



Animal Management Solutions for Producers

Electric Fencing, Livestock Weighing, EID, Data Management
& Miraco Watering System Catalog



COVER:

THE M10000I FENCE ENERGIZER WILL DELIVER MORE POWER THAN ANY OTHER ENERGIZER AVAILABLE IN THE WORLD.

See for yourself innovative products like the i Series Fence Energizer System - the fence that can't keep a secret! (page 6)



Producers know that when they purchase a Gallagher product, it comes with a heritage of quality and innovation that has made Gallagher the #1 selling brand of quality animal management products in the world, since 1938.

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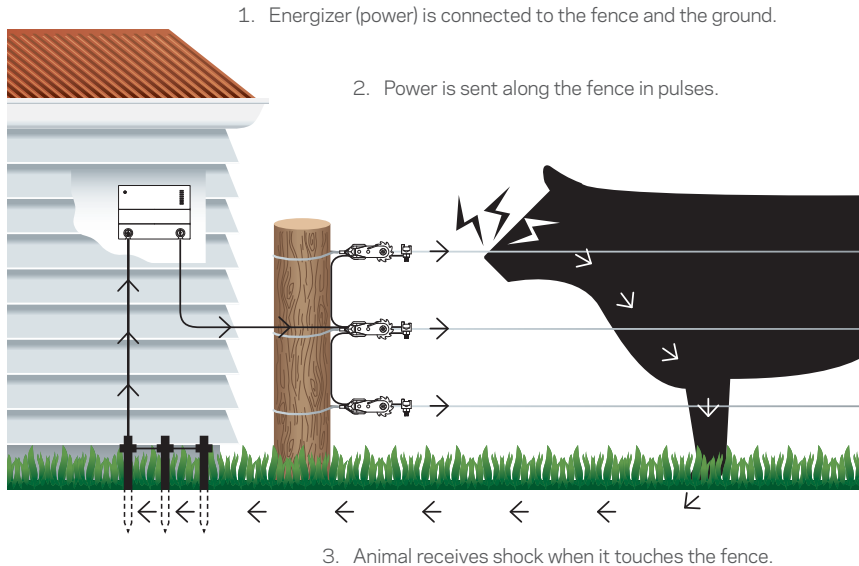
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4 Electric Fencing Basics

How Electric Fencing Works

A short, safe and memorable shock to create a psychological as well as a physical barrier.



PROFITABLE

Maximize pasture growth, minimize feed costs

SAFE

Animals remember and develop a respect for the fence

DURABLE

Stock pressure on your fence is reduced so it lasts longer

EASY TO INSTALL

Less than half the time to build vs a non-electric fence

ECONOMICAL

Costs less to build and maintain than a non-electric fence

Getting Started

Every electric fence system is made up of an Energizer, a grounding system and a fence system. Selection of these systems depends on property size, fencing usage and animal type.

1) What animals do you want to keep in or out? (See Gallagher Energizer Chart page 5)

2) Total area to be fenced (See Gallagher Energizer Chart page 5)

3) What power source will you use for your Energizer?

Gallagher 110 volt Energizers are the best and most economical choice for areas where you have reliable power. Solar/Battery or Solar powered Energizers are the most logical for remote areas.

4) Do you need a permanent, offset or temporary/portable fence?

- **Permanent:** Long life, permanent electric fences for highly effective animal control that lasts a lifetime.
- **Offset:** Protect and extend the life of an existing conventional non-electric fence by adding electric wire(s).
- **Temporary/Portable:** Easy to transport, assemble and take down allowing flexible fencing for short-term animal control or rotational grazing.

3 Year Warranty on All Energizers

All Gallagher Energizers purchased on or after January 1, 2018 carry a 3 year warranty (including lightning damage), in addition to a 30-day money back customer satisfaction guarantee. Energizers purchased prior to January 1, 2018 carry a 2 year warranty (including lightning protection).

Energizer Selection Chart 5

	ENERGIZER	STORED JOULES	'UP TO' DISTANCE CLEAN FENCE (MILES/ACRES)	RECOMMENDED DISTANCE TYPICAL FENCE (MILES/ACRES)	I SERIES ADDED FEATURES	LIVESTOCK CONTROLLED
PLUG-IN	M10000i	100.0	1,000 / 6,000	125 / 3,000	▪	
	M5800i	58.0	430 / 2,700	87 / 2,200	▪	
	M1500	15.0	160 / 900	40 / 360		
	M1100	11.0	110 / 650	36 / 280		
	M800	8.0	90 / 520	30 / 200		
	M560	5.6	75 / 400	23 / 130		
	M360	3.6	55 / 250	19 / 95		
	M160	1.6	30 / 100	11 / 60		
	M120	1.2	15 / 60	6 / 30		
	M60	0.6	10 / 40	3 / 20		
	M30	0.3	5 / 20	2 / 10		
	M10	0.1	2 / 10	0.5 / 3		
MULTI POWER	MB2800i	28.0	250 / 1,500	50 / 1,000	▪	
	MB1800i	18.0	200 / 1,200	42 / 420	▪	
	MB1000	10.0	100 / 600	34 / 250		
	MBS800	8.0	90 / 520	30 / 200		
	MBS400	4.0	60 / 280	20 / 120		
	MBS200	2.0	45 / 160	14 / 90		
	MB150	1.5	30 / 100	11 / 60		
BATTERY	B60	0.6	15 / 60	5 / 40		
	B11	0.11	4 / 20	0.6 / 6		
	B10	0.1	4 / 20	0.6 / 6		
ALL IN ONE SOLAR	S400	4.0	60 / 280	20 / 120		
	S200	2.0	45 / 160	14 / 90		
	S100	1.0	30 / 100	8 / 60		
	S40	0.4	25 / 80	5 / 30		
	S20	0.20	12 / 40	2 / 14		
	S16	0.16	10 / 30	1 / 10		
	S10	0.1	3 / 15	0.5 / 5		

Table is a guide only.

6 Plug-in, 110 Volt Energizers

A 110V Energizer System is the best choice if you have reliable power.

All Gallagher 110V Energizers are tested under extreme conditions to ensure unbeatable reliability – delivering outstanding performance day in and day out. Our medium and large Energizers offer extra performance with low power usage by automatically matching power output to fence load, as well as fence monitoring technology giving you total peace of mind your fence is working effectively.

M10000i

G379514

100

JOULES

The world's largest, most powerful Energizer.

- Clean fence distance: 1,000 miles / 6,000 acres
- Typical fence distance: 125 miles / 3,000 acres
- Stored energy (joules): 100



Energizer Remote & Fault Finder with user replaceable battery.

Fence Monitors placed strategically around your property provide confident animal control & accelerated fence troubleshooting.

*A watchful eye on all corners of your fence!
Add up to six monitors to your fence system.*

i Series Energizer System - the fence that can't keep a secret. Working together the i Series system provides fence information at a glance and if it detects any faults, leads you directly to them, saving you hours of searching.



Energizer Controller allows fence information to be seen in a convenient location up to 164' away from the Energizer with additional cord.

Energy efficient Energizers, adjust power output to suit your fence conditions. Provides incredible fence performance for the unit's size.

INCLUDED



OPTIONAL ACCESSORIES



M5800i

G308514

58

JOULES

- Clean fence distance: 430 miles / 2,700 acres
- Typical fence distance: 87 miles / 2,200 acres
- Stored energy (joules): 58



PRODUCTS IN DETAIL:

FENCE MONITOR



G51000

Sold separately

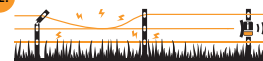
A watchful eye on all corners of your fence ↓

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

- Use across your property to monitor fence voltage and current at up to six different locations (zones)
- Identifies when any zone has a fault and sends back alarms
- Locate fault zones quickly and use the Remote/Fault Finder to pinpoint the problem.

IN ACTION:

1.



Fence Monitor(s) recognize any significant drop in fence zone or Energizer performance and raise alarms.

2.



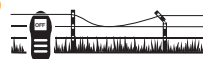
Alerts are sent to the Energizer Controller and/or optional Alarm System.

3.



The Controller and Remote indicate which zone is in fault. The Remote is used to find the fault within the zone.

4.



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

5.



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

ENERGIZER CONTROLLER



(Included with i Series Energizers: M10000i, M5800i, MB2800i and MB1800i)

Ground breaking innovation, total peace of mind that your fence is working as it should ↓

Shows all your fence performance information (e.g. voltage, faults and location) in one convenient, separate display box that can be placed up to 164' away from the Energizer itself. Additional cord length required.

- Displays voltage & current readings at the Energizer and for up to 6 attached Fence Monitors
- Locate in a convenient spot for instant updates eg: side of the shed
- Locate fault zones quickly & use the Controller to turn the Energizer on/off
- Fully waterproof for indoor or outdoor placement.

REMOTE



G50700

Sold separately

Save hours searching for & fixing faults ↓

The Remote pinpoints the fault within the monitored zone and enables you to turn off the Energizer during 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 up to 9 Energizers or use multiple Remotes on one (or more) Energizers.

Accessories ↓

Monitor a section of fence and drive external strobe lights, sirens or alarm panels if the circuit is broken eg: gate opened or a wire cut.



