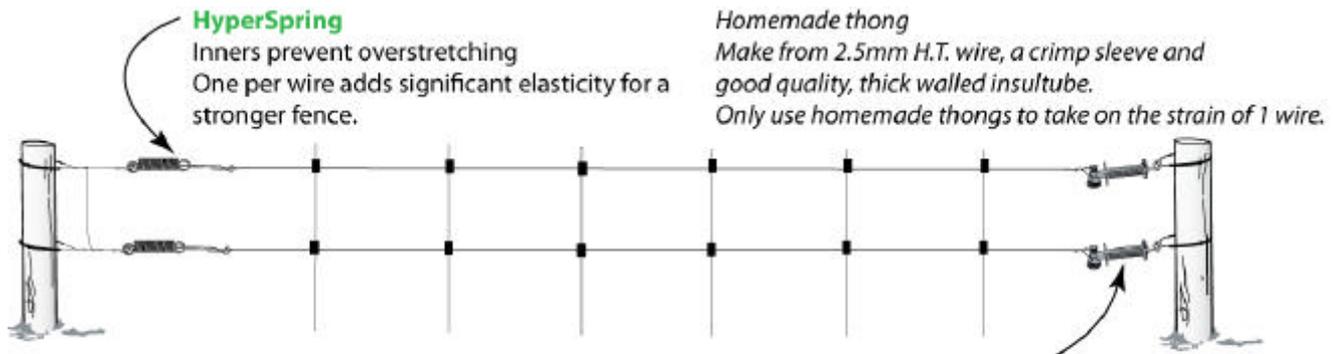


## INFORMATION SHEET

### Permanent Fencing - Brief Overview

### Kiwitech High-Tensile Electric Fence Design ("Spider Fence")



Always the last component to install, the HyperSpring is essential for each strand of wire in the fence line in order to construct a truly tough permanent fence when using lighter gauges of high tensile wire (1.25-2.0mm).

Under challenge (e.g. fighting stock, marauding kangaroos, centre pivot irrigators adapted to cross wires), a fence with a HyperSpring in each high-tensile wire can stretch with the challenger who will eventually pull back or pass over after receiving a couple of discouraging shocks. When the challenge is over, the fence line returns to its normal state, undamaged. The special HyperSpring assembly prevents damage to the spring from "over-stretching".



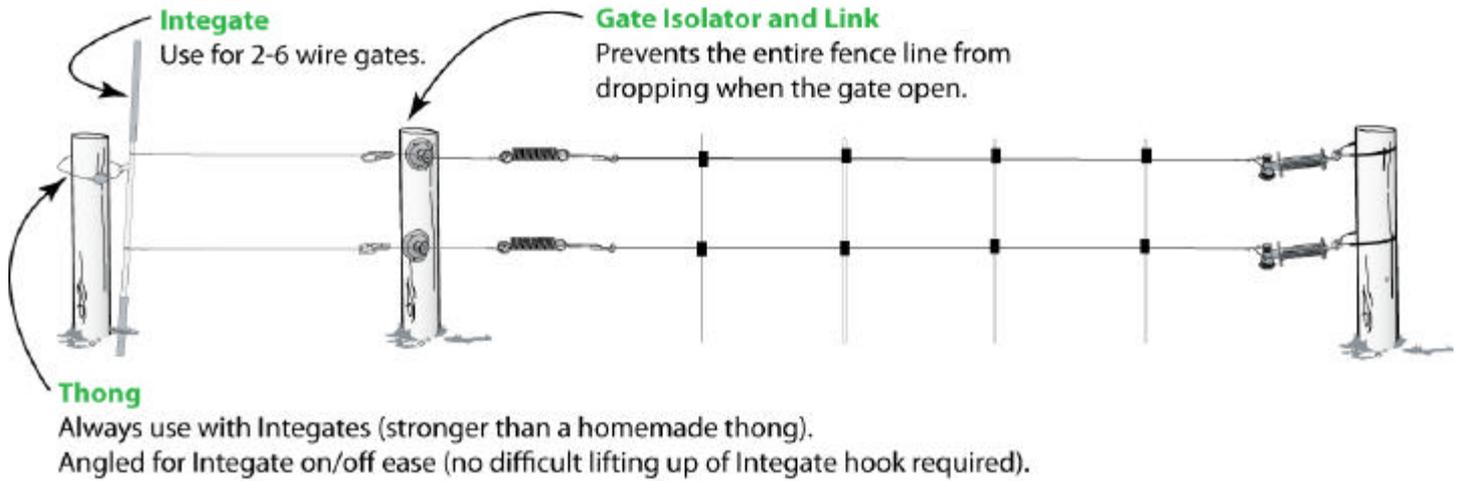
The elasticity given to a Spider fence (with the use of HyperSprings and flexible Fibreglass Posts), can save a lot of money spent on gates. Kiwitech permanent fences can be pinned down or propped up with ease allowing the freedom to shift stock and/or vehicles over or under the wires **anywhere** along the fence line.

If using Kiwitech's temporary fencing system, choose an Anchor Post to pin down the fence - the long steel pin gives greater hold (the short pin of a standard Tread-in, in most cases will not hold and can be very unsafe for the fencer).

