superior Fatigue Resistance:** The advanced reverse wrapping ensures excellent performance under multi-pulley reverse tensioner conditions.
- **Reduced Belt Elongation:** High-performance aramid cord significantly reduces belt stretch.
- **Compatibility:** Designed for use with back-tensioner pulleys and automatic tensioners.
- **Back-Pressure Clutch Adaptability:** Ideal for systems requiring back-pressure clutch engagement.
- **Wide Temperature Range:** Operates reliably in conditions from -30°C to +80°C.
 - Compliance with Global Standards:
 - ISO 4184 (International Standard)
 - BS 3790 (British Standard)
 - IP-20 (U.S. Standard)
 - RMA IP-3-2 oil and heat-resistant standard
 - REACH and RoHS



Material & Construction



Section and Size Range

The new Fenner Lawn & Garden Belt is available in A and B sections and ranges from 26" up to 180" in length. (Li internal length)

Part Numbering Example

BK50FEN
 B = Belt Section
 K = Aramid (Kevlar®) Cords
 50 = 50" inside circumference in Inches
 FEN = New Fenner Lawn & Garden Belt

Section Profile		
Section	AK	BK
Li Length Range (inch)	26" ~ 162"	26" ~ 180"



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