Animal Management

Mains, Battery and Solar Energizers
Portable and Permanent Electric Fencing Systems
Wireless Water Level Monitoring
Electronic Heat Detection
An investment in electric fencing is an investment in more profitable farming. It’s true that electric fencing takes less time, effort and cost than traditional fencing but it brings most benefit as a powerful pasture management tool. It gives farmers precise control over feed to allow allocation of pasture and other forages through permanent and temporary sub divisions.

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We’re good listeners

Decades of field expertise and listening to farmers from around the world, means Gallagher understands their unique needs and are committed to creating solutions that open up new opportunities for better farming.

Farm fit guaranteed

All Gallagher products have to overcome the challenges of everyday farming before they even leave the factory. This Energizer is undergoing one of a number of rigorous environmental stress tests, to check it can handle the toughest conditions.
Farming may be the ‘good life’ but it’s certainly not easy...

Being a farmer himself, Bill Gallagher Snr understood the challenges of farming and wanted to make it simpler, and by inventing NZ’s first electric fence in the 30’s, did just that. 80 years on, we’re in it for the long haul - still getting stuck in alongside farmers to make the hard job of farming easier.

You can do it the hard way... or the Gallagher way

Brilliantly simple solutions that make farm life easier and more profitable – it’s what Gallagher does best.
Electric Fence systems

An investment in electric fencing is an investment in more profitable farming. It's true that electric fencing takes less time, effort and cost than traditional fencing but it brings most benefit as a powerful pasture management tool. It gives farmers precise control over feed to allow allocation of pasture and other forages through permanent and temporary sub divisions.

**Why use electric fencing?**

Electric fencing can be used in many different applications: new, purpose built fences for containment or exclusion of large animals; retro fitting an old fence to extend its life or to protect a new conventional fence; feral animal exclusion and temporary fencing for pasture management and animal control.

**How Electric Fencing works**

A short, safe and memorable shock to create a psychological, as well as a physical, barrier. Every electric fence system is made up of a power source and a fencing system. Selection of these systems depends on farm size, fencing usage and animal type.

The following pages will guide you through the selection process.

1. Energizer (power) is connected to the fence and the ground (earth)
2. Power is sent along the fence in pulses
3. Animal receives a memorable shock when it touches the fence

**Electric Fence product range**

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Durable

Stock pressure on your fence is reduced so it lasts longer.

Profitable

Maximise pasture growth, minimise feed costs.

Safe

Animals remember and develop a respect for the fence.

Easy to install and economical

Less than half the time to build vs a non-electric fence and costs less to build and maintain than a non-electric fence.
Energizers

The Fence Energizer delivers power to your fence and when chosen and installed correctly it will control animals over long fence distances. Gallagher have a full range of mains, battery and solar powered Energizers to suit the smallest fence right up to the largest remote fence.

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A Mains Energizer is the best choice where reliable mains power is available. All Gallagher Mains Energizers have in-built lightning protection and are tested under extreme conditions to ensure unbeatable reliability - delivering outstanding performance day in and day out.
# Mains Energizers Selection chart

<table>
<thead>
<tr>
<th>Model</th>
<th>Stored energy* (Joules)</th>
<th>Property size (Ha/Ac)</th>
<th>Single wire distance max length (Km)</th>
<th>Multi-wire distance ideal Aus conditions (Km)</th>
<th>Multi-wire distance typical Aus conditions (Km)</th>
<th>Output energy* (Joules)</th>
<th>Key features</th>
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<td>12.4</td>
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</tr>
</tbody>
</table>

Refer to page 19 for icon references. * Stored energy is the best way to compare Energizers as it’s not affected by shorting or poor earthing.

Note: all Gallagher Mains Energizers can be converted to a solar system using Gallagher recommended 12V inverter, solar panels and battery, providing even more options for remote sites.
The intelligent i Series system – the fence that talks to you.

Gallagher i Series Fence Energizer Systems allow you to quickly and easily monitor your fence performance, informing you of any problems immediately so you can take action to save time and money. Read on to find out how the i Series range can open up the lines of communication between you and your fence.

i Series in action

1. Fence Monitors(s) recognize any significant drop in fence zone or Energizer performance and raise alarms.
2. Alerts are sent to the Energizer Controller, your mobile phone (via optional WiFi Gateway (G56700) and/or optional Alarm System (G57900).
3. The Controller and Remote* indicate which zone is in fault. The Remote is used to find the fault within the zone.

i Series products in detail

Mains Energizer

Energizer Controller

Fence Monitor

Market leading intelligent Energizer system

These reliable and energy efficient Energizers provide incredible fence performance regardless of extreme temperature conditions or unreliable power supply - adjusting power output to suit your fence conditions and minimise power consumption.

- Easy installation and good connection using split bolt recessed terminals
- User safety and reliable animal control with in-built lightning and short circuit protection
- Better fence management with output, earth and fence voltage alarms

Easily monitor and control fence performance

Shows all your fence performance information (eg: voltage, faults and location) in one convenient separate display box that can be placed up to 50m* away from the Energizer itself.

- Displays voltage and current readings at the Energizer and for up to six attached Fence Monitors
- Locate in a convenient spot for instant updates eg: side of the shed
- Locate fault zones quickly and use the Controller to turn the Energizer on/off
- Fully waterproof for indoor or outdoor placement

- Three metre cable provided. Extend up to 50m with an additional RJ12 cable.

Divide your fence into zones

Divide your fence into zones for easy monitoring. Add up to six monitors on your fence system to turn it into a fully monitored set up that keeps the Energizer Controller constantly up to date with fence performance.

- Permanently install on the fenceline and use across the farm to monitor fence voltage and current at up to six different locations (zones)
- Identifies when any zone has a fault and reports back alarms to Energizer and Energizer Controller
- Locate fault zones quickly and use the Remote/Fault Finder to pinpoint the problem

* Requires M10,000i, M5800i, MB2800i, MB1800i or MB1000i.
OF

Power to the fence at the fault location is turned off using the Remote*, allowing a safe and convenient repair.

Once the fault is repaired, power is restored to the fence and tested using the Remote*.

Energizer Remote and Fault Finder

WiFi Gateway and Dashboard Fence

Alarm System

Easily locate and repair faults

The Remote* pinpoints the fault within the monitored zone and enables you to remotely turn off the Energizer prior to repair and on again once complete.

- Shows fence voltages and current
- Shows Alarm status for the Energizer and the Fence Monitors
- One Remote can be used on multiple Energizers or use multiple Remotes on one (or more) Energizers

* Requires M10,000i, M5800i, MB2800i, MB1800i or MB1000i.

Fence performance in your pocket

Get real-time information and alerts from your i Series Energizer on your phone with the Dashboard Fence app.

- View your fence voltage and current readings
- Sends you alarm notifications to your smartphone, if things go astray
- Just connect the i Series WiFi Gateway to your existing i Series Energizer, install the App and subscribe to bring your fence to life
- Requires mains power or inverter, an active internet connection and an active Dashboard Fence subscription
- This product is sold separately

Secure your farm assets

The Alarm System is ideal to use as a security alarm where valuable farm equipment is located.

- Monitor a section of fence and drive a siren (G56902) or alarm panels if the circuit is broken eg: gate opened or a wire cut
- This product is sold separately

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Reliable and adaptive performance even in extreme conditions

- Consistent fence performance regardless of extreme temperature conditions or unreliable power supply
- Peace of mind assured with quick scan LED fence performance lights: green = fence ok, red light flashing = fence fault, and solid red light = increased fence load
- User safety and reliable animal control with built in lightning protection
- Better fence management with output, earth and fence voltage alarms displayed on the Energizer Controller
- Battery and solar power capability when used with an optional inverter
Mains Energizers M5800i

M5800i

- Multi-wire distance ideal conditions: 140km
- Multi-wire distance typical Australian conditions: 35km
- Output energy (Joules): 40
- Dimensions: 430mm (w) × 310mm (h)

Included

- Energizer Remote and Fault Finder with user replaceable battery.
- Fence Monitors placed strategically around the farm provide confident animal control and accelerated fence troubleshooting.
- Energizer Controller allows fence information to be seen in a convenient location away from the Energizer (up to 50m).
- Energy efficient Energizer, adjusts power output to suit your fence conditions. Battery and solar power capability when used with an optional power inverter (SG5102).

Optional accessories

Refer to page 8 for details

Gallagher

Mains Energizers M5800i

58 JOULES STORED ENERGY

240 HECTARES

600 ACRES

3 YEARS

JOULES STORED
ENERGY

Included

Optional accessories

(See page 9 for more detail)
The MB i difference
Farm anywhere with market-leading efficiency and the flexibility of mains, battery or solar. Multi Powered MB i Series Fence Energizers take the intelligent features from the original i Series range and combine them with the choice of mains, battery or solar power options - without the need for an additional inverter.

- Multi-wire distance ideal conditions: 80km
- Multi-wire distance typical Australian conditions: 20km
- Output energy (Joules): 15.5
- Dimensions: 344mm (w) × 223mm (h)

Refer to page 8 for details

Included
Optional accessories
(See page 9 for more detail)

Energizer Remote and Fault Finder with user replaceable battery.

Fence Monitors placed strategically around the farm provide confident animal control and accelerated fence troubleshooting.

Energizer Controller allows fence information to be seen in a convenient location away from the Energizer.

Choose to power with mains, battery or solar without the need for an additional inverter.
**Mains Energizers MB1800i, MB1000i**

**MB1800i**

- **18 Joules stored energy**
- **75 hectares**
- **3 years warranty**
- **Multi-wire distance ideal conditions: 65km**
- **Multi-wire distance typical Aus conditions: 17km**
- **Output energy (Joules): 12.4**
- **Dimensions: 344mm (w) × 223mm (h)**

Refer to page 8 for details

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**MB1000i**

- **10 Joules stored energy**
- **40 hectares**
- **3 years warranty**
- **Multi-wire distance ideal conditions: 45km**
- **Multi-wire distance typical Aus conditions: 11km**
- **Output energy (Joules): 6.0**
- **Dimensions: 344mm (w) × 223mm (h)**

Refer to page 8 for details
Dashboard Fence

- Shows your fence voltage, current readings, and sends you alarm notifications when things go astray
- Simply connect our new i Series WiFi Gateway box to your existing Gallagher i Series Energizer, install the app and subscribe to our new service to bring your fence to life

WiFi Gateway

- G56700

NEW

Discover daily, weekly or monthly Voltage and Current summaries, including the ability to compare datasets, making fence troubleshooting easy!

View detailed fence zone performance data right from your phone. Check how your fence is performing anywhere you have phone service.

Set custom parameters and be alerted instantly, should there be a problem. Dashboard Fence offers you the peace of mind of knowing your fence is performing.

Simplify fence repair with the ability to remotely power your energizer on or off (and back on again).

WiFi Gateway and Dashboard Fence

Simply connect the i Series WiFi Gateway to your existing i Series Energizer, install the app and subscribe to receive real time alerts about your fence.
Mains Energizers M1400

M1400

- Multi-wire distance ideal conditions: 55km
- Multi-wire distance typical Aus conditions: 14km
- Output energy (Joules): 11.0
- Dimensions: 268mm(l) x 95mm(w) x 212mm(h)

High efficiency Energizer adaptive control output, delivers class leading performance and stock control.

The LED bar on the front allows you to monitor the condition of the fence. At a glance, the colour of the LEDs communicates if the performance is acceptable, or in need of attention.

Extensive testing and industry leading manufacturing processes provide exceptional reliability under harsh farm conditions.

Reliable animal control is assured with built in lightning protection (Gallagher recommends the use of an external lightning diverter to give increased protection G64800).

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Mains Energizers M650, M300

**M650**  
G32311

- **6.5 Joules Stored Energy**  
- **26 Hectares**  
- **65 Acres**  
- **3 Years**

- Multi-wire distance ideal conditions: 40km  
- Multi-wire distance typical Australian conditions: 10km  
- Output energy (Joules): 4.3  
- Dimensions: 176mm(l) x 95mm(w) x 217mm(h)

High efficiency Energizer adaptive control output, delivers class leading performance and stock control.

Simple Installation with keyhole mounting for fixing the Energizer to a flat surface and easy-to-use fence terminals make the Energizer hassle free and quick to install.

Extensive testing and industry leading manufacturing processes provide exceptional reliability under harsh farm conditions.

The Energizer is fitted with lightning protection (Gallagher recommends the use of an external lightning diverter to give increased protection G64800).

**M300**  
G38011

- **3 Joules Stored Energy**  
- **12 Hectares**  
- **30 Acres**  
- **3 Years**

- Multi-wire distance ideal conditions: 25km  
- Multi-wire distance typical Aus conditions: 6km  
- Output energy (Joules): 2.0  
- Dimensions: 205mm (w) × 160mm (h)

Check Energizer performance at a glance, using the quick scan output voltage bar graph and green LED confirmation that fence is working normally.

Easy to use, install and service for the first time user, split bolt recessed terminals ensure good connection.