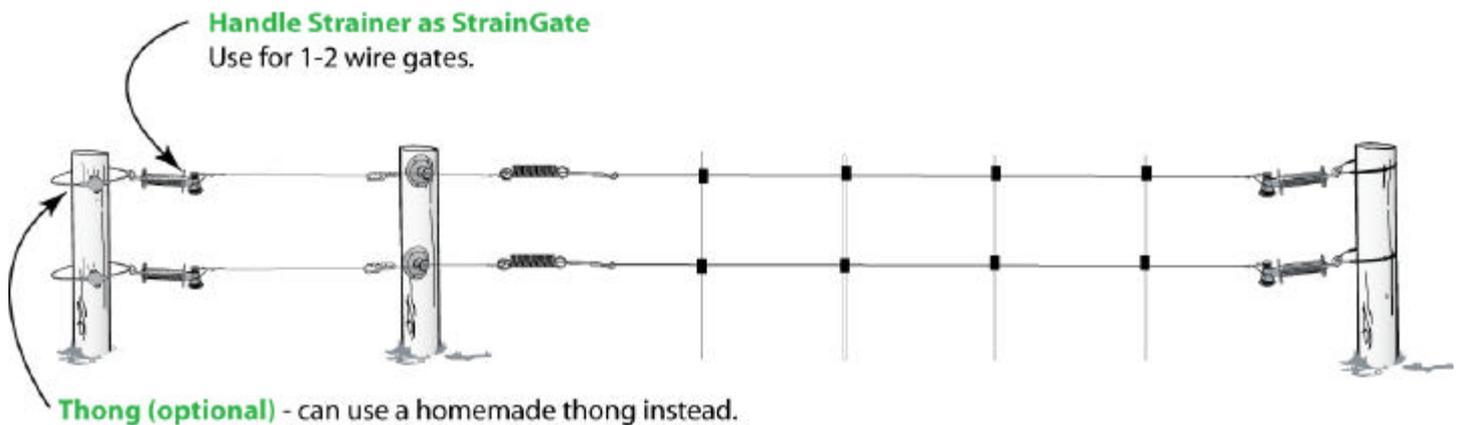
Always push the fence out before pinning down. This reduces the uplift and improves the grip in the soil because the soil directly under the fence can become quite soft and loose.



## Kiwitech High-Tensile Electric Fence Design (“Spider Fence”) - With Gate Set-up



OR



Handle Strainers or an Integate can be used in a gate set-up. All that is required is an Isolator with Link (for each fence wire) and an extra wooden strainer post. Kiwitech gates are nearly always “integrated” into existing fence lines saving on gate material costs. If using metal piping for strainer posts use good quality tek screws to fasten Thongs and Isolators.

Any reasonable gate width is possible, e.g. a 30m x 3 wire gate would be a little hard to manage as the wires would likely tangle when the gate is open. If intending to drive over gate wires with a quad, the wooden posts should be spaced at least 6m apart (unless additional springs are used).

Once hooked on, “StrainGates” take the strain of the fence. When unhooked, the Isolator and Link arrangement take the strain, keeping the remainder of the fence line under tension and upright.



Zoom of circled feature (adjacent photo). The Isolator and Link set-up take on the fence strain when the gate is opened.

## Handle Strainer, Integate and Thong Attributes



### Handle Strainer or "StrainGate"

Made of solid plastic, the Handle Strainer is a very handy tension device for Kiwitech high-tensile wire fences. It also makes for a very tough StrainGate. Handle Strainer attributes:

- The fence wire can be slackened or tensioned by unwinding/winding spare wire on the big storage drum.
- Unhooking the Handle Strainer will allow the entire fence wire to slacken. This is very handy when faced with fixing a break.
- The storage drum can hold 1-2m of spare wire (<2.5mm) allowing for the easy addition of extra wire length when repairing knots (no need to splice in extra wire).
- Handle Strainers can hook onto homemade thongs made from 2.5mm wire, high quality insulube and a crimp.

### Integate

An Integate consists of galvanised steel Pole and a plastic Scabbard.

- You can tie onto the Pole as many as 6 high-tensile wires (1.25-2.5mm).
- By taking at least 6 turns around the pole and using a lazy twist knot a full-strength connection is made.
- The pole's shank acts as a drum for spare wire, so, 12 turns are better than 6.
- The Integate Pole top and bottom spike are well insulated.
- When open, "spike" the Integate pole into the ground to keep it upright.

### Thongs

Thongs are angled from the horizontal for ease of Integate hook engagement/disengagement. The Integate Pole pin (once fully inserted in the scabbard) is used to lever the hook towards the strainer, then sideways into the Thong.

- Thongs come in 3 sizes to suit strainer diameter.
- Made from over-moulded 3mm galvanised wire. Thongs will not pull apart.

### Integate Application

- Primary purpose is for gate use where 2-6 high-tensile wires are required.

### Gate Handle Strainer Application

- Tension Device for permanent light-wire fences (storage drum holds approximately 1-2m of spare wire)

- Conductor (for maximum wire diameter of 2.5mm)

### Homemade Thong

- Insulator (for light wire less than 2.5mm diameter)

- Tape or Wire Gate