Light G56901

Siren G56902



Alarm G57900

Connect the i Series WiFi Gateway to your i Series Energizer, install the Dashboard Fence app and subscribe for fence performance information.



WiFi Gateway G56700

Connect between the mains power supply and the Energizer and connect to your 12V battery as a back-up power source.



Battery Back-up Charger G58210

8 Plug-in, 110 Volt Energizers

M1500

G324514

15

JOULES

- Clean fence distance: 160 miles / 900 acres
- Typical fence distance: 40 miles / 360 acres
- Stored energy (joules): 15
- Dimensions: 10.5" (w) × 8" (h)
- Quickscan Output Voltage: shows output voltage of the Energizer at a glance and a digital output reading
- Ideally suited for large pastures
- UL Approved

More power in reserve
- Adaptive output control technology automatically adjusts to suite your fence conditions. M1500 & M1100.

Easy to service,
modular design.

LED bar graph shows how Energizer is performing at a glance.

High performance livestock control - Highly efficient Energizer output delivers market leading performance, reliability and stock control.

Split bolt terminals for easy installation and good connection.



M1100

G324504

11

JOULES

- Clean fence distance: 110 miles / 650 acres
- Typical fence distance: 36 miles / 280 acres
- Stored energy (joules): 11
- Dimensions: 10.5" (w) × 8" (h)
- Quickscan Output Voltage bar graph: shows output voltage of the Energizer at a glance
- Ideally suited for medium pastures
- UL Approved



"Power, performance
and reliability
- hallmarks of
Gallagher plug-in
Energizers"

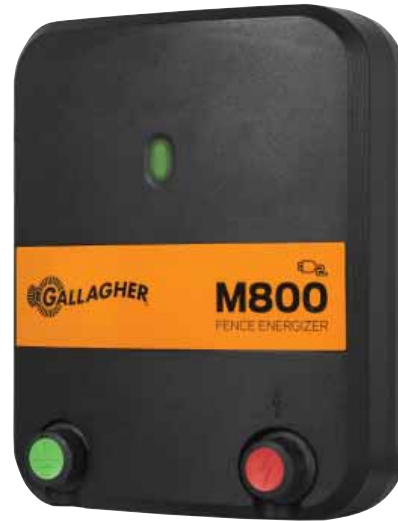
M800

G323524

8

JOULES

- Clean fence distance: 90 miles / 520 acres
- Typical fence distance: 30 miles / 200 acres
- Stored energy (joules) : 8.0
- Dimensions: 7" (w) × 8.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



M560

G323514

5.6

JOULES

- Clean fence distance: 75 miles / 400 acres
- Typical fence distance: 23 miles / 130 acres
- Stored energy (joules) : 5.6
- Dimensions: 7" (w) × 8.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



M360

G323504

3.6

JOULES

- Clean fence distance: 55 miles / 250 acres
- Typical fence distance: 19 miles / 95 acres
- Stored energy (joules) : 3.6
- Dimensions: 7" (w) × 8.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



10 Plug-in, 110 Volt Energizers

M160

G330444

1.6
JOULES

- Clean fence distance: 30 miles / 100 acres
- Typical fence distance: 11 miles / 60 acres
- Stored energy (joules) : 1.6
- Dimensions: 9.6" (w) × 7.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



Power on indicator. Green indicator light flashes when the Energizer is working.



Ground terminal

Fence terminal

M120

G330434

1.2
JOULES

- Clean fence distance: 15 miles / 60 acres
- Typical fence distance: 6 miles / 30 acres
- Stored energy (joules) : 1.2
- Dimensions: 9.6" (w) × 7.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



M60

G383414

0.6
JOULES

- Clean fence distance: 10 miles / 40 acres
- Typical fence distance: 3 miles / 20 acres
- Stored energy (joules) : 0.6
- Dimensions: 9.6" (w) × 7.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved





We've taken everything we love about our Energizers and hit the refresh button. The result? Extended mileage with the same unbeatable quality.

M30

G331434

0.3
JOULES

- Clean fence distance: 5 miles / 20 acres
- Typical fence distance: 2 miles / 10 acres
- Stored energy (joules) : 0.3
- Dimensions: 9.6" (w) × 7.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



M10

G331424

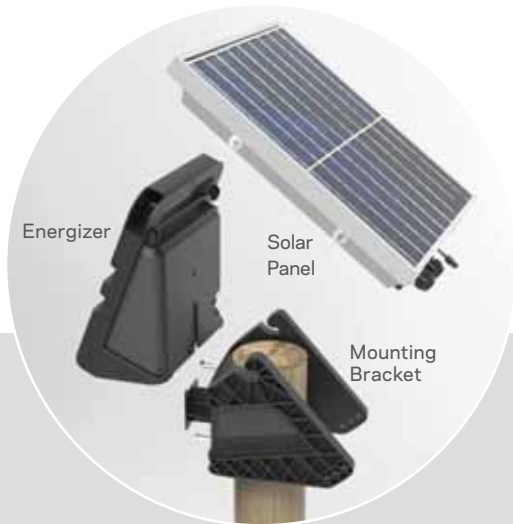
0.1
JOULES

- Clean fence distance: 2 miles / 10 acres
- Typical fence distance: .5 miles / 3 acres
- Stored energy (joules) : 0.1
- Dimensions: 9.6" (w) × 7.5" (h)
- Green indicator light flashes when Energizer is working properly
- UL Approved



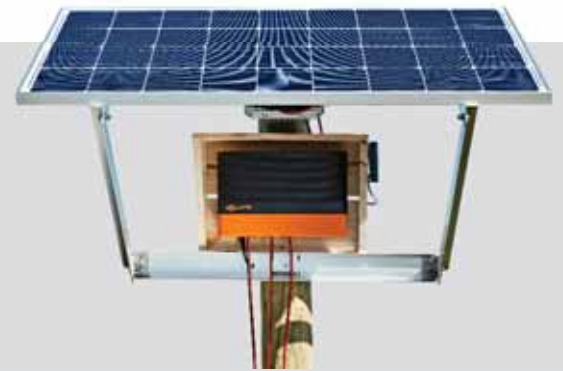
12 Flexible Battery/Solar Options

A Battery/Solar Energizer System is a popular choice for those without reliable plug-in power.



A full Gallagher solar panel includes:

- High quality fully tested Solar Panels
- A Regulator to protect the battery by controlling the power flow
- Stainless steel Mounting Brackets, Bolts & Clamps for longer life with multiple tilt positions for maximum sunlight exposure



Solar Panels

Efficient Solar Conversion

Multiple Mounting Options - Bracket system designed for maximum mounting flexibility. Works with a wooden post, rails or steel mounting pole.

Easy Installation - Quick and simple to install. Includes a simple angle adjustment. **Brackets included on all four models.**

Reliability - Solar panels have been tested extensively. Can be mounted on wood rails, posts or steel posts.



G49602
130 WATT SOLAR PANEL



G49582
80 WATT SOLAR PANEL



G49541
40 WATT SOLAR PANEL



G49521
20 WATT SOLAR PANEL

Battery Back-up Charger

G49602

Ensures you never lose power on your fence. In the event of a power failure, the power source automatically switches your Gallagher MB/MBS Energizer to your external 12V battery.



To power your MB/MBS Series 110 Volt Energizer using solar panels you need to consider two factors:

1. **Size of Energizer** (larger Energizers draw more current & need larger solar panels)
2. **Sunlight in your area** (larger solar panels are needed for areas of limited sunshine)

Use the North America map and chart below to match your chosen Energizer with the right Solar Panel wattage required and the correct Battery amp hour rating (battery capacity).

Model	Region 1		Region 2		Region 3		Region 4	
	Solar Panel	Battery	Solar Panel	Battery	Solar Panel	Battery	Solar Panel	Battery
MB2800i	1 - 80W+ 1 - 130W	1 - 100AH	2 - 80W	2 - 100AH	1 - 130W	2 - 100AH	1 - 130W	1 - 100AH
MB1800i / B1600	2 - 80W	1 - 100AH	1 - 130W	1 - 100AH	1 - 130W	1 - 100AH	1 - 80W	1 - 100AH
MB1000 / B700	1 - 130W	1 - 100AH	1 - 80W	1 - 100AH	1 - 80W	1 - 100AH	1 - 80W	1 - 100AH
MBS800	1 - 130W	1 - 100AH	1 - 80W	1 - 100AH	1 - 80W	1 - 70AH	1 - 80W	1 - 70AH
MBS400	1 - 80W	1 - 70AH	1 - 40W	1 - 70AH	1 - 40W	1 - 38AH	1 - 40W	1 - 38AH
MBS200	1 - 40W	1 - 38AH	1 - 40W	1 - 38AH	1 - 20W	1 - 38AH	1 - 20W	1 - 38AH



If you live near a region boundary line, always select the most Northern region's recommendation to ensure optimal performance.

Not recommended for use outside the regions listed.