Economical, lightweight, modular design, designed specifically for small farms and paddocks - suitable for first time or hobby farmers.

Reliable animal control is assured with built in lightning protection (Gallagher recommends the use of an external lightning diverter to give increased protection G64800).
Mains Energizers M160, M50, M20

**M160**

- 1.6 Joules stored energy
- 6 hectares
- 3 years
- Multi-wire distance ideal conditions: 14km
- Multi-wire distance typical Aus conditions: 4km
- Output energy (Joules): 0.6
- Dimensions: 140mm (w) x 165mm (h)

**M50**

- 0.5 Joules stored energy
- 2 hectares
- 3 years
- Multi-wire distance ideal conditions: 5km
- Multi-wire distance typical Aus conditions: 1km
- Output energy (Joules): 0.3
- Dimensions: 140mm (w) x 165mm (h)

**M20**

- 0.2 Joules stored energy
- 1 hectare
- 3 years
- Multi-wire distance ideal conditions: 2km
- Multi-wire distance typical Aus conditions: 0.5km
- Output energy (Joules): 0.14
- Dimensions: 100mm (w) x 150mm (h)
A Battery Energizer is ideal for strip grazing, temporary fencing or setting up electric fencing where there is unreliable or no mains power. Check out the Battery Energizer Selection Chart on page 19 for an overview of all Gallagher Battery Energizers.
<table>
<thead>
<tr>
<th>Model</th>
<th>Internal or external battery</th>
<th>Stored energy (Joules)</th>
<th>Property size (Ha/Ac)</th>
<th>Single wire distance Max length (Km)</th>
<th>Multi-wire distance ideal Aus conditions (Km)</th>
<th>Multi-wire distance typical Aus conditions (Km)</th>
<th>Output energy (Joules)</th>
<th>Key features</th>
<th>Image</th>
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<tr>
<td>MB2800i</td>
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<td>External</td>
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<td>120/300</td>
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* Stored energy is the best way to compare Energizers as it’s not affected by shorting or poor earthing.

**Reference to icons**

- 🌩️ Energizer Controller
- 📊 Adjustable voltage
- ⚡ Fence Monitor capable
- 🏆 Suitable for outdoor use
- ⚡ Portable fencing
- 📦 Battery save options
- ☀️ Solar powered/solar capable
- 💡 Mains powered
- 📦 Remote capable
- ☑️ Output voltage bar graph
- ⚡ Alarm capable
- 📞 Smart phone notification
- 🛍️ Permanent fencing
- 📦 Battery life check
- ⚡️ Rechargeable 12v battery

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**MB2800i**

- **28 Joules Stored Energy**
- **120 Hectares (300 Acres)**
- **3 Years**

- Multi-wire distance ideal conditions: 80km
- Multi-wire distance typical Australian conditions: 20km
- Output energy (Joules): 28
- Dimensions: 344mm (w) × 223mm (h)
- Suitable for fencing all animal types on farms up to 300 acres
- Included: Fence Energizer and Energizer Controller and Fence Monitor and Remote Control

**MB1800i**

- **18 Joules Stored Energy**
- **75 Hectares (190 Acres)**
- **3 Years**

- Multi-wire distance ideal conditions: 65km
- Multi-wire distance typical Aus conditions: 17km
- Output energy (Joules): 18
- Dimensions: 344mm (w) × 223mm (h)
- Suitable for fencing all animal types on farms up to 190 acres

**MB1000i**

- **10 Joules Stored Energy**
- **40 Hectares (100 Acres)**
- **3 Years**

- Multi-wire distance ideal conditions: 45km
- Multi-wire distance typical Aus conditions: 11km
- Output energy (Joules): 10
- Dimensions: 344mm (w) × 223mm (h)
- Suitable for fencing all animal types on farms up to 100 acres

Animal Management Brochure
Battery Energizers B280, B180, B80

**B280** (shown) G36601
- Multi-wire distance ideal conditions: 30km
- Multi-wire distance typical Aus conditions: 8km
- Output energy (Joules): 2.1
- Dimensions: 205mm (w) × 160mm (h) × 80mm (d)
- Battery not included

**B180** G36401
- Multi-wire distance ideal conditions: 20km
- Multi-wire distance typical Aus conditions: 5km
- Output energy (Joules): 1.3
- Dimensions: 205mm (w) × 160mm (h) × 80mm (d)
- Battery not included

**B80** G36201
- Multi-wire distance ideal conditions: 10km
- Multi-wire distance typical Aus conditions: 2km
- Output energy (Joules): 0.58
- Dimensions: 205mm (w) × 160mm (h) × 80mm (d)
- Battery not included

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**Battery save modes**
- Random pulse: 2.6 x more battery life
- Night save: 1.8 x more battery life
- Battery Check
- Off
- Full Power

---

Quick glance battery and fence voltage performance shown on indicator lights.

Battery save modes - Random pulse mode provides 2.6x more battery life and night save mode provides 1.6x more battery life. Battery not included.

Convert to solar operation with a solar package. Refer to the Gallagher Solar and Battery Selection Guide for more information.

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*2.8 JOULES STORED ENERGY* 15 HECTARES | 40 ACRES 3 YEARS
*1.8 JOULES STORED ENERGY* 10 HECTARES | 25 ACRES 3 YEARS
*0.8 JOULES STORED ENERGY* 3 HECTARES | 8 ACRES 3 YEARS

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*JOULES STORED ENERGY*
3 YEARS

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*3 YEARS*

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*3 YEARS*

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*3 YEARS*

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*3 YEARS*
### Battery Energizers B11, B10

**B11**

<table>
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<td>115mm (w) × 220mm (h)</td>
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<td>0.08 Joules</td>
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<tr>
<td>0.5 Hectares</td>
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<td>0.25km</td>
<td>0.09 Joules</td>
</tr>
</tbody>
</table>

- Multi-wire distance ideal conditions: 1km
- Multi-wire distance typical Australian conditions: 0.25km
- Output energy (Joules): 0.08
- Dimensions: 115mm (w) × 220mm (h) (with stand) 115mm (w) × 850mm (h)

Battery powered Energizer with 0.11 Joules of stored energy. Extend battery life with adjustable battery-save options.

Easy to set up and use and lightweight and compact for easy transportation.

Requires 6 D’ batteries or external 12V battery. Batteries not included. 12V battery leads included.

Ideal for strip grazing. Option with stand available for secure operation and simple installation.

**B10**

<table>
<thead>
<tr>
<th>Energy</th>
<th>Dimensions</th>
<th>Distance</th>
<th>Output Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 Joules</td>
<td>150mm (w) × 215mm (h)</td>
<td>1km</td>
<td>0.08 Joules</td>
</tr>
<tr>
<td>0.5 Hectares</td>
<td>150mm (w) × 215mm (h)</td>
<td>0.25km</td>
<td>0.09 Joules</td>
</tr>
</tbody>
</table>

- Multi-wire distance ideal conditions: 1km
- Multi-wire distance typical Australian conditions: 0.25km
- Output energy (Joules): 0.08
- Dimensions: 150mm (w) × 215mm (h)

Battery powered Energizer with 0.1 Joules stored energy. For multi-wire portable fences up to 1km.

Clips on to Gallagher Poly Wire, Poly Tape or galvanised wire.

Pulse rate slows to conserve battery life as batteries run down.

Requires 6 D’ batteries or external 12V battery. Batteries and 12V battery leads (G52100) not included.
Solar and Solar Kits

Choose from a fully integrated Solar Energizer, complete with its own battery, or choose from our range of mains and battery Solar Energizers and conversion kits. High quality, fully tested solar panels provide consistent, reliable power to your Battery Energizer.
<table>
<thead>
<tr>
<th>Model</th>
<th>Internal or external battery</th>
<th>Stored energy (Joules)</th>
<th>Property size (Ha/Ac)</th>
<th>Single wire distance (Km)</th>
<th>Multi-wire distance ideal Aus conditions (Km)</th>
<th>Multi-wire distance typical Aus conditions (Km)</th>
<th>Output energy (Joules)</th>
<th>Key features</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5800i</td>
<td>External</td>
<td>58</td>
<td>240/600</td>
<td>420</td>
<td>140</td>
<td>35</td>
<td>40</td>
<td><img src="image1.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>MB2800i</td>
<td>External</td>
<td>28</td>
<td>120/300</td>
<td>240</td>
<td>80</td>
<td>20</td>
<td>15.5</td>
<td><img src="image2.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>MB1800i</td>
<td>External</td>
<td>18</td>
<td>75/190</td>
<td>195</td>
<td>65</td>
<td>17</td>
<td>12.4</td>
<td><img src="image3.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>MB1000i</td>
<td>External</td>
<td>10</td>
<td>40/100</td>
<td>80</td>
<td>45</td>
<td>11.25</td>
<td>7.7</td>
<td><img src="image4.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>B280</td>
<td>External</td>
<td>2.8</td>
<td>15/40</td>
<td>90</td>
<td>30</td>
<td>8</td>
<td>2.1</td>
<td><img src="image5.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>B180</td>
<td>External</td>
<td>1.8</td>
<td>10/25</td>
<td>60</td>
<td>20</td>
<td>5</td>
<td>1.3</td>
<td><img src="image6.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>B80</td>
<td>External</td>
<td>0.8</td>
<td>3/8</td>
<td>36</td>
<td>10</td>
<td>2</td>
<td>0.58</td>
<td><img src="image7.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S400</td>
<td>Internal</td>
<td>4</td>
<td>16/40</td>
<td>90</td>
<td>30</td>
<td>7.5</td>
<td>3.0</td>
<td><img src="image8.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S200</td>
<td>Internal</td>
<td>2</td>
<td>8/20</td>
<td>60</td>
<td>20</td>
<td>5</td>
<td>1.5</td>
<td><img src="image9.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S100</td>
<td>Internal</td>
<td>1</td>
<td>4/10</td>
<td>30</td>
<td>10</td>
<td>2.5</td>
<td>0.74</td>
<td><img src="image10.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S40</td>
<td>Internal</td>
<td>0.4</td>
<td>2/5</td>
<td>15</td>
<td>5</td>
<td>1.5</td>
<td>0.24</td>
<td><img src="image11.png" alt="Image" /></td>
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</tr>
<tr>
<td>S20</td>
<td>Internal</td>
<td>0.2</td>
<td>1.2/3</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td>0.15</td>
<td><img src="image12.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S16</td>
<td>Internal</td>
<td>0.16</td>
<td>1.5/2</td>
<td>4.5</td>
<td>1.5</td>
<td>0.5</td>
<td>0.12</td>
<td><img src="image13.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>S10</td>
<td>Internal</td>
<td>0.1</td>
<td>0.5/1.3</td>
<td>3</td>
<td>1</td>
<td>0.3</td>
<td>0.08</td>
<td><img src="image14.png" alt="Image" /></td>
<td></td>
</tr>
</tbody>
</table>

Refer to page 19 for icon references.

Animal Management Brochure
Solar Panels

130 Watt Intelligent Solar Panel

- Compatible with Gallagher MB1000i, MB1800i and MB2800i Multi Powered Fence Energizers
- Solar panel and battery requirement will depend on geographical location – please see next page for details
- Supplied with universal mounting kit and leads

Quick and easy to install. Multiple tilt positions for maximum sun light exposure.

High quality, fully tested 130 Watt Solar Panel Kit supplied with full mounting kit.

Smart battery management technology. The solar regulator has a 3-stage charging algorithm ensuring battery charging is safe efficient and fast.

Simple in-field diagnostics with performance management of the battery, solar panel and energizer viewable on the LCD of the regulator underneath the solar panel.

