

# Irrigator Fence Crossing System

Allows your pivot irrigator to pass safely over your fence

NZ Patent 593651

**New**  
Wire Anchor  
Clips



# Ensure your pivot irrigator passes safely over your fence

- Extend the life of your electric fence
- Open up your grazing management options
- Stop the fence wires being picked up and dragged by the irrigator
- Easy, low labour install, no crimping required



# Irrigator Fence Crossing Design

## END STRAIN SPRING ASSEMBLY

For end of fence installation - allows the fence to stretch during irrigator crossing.

### Pivot Spring pre-fitted with High Strain Insulator and Wire Strainer G72700

- Large, galvanised wire diameter & coil enables exceptional stretch
- 2.5mm pre-galv wire overstretch limiter protects spring. If limiter is tight, more spring bays are required.
- One convenient assembly.

## EXISTING FENCE INSULATION

Secure wire attachment to post

### Pinlock Insulator (25 PK) G68704

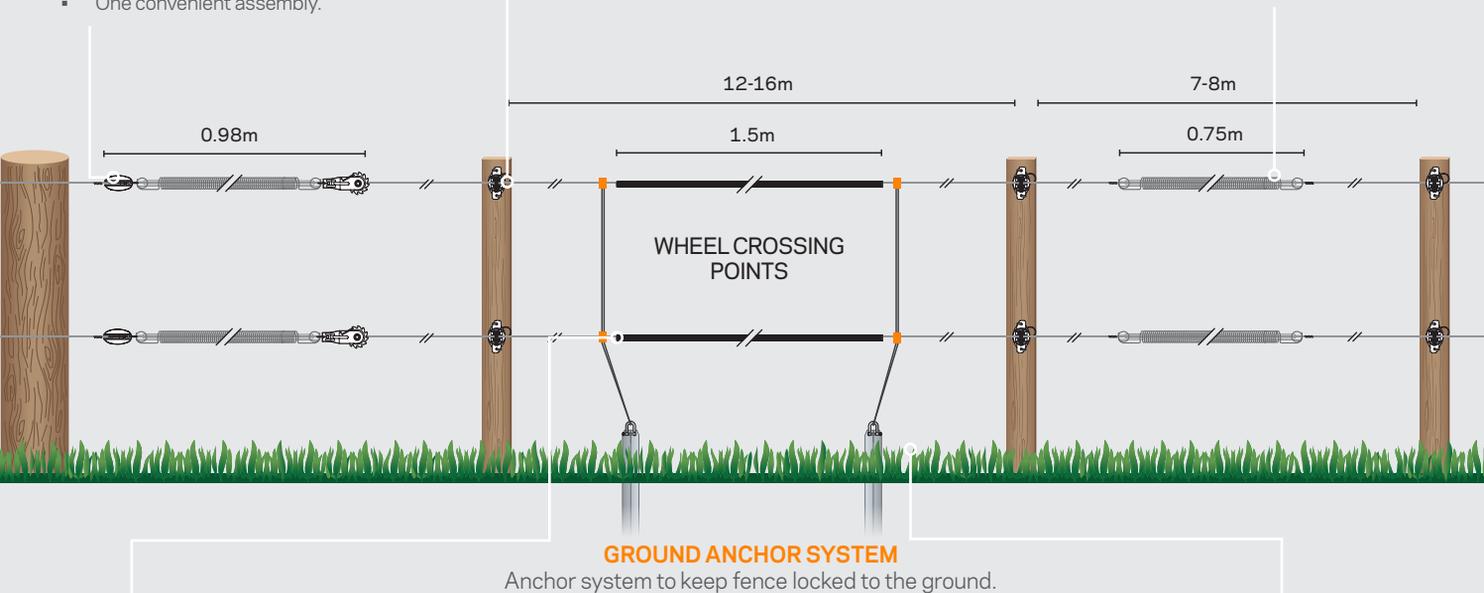
- Extra strong jaws enable the wire to slide through the insulator.

## DEDICATED SPRING BAYS

Allows the fence to stretch and maintain tension during irrigator crossing.