14 Multi Powered Energizers

MB2800i

G315514

28

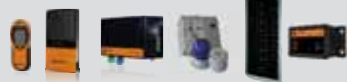
JOULES

- Clean fence distance: 250 miles / 1,500 acres
- Typical fence distance: 50 miles / 1,000 acres
- Stored energy (joules): 28
- UL Approved

INCLUDED



OPTIONAL ACCESSORIES



(See pages 7 & 12 for more detail)



Reliable, adaptive i Series technology - The proven Gallagher i Series technology provides complete confidence in continued fence performance irrespective of changes in power supply, temperatures and fence conditions.



Power your fence, your way - Plug-in, battery or solar. **Energizer comes complete with a 110v power supply and battery lead set for all power options** (Solar panel sold separately for solar powered solutions).

Easily monitor and control fence performance - Mount in a convenient location up to 164' from Energizer for easy access to fence control and performance information. Additional cord length required.

Compatible with i Series accessories - Fully compatible with i Series remotes, fence monitors, alarm system, gateway and the supplied display monitor.

NEW power adaptor input - Easy to use, weather tight power adaptor input. Simply insert the provided plug-in or battery lead set (shown above), depending on your chosen power source.



MB1800i

G315504

18

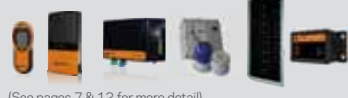
JOULES

- Clean fence distance: 200 miles / 1,200 acres
- Typical fence distance: 42 miles / 420 acres
- Stored energy (joules): 18
- UL Approved

INCLUDED



OPTIONAL ACCESSORIES



(See pages 7 & 12 for more detail)



MB1000

G301504

10

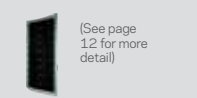
JOULES

- Clean fence distance: 100 miles / 600 acres
- Typical fence distance: 34 miles / 250 acres
- Stored energy (joules): 10
- UL Approved

INCLUDED



OPTIONAL ACCESSORIES



(See page 12 for more detail)



Reliable & 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 on the MB2800i and MB1800i units
- User safety and reliable animal control with built in lightning and short circuit protection
- Better fence management with output, ground and fence voltage alarms

16 Multi Powered Energizers



MBS800

G390414

8

JOULES

- Clean fence distance: 90 miles / 520 acres
- Typical fence distance: 30 miles / 200 acres
- Stored energy (joules) : 8
- Dimensions: 5.3" (w) × 10" (h)
- UL Approved
- Flexibility in fence management - designed for 110v (plug-in), battery or solar installations
- Gain peace of mind that fence is working properly - LED bar graph indicates fence voltage performance
- Check battery at a glance - flashing red light shows when battery is running low
- Solar options are available (see pages 12-13)
- Leadsets are included
- Battery not included



Superior performance in all operating modes - Reliable fence voltage irrespective of your power source

View fence performance at a glance - LED bar graph indicates voltage and fence performance

Use in the harshest conditions - Portable, water resistant case, with built in lightning protection

Check battery health in an instant - LED bar graph indicates your battery status on a MBS800, MBS400 & MBS200

MBS400

G390404

4

JOULES

- Clean fence distance: 60 miles / 280 acres
- Typical fence distance: 20 miles / 120 acres
- Stored energy (joules) : 4
- Dimensions: 5.3" (w) × 10" (h)
- UL Approved
- Flexibility in fence management - designed for 110v (plug-in), battery or solar installations
- Gain peace of mind that fence is working properly - LED bar graph indicates fence voltage performance
- Check battery at a glance - flashing red light shows when battery is running low
- Solar options are available (see pages 12-13)
- Leadsets are included
- Battery not included





110V ADAPTER
INCLUDED



12V BATTERY
SOLD SEPARATELY



SOLAR KIT SOLD
SEPARATELY

MBS200

G389414

2

JOULES

- Clean fence distance: 45 miles / 160 acres
- Typical fence distance: 14 miles / 90 acres
- Stored energy (joules): 2
- Dimensions: 4.6" (w) × 8.8" (h)
- Flexibility in fence management – designed for 110v (plug-in), battery or solar installations
- Gain peace of mind that fence is working properly – LED bar graph indicates fence voltage performance
- Check battery at a glance – flashing red light shows when battery is running low
- Solar options are available (see pages 12-13)
- Leadsets are included
- Battery not included



MB150

G388414

1.5

JOULES

- Clean fence distance: 30 miles / 100 acres
- Typical fence distance: 11 miles / 60 acres
- Stored energy (joules): 1.5
- Dimensions: 4.6" (w) × 8.8" (h)
- Dual Power: 110v, plug-in or battery power
- Check battery at a glance - green light shows battery is ok, flashes red if battery is running low
- Superior fence performance
- Reliable animal control is assured with built in lightning protection
- Power supply (G40123) is not included
- Battery not included



18 All in One Solar Energizers

Are you looking for an Energizer that generates free energy and is environmentally friendly? Go solar. Check out our full line up of high quality, reliable solar systems that are a cinch to install and will last for years.

S400

G361404

4

JOULES

- Clean fence distance: 60 miles / 280 acres
- Typical fence distance: 20 miles / 120 acres
- Stored energy (joules) : 4.0
- Dimensions: 26" (w) × 20" (h)
- Multiple power options: wildlife and livestock control modes
- Safe, powerful animal control designed for outdoor and portable use
- Can be mounted on a wall, wood post, or T-Post
- 40 Watt solar panel
- Highly visible rotary dial for turning the unit off and on
- Impact resistant plastic lens to protect the solar panel
- Easy to maintain and clean
- Maintenance-free rechargeable batteries (requires two 12V batteries) and leads included



S200/S400 RECHARGEABLE 12V BATTERY
2M1946

The S400 requires 2 batteries.



Fence and ground leads (G59300) included.

Multiple power options - the customer has full control, with multiple operation modes to suit wildlife animal exclusion and livestock animal inclusion.

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

Portable and quick to install - easily set up in any location and moved about as required allowing it to be used for strip grazing and better pasture management.

Dual solar panel design - improved solar reliability with split solar panel design. Separating the solar panel in two, means that if one is covered by vegetation, the second panel will continue to charge battery.

S200

G360404

2

JOULES

- Clean fence distance: 45 miles / 160 acres
- Typical fence distance: 14 miles / 90 acres
- Stored energy (joules) : 2.0
- Dimensions: 13" (w) × 20" (h)
- Multiple power options: wildlife and livestock control modes
- Safe, powerful animal control designed for outdoor and portable use
- Can be mounted on a wall, wood post, or T-Post
- 20 Watt solar panel
- Highly visible rotary dial for turning the unit off and on
- Impact resistant plastic lens to protect the solar panel
- Easy to maintain and clean
- Maintenance-free rechargeable batteries (requires two 12V batteries) and leads included

Fence and ground leads included (G59300).



S200/S400 RECHARGEABLE 12V BATTERY
2M1946

The S200 requires 2 batteries.

S100

G346404

1.0

JOULES

- Clean fence distance: 30 miles / 100 acres
- Typical fence distance: 8 miles / 60 acres
- Stored energy (joules) : 1.0
- Dimensions: 12" (w) × 12" (h)
- Safe, powerful animal control designed for outdoor and portable use
- Can be mounted on a wall, wood post, or T-Post
- Highly visible rotary dial for turning the unit off and on
- Impact resistant plastic lens to protect the solar panel
- Easy to maintain and clean
- Maintenance-free rechargeable battery and leads included

Fully integrated, ready to use - includes fence/ground leadset, rechargeable 12v battery and solar panel.



Multiple power options - Wildlife mode pulses fast day and night. Full power mode pulses fast during the day and slower at night, coserving power when animals are less active.

Turn on and forget - With automated battery management, energizer will continue to work for up to 3 weeks without sun.

Indicator light for fence power



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

Quick to install - Easily set up in any location.



S100 RECHARGEABLE
12V BATTERY
A738

Fence and ground leads (G59300) included.



20 All in One Solar Energizers

S40

G359404

0.4
JOULES

- Clean fence distance: 25 miles / 80 acres
- Typical fence distance: 5 miles / 30 acres
- Stored energy (joules) : 0.4
- Dimensions: 12" (w) × 12" (h)
- Multiple power options: wildlife and livestock control modes
- Safe, powerful animal control designed for outdoor and portable use
- Can be mounted on a wall, wood post, or T-Post
- Highly visible rotary dial for turning the unit off and on
- Impact resistant plastic lens to protect the solar panel
- Easy to maintain and clean
- Battery and leads included
- Will continue to run up to 3 weeks without sun
- Maintenance-free rechargeable battery and leads included



S40 RECHARGEABLE 6V BATTERY
A0959
Used in the Gallagher S40 Energizer.

Fence and ground leads (G59300) included.



S20

G341424

0.20
JOULES

- Clean fence distance: 12 miles / 40 acres
- Typical fence distance: 2 mile / 14 acres
- Stored energy (joules) : 0.20
- Dimensions: 9" (w) × 10.5" (h)
- High-impact, UV-resistant plastic case for weatherproof, rust-proof, insect-proof outdoor use
- Maintenance-free rechargeable battery included
- Fits on top of steel t-post
- Unique battery save extends usage up to 3 weeks without sun
- Automatic night save mode to extend battery life
- Battery and leads included

S10/S16/S20 RECHARGEABLE BATTERY 6V
A905
Used in the Gallagher S10/S16/S20 Energizers.