Multiple install options with all required hardware included

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MB2800i</td>
<td>80km</td>
<td>20km</td>
<td>120</td>
<td>1 x 130W</td>
<td>2 x 130W</td>
<td>2 x 130W</td>
</tr>
<tr>
<td>MB1800i</td>
<td>65km</td>
<td>17km</td>
<td>75</td>
<td>1 x 130W</td>
<td>1 x 130W</td>
<td>2 x 130W</td>
</tr>
<tr>
<td>MB1000i</td>
<td>45km</td>
<td>11.25km</td>
<td>40</td>
<td>1 x 130W</td>
<td>1 x 130W</td>
<td>1 x 130W</td>
</tr>
</tbody>
</table>

Mounted on steel post  Mounted on single wooden post  Mounted on wall or similar
<table>
<thead>
<tr>
<th>Product code and image</th>
<th>Description</th>
</tr>
</thead>
</table>
| **M5800i Solar**       | Region 3: SG34811 M5800i Fence Energizer (High Solar Kit) includes 3 x 130W Panel and Inverter (SG5102)  
Region 2: G49602 130 Watt Panel  
Region 1: See your TM |
| **MB2800i Solar**      | Region 3: SG34814 MB2800i (High Solar Kit) includes 1 x 130W Panel  
Region 2: SG34814 MB2800i (High Solar Kit) includes 1 x 130W Panel  
Region 1: G49602 130 Watt Panel |
| **MB1800i Solar**      | Region 3: SG34813 MB1800i (High Solar Kit) includes 1 x 130W Panel  
Region 2: SG34813 MB1800i (High Solar Kit) includes 1 x 130W Panel  
Region 1: G49602 130 Watt Panel |
| **MB1000i Solar**      | Region 3: SG34812 MB1000i (High Solar) includes 1 x 130W Panel  
Region 2: SG34815 MB1000i (High Solar) includes 1 x 130W Panel with Fence Communications |
| **B280 Solar**         | Region 3: SG34801 B280 (High Solar) includes 1 x 20W Panel  
Region 2: SG34801 B280 (High Solar) includes 1 x 20W Panel (May require additional regulator depending on area)  
Region 1: SG48500 20 Watt Panel |
### Battery and Solar Panel Selection

<table>
<thead>
<tr>
<th>Energizer</th>
<th>Distances (multi-wire)</th>
<th>Distance (Aus conditions)</th>
<th>Hectares</th>
<th>High solar / Region 3 (Solar panel)</th>
<th>Battery</th>
<th>Medium solar / Region 2 (Solar panel)</th>
<th>Battery</th>
<th>Low solar / Region 1 (Solar panel)</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>M10,000i</td>
<td>200km</td>
<td>50km</td>
<td>400</td>
<td>3 x 130W</td>
<td>300ah</td>
<td>4 x 130W</td>
<td>400ah</td>
<td>2 x 130W</td>
<td>230ah</td>
</tr>
<tr>
<td>M5800i</td>
<td>140km</td>
<td>35km</td>
<td>240</td>
<td>1 x 130W</td>
<td>150ah</td>
<td>2 x 130W</td>
<td>200ah</td>
<td>2 x 130W</td>
<td>180ah</td>
</tr>
<tr>
<td>MB2800i</td>
<td>80km</td>
<td>20km</td>
<td>120</td>
<td>1 x 130W</td>
<td>120ah</td>
<td>1 x 130W</td>
<td>150ah</td>
<td>2 x 130W</td>
<td>140ah</td>
</tr>
<tr>
<td>MB1800i</td>
<td>65km</td>
<td>17km</td>
<td>75</td>
<td>1 x 130W</td>
<td>100ah</td>
<td>1 x 130W</td>
<td>120ah</td>
<td>1 x 130W</td>
<td>90ah</td>
</tr>
<tr>
<td>MB1000i</td>
<td>45km</td>
<td>11.25km</td>
<td>40</td>
<td>20W</td>
<td>60ah</td>
<td>40W</td>
<td>90ah</td>
<td>40W</td>
<td>90ah</td>
</tr>
<tr>
<td>B280</td>
<td>40km</td>
<td>8km</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The selection table is a guide only as adverse microclimates (such as fog prone valleys, shade from ridges etc) can severely affect panel performance.*

### Solar kits

Our base/default solar kits options are for high sunshine regions of more than 250 hours per month. For lower sunshine hours add additional solar panels as per the table above.

### Sunshine contour map

This map indicates the levels of sunshine throughout Australia. The amount of solar panels required are dictated by the level of solar available. Identify your region as 1, 2 or 3 and select the right solar kit to add to your Energizer.

### Solar panel selection

The size of your solar panel will depend on:
1. Energizer size and power setting
2. Geographic location (see map above)
3. Level of usage (full year, summer or spring/summer/autumn).

### Recommended – deep cycle batteries (Lead acid)

Also known as leisure or marine batteries, deep cycle batteries are designed for steady, continuous use with daily cycling and occasional deep discharges. In these conditions, a life of 3-20 years can be expected. A deep cycle battery will typically last two to four times longer than an automotive battery when used for powering energizers. Select your energizer and solar region in table above and purchase deep cycle batteries to meet your Amp/hour requirements.
Portable Solar Fence Energizers S200, S400

**S400**
- **Joules Stored Energy**: 4.0
- **Hectares**: 16
- **Years**: 3
- **Dimensions**: 660mm (w) × 305mm (d) × 472mm (h)
- **Multi-wire distance ideal conditions**: 30km
- **Multi-wire distance typical Aus conditions**: 7.5km
- **Output energy (Joules)**: 3.0

**S200**
- **Joules Stored Energy**: 2.0
- **Hectares**: 8
- **Years**: 3
- **Dimensions**: 330mm (w) × 305mm (d) × 472mm (h)
- **Multi-wire distance ideal conditions**: 20km
- **Multi-wire distance typical Aus conditions**: 5km
- **Output energy (Joules)**: 1.5

Convenient, fully integrated portable power. This unit comes with integrated solar panel, rechargeable battery, and fence and earth leadset.

Highly portable and robust Energizer, with a convenient carry handle and toughened plastic case designed for outdoor use.

Multiple power options ensure optimum battery management. Wildlife control mode and a livestock animal control mode.

Improved solar reliability with split solar panel design - if a panel is obstructed by vegetation or other debris, the battery continues to charge.

Mains recharge capability. Allows battery to be charged by mains power if insufficient sunshine hours are available or for periodic recharge during storage.

360° mounting on steel posts for correct orientation toward the sun, regardless of which way the post is facing.

Animal Management Brochure
### Portable Solar Fence Energizers S100, S40

<table>
<thead>
<tr>
<th></th>
<th>S100</th>
<th>S40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G34610</td>
<td>G34510</td>
</tr>
<tr>
<td><strong>1.0</strong> JOULES STORED ENERGY</td>
<td><strong>4</strong> HECTARES 10 ACRES</td>
<td><strong>0.4</strong> JOULES STORED ENERGY</td>
</tr>
<tr>
<td><strong>3</strong> YEARS</td>
<td><strong>3</strong> YEARS</td>
<td><strong>3</strong> YEARS</td>
</tr>
</tbody>
</table>

- **Multi-wire distance ideal conditions:** 10km
- **Multi-wire distance typical Aus conditions:** 3km
- **Output energy (Joules):** 0.74
- **Dimensions:** 355mm (w) × 310mm (h)

- **Multi-wire distance ideal conditions:** 5km
- **Multi-wire distance typical Aus conditions:** 1.5km
- **Output energy (Joules):** 0.29
- **Dimensions:** 215mm (w) × 280mm (h)

---

Two operating modes ensure optimum battery usage, even in periods of low sunlight.

The water-resistant case with built-in lightning protection is designed to be left outside, rain, hail or shine. Keeps stock contained in all weather conditions.

Both the S100 and S40 include a power kit, allowing the battery to be charged by mains power if insufficient sunlight hours are available.

Turn on and forget with automated battery management. The Energizer will continue to work for up to three weeks without sunlight. A battery status indicator shows battery health in an instant.

gallagher.com
<table>
<thead>
<tr>
<th>Model</th>
<th>G34110</th>
<th>G34111</th>
<th>G34112</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S10</strong></td>
<td>0.10 Joules stored energy</td>
<td>0.5 hectares</td>
<td>3 years</td>
</tr>
<tr>
<td><strong>S16</strong> (shown)</td>
<td>0.16 Joules stored energy</td>
<td>0.8 hectares</td>
<td>3 years</td>
</tr>
<tr>
<td><strong>S20</strong></td>
<td>0.20 Joules stored energy</td>
<td>1.2 hectares</td>
<td>3 years</td>
</tr>
</tbody>
</table>

- Multi-wire distance ideal conditions: 1km
- Multi-wire distance typical Aus conditions: 0.3km
- Output energy (Joules): 0.08
- Dimensions: 170mm (w) × 245mm (h)
- Includes Battery and Lead Set.

- Multi-wire distance ideal conditions: 1.5km
- Multi-wire distance typical Aus conditions: 0.5km
- Output energy (Joules): 0.12
- Dimensions: 170mm (w) × 245mm (h)
- Includes Battery and Lead Set.

- Multi-wire distance ideal conditions: 3km
- Multi-wire distance typical Aus conditions: 1km
- Output energy (Joules): 1.4
- Dimensions: 170mm (w) × 245mm (h)
- Includes Battery and Lead Set.

360° mounting on Steel posts for correct orientation toward the sun - Allows the Energizer to be mounted on a steel post that is already part of the fence line, regardless of which way the post is facing. Can also be mounted onto vertical wood posts.

Quick to install. Can be set up easily in any location and moved about for strip grazing and better pasture management.

Portable, lightweight and ergonomic design in a tough, shock resistant case that is designed with the rigours of farm life in mind.

Turn on and forget. Energizer will continue to work for up to 3 weeks without sun.

Water resistant case with built-in lightning protection. Designed to be left outside - in sun, rain or hail - keeping stock contained in all weather conditions.
## Energizer Accessories

### Fence Testers and Remotes

#### Fence Volt/Current Meter and Fault Finder
- **G50905**
  - Save hours checking fence lines for faults
  - Large easy-to-read LCD display shows voltage and current
  - Arrow shows direction of fault
  - Auto On/Off when fence pulse detected
  - Waterproof with up to 3 year life on user replaceable battery

#### Energizer Remote and Fault Finder
- **G50700**
  - Quickly and easily locates fence faults
  - Once fault located turn the Energizer off remotely to allow safe and convenient fence repair
  - Rugged and reliable with a tough, water resistant casing.
  - Compatible with i Series Energizers, including MB1000i, MB1800i, MB2800i, M5800i and M10,000i

#### Fence Volt Meter
- **G50331**
  - Digital read out for accurate fence voltage measurement.
  - Auto On/Off when fence pulse detected

#### Fence Volt Indicator
- **G50100**
  - Simple indicator lights show approximate fence voltage levels.

#### Live Fence Indicator
- **G51100**
  - Place permanently on your fence and simply look for the LED flash, for instant reassurance that the fence is working.
  - No batteries required. Uses power from the fence
  - Highly visible LED can be seen during day/night (up to 1km at night)
  - Long life – water and UV resistant
  - Simply put earth stake in ground and clip on to fence wire or tape

### Cut Out Switches

#### Cut Out Switch
- **G60733**
  - A handy tool that allows a section of permanent fence to be switched off for maintenance or fault finding.
  - High quality electrical contacts for long life and designed to handle high voltages
  - Highly visible on/off switch for status checking at a glance
  - Fully sealed, weatherproof and dirt resistant
  - 10 year warranty

#### Cut Out Switch – Knife
- **G60770**
  - Heavy duty design. Simply turn power on or off to a selected area.
  - Fits securely onto any post. Mounting screws supplied
  - Highly visible on/off switch for status checking at a glance
  - 1 year warranty

### Safety and protection

#### Flood Gate Controller
- **G60400**
  - Install on flood gates to prevent significant power loss when the waterway is in flood.

#### Lightning Diverter
- **G64800**
  - Gallagher recommends all permanent Energizers should be fitted with a lightning diverter to help protect from lightning damage.

#### Warning Sign
- **G602000**
  - A highly visible sign that warns that a fence is electrified. Required by law to be used on boundaries and anywhere else public have access to a fence.
Eight out of ten problems are due to improper earthing

Setting up a good earthing system is often overlooked but it’s critical. It’s how the power flows from the Energizer, to the fence, through the animal and back through the ground to the Energizer. Without good clean earth rods in sufficient size and number the ground connection doesn’t work and the shock will not reach the animal.

**All live wire system** wetter regions

For use in greener regions with good ground conductivity. An ‘all live system’ is where all fence wires connect to the red terminal on the Energizer. A shock is delivered to an animal when it’s touching both the ground and the fence at the same time.

**Earth return wire system** drier regions

For use where the ground struggles to conduct enough power. An ‘earth return system’ is created where the live and earth wires on the fence create the shock when the animal touches them both at the same time.

---

**Handy Hint** The 4-3-2-1 rule for earth stakes for permanent fencing

- **4** Metres between earth stakes/rods
- **3** Earth stakes/rods minimum*
- **2** Metres minimum length of stakes/rods
- **1** Wire connecting all earth stakes to Energizer earth terminal

---

**Super Earth Kit**

- One Super Earth Kit is equivalent to three earth stakes
- Increases the conductivity of surrounding soil as the salt attracts moisture and the absorbent clay holds the moisture
- Particularly effective in poor earthing soils
- Kit contains: 2kg salt, 4kg Absorbent clay, 1.2m Stainless Steel Earth Stake and a Galvanised Earth Clamp

---

**Earth Clamp**

G87601

Heavy duty galvanised clamps for securing cable to earth stakes.

---

**Galvanised Earth Stake 1m**

G88061

1m galvanised rod ideal for driving into hard or stoney ground.

---

**Lightning Diverter**

G64800

Diverts lightning from the fence to the earth. We recommend all permanent Energizers be fitted with a lightning diverter.
High Conductive Cable

Ensure optimum power to all parts of the fence

Leadout describes the cable and wire that carries the power from the Energizer to the middle of your fence system. Ensure optimum power distribution to all areas of your fence by choosing the most conductive cable/wire relevant to your fence system.