### Double Loop Pivot Spring G72600

- Large, galvanised wire diameter & coil enables exceptional stretch
- 2.5mm braided wire overstretch limiter protects spring and shows fence stretch tolerance - if the wire is tight more spring bays are required.



## Pivot Pipe

(10 PK) G72900

- No crimping required - straightened and pre-drilled for convenient install.

## System 1

Simple clip system for easy install of anchor rope (as shown in diagram). Gallagher recommend placement 150mm in from end of pipe to keep pipe centered on wheel.

New

## Anchor Rope & D Shackle

(10 PK) G74103 2.5m

- High quality UV resistant braided rope
- Galvanised D Shackle prevents rope from fraying.

## Wire Anchor Clip (Patent pending)

(20 PK) G74033

## System 2

For direct threading through and tying wires in Pivot Pipes to the ground.

## Anchor Rope & D Shackle

(10 PK) G72803 1.5m

- High quality UV resistant braided rope
- Cable tie to keep top knot intact
- Galvanised D Shackle prevents rope from fraying.

## Anchor Post

(10 PK) G73000

- Pre-drilled, 0.5m heavy galvanised Y post for solid ground attachment.

## Spring Bay Installation

Springs should be installed in a dedicated spring bay every second wheel tower. Where multiple irrigator wheels cross the fence simultaneously, more spring bays may be required if the overstretch limiter wire is tight when the irrigator is over the fence.

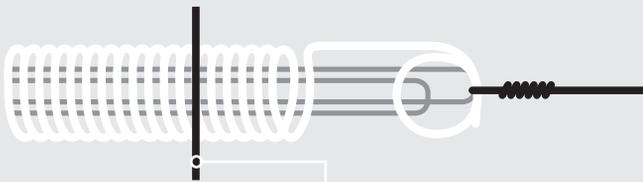
Spring bays should be 7-8m wide and have a line post fitted with Pinlock Insulators at each end.

The double loop spring is to be used in the mid-section of the spring bay. Ensure that the spring restrictor wire is inside the spring and tie the fence wire to the spring end loop as shown below.



CORRECT POSITION FOR OVERSTRETCH LIMITER WIRES

The optimum maximum pre-tension in the fence wires (when the irrigator is clear of the fence) is achieved (when a piece of 2.5mm high tensile wire can be tightly wedged between the wires in the body of the spring, as shown below).



2.5MM WIRE MAXIMUM TENSIONING

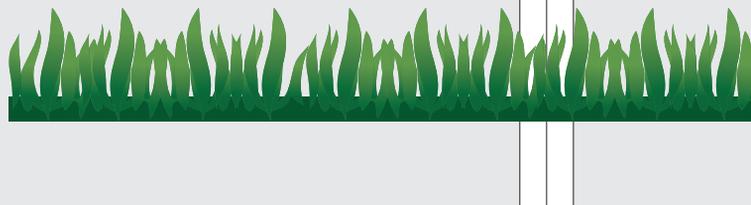
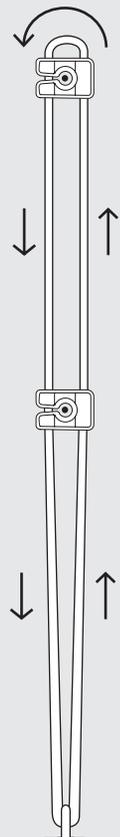
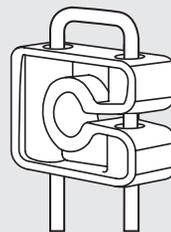
## Anchor Post Installation

To determine the correct position for the Anchor Posts and Pivot Pipe, lay the centre of the pipe in the middle of the wheel track so that there is an equal amount of the pipe each side of the wheel and position the anchor posts just outside of each pipe. This will be where the Anchor Ropes are installed.

## Pivot Pipe Installation

A pivot pipe should be included on all wires of the fence at the irrigator crossing point to ensure maximum protection.

Thread the rope up one side of the Wire Anchor clips, over the top clip and back down the opposite side. At the bottom, tie a knot and place the D through the rope loop and assemble shackle to the Anchor Post's pre-drilled hole.



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**This irrigator fence crossing system is  
manufactured under NZ patent 593651**