Post mount can attach S10/S16/S20 Solar Energizers to a Ring Top Post. See page 44.



Operates up to 3 weeks without sun!

Fence and ground leads (G59300) included.



S16

G341414

0.16

JOULES

Operates up to 3 weeks without sun!

- Clean fence distance: 10 miles / 30 acres
- Typical fence distance: 1 mile / 10 acres
- Stored energy (joules) : 0.16
- Dimensions: 11.6" (w) × 12" (h)
- High-impact, UV-resistant plastic case for weatherproof, rust-proof, insect-proof outdoor use
- Maintenance-free rechargeable battery included
- Fits on top of steel t-post
- Unique battery save extends usage up to 3 weeks without sun
- Ideal for managed grazing, this robust and portable unit makes a great alternative to battery powered systems

360 Degree T-Post mount allows the Energizer to mount onto existing posts.



Built in solar panel (1.5 Watt) charges battery for consistent, reliable fence performance.



Battery light indicator

S10/S16/S20 RECHARGEABLE BATTERY 6V A905
Used in the Gallagher S10/S16/S20 Energizers.

Fence and ground leads (G59300) included.



Water resistant case & components with built-in lightning protection. Designed to be left outside in all weather conditions.

Post mount can attach S10/S16/S20 Solar Energizers to a Ring Top Post. See page 44.



S10

G341404

0.1

JOULES

Operates up to 3 weeks without sun!

- Clean fence distance: 3 miles / 15 acres
- Typical fence distance: 0.5 miles / 5 acres
- Stored energy (joules) : 0.1
- Dimensions: 9" (w) × 10.5" (h)
- The Energizer comes with a battery and solar panel. **Leads are not included**
- Unique battery save extends usage up to 3 weeks without sun
- Built in lightning protection
- Designed for all weather conditions

360 Degree T-Post mount allows the Energizer to mount onto existing posts.



S10/S16/S20 RECHARGEABLE BATTERY 6V A905
Used in the Gallagher S10/S16/S20 Energizers.

Uses fence and ground leads (G59300).



22 Battery Energizers

A Battery Powered Energizer System needs a constant current.

If not recharged, the battery will eventually become completely discharged and the Energizer will stop. The amount of current required by an Energizer increases with the size of the Energizer. The amount of charge stored by the battery is measured in Amp-hours (Ah) and increases with the size of the battery. A battery should be chosen which is designed for regular charge and discharge cycles, and for discharging most of its capacity without damage.

Deep cycle batteries are recommended as they are the best compromise between price and life expectancy. A deep cycle battery will typically last two to four times longer than an automotive battery when used for powering Energizers because they are designed to be drained and recharged repeatedly.

Batteries should be placed on a level surface and can be protected against extremes of temperature. They should not be in direct contact with a cold surface such as the ground. Placing suitable insulating material under the batteries or placing them in a battery box and burying the box will also help increase their service life. Ensure that the battery has adequate ventilation to allow gases to escape.



B60

G388404

0.6
JOULES

- Clean fence distance: 15 miles / 60 acres
- Typical fence distance: 5 miles / 40 acres
- Stored energy (joules): 0.6
- Dimensions: 3" (w) × 6" (h)
- Compact and portable design
- Fence indicator flashes with each energizer pulse
- Use with a 12-volt, deep-cycle battery
- Battery not included

B11

G353414

0.11
JOULES

- Clean fence distance: 4 miles / 20 acres
- Typical fence distance: 0.6 miles / 6 acres
- Stored energy (joules): 0.11
- Dimensions: 4.5" (w) × 8.6" (h)

Requires: Six 'D' batteries or external 12V battery (batteries not included). 12V battery leads included.



B10

G36311

0.1
JOULES

- Clean fence distance: 4 miles / 20 acres
- Typical fence distance: 0.6 miles / 6 acres
- Stored energy (joules): 0.1
- Dimensions: 3" (w) × 6" (h)
- Ideal for protecting gardens from animals.

Requires: Six 'D' batteries or external 12V battery (not included). 12V battery leads not included. 12V leads (G52100).





What's your grazing strategy?

If there's one thing a cattle producer can count on, it's knowing they're going to face a challenge that's beyond their control. Whether that challenge is man made such as high operating costs, or a natural disaster such as a drought – or the combination of the two – each generation of producers deal with their own set of unique challenges.

But it's in the nature of cattle producers to accept their fate and make changes to their individual operations to stay in this business. And it is those exact challenges and the producer's ability to change what they can control that makes each generation of producers more progressive and aggressive in their operation management.

You can't feed yourself out of a drought. Surely one could try, but with current conditions as such, how long could that operation be sustainable, let alone be profitable? Instead, consider taking a different operation management approach to grazing and pasture management, such as rotational grazing. Picture utilizing what is already available: cattle and land, and change the way the two work together to ultimately produce a more efficient, cost-effective and viable operation for the future.

Rotational grazing, or intensive grazing, doesn't have to be overwhelming. It's simply utilizing the cattle and maintaining the land to garner the most efficiency out of an operation. And since producers already know the tendencies of their land and their animals, a little planning and strategy at the beginning will ensure a successful pasture management practice.

The limiting factor for a rotational grazing system is water. Determine the location of the cattle's water source first. Cattle will graze more efficiently if they are no farther than 800 – 1,000 feet from their drinking source.

Next, chart out the grazing area on paper before heading out to pasture. Making a plan of the grazing area ahead of time allows producers to be more efficient and cost-effective in their rotational grazing management. An aerial map of the land is a great place to start to establish paddock sizes based on the location of the water source. If an aerial map is not available, the Natural Resources Conservation Service (NRCS) may provide this free of charge.

Determining the number of paddocks or the shape of the grazing area is solely up to each producer and their individual operation. Developing a rotational grazing system truly can be as simple as dividing the current grazing area in half.

A great visual example is to picture a pie shape – with the water source in the center of the pie and paddocks arcing out from the water. A rotational grazing system based on this principle allows producers to easily move cattle from one paddock to the next, especially when working alone.

Probably the most important question to ask when deciding the number of paddocks to create is: how long do I want the cattle to graze in each paddock? The more paddocks – the shorter amount of time the cattle will graze. As a general rule, four/five paddocks are quite typical.

It's time to put the plan in motion. For the physical component of rotational grazing – putting up the actual grazing area, producers need nothing more than five tools: an Energizer, ground rod, posts, reels and Polywire fencing. One of the great benefits of rotational grazing is flexibility; it may take a couple of rotations to figure out the appropriate size of the individual paddocks, which is why Polywire fencing is recommended at the beginning.

Before turnout, plan a quick grazing strategy. Take a look at the grazing area to determine the condition of the plots, availability of forage and how the pasture grows. A simple grazing strategy allows producers to know where to place the cattle in the grazing rotation and to prevent overgrazing. A general rule is to let the cattle eat the best forage first and then move the cattle to where the producer wants the animals to graze next.

How often a producer moves their cattle is based on many factors: geography, climate, season, size of the pasture – and also the number and size of paddocks. The smaller the size of the paddock, the shorter amount of time the cattle will spend in each area. In some parts of the country the cattle may be moved every couple of days, while in other parts, it may be weeks. The best advice is to watch what's happening in the rotational grazing process and make operation management decisions from there.

Regardless of current or future challenges, cattle producers will rise to the occasion. The progressive changes producers implement in their operations now, will continue to drive the success and sustainability of the industry as a whole to the next generation.

Tips

- Implementing a rotational grazing system allows producers to be more involved in the effectiveness of their forage and how efficiently their cattle graze.
- Cattle must be trained to electric fencing prior to turnout. Temporary fencing is a cost-effective solution to ensure the animals are ready.
- A simple equation to use to determine the number of paddocks to create: number of days of pasture rest divided by the number of days of grazing, plus one.

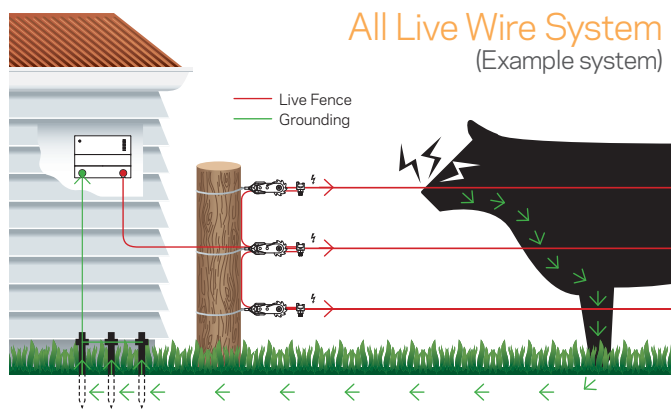
24 Grounding

Eight out of ten problems are due to improper grounding

Setting up a good grounding 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 ground rods in sufficient size and number the ground connection doesn't work and the shock will not reach the animal.