<table>
<thead>
<tr>
<th>Insulated Cable: Energizer to the fence</th>
<th>Voltage at start of fence 8kV at 2km</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Conductive Cable</td>
<td></td>
</tr>
<tr>
<td>G62792 50m</td>
<td>6.1kV</td>
</tr>
<tr>
<td>G62793 100m</td>
<td>6.1kV</td>
</tr>
<tr>
<td>G62794 200m</td>
<td>6.1kV</td>
</tr>
<tr>
<td>G62796 400m</td>
<td>6.1kV</td>
</tr>
<tr>
<td>Double Insulated Hard Cable</td>
<td></td>
</tr>
<tr>
<td>G62703 100m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>Double Insulated Soft Cable</td>
<td></td>
</tr>
<tr>
<td>G62711 25m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>G62719 60m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>G62713 100m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>G62716 400m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>Double Insulated Soft Cable Dual Strand</td>
<td></td>
</tr>
<tr>
<td>G62731 30m</td>
<td>4.2kV</td>
</tr>
<tr>
<td>G62732 70m</td>
<td>4.2kV</td>
</tr>
</tbody>
</table>

Calculations based on a heavy fence load (70 ohms).

Wire

High Conductive Wire G62900 – 1000m

2.5mm aluminium coated wire with four times the conductivity of 2.5mm galvanised wire.

Medium Tensile Wire SW25000 – 250m

2.5mm heavy galvanised, medium tensile fencing wire.

Clamps

Two options for clamping multiple wires in a secure electrical connection.

Joint Clamp G60315

Heavy duty double insulation with tough polyethylene covering for extra protection and abrasion resistance. Should be laid in plastic pipe for physical protection when used underground.

Use High Conductive Lead Out Wire from start of the fence to middle of the fence system to complete the optimum lead out setup. Use up to 2km.

Low resistance double insulated cable. Recommended for initial lead out lengths (Energizer to start of fence). 8.4 Ohms/km.

Heavy Duty Joint Clamp G60355

Two options for clamping multiple high tensile wires in a secure electrical connection. Heavily galvanised for durability and long life.
Gallagher have a complete range of permanent, semi-permanent and temporary fencing solutions, suitable for everything from small equine fencing through to remote permanent exclusion fencing solutions. Paired with a Gallagher Energizer, electric fencing forms a safe, reliable barrier for your farm.

Permanent Fencing .......................................................... page 35
Gallagher Westonfence System ......................... page 43
Equine Fencing .............................................................. page 46
Retro/Offset Fencing .................................................. page 51
Portable Fencing ............................................................. page 54
Exclusion Fencing ......................................................... page 59
Electric Gates ................................................................. page 62
Gate Hardware ............................................................... page 66
Permanent Fencing

Permanent fences use highly conductive, corrosion resistant fence wire with wood, steel or concrete posts and high strength components to keep fences working effectively year after year. They are easy to install and operate, and provide highly effective animal control that lasts.

Example of internal cattle fence design
Extra High Voltage Strain Insulator

10 YEARS

NEW

Designed for high powered fencing systems and areas where insulation is critical. Insulation ribs provide 2 x the insulation performance of previous models.

Refer to page 39 for details

End Strain Insulators and Strainers

High Strain Insulator Kit G61824

Simplest option for end strain insulation; use at one end on shorter fence lengths and add strainer G61803 on the other end or G64304 mid-fence. Fits up to 200mm/8" post.

Strain Insulator G67704

Economical end strain insulation for fences with little stock pressure or semi-permanent setups.

Insulated Wire Strainer Kit G61803

No wire tying, fast and simple. Includes all three end strain elements - insulator, strainer and steel rope. Simply slide over the post and you're done. Fits up to 200mm/8" post.

Insulated End Strainer G74313

All-in-one end assembly lets you insulate, strain and connect. Heavy duty end strainer that is 1.4 times stronger than the previous model. It also has superior insulation and improved corrosion resistance.

Wire Strainer G79504

Ratchet style wire strainer. Can also be used in-line by threading through strainer. Tighten with G69530 ratchet handle or simple shifter.

Permanent Porcelain End Strainer G79604

Strong galvanised steel and porcelain fence wire strainer. Improved spool design has had extra teeth added and its hub size increased.

Porcelain Bullnose Strain Insulator G69203

Fire resistant, ideal for high fire risk areas. Suitable for long strains of permanent fence.

In Line Strainers

In line Wire Tightener G64304

Fits over wire for mid-fence straining, increasing effectiveness of strain by pulling from both directions. Ideal for tightening existing fences or trellising wires. Use with G64400 or G64500 tightener handle.

Permanent Tension Spring G62500

Can be used in-line or at the end of a fence with built in over-stretch protection. Useful for enabling irrigators to pass over fence lines or on very short fence lines to maintain tension and prevent excessive strain on end posts.

Joint Clamps

Joint Clamp G60355

Two options for clamping multiple high tensile wires in a secure electrical connections.

Heavy Duty Joint Clamp G60315

End Strain Insulators and Strainers diagram

In Line Strainers diagram

Joint Clamp diagram

Extra High Voltage Strain Insulator

G74514

Animal Management Brochure
Permanent Fencing

**Wood Post Insulator**

*Wood Post Claw Insulator*  
G67304  

The most popular choice for permanent electric fencing using wooden posts. Large heavy duty shield prevents pulse arcing and minimises power leakage.

*Wood Post PowerLock Insulator*  
G69004  

Two choices for fences needing to be temporarily lowered for vehicle or stock access such as on laneways, beside drains and around silage pits. No tools needed to install or remove wire from insulator.

*Drive Screw Assembly*  
SG6940  

Drive screw assembly for use on wood posts. Fire resistant, making it ideal for high fire risk areas. High quality white glaze finish.

*Porcelain Reel Insulator*  
G67403  

Fire resistant so ideal for high fire risk areas. With a long life, high quality white glaze finish. 41mm (1 1/2") diameter.

**Other In Line Post Insulator**

*Insulated Tube*  
P6791  

Alternative to longer life, higher strength insulators. For use with 2.5mm wire. Flexible for quick and easy installation. 10 metre roll is easily cut to required length.

**Steel Post Insulators**

*Steel Post Pinlock*  
G68604 - 25 Pack  
G68607 - 150 Pack  
G74635 - HD Pin  

See page 40 for detail  

Superior insulation, heavy duty double shield. 150% more insulative than previous model. Optional heavy duty glass filled nylon pin available. Universal post attachment.

*Clip Bolt Assembly*  
SG6930  

Designed for steel posts. 41mm porcelain insulator assembly with nylon type nut. Fire resistant so ideal for high fire risk areas. High quality white glaze finish.

*Clip On Porcelain Insulator for JIO Post*  
G71913  

Easy-to-install and designed to simply clip onto Waratah JIO Star® or JIO MaxY® posts for secure attachment - no tools needed. Fire resistant so ideal for high fire risk areas.

*JIO Post Insulator*  
G72204  

Designed and manufactured for use with the Waratah JIO post range. Strong post attachment. Quick and easy to install. Twin pin matches with the existing JIO Post holes for super-fast install requiring no tools.

**Fibreglass and Insulated Line Posts**

*Insulated Line Post*  
1140mm G74213  
1350mm G74223  

See page 38 for detail  

Flexible, perfectly insulated posts. Ideal for permanent and semi permanent equine, sheep and cattle fencing.

*Fibreglass Post (10mm)*  
1250mm G81510  
1500mm G81710  

Fibreglass Post (13mm)  
1500mm G82210  
1370mm G82010  

Highly adaptable, easy-to-install option that can be used in portable, semi-permanent and permanent fences.

*Spring Grip Post Clips*  
G83005 for 10mm post  
G83505 for 13mm post  

Clip for secure attachment to fibreglass posts.

Waratah, JIO, JIO Star, JIO Max Y and Waratah Longlife Blue colour are trademarks of Onesteel Wire Pty Limited
Insulated Line Post

• The Tailor-made Electric Fence Post
• Simple, low cost installation with no machinery required
• Multiple wire heights with pre-formed wire attachment locations and snap-on clips
• Strong, yet flexible with a solid 16mm fibreglass core enabling flex on impact
• Perfectly insulated with a UV stabilised polyethylene outer

High Strength Clips (G74434). GF nylon “snap-on” clips form a reliable connection with 160kg holding force – typically twice as strong as most conventional wood or steel post insulator systems.

40mm Tape Clip (G74223). Soft rubber jaw locks tape in place and prevents wear. Together with the Insulated Line post, the new 40mm Tape Clip creates a flexible fence system reducing the risk of animal injury.

High quality materials ensure long life. A UV protected polyethylene sheath protects the fibreglass core from UV damage.

The strong and flexible fibreglass core enables the post to flex on impact, preventing broken or bent posts and minimising animal injury.

Insulated Line Post installation accessories

Line Post Rammer
G52501
Designed specifically to drive/ram the Insulated Line Post into the ground

Line Post Sleeve
G53001
Prevents flex when driving the 1140mm or 1350mm Insulated Line Post when using a standard T or Y post rammer.

Line Post Lifter Attachment
G52701
Attaches to most Steel Post Pullers/Lifters to safely pull out the Insulated Line Post or pilot from the ground
Insulated End Strainer

- The design of the new insulated end strainer incorporates the ability to insulate, strain and connect the fence line all within one component.
- It eliminates unnecessary joins, ensures optimal tension levels when straining.
- Increases insulation by 1.7 times over previous models.

Extra High Voltage Strain Insulator

- For all wire types up to 8mm/0GA wide.
- Designed for high powered fencing systems and areas where insulation is critical.
- Superior insulation performance.

Insulation ribs provide 2 x the insulation performance of previous models to reduce chances of stray voltage around critical areas eg. around steel yards.

Easy to use and reuse. Streamlined design allows for comfortable positioning in hand during installation, and the wire can be easily cut away for product reuse.

Creates secure, tidy end assembly. Large, separate tie off ends enable superior insulation and tidy end assembly.

Heavy duty, high-strength durable construction, backed with a 10 year warranty.
Steel Post Pinlock Insulator

- Pinlock design for easy wire installation and removal along drains etc - no tools required
- Heavy duty jaw design to withstand fence tension and keep wires firmly in place
- Superior insulation with large heavy-duty shield to prevent pulse arcing and reduce power leakage
- Made from strong high density, long lasting UV resistant plastic

Glass Filled Nylon Pin Magazine

Superior insulation, heavy duty double shield provides 150% more insulation performance than previous model.

Universal post attachment for use with steel posts including Waratah JIO™.

Hard, glass-filled nylon pin (G74635) available which doubles the wire attachment strength - perfect for high stock pressure scenarios

Easy to use, no tools required. Pinlock allows for easy wire installation and removal under tension.

Clip-on Porcelain Insulator

- Designed and manufactured for exclusive use with the Waratah JIO post range
- Fire resistance makes it ideal for use in high fire risk areas
- Ideal for areas of high fence pressure and feral applications
- Clips made from Waratah Longlife Blue colour fence wire for consistent corrosion protection and strength

Heavy Duty Pinlock Insulator

- Designed and manufactured for exclusive use with the Waratah JIO post range
- Proven Gallagher UV resistant High Density Polyethylene (HDPE) plastic
- Twin pin system locks the insulator firmly in place with 50% stronger post attachment
- The increased diameter front pin withstands significantly higher wire pressure from stock impact compared to standard pinlock insulators
- Twin pin utilises JIO post holes for super fast installation - requiring no tools
- Pinlock wire retention with twist lock closure allows for easy installation/ removal of wire under tension
**Cut Out Switch**

- Make fence maintenance work easy with the Gallagher Cut Out Switch
- Locate the switches around your farm at strategic points to allow you to cut power to sections of fence to carry out maintenance and simply turn back on again when the job is complete
- Fits securely onto any post with mounting screws supplied

Made from impact resistant materials, includes UV stabilised plastic.

<table>
<thead>
<tr>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully sealed, weather proof and dirt resistant.</td>
</tr>
<tr>
<td>Highly visible ON/OFF positions.</td>
</tr>
<tr>
<td>High quality electrical contacts to handle high voltages.</td>
</tr>
</tbody>
</table>

**Fence Volt/Current Meter and Fault Finder**

- Save hours checking fence lines for shorts. Volt meter, current meter and short finder in one.
- Tracks the source of erratic or poor electric fence performance in minutes

Large easy to read LCD display shows voltage and current and an arrow shows direction of fault.

<table>
<thead>
<tr>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extendable contact probe for reading voltage on energizers and other hard to reach places plus an earth probe connector for more accurate reading.</td>
</tr>
<tr>
<td>With an auto On/Off feature the Fault Finder turns on when a fence pulse is detected - providing a long, 3 year life on the user replaceable battery.</td>
</tr>
<tr>
<td>Pocket sized tough, water and impact resistant case.</td>
</tr>
</tbody>
</table>
**Irrigator Crossing System**

Comprising dedicated spring bays and a ground anchor system, this system is designed to ensure pivot irrigators are able to cross the fence safely without causing damage.

