



#### pre stressed fences

High-Tension Durability & Security for Perimeter Protection

#### Key Features

**High-Tension Resistance:** Reinforced with high-tensile prestressed steel wires to prevent sagging, snapping, or deformation under impact.

**Weatherproof Longevity:** Engineered to withstand harsh coastal environments (like Kilifi) without rotting, rusting, or warping.

**Rapid Installation:** Pre-slotted posts and lightweight gravel boards allow for a "slot-and-lock" assembly system.

**Sleek Aesthetics:** Available in smooth grey finishes or textured patterns that mimic wood or stone for premium estate security.

**Maintenance Free:** Unlike timber or chain-link, these fences require zero painting or chemical treatments over their 50-year lifespan.

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## Technical Specifications

Parameter	Details
Post Dimensions	100mm x 100mm (standard)
Gravel Board Size	150mm (H) x 50mm (T) x 1800mm(L)
Height Range	1.2m up to 3.0m (customizable)
Concrete Grade	\$C35/45\$ High-Density Concrete
Reinforcement	2-4 High-tensile low-relaxation steel wires
Surface Finish	Smooth off-form or Rock-face pattern
Wind Resistance	Rated for high-velocity coastal wind loads

#### Benefits

**Unbeatable Security:** High-strength concrete core makes it nearly impossible to cut or breach compared to wire fencing.

**Cost Efficiency:** While the initial cost is higher than timber, the zero-maintenance requirement makes it the cheapest long-term solution.

**Fireproof:** Acts as a non-combustible fire break for properties near dry brush or industrial zones.

**Pest Resistant:** Completely immune to termites, wood-boring insects, and fungal decay.

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## Applications

**Residential Boundaries:** Premium perimeter walling for private homes and estates.

**Agricultural Enclosures:** Heavy-duty livestock fencing that resists animal pressure.

**Industrial Sites:** Secure, durable boundaries for warehouses and energy plants.

**Infrastructural Borders:** Protection for railways, highways, and water treatment facilities.

#### Why Choose WEB Housing Pre-stressed Beams?

**Coastal Ready:** Our concrete mix is specifically designed to resist salt-air corrosion common in the Kilifi region.

**Precision Casting:** Every post and board is identical, ensuring a perfectly straight and professional fence line.

**Eco-Friendly:** A sustainable alternative to deforestation caused by timber fencing.