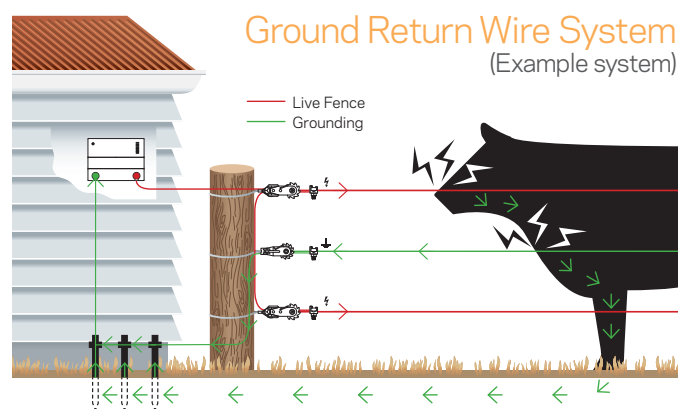
For Wetter Regions

For use in greener regions where the fence can be simplified to an 'all live wire' system.



For Drier Regions

For use where the ground struggles to conduct enough power. A 'ground return system' is created where the live & ground wires on the fence create the shock when the animal touches them both at the same time.



Handy Hint

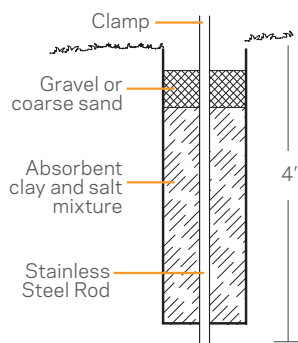
The rule for ground rods when installing permanent fencing

- 10' Between ground rods
- 3 Ground rods minimum*

- 6' Minimum length of rods
- 1 Wire connecting all rods to Energizer ground terminal

As a rule of thumb, use at least 3 ground rods or the Energizer Stored Joules rating divided by 5.

GROUNDING



Recommended grounding option; equivalent to **three** ground rods. Particularly effective in poor grounding soils.

6' Ground Rod
A351

3' Ground Rod
A351A

HD Ground Rod Clamp
A352HD

HD Ground Rod Clamp (3 pk)
A363HD

Complete 3-Ground Rod Kit
A655

- Three 6' galvanized rods
- Heavy-duty clamps
- 50' of 12 gauge galvanized wire

Super Grounding Kit
G88000

- One stainless steel rod
- One galvanized ground clamp
- 13.5 lbs of absorbent mixture
- The equivalent to using three 6' ground rods

FENCE TESTERS

Fence Volt/Current Meter and Fault Finder G50905

Save hours searching for and fixing faults!

- Large easy to read LCD display shows voltage & current
- Large arrows show direction of fault
- Auto On/Off when fence pulse detected



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 M10000i, M5800i, MB2800i & MB1800i



Fence Volt Meter G503014



Digital read out for accurate fence voltage measurement.

Fence Volt Indicator G501004



Simple indicator lights show approximate fence voltage levels.

FENCE MANAGEMENT TOOLS

Live Fence Indicator G51100

Know your fence is working!

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 (2kv or 2000 volts or higher)
- Highly visible LED can be seen during day/night (up to .5 mile at night)
- Long life - water and UV resistant
- Simply put ground rod in and clip on to fence wire or tape.



Cut Out Switch G60731

A handy tool that allows a section of a permanent fence to be switched off for maintenance or fault finding.

- High quality phosphorous bronze contacts for long life & maximum effectiveness
- Highly visible on/off switch for status checking at a glance
- Full sealed, weatherproof & dirt resistant.



Knife Cut Out Switch G610



Alternative cut out switch option.

- Stainless steel contacts
- Easy to see open or closed status
- Use at gates and for easy location of fault finding
- Switch off a section of fence for maintenance and routine checks

SAFETY & PROTECTION

Flood Gate Controller G60400



Install on flood gates to prevent significant power loss when the water way is flooded.

Voltage Spike Protector A209



Protect your fence from damaging power surges.

Lightning Diverter G64800

Also available porcelain (A207)



Gallagher recommends that all Energizers be fitted with a lightning diverter to help protect from lightning damage. This diverter will withstand multiple lightning strikes and can be adjusted to fit any Energizer.

Warning Sign G602404



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.

26 Strainers, End Strain Insulators

GROUND BREAKING UV RESISTANT MATERIAL

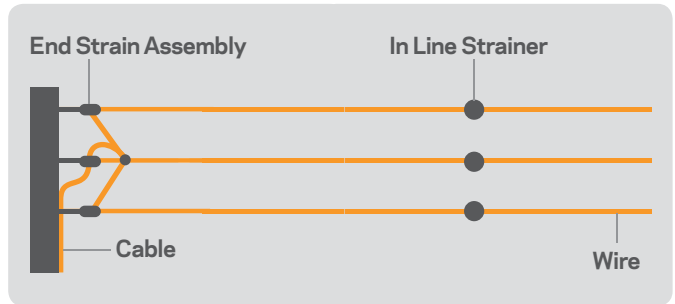
Improves insulator life by
maintaining flexibility on the fence



STRENGTH



WARRANTY



END STRAIN INSULATORS AND STRAINERS

Strain Insulator
White: G67812
Black: G67702



Strongest, long term end strain insulation for high tensile permanent electric fencing.



In Line Wire Tightener
G64304
G64302 - 5 Pack



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



Ratchet Wire Tightening Tool. See page 44.



Strain Insulator Kit
G61814



Simplest option for end strain insulation; comes with pre-attached wire rope. Fits up to 7.5" posts. No wire tying or special tools needed.



Porcelain Round Insulator
G674034



Fire resistant, high quality glaze finish porcelain doughnut is 1.5" in diameter.



Insulated Wire Strainer Kit
G618034



No wire tying, fast & simple. Includes all three end strain elements - insulator, strainer and steel rope. Simply slide over the post and you're done. Fits up to 7.5" post.



Strainer Handle for tightening. Works with ratchet strainers. See page 44.



Porcelain High Strain Insulator
G692034



This long-life, fire resistant insulator is suitable for long strains of permanent fence.



Screw-In Tie Down & Handle
G61500 Tie Down
G615014 Handle



Ensures a secure fence tie down. Tie down and handle sold separately.



Insulated Strainer
G74313



Insulated body provides 1.7 x the insulation of previous models. Integrated joint clamp allows direct attachment of wires and power connection.



Strainer Handle for tightening. Works with ratchet strainers. See page 44.



Insulated Tube
G614134 - White
G614034 - Black



23" Long protective strips for poly wire or braid. Available in white 82' coil.



Wire Strainer
G79504



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



Strainer Handle for tightening. Works with ratchet strainers. See page 44.



Insulated Tube
A213



100' coil. Alternative to longer life, higher strength insulators.



End/Corner Tensioner
AH125

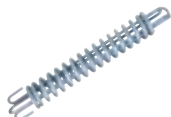


Firmly secures 1.5" tape. The unique clasp on this impact resistant polyethylene prevents movement and helps eliminate wear.

Tape End Tensioner
AH120



HD Tension Spring
A290



A versatile product with in-built over-stretch protection. Use for:

- Fences with frequent snow loads
- Enabling irrigators to pass over fence lines
- On very short fence lines to maintain tension and prevent excessive strain on end posts.



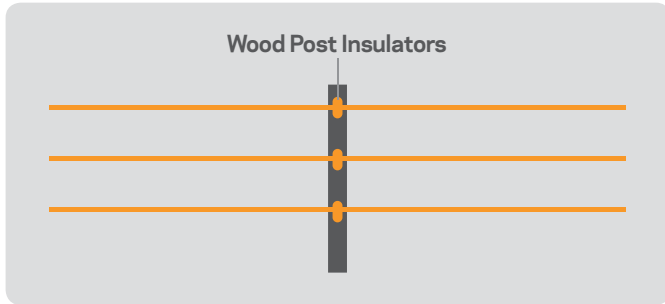
Tape Joiner 1.5"
AH105



Used to join 1.5" tape. This stainless steel material is rust resistant.



Wood Post Insulators, Connectors & Clamps 27



WOOD POST INSULATORS



Wood Post Claw Insulator G67304



The most popular choice for permanent electric fencing using wood posts.



Wood Post Pinlock Insulator G68704 - Black G687144 - White



Used with high-tensile wire.



Wood Post Screw-in Ring Insulator G66604 - Black G667 - White



Angled slot allows quick securing and safe holding of wire. No need to create pilot hole first, simply screw into soft wood.



Drill chuck for Screw-In Ring Insulators. See page 44.

Wood Post Wide Jaw Claw Insulator G67614 - White G676044 - Black



Specifically for Equine Fence Wire, the most popular choice for permanent equine fencing using wood posts.



Wood Post Wide Jaw Pinlock Insulator G626144 - White G626044 - Black



Extra-large shield eliminates power leakage through tracking. Accommodates Equine Fence and braid products.



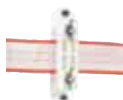
Wood Post Heavy Duty Tape Insulator G66913 - White G669034 - Black



Soft rubber jaws lock 1.5" tape in place and prevent wear. Unique rubber pad eliminates tape wear.



Wood Post Corner Strain Tape Insulator



G670034 - Black w/steel plate



WOOD POST INSULATORS



Corner Lag Insulator G679 - White G688 - Black



This polycarbonate insulator with UV and color preservation is great for pulling through corners.



Large Porcelain Lag Insulator G675



Long-life, fire resistant porcelain.