- Ensure your 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

### End Strain Spring Assembly
For end of fence installation - allows the fence to stretch during irrigator crossing.

1. **Pivot Pipe**
   - G72900 (10 pk)
   - No crimping required – straightened and pre-drilled for convenient install.

2. **Anchor Post**
   - G73000 (10 pk)
   - Pre-drilled, 0.5m heavy galvanised Y post for solid ground attachment.

### Existing Fence Insulation
Secure wire attachment to post

2. **Pinlock Insulator**
   - G68704 (25 pk)
   - 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.

3. **Double Loop Pivot Spring**
   - G72600
   - Large, galvanised wire diameter and 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.

### Ground Anchor System
Anchor system to keep fence locked to the ground.

### Wheel crossing points

- 1.5m
- 12-16m
- 7-8m
- 0.75m

### Simple clip system for easy install of anchor rope

**Anchor Rope and D Shackle**
- G74103 2.5m (10 PK)
- High quality, UV resistant braided rope
- Galvanised D Shackle prevents rope from fraying.

**Wire Anchor Clip** (Patent Pending)
- G74033 (20 PK)
- NEW

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Irrigator wheel assembling crossing point.

Irrigator wheel assembly half way over the fence line with the irrigator fence deflector bar holding the fence line down.

Irrigator wheel assembly crossing the fence line.
Gallagher Westonfence has been designed for the construction of a robust, low maintenance and permanent electric fence. It is fast, easy to construct and, when paired with a Gallagher Energizer, is a safe and cost-effective solution to exclusion and subdivision fencing.
Westonfence Insulated Suspension Post

- Ideal for use for internal subdivision fencing for cattle, sheep, goats and horses
- Well suited for the exclusion of kangaroos, goats, dogs and deer
- Use in external and boundary fences to protect your most valuable assets
- Suitable for use in cell grazing and feedlotting systems

Each ISP has been precision drilled in one of several hole configurations.

Excellent insulative design eliminates voltage tracking and leakage.

High-density polyethylene (HDPE) Insulated Suspension Posts (ISP) with unique I beam design ensures strength to weight ratio, and memory to retain form.

High tensile fastening clips holds ISP fast, to protect fence integrity and wire spacing.

Westonfence Accessories

**High Tensile Fastening Clips**

**SG82200, SG82100, SG82300**

High tensile fastening clips hold the ISP fast, to protect fence integrity and maintain wire spacing. There are clips specifically for standard steel posts, Maxi Posts and for the ISPs. Use two per post, to form a robust fence. Use Clip Spanner (SG83000) for simple attachment.

**Applicator Tool**

**SG85000**

The block of 30 pre-threaded ISP’s can be strained and spaced out using the construction tool. This allows for more efficient fence construction that is quicker and more cost effective than conventional fencing.
Westonfence Insulated Suspension Post range

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Qty pack</th>
<th>Holes</th>
<th>Hole spacing mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG80300</td>
<td>Insulated Suspension Post D3 556mm</td>
<td>30</td>
<td>3</td>
<td>30, 255, 525</td>
</tr>
<tr>
<td>SG80400</td>
<td>Insulated Suspension Post D4 810mm</td>
<td>30</td>
<td>4</td>
<td>25, 270, 530, 780</td>
</tr>
<tr>
<td>SG80500</td>
<td>Insulated Suspension Post D5 810mm</td>
<td>30</td>
<td>5</td>
<td>25, 180, 355, 555, 780</td>
</tr>
<tr>
<td>SG80600</td>
<td>Insulated Suspension Post D6 960mm</td>
<td>30</td>
<td>6</td>
<td>25, 175, 330, 505, 705, 930</td>
</tr>
<tr>
<td>SG80700</td>
<td>Insulated Suspension Post D7 Std 1100mm</td>
<td>30</td>
<td>7</td>
<td>25, 165, 315, 470, 645, 845, 1070</td>
</tr>
<tr>
<td>SG80710</td>
<td>Insulated Suspension Post D7 XL 1200mm</td>
<td>30</td>
<td>7</td>
<td>125, 265, 415, 570, 745, 945, 1170</td>
</tr>
<tr>
<td>SG80800</td>
<td>Insulated Suspension Post D8 1365mm</td>
<td>30</td>
<td>8</td>
<td>25, 165, 315, 470, 645, 845, 1070, 1340</td>
</tr>
<tr>
<td>SG80810</td>
<td>Insulated Suspension Post D8 XL 1470mm</td>
<td>30</td>
<td>8</td>
<td>125, 265, 415, 570, 745, 945, 1170, 1440</td>
</tr>
<tr>
<td>SG80111</td>
<td>Insulated Suspension Post B Line 2 x D7 1100mm and 1 x D8 1365mm</td>
<td>10*</td>
<td>7 and 8</td>
<td>25, 165, 315, 470, 645, 845, 1070, 1340</td>
</tr>
<tr>
<td>SG80112</td>
<td>Insulated Suspension Post B Line XL 2 x D7 XL 1200mm and 1 x D8 XL 1470mm</td>
<td>10**</td>
<td>7 and 8</td>
<td>125, 265, 415, 570, 745, 945, 1170, 1440</td>
</tr>
<tr>
<td>SG80900</td>
<td>Insulated Suspension Post D9 1100mm</td>
<td>30</td>
<td>9</td>
<td>25, 140, 255, 375, 515, 650, 795, 935, 1070</td>
</tr>
<tr>
<td>SG80920</td>
<td>Insulated Suspension Post D9 SP 1200mm</td>
<td>30</td>
<td>9</td>
<td>125, 240, 355, 475, 615, 750, 895, 1035, 1170</td>
</tr>
<tr>
<td>SG80910</td>
<td>Insulated Suspension Post D9 XL 1650mm</td>
<td>30</td>
<td>9</td>
<td>25, 165, 315, 470, 645, 845, 1070, 1340, 1610</td>
</tr>
<tr>
<td>SG80110</td>
<td>Insulated Suspension Post D10 1300mm</td>
<td>30</td>
<td>10</td>
<td>25, 140, 255, 375, 515, 650, 795, 935, 1070, 1275</td>
</tr>
<tr>
<td>SG80200</td>
<td>Insulated Suspension Post Leaning Offset 660mm</td>
<td>30</td>
<td>4</td>
<td>25, 200, 400, 630</td>
</tr>
</tbody>
</table>

* B line is our most popular configuration. The B line price includes 2 x D7 1100mm IPS’s and 1 x D8 1365mm ISP’s in configurations of 30 total, ready for wire threading.
** B line XL price includes 2 x D7 XL 1200mm ISP’s and 1 x D8 XL 1470mm
Permanent and semi-permanent equine fencing

Horses are lively and at times unpredictable, so keeping them safely contained is paramount, but can be challenging. A Gallagher equine electric fence is a safe, reliable and highly visible solution – designed to ensure your horses’ welfare.
**Equine Fencing**

**Wire and Braid**

Voltage at start of fence 8kV at 500m at 1km ohms/km

- **Equine Fence Wire**
  - G91200 250m
  - 7.7kV 7.5kV 35
  - See page 49 for detail

- **Turbo Equine Braid**
  - G62176
  - Highly conductive, designed for long distance semi permanent and portable horse fencing. High visibility for safe horse control.
  - 7.0kV 6.3kV 130

- **Bayco SG6060**
  - Horse sighter wire.
  - 4mm thick for visibility. Maintains appearance year after year.
  - Non Conductive

**Wood Post Insulators**

- **Wood Post Wide Jaw Claw Insulator**
  - G67614
  - See page 49 for detail

- **Wood Post Equine Pinlock Insulator**
  - G62604

- **Wood Post Nail-on Insulator**
  - G68408

- **Nail on Insulator (W Type)**
  - G68308

**Joint Clamps**

- **Joint Clamp**
  - G60355
  - Two options for clamping multiple high tensile wires in a secure electrical connection.

- **Heavy Duty Joint Clamp**
  - G60315

- **Electric Fence Crimp Sleeves for Rope and Braid**
  - G61304
  - Poly Crimps for Turbo Equi Braid, made from non-rusting, aluminium alloy for long life.

**End Strain Insulators/Strainers**

- **Extra High Voltage Strain Insulator**
  - G74514
  - Designed for high powered fencing systems and areas where insulation is critical. Insulation ribs provide 2 x the insulation performance of previous models.

- **High Strain Termination Kit**
  - G61824
  - Simplest option for end strain insulation; use at one end on shorter fence lengths and add strainer G61803 on the other end or G64304 mid-fence. Fits up to 8”/200mm slide.

- **Insulated Wire Strainer Kit**
  - G61803
  - No wire tying, fast and simple. Includes all three end strain elements – insulator, strainer and steel rope. Simply slide over the post and you’re done. Fits up to 200mm 8” post.

- **Insulated Wire Strainer**
  - G74313
  - Combined end strain insulator strainer and joint clamp. Simply tie onto strainer post and wind fence wire onto spool.

**Steel Post Insulators**

- **Steel Post Pinlock Insulator**
  - G66314
  - Designed for steel posts, best choice for permanent equine electric fencing using Y posts or Waratahs.

- **Steel Post Topper Insulator**
  - G68513
  - Safety and flexibility – add a single electric wire/tape/braid to the top of exiting posts using this protective cap.

- **Equipost Sleeve and Cap for steel posts**
  - SG012
  - Designed to increase visibility and aesthetics of most standard steel posts. Requires insulators (G67614)
Tape fences
Voltage at start of fence 8kV

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Voltage @ 500m</th>
<th>Voltage @ 1km</th>
<th>Resistance</th>
<th>Mixed Metals</th>
<th>Interconnect</th>
</tr>
</thead>
<tbody>
<tr>
<td>40mm Turbo Tape</td>
<td>200m</td>
<td>6.4kV</td>
<td>5.4kV</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40mm Poly Tape</td>
<td>100m</td>
<td>2.3kV</td>
<td>1.4kV</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wood Post Corner
Strain Tape Insulator
G67012

Wood Post Heavy Duty Tape Insulator
G68019

Steel Post Topper
Insulator
G68513

Safety and flexibility – add a single electric tape to the top of existing posts using this protective cap.

Steel Post 40mm Tape Insulator
(White)
G62814

Unique snap on design. Simple to install with no tools. Specially designed for 12.5 - 40mm tape.

Insulated Line Post 40mm Tape Insulator
(Black)
G74703

Unique snap on design. Simple to install with no tools. Specially designed for Insulated Line Post and 12.5 - 40mm tape.

How to compare tapes and braids

Look for the minimum voltage drop as the fence gets longer and look for the lowest resistance rating per/km.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Image</th>
<th>Voltage at beginning of fence</th>
<th>500m fence</th>
<th>1km fence</th>
<th>Resistance (Ohms/km)</th>
<th>Mixed metals</th>
<th>Interconnect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbo Equine Braid 5mm</td>
<td></td>
<td>8kV</td>
<td>7.1kV</td>
<td>6.5kV</td>
<td>125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12mm Heavy Duty PolyTape*</td>
<td></td>
<td>8kV</td>
<td>1.7kV</td>
<td>1.0kV</td>
<td>4250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.5mm Turbo Tape</td>
<td></td>
<td>8kV</td>
<td>6.4kV</td>
<td>5.3kV</td>
<td>250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.5mm Poly Tape</td>
<td></td>
<td>8kV</td>
<td>0.84kV</td>
<td>0.45kV</td>
<td>8500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40mm Turbo Tape*</td>
<td></td>
<td>8kV</td>
<td>6.4kV</td>
<td>5.4kV</td>
<td>145</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40mm PolyTape*</td>
<td></td>
<td>8kV</td>
<td>2.3kV</td>
<td>1.4kV</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Recommended for horses

How to join braid and tape

1. Separate metal strands
2. Tie braid/tape/poly together
3. Twist all metal strands together
Equine Fence Wire

- The safe permanent electric fencing solution, designed specifically for horses
- The smooth, large diameter coating is highly visible and significantly reduces risk of injury

Smooth large diameter coating is highly visible and significantly reduces risk of injury if horse makes contact with the fence.

Highly conductive polymer ensures power is maintained on long distances of fence.

Steel galvanised core for high impact strength and durability.

UV resistant white, stress crack resistant pipe grade polymer for high visibility and long life.

Wood Post Wide Jaw Claw Insulator

- Extra strength jaws to withstand significant fence tension and keep wires firmly in place
- Specifically designed wide jaws for Equine Fence Wire or Turbo Equine Braid

Delivers superior electrical performance, even under the highest voltages due to long leakage paths and protective shields.

Superior insulation with large heavy duty shield to prevent pulse arcing and reduce power leakage.

Tough, durable, highly visible and sun resistant – made from white UV stabilized polyethylene plastic.

Minimal high tensile wire corrosion as open face design reduces dust and algae.
Steel Post Topper

- Durable, UV stabilised polyethylene plastic
- Sits on top of existing post and houses a single wire
- Minimal high tensile wire corrosion with open face design
- Tough, durable and sun resistant, the Steel Post Topper is made from UV stabilised polyethylene plastic
- Specifically designed for equine fencing, the Steel Post Topper is placed on an existing steel post and houses a single electric wire, braid or Bayco sighter wire
- Minimal high tensile wire corrosion, with an open face design reducing dust and algae collection

Tough, durable and sun resistant, the Steel Post Topper is made from white UV stabilised polyethylene plastic making it highly visible.

Specifically designed for Equine fencing it can be placed atop an existing post and house a single electric wire, braid or Bayco sighter wire.

White polyethylene plastic ensures maximum visibility.

Minimal high tensile wire corrosion as open face design reduces dust and algae.
Retrofit / Offset electric fencing is an economical and easy-to-install option if you have an existing or new conventional, non-electric fence that needs to be protected. Brackets are fitted to the existing fence with an electrified wire that discourages animals from rubbing against the fence, thereby extending its life.
Live Tip Steel Post Offsets

Steel Post Live Tip Lockset Offset
SG200 160mm
SG201 260mm

Unique patented lockset design ensures a solid post attachment.

Double End Steel Post Live Tip Lockset Offset
SG202 160mm
SG203 260mm

Unique patented lockset design ensures a solid post attachment.

Wood Post Live Tip Offset
SG204 160mm
SG205 260mm

With an electrified tip and zero power leakage through the post, the Live Tip Offsets are an effective, new option for protecting existing fences.

Gallagher Westonfence Offset

Westonfence Leaning Offset
SG80200 660mm

4-Hole leaning offset Insulated Suspension Post (ISP) made from durable HDPE with precision drilled holes, spaced at 25, 200, 400 and 630mm.

Live Tip Offsets

Mounts to the wires on your existing conventional fence, enabling you to locate the electric wire anywhere on your fence line.

Fibreglass Offset
300mm (12’
G81210

For driving into a pre-drilled wood post.

Wire Mounted Offsets

Offset bracket (12”) with White Poly Pinlock Insulator
SG65915

Uses G66514 White Pinlock Offset Insulator. The brackets are made from high quality galvanised spring steel for extra strength and flexibility. A unique curl design on the legs gives good grip on all types of fencing including barbed wire and netting. Easy to attach. Maximum protection against shorting between offset bracket wire and line wire.

Offset Bracket (12” with Porcelain Reel)
SG6645

Brackets are made from high quality galvanised spring steel for extra strength and flexibility.

Offset bracket (12” “C” Clip with Porcelain Reel)
SG6646

Brackets are made from high quality galvanised spring steel for extra strength and flexibility. Wire secured behind porcelain reel with a wire ‘c’ clip.

Live Tip Offset

- Stop livestock damaging your offset electric fence with Live Tip Offsets
- Electrified tip – when wire comes in contact with end ring discourages stock from rubbing

Strong UV treated plastic gives long life and strength especially when used on rolling ground.
Quality insulator ensures no power leakage to post.
Reduce animal injury with no protruding parts.
High grade galvanised spring steel for strength and rust resistance.
Extra High Voltage Strain Insulator

Designed for high powered fencing systems and areas where insulation is critical. Insulation ribs provide 2 x the insulation performance of previous models. Refer to page 39 for details.

End Strain Insulators and Strainers

**High Strain Insulator Kit**
G61804

Simplest option for end strain insulation; use at one end on shorter fence lengths and add strainer G61803 on the other end or G64304 mid-fence. Fits up to 200mm/8" post.

**Strain Insulator**
G67704

Economical end strain insulation for fences with little stock pressure or semi-permanent setups.

**Insulated Wire Strainer Kit**
G61803

No wire tying, fast and simple. Includes all three end strain elements - insulator, strainer and steel rope. Simply slide over the post and you're done. Fits up to 200mm/8" post.

**Insulated Wire Strainer**
G74313

The design of the new insulated end strainer incorporates the ability to insulate, strain and connect the fence line all within the one component.

**Permanent Tension Spring**
G62500

A versatile product with in-built over-stretch protection. Use for fences with very short fence lines to maintain tension and to prevent excessive strain on end posts.

In line Strainers

**In line Wire Tightener**
G64304

Fits over wire for mid-fence straining, increasing effectiveness of strain by pulling from both directions. Ideal for tightening existing fences or trellising wires. Use with G64400 or G64500 tightener handle.

In line Strainers

**Wire and Braid**

<table>
<thead>
<tr>
<th>Voltage at start of fence</th>
<th>8kV</th>
<th>7.7kV</th>
<th>7.0kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>at 500m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>at 1km</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ohms/km</td>
<td>35</td>
<td>130</td>
<td></td>
</tr>
</tbody>
</table>

**Equine Fence Wire**
G91200 250m

7.7kV 7.5kV 35

**Turbo Equine Braid**
G62176

Highly conductive, designed for long distance semi-permanent and portable horse fencing. High visibility for safe horse control.

7.0kV 6.3kV 130

Clamps

**Joint Clamp**
G60355

Two options for clamping multiple high tensile wires in a secure electrical connection. Heavily galvanised for durability and long life.

**Heavy Duty Joint Clamp**
G60315

10 YEARS
Portable electric fences are easy to transport, assemble and take down, allowing flexible fencing for short-term animal control or rotational grazing. Tapes, Wires and Braids are used on portable electric fences as they are light, highly visible and easy to wind.
Portable fencing conductors

**Type**
Tape, wire or braid – depending on your fencing application you may want tape (high visibility) or braid (large diameter, woven product for better shock delivery and easier handling) or standard wire.

**Unique Design**
The Gallagher difference for longer life and maximum effectiveness.

**Mixed Metals**
A balance of stainless steel and copper for maximum conductivity and long life.

**Conductivity**
How much power and how far it’s carried – the table below lists the most conductive product within each group first and compares voltage changes based on an animal (500 ohms load) touching the fence.

**Patented Interconnecting wire**
Regularly links all conducting wires, bypassing any broken wires to prevent power loss.

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Image</th>
<th>Voltage at beginning of fence</th>
<th>500m fence</th>
<th>1km fence</th>
<th>Resistance (Ohms/km)</th>
<th>Mixed Metals*</th>
<th>Inter-connect*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Braid, Wire, Rope</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Turbo Braid 2.5mm</td>
<td><img src="Turbo_Braid_2.5mm.png" alt="Image" /></td>
<td>8kV</td>
<td>7.3kV</td>
<td>6.7kV</td>
<td>95</td>
<td>✓</td>
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<tr>
<td>SG81138 800m</td>
<td></td>
<td>Only on Pre-Wound Reel</td>
<td></td>
<td></td>
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<tr>
<td>Turbo Equi Braid 5mm</td>
<td><img src="Turbo_Equi_Braid_5mm.png" alt="Image" /></td>
<td>8kV</td>
<td>7.1kV</td>
<td>6.5kV</td>
<td>125</td>
<td>✓</td>
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</tr>
<tr>
<td>G62174 200m</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>G62176 400m</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Turbo Wire 9 Strand</td>
<td><img src="Turbo_Wire_9_Strand.png" alt="Image" /></td>
<td>8kV</td>
<td>7kV</td>
<td>6.3kV</td>
<td>130</td>
<td>✓</td>
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<tr>
<td>G62056 400m</td>
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<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>3.5mm Turbo Braid</td>
<td><img src="3.5mm_Turbo_Braid.png" alt="Image" /></td>
<td>7.9kV</td>
<td>7.5kV</td>
<td>7.1kV</td>
<td>130</td>
<td>✓</td>
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<tr>
<td>SGB2154 200m</td>
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<td></td>
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<tr>
<td>SGB2156 400m</td>
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<td>SGB2159 535m</td>
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<tr>
<td>1.5mm Poly Braid</td>
<td><img src="1.5mm_Poly_Braid.png" alt="Image" /></td>
<td>8kV</td>
<td>1.1kV</td>
<td>0.6kV</td>
<td>6000</td>
<td></td>
<td>✓</td>
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<td>SGB2107 500m</td>
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<td>SGB2104 200m</td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>12mm Tape</strong></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>12mm Heavy Duty PolyTape*</td>
<td><img src="12mm_PolyTape.png" alt="Image" /></td>
<td>8kV</td>
<td>1.7kV</td>
<td>1.0kV</td>
<td>4250</td>
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</tr>
<tr>
<td>SG82366 400m</td>
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</tr>
<tr>
<td><strong>12.5mm Tape</strong></td>
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<tr>
<td>12.5mm Turbo Tape</td>
<td><img src="12.5mm_Turbo_Tape.png" alt="Image" /></td>
<td>8kV</td>
<td>6.4kV</td>
<td>5.3kV</td>
<td>250</td>
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<td>G62354 200m</td>
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</tr>
<tr>
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<td>8kV</td>
<td>0.84kV</td>
<td>0.45kV</td>
<td>8500</td>
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<tr>
<td>G62304 White 200m</td>
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<td>G62314 Orange 200m</td>
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<tr>
<td><strong>40mm Tape</strong></td>
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<tr>
<td>40mm Turbo Tape*</td>
<td><img src="40mm_Turbo_Tape.png" alt="Image" /></td>
<td>8kV</td>
<td>6.4kV</td>
<td>5.4kV</td>
<td>145</td>
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<td>✓</td>
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<td>G62454 200m</td>
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<tr>
<td>40mm PolyTape*</td>
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<td>8kV</td>
<td>2.3kV</td>
<td>1.4kV</td>
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<td>✓</td>
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<td>SG62403 100m</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

* Recommended for horses

**How to join braid and tape**

1. Separate metal strands
2. Tie braid/tape/poly together
3. Twist all metal strands together
### Geared Reels

**Medium Geared Reel with transport lock**
G61150
Most popular option for fast winding (3:1) on standard length portable fences. Carry handle with knuckle guard to protect hands. Locking ratchet and long crank arm for better leverage.

**Capacity for:**
- 500m Polywire
- 200m 12.5mm Tape
- 200m Turbo Braid

See page 57 for more detail.

**Large Geared Reel**
G63150
Larger capacity for bigger paddocks.

**Capacity for:**
- 400m Turbo Braid
- 400m Turbo Tape/Poly Tape
- 1000m Turbo Wire

### Power Connectors

UV resistant leads to connect a portable fence to a permanent fence.

**Single Reel Lead Connector**
G63400

**Multi Reel Lead Connector**
G63450

### All in one Portable Fences

**Smart Fence 2**
G70000
A quicker and easier all-in-one instant fence system, the Smart Fence redefines portable fencing.

See page 57 for more detail.

### Posts (all heights are from the foot)

#### Pigtail and Ring Top Posts

**Ring Top Post**
G725313 - 850mm
A super strong design that prevents shocks and tangling. It’s wear proof, tangle proof and stomp proof.

**Standard Pigtail**
G64253 - 850mm
Ideal for softer ground. The welded foot design reduces tangling.

**Heavy Duty Spring Steel Pigtail**
SG54000 - 950mm
Heavy duty post made from 11mm diameter steel rod. Ideal for hard ground.

**Heavy Duty Live Tip**
SG300 - 860mm
Live tip prevents animals from touching or rubbing on treading. Can be used with additional insulator (SG301).

### Non Geared Reels

**Economy Reel**
G61600
Capacity:
- 500m Poly Wire
- 200m 12.5mm Tape
- 200m Turbo Braid

**Small Reel**
G63030
Capacity:
- 200m Poly Wire

### Reel accessories

**Reel Stand**
900mm 1-3 reels G63300
Rust resistant steel, tread-in post for holding multiple reels for strip grazing and temporary fencing. Includes chain for securing to a post.

**Multi-wire Treadins**

**Steel**
G64253 - 875mm
G64263 - 1500mm
For sturdy placement that won’t deflect on corners and replaceable insulators for longer life. Taller option suitable for deer and horses.

**Plastic**
G63705 - 880mm
G63604 - 1370mm (Heavy Duty - Horse version)
Unique “twist and lock” design for easy fence wire installation. Extendable option ideal for horses.
Geared Reel

- Built to last, the Standard Geared Reel is hardwearing and easy to use
- Practical features such as a transport lock and heavy duty gearbox for simple fence set up

Heavy duty gearbox for easy winding and 3:1 gear ratio for easy wind in and out.

Large hook with transport lock for easy, secure attachment to bike or fence wire.

Fully galvanised frame and white high impact hub for durability in tough Australian farming conditions.

Impact resistant reel guide for tangle free operation and long crank arm for better leverage.

Smart Fence 2

- A quicker and easier all-in-one instant fence system, the Smart Fence redefines portable fencing
- Effective Stock Barrier – four 100m long wires make an effective stock barrier
- 3 x 100m Poly Braid + 1 x 100m Turbo Braid

Easy to use, install or remove in under five minutes.

A patented self-tensioning system prevents tangling during set-up or pack-up.

A unique multi-reel housing system provides compact storage of four 100m reels.