Standard Porcelain Lag Insulator G671



Long-life, fire resistant porcelain.



Wood Post Tape Insulator G668144 - White G668044 - Black



Designed specifically for Poly Tape up to 1.5" wide. Staples to post and clamps to fiberglass.



See Wood & T-Post Pinlock Insulator on page 28.

CLAMPS



Two options for clamping multiple HT wires in a secure electrical connection. Dedicated option for thicker wire/cable.

Joint Clamp L Shape



Wing nut:
G603934 - 10 pk

Joint Clamp Hexagonal G603534 - 10 pk G60355 - 25 pk



Hex nut:
G603034 - 10 pk
G603044 - 25 pk



WIRE CONNECTOR



Split Bolt Wire Connector G605 - 5 pk



Connects high tensile or regular wire with jumper or lead-in wire.

Ensures good electrical connections.



Equine Fence Joiner AH101



Join Equine Fence or 12.5 gauge wire without special tools or crimps. Simply strip special polymer coating off Equine Fence and insert bare wire into joiner.



28 T-Post & Fiberglass Post Insulators

T-Post Insulators

T-POST INSULATORS

T-Post Wide Jaw Pinlock Insulator
G682134 - White
G682034 - Black



Fits all T-Posts from 1.25" to 1.5". This unique snap on design requires no tools to install. The wide jaw accommodates Equine Fence and braid products.



T-Post Tape Insulator 1.5"
G654134 - White
G654034 - Black



Fits all T-Posts from 1.25" to 1.5". No tools are required to install. Specifically designed for .5"-1.5" tape. Will accommodate Equine Fence and braid products.



T-Post Topper Insulator
G685134 - White
G685034 - Black



Safety and flexibility - add a single electric wire/tape/braid to the top of existing posts using this protective cap. Top accommodates .375" wire. Front accommodates 1.5" tape and .375" wire.



IN LINE FIBERGLASS & ROD POST INSULATORS

Spring Grip Post Clip
A636



Clip for secure attachment to .375" fiberglass post.



Rod Post Screw-on Claw Insulator
G65514 - White



For round posts for 1/4" - 5/8" diameter.



Rod Post Screw-on Claw Insulator 3/8"
G65604 - Black



Claw style insulator for fitting plastic wire to round or oval portable posts with 1/4"-5/8" diameter. Fits Ring Top Post.



STRENGTH



MULTI-PURPOSE INSULATOR



Wood & T-Post Pinlock Insulator

G681134 - White

G681034 - Black

Heavy Duty, snap-on plastic insulator designed for steel posts, but can be nailed to wooden posts or screwed to vinyl posts.



STANDARD INSULATOR LINE



Std T-Post Claw Insulator
G73104



Simple snap on design for common T Post sizes.



Std Wood Post Nail-on Claw Insulator
G73604



Single fixing point. Wrap feature for poly wire strength. Comes with nail.



Std Wood Post Screw-in Ring Insulator
G73704



Angled slot for wire retention. Extra insulating of flanges to prevent arching.



Drill chuck for Screw-In Ring Insulators. See page 44.

Std Donut Insulator
G73503



Glass filled polypropylene construction.



Std Rod Post Screw-on Insulator
G73404



Fits a 3/8" post. Nut comes attached to insulator body to prevent lost parts.



Std Strain Insulator
G73303



Large insulating shields. Approximately 66 lbs. max tension load.

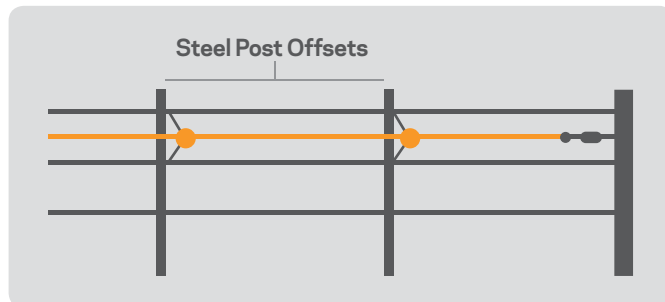
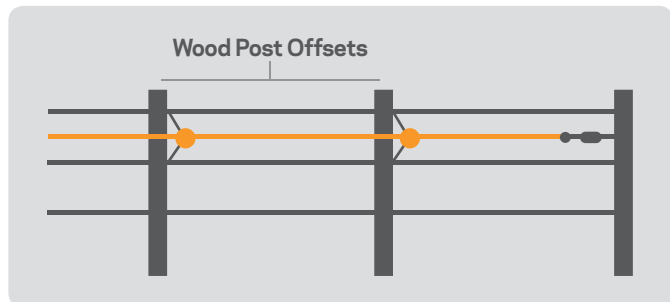


Std T-Post 5" Claw Offset Insulator
G73204



Simple snap on design for common T Post sizes.





WIRE MOUNTED OFFSETS



Bracket Offset with Plastic Pinlock Insulator 12"

G665144 - White Replacements
G665044 - Black Replacements
G659034 - Black, 10 pk
G659154 - White, 50 pk
G659054 - Black, 50 pk



This offset will attach to any existing wire fence and comes pre-assembled.

Available with Porcelain insulator (G664054). Also, available for wood posts (G662054) and chain link (G653054).



RING TOP & WOOD POST OFFSETS



Popular option for adding an electric wire to existing wood post fences. Use side mount option for standard height or top mount for a higher top wire placement (e.g.: horses) and one or both sides of the post.

Ring Top Offset Side Mounts, 5 pk



G75112 Length - 6 3/4"
G75122 Length - 15 3/4"



Benefits of Offset Fencing

Old fences can be made to last for many more years by simply attaching offset brackets and an electrified wire on one or both sides, even where fences have deteriorated so much that they need replacing.

New fences will last almost twice as long if they have electrified offset wires attached to them. Electrifying one or more wires in a conventional non-electric fence will prevent stock pushing through the fences.

Attach single offset wires at two thirds the animal to be controlled. If sheep and cattle are to be in the same area, use two wires or a single offset attached at three quarters the height of the sheep.

Where old barbed wire is rusty and broken, remove the worst wires and tighten the others to prevent an ongoing problem of them shorting out the offset wire. Old fence wires can also be connected in parallel and used as a ground return.



Wood Post Pinlock 5" Offset Insulator

G617134 - White
G617034 - Black



The pinlock allows for easy fence construction and wire removal. The wide jaw accommodates Equine Fence and braid products.



T-POST OFFSETS



T-Post Pinlock Offset Insulator - 5"

G650134 - White
G650034 - Black



Extra locking tab enables offset to fit all T-Posts from 1.25" to 1.5". The pinlock allows for easy construction and wire removal. The wide jaw accommodates Equine Fence and braid products.



Multi-Post Pinlock Offset Insulator

G694134 - White
G694034 - Black



This multi-purpose insulator is able to be attached to both sides of a steel post or nailed to a wooden post. It has a pinlock clip that allows for easy fence construction.



Ensure optimum power to all parts of the fence

Lead out describes the cable and wire that carries the power from the Energizer to the middle of your fence system. Much like your property water system, ensure optimum power distribution to all areas of your fence by choosing the most conductive cable/wire (biggest feeder pipe) relevant to your fence system.

DOUBLE INSULATED CABLE: Energizer to the fence



Double Insulated Cable
G609024 165'
16 Gauge



This double insulated cable has a resistance of 160 Ohms/mi.

High Conductive Cable
G62793 330'



This 12.5 gauge aluminium coated cable is ideal for long distances underground, through buildings or where there are numerous gateways in the leadout system. Three times the conductivity of 12.5 gauge galvanized wire.

Double Insulated Hard Cable
G627034 330' Black
G627014 65' Black
G627044 65' White



Made of 12.5 gauge steel and is ideal for standard leadouts and undergate cabling.

ELECTRIC FENCE WIRE: Fence to middle of system



High-Tensile Wire
A303 .5 mile



- Engineered and manufactured especially for permanent fencing. This 12.5 gauge wire is much stronger than standard fence wire and class III galvanized for longer life - 170,000 PSI.

See High Tensile Fence Tools & Accessories on page 44.

Aluminium Wire



AXL17250 17 Gauge; 250'
AXL171320 17 Gauge; 1320'
AXL141320 14 Gauge; 1320'
AXL142640 14 Gauge; 2640'
AXL121320 12.5 Gauge; 1320'
AXL124000 12.5 Gauge; 4,000'

- Ideal for long leadout with very high powered Energizers. Never rusts; a permanent solution even in harsh environments. Conducts electricity four times better than steel wire.

Easy to re-spool and ideal for controlled grazing.

1/3 Weight of steel

WIRE ACCESSORIES:



Staples

AC680 1.75" Barbed Staples 10 lb pail
AC681 2" Barbed Staples 10 lb pail
AC683 1.5" Barbed Staples 10 lb pail



Wire Splicing Sleeves

A800 FW3-4 Wire Splicing Sleeve (10-11 Gauge Smooth)
A401 FW4-5 Wire Splicing Sleeve (9 Gauge Smooth)
A802 FW2-3 Wire Splicing Sleeve (12.5 Gauge Smooth)



Wire Line Taps

A405 FWT3-4 Line Tap (12.5 Gauge Smooth)
A811 FWT4-5 Line Tap (12.5 Gauge Barbed)



See Crimping Tools on page 44.