The Reel Drive System enables four wires to be independently tensioned by simply turning the crank handle.
**S10 Portable Solar Energizer**

- Multi-wire distance ideal conditions: 1km
- Multi-wire distance typical Aus conditions: 0.3km
- Output energy (Joules): 0.08
- Dimensions: 170mm (w) × 245mm (h)
- Includes Battery and Lead Set

The Energizer will continue to work for up to 3 weeks without sun. Can be set up easily in any location and moved about for strip grazing and better pasture management. Water resistant case with built-in lightning protection - designed to be left outside and keep stock contained even in rain or hail.

**Ring Top Post**

- 35% faster to pull from a bundle than standard pigtails
- The Ring Top Post combines more strength with less frustration

Unique head centred over shaft with no protrusions or trapping points to significantly reduce tangling. Eliminate shorting and prevent wear through with super tough over-moulded GF nylon head and no metal in the post head. Blade design prevents rotation and helps installation in hard ground as well as minimising tangling points. Flat section holds wire/tape down when crossing fence. Tough, over-moulded GF nylon foot design will not bend or deform. Can withstand 200kg of pressure.
Exclusion Fencing

There are three main types of electric fencing for the exclusion of wild and feral animals recommended by Gallagher: plain wire fencing using steel posts and insulators; fitting 'offset' electrified wires to an existing prefabricated or plain wire fence; or a purpose-built Gallagher Westonfence.
Exclusion Fencing

There are three main types of electric fencing for the exclusion of wild and feral animals recommended by Gallagher: plain wire fencing using steel posts and insulators; fitting ‘offset’ electrified wires to an existing prefabricated or plain wire fence; or a purpose-built Gallagher Westonfence. Each system has its merits depending on your existing fences and type of pressure your fence is expected to face.

For the most effective electric fence, no matter the design, we recommend an earth return system (see page 32) powered by an appropriately sized and monitored Energizer (see page 7).

There are several options for fence designs, depending on what you are trying to achieve. We recommend you speak to your Gallagher Territory Manager for advice on the best most cost-effective option for you.

Retro Fitted ‘Offsets’

Offsets can be fitted to an existing fence to extend it’s life or repurpose it into an exclusion fence. They are quick and easy to install and are an extremely cost-effective way to protect or extend the life of an existing fence. There are two types of offset fencing:

**Leaning Offset**
A leaning or sloping offset runs back towards the fence at a 45° angle. It usually has 2 or 3 electrified wires and prevents animals from pushing or burrowing through your fence.
- Turns a conventional fence into an exclusion fence
- Protects and prolongs the life of your existing fence
- Cost effective and low maintenance exclusion fence

**Outrigger Offsets**
- Outrigger Offsets are attached to the fence at 90° and strategically placed where additional protection is sought (e.g. at snout level to prevent pushing on base of fence to prevent burrowing)
- Unique live tip discourages animals from touching/rubbing outrigger
- Strong and durable spring steel with robust ‘lockset’ design ensures solid attachment to post
- Turns a conventional fence into an electric exclusion fence whilst protecting your existing fence
Westonfence

Our Gallagher Westonfence system is centred on the use of high-density polyethylene (HDPE) Insulated Suspension Posts (ISP) and high-tensile fastening spring clips. It comes in a variety of post heights including a leaning offset and a purpose designed exclusion system with alternating height posts.

- Low cost and easy to construct, a significant quicker and easier to construct than conventional fencing
- A proven, successful system for the exclusion of kangaroos, wild dogs, pigs and deer
- Unique suspension fence system minimises requirements for fence maintenance

See page 43 for our full range of Westonfence.

Permanent Exclusion Electric Fence

A purpose-built Gallagher electric fence designed to exclude feral animals using steel posts, porcelain reel or Heavy Duty HDPE pinlock insulators and plain wire to form an extremely effective exclusion fence. Running your electrified wires closer together and nearer to the ground, partnered with a strong performing energizer will prevent most animals from penetrating a fence.

- Cost effective solution for exclusion fencing. Requires significantly less materials than conventional fencing
- Proven success in most applications, partnered with 10 year warranty on components
- Paired with appropriately sized and monitored energizer, a purpose built electrified exclusion fence will stop animals in their tracks
When adding gates to your permanent electric fence system, choosing high-conductive, under-gate cable will ensure maximum power transfer between the two fence sections. Electrifying a temporary gateway with a Gallagher Electric Gate makes getting around the farm easy.
Gate Accessories

<table>
<thead>
<tr>
<th>Double Insulated Cable for undergate power transfer</th>
<th>Single Strand Kits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage of fence with 8kV at 0.5km</strong></td>
<td>All Gallagher gate kits include a high visibility flag.</td>
</tr>
<tr>
<td><strong>High Conductive Cable 2.5mm</strong></td>
<td>Electric Bunge Gate</td>
</tr>
<tr>
<td>G62792 50m</td>
<td>G64050 3.5–7m</td>
</tr>
<tr>
<td>G62793 100m</td>
<td>G64051 5.5–11m</td>
</tr>
<tr>
<td>G62794 200m</td>
<td>7.4kV</td>
</tr>
<tr>
<td>G62796 400m</td>
<td></td>
</tr>
<tr>
<td><strong>Double Insulated Hard Cable 2.5mm</strong></td>
<td>Electric High Visibility Spring Gate</td>
</tr>
<tr>
<td>G62703 100m</td>
<td>G64010</td>
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<tr>
<td>G62706 400m</td>
<td>6.5kV</td>
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<tr>
<td><strong>Double Insulated Soft Cable 2.5mm</strong></td>
<td>Electric Galvanised Spring Gate</td>
</tr>
<tr>
<td>G62711 25m</td>
<td>G64000</td>
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<tr>
<td>G62719 60m</td>
<td>6.5kV</td>
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<td>G62713 100m</td>
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<tr>
<td>G62716 400m</td>
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<tr>
<td><strong>Double Insulated Cable 1.6mm not recommended for under gate cable.</strong></td>
<td></td>
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<tr>
<td><strong>Double Insulated Soft Cable Dual Strand</strong></td>
<td>Electric Gate Kit</td>
</tr>
<tr>
<td>G62731 30m</td>
<td>G64100</td>
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<tr>
<td>G62732 70m</td>
<td>6.5kV</td>
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<tr>
<td><strong>Calculations based on a heavy fence load (70 ohms).</strong></td>
<td>Drive Through Electric Gate</td>
</tr>
<tr>
<td><strong>Clamps</strong></td>
<td>Hardware: G71100</td>
</tr>
<tr>
<td>Two options for clamping multiple high tensile wires in a secure electrical connection. Dedicated option for thicker cyber wire/cable.</td>
<td>Rods:</td>
</tr>
<tr>
<td>Joint Clamp</td>
<td>G71104 1.20m/4ft</td>
</tr>
<tr>
<td>G60355</td>
<td>G71112 3.66m/12ft</td>
</tr>
<tr>
<td></td>
<td>G71114 4.27m/14ft</td>
</tr>
<tr>
<td></td>
<td>G71116 4.88m/16ft</td>
</tr>
<tr>
<td><strong>Electric Gate Handles</strong></td>
<td><strong>Electric Gate Kit</strong></td>
</tr>
<tr>
<td>Rubber Grip Gate Handle</td>
<td>G64110</td>
</tr>
<tr>
<td>G69603 (for Tape)</td>
<td>20 pack/G64110 6 pack</td>
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<tr>
<td></td>
<td><strong>Electric Gate Kit</strong></td>
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<tr>
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<td>G64110</td>
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<tr>
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<td>60 pack/G64110 20 pack</td>
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<tr>
<td><strong>Heavy Duty Gate Handle</strong></td>
<td><strong>Electric Gate Kit</strong></td>
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<tr>
<td>G63930</td>
<td>G64110</td>
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<td>100 pack/G64110 40 pack</td>
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<td>G64110</td>
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<td><strong>Compression Spring Gate Handle</strong></td>
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<td>G62952</td>
<td>G64110</td>
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<td><strong>Insulated Handle</strong></td>
<td><strong>Electric Gate Kit</strong></td>
</tr>
<tr>
<td>G73730 20 pack/G73732 6 pack</td>
<td>G64110</td>
</tr>
<tr>
<td></td>
<td>60 pack/G64110 20 pack</td>
</tr>
<tr>
<td><strong>Dual Purpose Handle</strong></td>
<td><strong>Electric Gate Kit</strong></td>
</tr>
<tr>
<td>G73830 20 pack/G73832 6 pack</td>
<td>G64110</td>
</tr>
<tr>
<td></td>
<td>100 pack/G64110 40 pack</td>
</tr>
</tbody>
</table>

*Gallagher.com*
### Electric Gate Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood Post 3-Way Gate Anchor G64902</td>
<td>Super strong live anchor for up to three gates coming to a junction. Ideal for use in gateway systems at the intersection of multiple paddocks.</td>
</tr>
<tr>
<td>Bungy Cord Roll G89106 50m</td>
<td>Bungy cord stretches to twice its length and is ideal for making highly visible electric gates, particularly on/off laneways. Made with stainless steel strands for maximum life and electrification.</td>
</tr>
<tr>
<td>Tape Joiner G65203</td>
<td>Tidy, secure mechanical and electrical connection for 40mm horse tape fences.</td>
</tr>
<tr>
<td>Tape Gate End Joiner G65205</td>
<td>Spare part for Electric Gate Kit (G64110) and Electric Tape Gate (G64100).</td>
</tr>
<tr>
<td>Bungy Cord Joiner SG89107</td>
<td>Simple, super strong way to join bungy cord.</td>
</tr>
</tbody>
</table>

### Fence Tools and Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fencing Plier and Wire Cutters G52200</td>
<td>Specifically designed for cutting, stripping and bending electric fence wire with minimum wire damage.</td>
</tr>
<tr>
<td>Pliers SG52212 (12&quot;) SG52210 (10&quot;)</td>
<td>Designed for cutting, gripping and manipulating components and wires commonly used in fencing and farming applications. 10” plier includes pouch.</td>
</tr>
<tr>
<td>Parrot Beak Pliers SG52211</td>
<td>Designed for cutting, crimping, swaging, hammering and gripping wire and staples commonly found in fencing and farming applications.</td>
</tr>
<tr>
<td>Knipex Wire Cutters Comfort grip handle G52230</td>
<td>Pliers with comfort grip handle and micro-structured cutting edge that allows for easy cutting of large cross-sections, offering improved cutting performance.</td>
</tr>
<tr>
<td>Fibreglass Drive Cap G84700</td>
<td>Protects fibreglass post when driving with a hammer.</td>
</tr>
<tr>
<td>Ratchet Wire Tightening Tool G64500</td>
<td>Rapid wire tightener handle with super smooth ratchet action, to be used with Gallagher in-line wire strainers (G64304).</td>
</tr>
<tr>
<td>Wire Twisting Tool G52300</td>
<td>Ideal for installing clips on posts and droppers.</td>
</tr>
<tr>
<td>Polycrimps G61304</td>
<td>Non-rusting, long life crimp that joins 5mm Turbo Rope - simply compress with appropriate tool.</td>
</tr>
<tr>
<td>Warning Sign G602000</td>
<td>A highly visible sign that warns that a fence is electrified. Required by law, to be used on boundaries and anywhere else public have access to a fence.</td>
</tr>
<tr>
<td>Tie Fast Clip SG70100</td>
<td>For fastening wire to a steel post. Use with wire twisting tool (G52300).</td>
</tr>
</tbody>
</table>
Rubber Grip Gate Handle

- Two attachment options: die cast buckle for Tape; steel loop for Rope/Bungy Cord/Braid/Wire
- Steel restrainer plate prevents the spring from overstretching
- UV resistant materials
- Unique comfortable rubber grip

Multi Strand Electric Tape Gates

- A low cost, compact, all-in-one permanent electrified gate option for practically any width gateway, that’s easy to use and quick to assemble. Comes with mounting hardware and 12.5mm tape
- Quick and easy to install – simply attach to existing gate posts using supplied mounting hardware

Flexible Tape Length up to 8m on two strand and up to 6m on four strand. Easy to repair if one stand breaks, simply change out tape.

Live Gate Hook Connects gate handle to gate post and electrifies gate when closed, disconnects power when opened.

The Foot Staple is used to hold lower end of gate handle to gate post when closed.