Using Insulated & Underground Cable

Leadout Cable or Double Insulated Cable should be used in buildings, under gateways and where soil could corrode exposed galvanized wire.

Undergate cables should not be used for long leadouts or for long distances underground, because the 16 gauge galvanized wire will cause resistance to the flow of the current. This is not so important on small properties, but where long distances of fencing are to be erected use 12.5 gauge Leadout Cable or High Conductive Cable.

Never use household electrical cable; it is made for a maximum of 440 volts and for inside work only.

Never use copper wire undergate cable because electrolysis problems occur where it is joined to galvanized fencing wire.

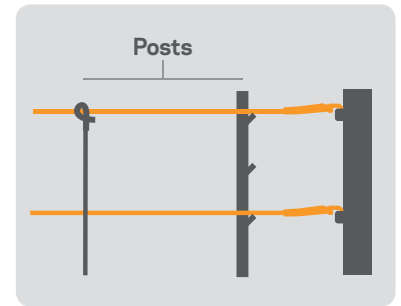
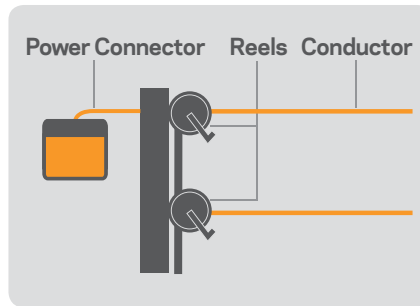


Conductor Selection Chart				FENCE VOLTAGE			RESISTANCE (Ohms/miles)	MIXED METALS*
				328' FENCE	1,640' FENCE	3,280' FENCE		
Braid, Wire, Rope	A) Turbo Braid - 3/16" G62174 656', White G62176 1,312', White G621774 1,312', Green		9 Mixed metal strands - Most user-friendly for horse fencing - visible and safe - Best suited for any distance temp or permanent fence	8kV	7.5kV	7.1kV	125	▪
	B) Turbo Braid - 7/64" G62148 1,312', White/Blue		9 Mixed metal strands - Superior heavy duty strength	8kV	7.5kV	7.1kV	125	▪
	C) Turbo Wire G62054 656' G620564 1,312' G62089 2,624'		9 Mixed metals - Best suited to distances more than 1/4 mile, where extreme power is required 40 times more conductive than standard Poly Wire	8kV	7.5kV	7.1kV	130	▪
	D) Poly Wire G62004 656' G620300 1,640'		6 Stainless steel strands - Best suited for distances under 1/4 mile	5kV	2kV	1kV	6,000	
.5" Tape	E) .5" Turbo Tape G62354 656' G62356 1,312'		- Mixed metals 30x's more conductive - Best suited for distances greater than 1/4 mile	7.8kV	7.1kV	6.4kV	250	▪
	F) .5" Poly Tape G62304 656'		6 Stainless steel strands for good conductivity	4.3kV	1.5kV	0.8kV	8,500	
1.5" Tape	G) 1.5" Turbo Tape * G624544 656'		15 mixed strands for ultra high conductivity - Reinforced edges for longer life & open weave for low wind resistance	7.8kV	7.1kV	6.4kV	250	▪
	H) 1.5" Poly Tape * G624044 656'		15 Stainless steel strands - Ideal for portable electric fences	4.3kV	1.5kV	0.8kV	8,500	
Other	I) Equine Wire * G912064 1,000'		- Ideal for horse fencing - safe and effective - Best for permanent fence - 12.5 g core - Med tensile galvanized wire -10 Year warranty	7.7kV	7.5kV		22	

* recommended for horses

32 Reels

Gallagher has a wide range of reels, portable posts and fence wires to make portable fencing easy and effective. Discover the best choice below to meet your needs.



GEARED REELS

Geared Reel

G61150 Reel with no wire
G61156 Pre-wound Reel with 1,312' Turbo Wire

Securely attach to wire or ATV with locking device

Most popular option for fast winding (2.7:1) on standard length portable fences.

Approx. capacity: .31 mile Poly Wire, .25 mile Turbo Wire or .125 mile Tape.



Geared Large Reel

G63150

Larger capacity for bigger paddocks

Approx. capacity: .74 mile Poly Wire, .62 mile Turbo Wire or .25 mile Tape.



NON GEARED REELS

Lightweight & strong, for use on shorter, less frequently moved portable fences.

Standard Reel

G61100

Approx. capacity: .31 mile Poly Wire .25 mile Turbo Wire or .125 mile Tape.



Economy Reel

G61600

.33 mile Poly Wire capacity or .25 mile Turbo Wire capacity.



Mini Reel

G63030

Ideal for small amounts of Poly Wire (.124), Turbo Wire (.09 mile) or Turbo Braid (.03 mile) such as camp corrals.



REEL ACCESSORIES

Reel Stand

3' 1-3 reels
G63300



Rust resistant steel, tread-in post for holding up to 3 reels for strip grazing and temporary fencing. Includes chain for securing to a post.

Wire Guide
G61200



Reel guide replacement, for tangle free operation.

POWER CONNECTORS

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

Single Reel Lead Connector
G634004



Electric Fence Configuration Guide

Selection of the right fencing systems depends on property size, fencing usage and animal type. Use this electric fence guide to help you configure your fence based on your usage and the animal(s) you will be fencing.

1 Permanent High Tensile Fencing

Permanent electric fences for highly effective animal control that lasts a lifetime.

2 Permanent Equine Fencing

Safety & visibility are key for more unpredictable animals like horses. Gallagher has specialized products for your horse's welfare.

3 Offset Fencing

Extend the life of an existing conventional non-electric fence by retrofitting an electric wire.

4 Temporary/Portable Fencing

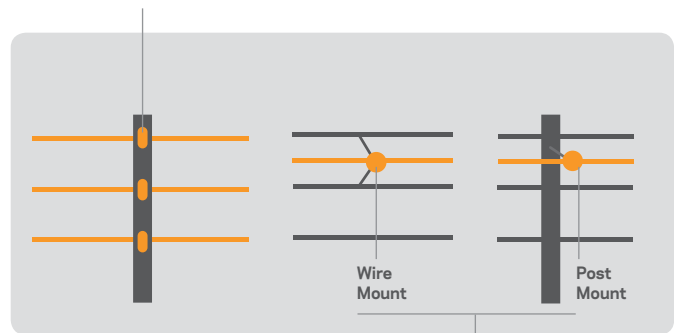
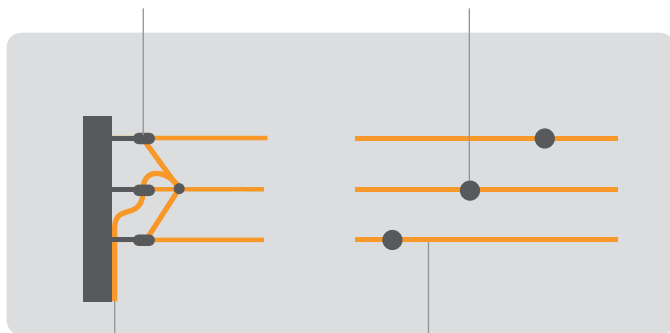
Easy to transport, assemble and take down for short-term animal control or rotational grazing.

Basics of Permanent (1 & 2) & Offset Fencing (3)

End strain assembly provides an insulated attachment between the wire and the strainer posts at each end of the fence.

In line straining allows the fence to be tensioned and re-tensioned as and when required.

Insulators attach the fence wire to the posts, keeping the wires at the correct spacing and height.



Fence Wire Types

Double insulated cable carries power between the energizer & fence as well as under gates.

Galvanized wire for longer life, high tensile fences.

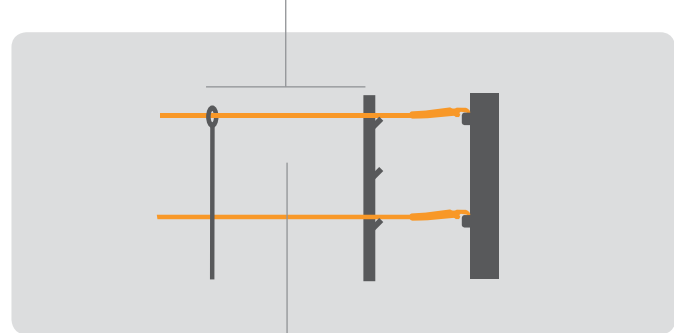
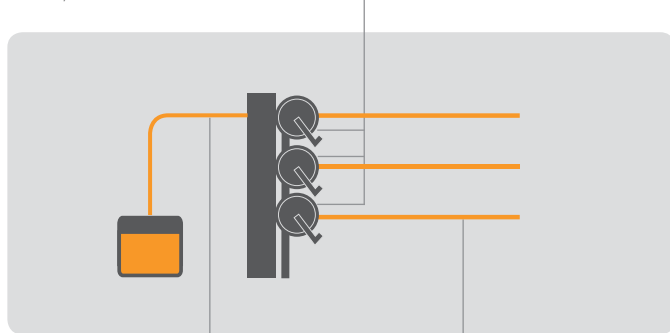
Braid/Tape economical, semi-permanent alternative.