Tension Springs avoid over tightening and maintains tape tension when closed.
Gallagher offer a range of gate hardware manufactured to strict guidelines for strength and durability. They have a good practical design to ensure they are easy to use in the field. An enhanced electroplating process delivers improved corrosion resistance.
## Individual Components

### Gudgeons
- GG0042 Lock through Gudgeon 16/250
- GG0043 Lock through Gudgeon 16/400
- GG0045 Lock through Gudgeon 20/275
- GG0046 Lock through Gudgeon 20/350
- GG0047 Lock through Gudgeon 20/425
- GG0048 Lock through Gudgeon 20/425
  * Includes cone to increase pin width to 32mm

### Gudgeon Brackets
- GG0243 20mm L Gudgeon Bracket
- GG0244 25mm L Gudgeon Bracket
- GG0245 20mm Angle Gudgeon Bracket
- GG0246 25mm Angle Gudgeon Bracket

### Straps and Saddles
- GG0073 Top Strap 25mm 16/275mm
- GG0064 Top Strap 25mm 16/400mm
- GG0063 Top Strap 32mm 20/275mm
- GG0079 Top Strap 32mm 20/400mm
- GG0066 20mm Saddle
- GG0067 25mm Saddle
- GG0068 32mm Saddle
- GG0069 38mm Saddle

### Weld On Sockets and Pins
- GG0081 Weld on Socket 16mm
- GG0084 HD Weld on Socket 20mm
- GG0091 Weld on pin 16/41mm
- GG0094 HD Weld on Pin 20mm

### Backing Plate and Cones
- GG0070 25mm Backing Plate
- GG0071 32mm Backing Plate
- GG0072 38mm Backing Plate
- GG5104 16/25mm Plastic Cone
- GG5105 20/25mm Plastic Cone
- GG5106 20/32mm Plastic Cone
- GG5107 20/38mm Plastic Cone

## HingeStraps
- GG0124 16/225mm
- GG0125 16/300mm
- GG0131 Heavy Duty 20/300mm
- GG0132 Heavy Duty 20/375mm
- GG0133 Heavy Duty 20/450mm
- GG0134 / Heavy Duty 20/600mm

### Gate Fastner
- GG0202 JP long chain incl. 2 staples
- GG0204 LP spring with long chain
- GG0205 JP screw fastener
- GG0208 Double gate fastener for 25mm Gate
- GG0209 Double gate fastener for 32mm Gate

## Gate Sets

### Based on your selected gate and strainer size, select a gate set below to suit.

1. Choose Timber, Steel or Concrete posts
2. Identify diameter and length of posts and gate

#### Economy Gate Sets - for small pedestrian style gates
- GG0190 Economy Gate Set inc. 25mm saddle, 25mm “L” bracket

#### Field Gate Sets – for steel posts
- GG0198 Weld On Gate Pack inc. Socket, Pin and long chain

#### Field Gate Sets – for timber posts
- GG0189 16/25 – 275mm post
- GG0191 16/25 – 400mm post
- GG01926 Economy Gate Set
- GG0194 16/25 – 400mm post suits 25mm nominal bore gate
- GG0195 16/25 – 400mm post suits 32mm nominal bore gate

#### Field Gate Sets – for concrete posts
- GG0196 Concrete Post Set Standard Gate 25mm
- GG01962 Concrete Post Set Violet Town Post 25mm
Water Monitoring

A complete, simple solution for monitoring and managing tank water and other fluids. Very easy to operate and install, the system provides peace of mind that there is water available, helps prevent water outages before they occur and ensures you gain maximum efficiency in water monitoring and usage.

How the system works

The system works by accurately measuring the liquid level in the tank based on pressure, and sends this information wirelessly via the Tank Unit to the Display Unit.

Wireless pump functionality can be achieved by adding a Wireless Pump Controller to the system, allowing the farmer to remotely control their pump to ensure tank levels are maintained as required.

The Display Unit shows in an instant how much liquid is left in the tank, saving time by eliminating the need to visit the tank/water source. It can be placed in a convenient location on the farm ensuring all staff can check the water status.

The system’s range can be extended with the use of Ultra-Long Range Antenna.
One Tank System Display Unit

- Shows tank information at a glance
- Desktop or Wall Mount options available
- Used to set up and control the Wireless Pump controller
- Up to nine Tank Units can be monitored via one Display Unit
- Sold separately or as part of a Tank Starter Kit

The display unit shows tank information at a glance. Both tank levels and alerts are displayed, enabling you to detect and repair water supply issues before they become a problem.

A complete, simple solution for the monitoring and management of tank water and other fluids.

Easy-to-operate, high resolution, 2.8” colour touchscreen display.

Tank Unit Kit

**Tank Unit**
- Transmits the data measured by the sensor to the display unit. Up to 8 additional Tank Units can be connected to one Display
- Solar powered – no need to change batteries
- High performance, multi-directional antenna up to 4km line of sight (can be upgraded to increase range up to 10km

**Level Sensor**
- Measures liquid level in the tank
- Measures liquids including effluent ponds, liquid fertilisers and mollases
- Super high quality Marine Grade (316) stainless steel construction
- Ruggedised polyethylene cable
- Precision locking waterproof connector
- Automatic callibration
- 4m cable (other cable length options available) suits maximum tank depth of 3.2m

Antenna

**Directional Long Range Antenna**
- 10km G98501/5km G98503
- Single direction antennas send/receive signals to/from a single monitored location
- Made from high quality weather resistant materials
- Increases range up to 10km

**Wireless Pump Controller**
- Enables you to remotely control your pump - ensuring tank levels are maintained as needed
- Automatic control using wirelessly transmitted tank level readings
- Alternatively can be used as a simple, manually activated wireless control system
- One pump controller per system supported

gallagher.com
Antenna options

Gallagher offer a number of antennae systems for farmers that need to increase the read range of their Wireless Water Monitoring System.

Use these pages to find the answers to common challenges like:

- Longer distances between monitoring location and tanks
- Multiple tank monitoring
- Line of sight issues between monitor and tanks

**Step 1**

Use the diagrams below to find the setup that most closely resembles the challenge from **A to D**

**Line of sight**

Maximum range is 4km, if there is genuine line of sight. Anything in the way (e.g. hills/trees/buildings/vehicles/walls) will reduce distance.

- To extend range up to 10km, use a Directional Long Range Antenna at both ends - antenna must be directly pointing to far location.

**No line of sight**

If there is no line of sight, to provide a stronger radio signal it is often beneficial to install an Active Repeater on a hill top. Choose a location that has clear line of sight to the source and the destination (tank and the farm house/pump shed).

- Only one repeater can be used in a system (not designed to be daisy chained)
- Needs to face north so that the solar panel can keep the battery charged.

---

**A 1 tank**

**B 2 + tanks**

**C 1 tank**

**D Further range extension**
Antenna options

Step 2
Then use the product list below to determine the products needed for the system: 1–9

Multi Direction Antenna Systems for B
Multi directional antennae send/receive signals to/from multiple monitored locations and base display unit.

1 High Power External Multi Directional Antenna (Up to 6km) G98507
A long life weatherproof antenna designed to be mounted externally to maximise the range and reception. Comes complete with brackets and hardware.

2 Cable (Up to 10m) (For use with 1)
G98604 (4m) G98605 (10m)
Multi directional with SMA-male to N-female gold plated connectors.

Single Direction Antenna Systems for A, B, D
Single direction antennae send/receive signals to/from a single monitored location.

4 Directional Ultra Long Range Antenna
10km G98501/5km G98503
Made from the highest quality weather resistant materials, this high performance antenna maximises range to a single location.

5 Cable (For use with 4)
G98602 (4m) G98603 (10m)
Directional Ultra Long Range High Performance low loss RG58U cable with SMA-male to SMA-male, gold plated connectors.

Active Repeater for C
Active Repeater G98513
Can be utilised to carry the signal over an obstacle preventing line of sight. Only 1 Active Repeater can be used per Water Monitoring System.

Additional Antenna and cabling accessories
Additional antenna and cabling accessories for use in other scenarios where radio signal requires boosting.

0.5m Cable G98601 (For use with 1)
Shorter length to ensure minimal signal loss between antenna.

Cable splitter G98701
For use in systems that require two Directional Antenna - splits the transmission signal in half.

External Multi Directional Antenna (Up to 4km) G98505
External mounted option for standard distance installations that require improved reception to the base unit, especially useful for corrugated iron pump sheds.

Wall Mount Adaptor G98017
For use with Wall Mount Display Units to connect to Antenna cable.
FlashMate electronic heat detector makes accurate heat detection easy and improves 6 week in-calf rates. Easily applied, FlashMate detects multiple heats with high retention.

“We picked up at least 10% more cows for AI using FlashMate than we would have if we just relied on the tail paint”

Will McDonald Bouldrewood Dairies, Bessiebelle, Victoria
Accurate monitoring of standing heat is a critical factor for achieving 6 week in calf targets.

- Easy application - units are extremely easy to apply and maintain
- Detects multiple heats - units flash red again for the next detected heat cycle if AI has failed
- High retention - as a result of research into the best place for application, units can typically be retained throughout the mating season*
- Improved accuracy - smarter detection, looking for patterns (length, time, frequency) rather than what could be a single event
- Operates 24/7 - looks for spikes in contact activity, as a large percentage of mounting activity happens at night
- Low experience required - needs significantly less understanding and skill in correctly identifying heats, yet achieves what the best human operators are capable of – anyone can do it, allowing time off during the mating season for experienced personnel

* Recommended maintenance due to spring hair regrowth – simple lifting of loose devices and re-spraying with glue to re-stick every 14 days.

FlashMate Heat Detector
96 Pack 004050
Includes 8 x 12 unit sheets, 4 x tins of glue plus a lanyard and instructions.

FlashMate Heat Detector
24 Pack 004051
Includes 2 x 12 unit sheets, 1 x tin of glue plus a lanyard and instructions.

How to apply FlashMate
Based on hundreds of hours of research, the technology inside FlashMate looks for specific patterns of riding activity such as frequency, number and length.

Step 1
Brush animals three days prior to application to remove loose hair, dried animal waste or dust etc.

Step 2
Apply glue in a circular patch slightly larger than the device and thick enough to penetrate the hair. Leave glue for a few minutes to become tacky.

Step 3
Peel and stick each Flashmate to the now tacky glue patch, pushing down firmly with the fingers.

How the system works

Heat Pattern Detected
Flashes red
FlashMate flashes red for 26 hours once the right heat activity pattern is detected to indicate the cow is ready for artificial insemination.

No Subsequent Heat Pattern - Flashes green*
If the same cow returns to heat again FlashMate will again flash red. Once AI’d, if the same cow does not come back into heat within 25 days, FlashMate will flash green to indicate possible conception.

Subsequent Heat Pattern
Flashes red*
If the same cow returns to heat again FlashMate will again flash red.

* FlashMate is a registered trademark of Farmshed Labs Ltd.
Why Weigh with EID?

A weighing and EID system saves both time and money by automating animal management and handling tasks. Teaming weighing with EID provides further opportunities for farmers to deliver on traceability legislative requirements and manage their business more profitably.

Some advantages of using a weighing and EID system:

Yard management
- Reduced time and effort – equipment reads fast and efficiently, automatically matching weight to animal ID number
- Improved accuracy – remove human error and prevent incomplete or inaccurate records
- Improved access to animal information – see full weight history for actual animal in the crush

Stock value improvement
- Identify the poor performers – treat, allocate to different feeding group or quit early
- Accurate drenching levels – maximise treatment efficiency and minimise treatment costs
- Meet the market required weight range – choose an accurate selection of animals based on weight to maximise profit

Why Weigh?

Weighing is a powerful performance measurement tool for farmers, as informed management decisions come from animal weight data that is easily obtained and accurate.

The benefits of weighing animals include:
- Measure feed conversion to maximise yield by monitoring weight gain over time
- Monitor animal health
- Reach animal weights prior to mating for better reproduction rates
- Determine weaning weights
- Select animals by weight for sale and slaughter
- Evaluate animal breeding performance for genetic selection

With 80 years of experience in the farming industry and a reputation for ground breaking innovations in animal management, Gallagher also leads the way in weighing and EID solutions – offering a full range of animal weighing, data collection and EID systems.

See our weighing and EID brochure for our full range of weighing, drafting, handling and data management equipment.
The Gallagher range

**TSi 2**
G01901
Integrated touch screen weigh scale, computer and animal management system. The TSi 2 provides immediate access to detailed animal information, anywhere, at any time – in the yard, the office or on the farm.

**TW-3**
G02603
Advanced EID compatible, simple-to-operate, touch screen weigh scale and data collector. Allows you to record and draft by life data and traits.

**TW-1**
G02601
Entry level, EID compatible, simple-to-operate, touch screen weigh scale. Allows you to draft by weight and record animal notes.

**W310v2**
G01305
Entry level automatic weigh scale with basic drafting capability.

**W210**
G01205
Entry level weigh scale.

**HR5v2**
G03303
With its large colour screen and alpha numeric keyboard, the HR5 Hand Held EID Tag Reader is the most powerful portable data collection and editing platform available, providing flexibility in the yard.

**HR4v2**
G03302
Gallagher HR4 Hand Held EID Tag Readers are the perfect tool for portable EID data collection. Easy recording of pre-defined animal data against EID tag numbers.

**Dashboard**
Holds one version of the truth about your animals, backed up in the cloud and available on all your devices, anywhere you are. Dashboard makes it easy to share and sync all the information between all of your devices, however you want to collect, review and use your animal information.

**Loadbars and Platforms**
A full range available for any weighing set up.