Offsets specific to Offset Fencing (C), hold the electric wire off the existing non-electric fence wire or posts on a conventional fence line.

Basics of Temporary/Portable Fencing (4)

Reels hold the tape, braid or wire for the portable fence. You can use just one reel for single line fences or up to three reels, attached to a reel stand, for multiwire fences.

Posts are lightweight yet sturdy. Pigtail and Ring Top posts are most popular for cattle fences and multiwire treadins are used for all livestock fences.



Power Connectors are leads that connect a portable fence to an existing permanent electric fence.

Fence Wire

Tapes, Wires and Braids are used on portable fences rather than the high tensile galvanized wire used on permanent fences. Gallagher conductors are ideal for portable electric fences as they are light, visible and easy to wind.



1. Permanent High Tensile Fence

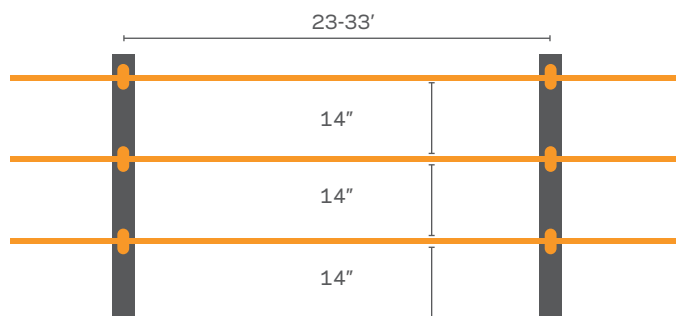
High tensile wire systems create long life, permanent electric fences. They are easy to install and operate and provide highly effective animal control that lasts.

Permanent fences use highly conductive, corrosion resistant fence wire together with the wood, t-posts, fiberglass posts and high strength components to keep fences looking good and working effectively for a life time.

Once you've chosen your products, see below for the recommended permanent electric fence set up for cattle, pigs, sheep and goats.

Fence Set Up

Cattle



Pigs, Sheep, Goats



High quality, long lasting electric fences cost less than other traditional fencing options.



Gallagher's Insulated Line Post makes fence construction easy giving a low maintenance and attractive fence.



Animals quickly learn to respect electric fences and keep away – so the fence looks good for longer, and your investment is protected.

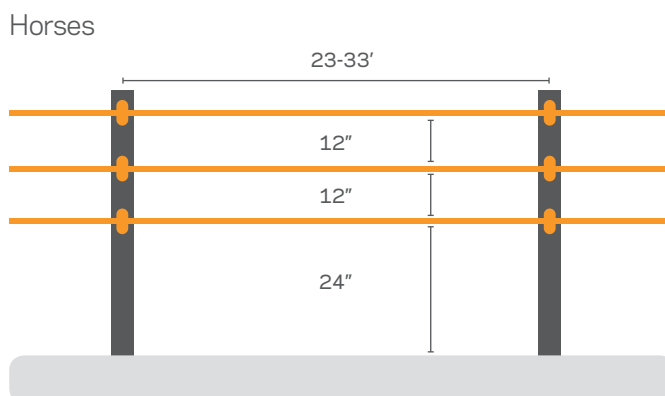
2. Permanent Horse Fence

Horses are lively and at times unpredictable, so keeping them safely contained is paramount. A Gallagher equine fence is a safe, reliable and highly visible solution designed to ensure your horses' welfare.

Three options are commonly used for long term equine electric fencing – a permanent fence using the new Equine Fence Wire, semi-permanent Tape or Braid fences.

Once you've chosen your products, see below for the recommended permanent electric fence set up for horses.

Fence Set Up



Equine Fence Wire is the safest, most effective electric fence for your horse. This long life, high tension fence uses specially designed wire coating to reduce risk of injury.



Turbo Braid can be used as a low tension semi-permanent fence alternative to Equine Fence Wire. Braid is designed not to tangle or overstretch and is easy to install.



A semi-permanent Tape fence is highly visible, simple to construct and will last years, making this type of fence an economical and popular choice for horse owners.

3. Offset Fencing

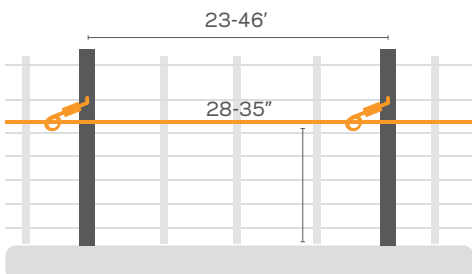
Offset brackets are fitted to a conventional fence with an electrified wire (or wires) on one or both sides of the fence. The wire discourages animals from biting or rubbing against the fence, thereby extending its life.

A variety of offsets are available to attach to wood post or t-post fences, or to mount directly onto the wires of an existing conventional fence (barbed wire, chain link, etc).

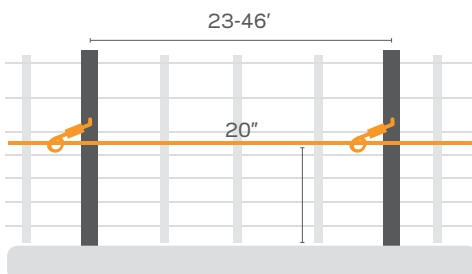
Once you've chosen your products, see below for the recommended offset electric fence set up for cattle, sheep, pigs, goats and horses.

Fence Set Up

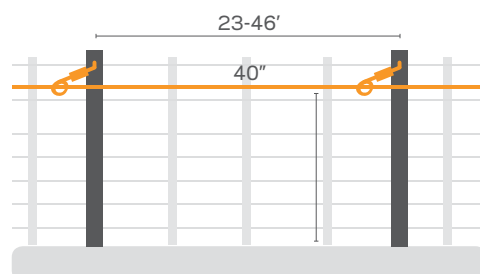
Cattle



Pigs, Sheep, Goats



Horses



Offset electric fencing is an economical and easy to install option if you have an existing or new non-electric fence that you want to protect.



Offsets come in many options including Porcelain. Porcelain insulators will not break down due to sun damage and are resistant to fire.



A side mount pigtail offset is a popular option for wood post fences. The side placement is ideal for smaller animals like sheep.



Offsets provide added protection for traditional fences. This protects your fence investment and extends the life of the fence.

4. Temporary & Portable Fencing

A temporary/portable electric fence can be powered by any Gallagher Solar or Battery Energizer or can be simply connected to a permanent electric fence supplied by a 110v powered Energizer.

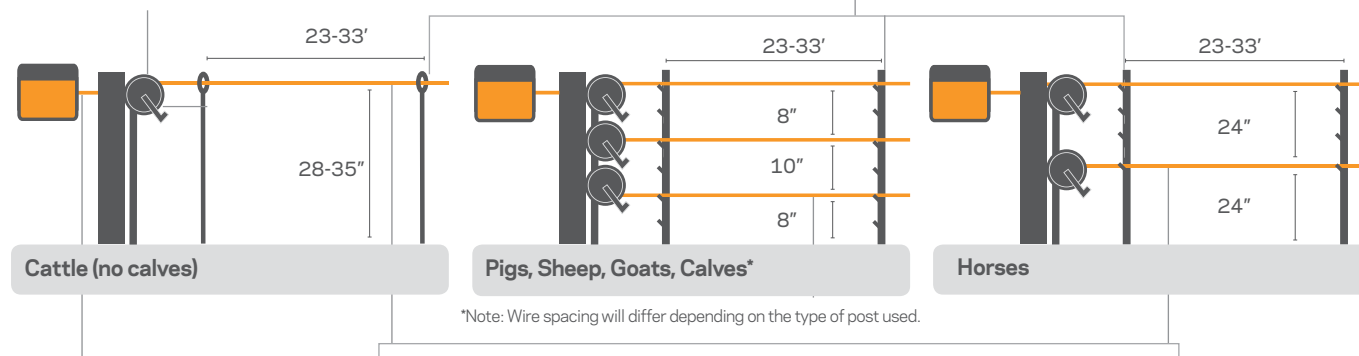
As portable fencing is so easy to move and set up it's a versatile solution for fencing any type of animal, even on the most remote area of your property.

Once you've chosen your products, see below for the basics you'll need for portable fencing and the recommended fence set up for cattle, sheep, pigs, goats and horses.

Fence Set Up

Reels hold the tape, braid or wire for the portable fence. You can use just one reel for single line fences or up to three reels, attached to a reel stand, for multiwire fences.

Posts are lightweight yet sturdy. Pigtail and Ring Top posts are most popular for cattle fences. Multiwire treadins are used for all other animals.



Power Connectors are leads that connect a portable fence to an existing permanent electric fence.

Tapes, Wires and Braids are used on portable fences rather than the galvanized wire used on permanent fences. Gallagher conductors are ideal for portable electric fences as they are light, visible and easy to wind.



The multiple lugs on Multiwire Treadins allow attachment of a number of wires at different heights to accommodate a variety of animal types.



Ring Top Posts are a popular choice for cattle farmers. A single electrified wire is sufficient to contain even the most temperamental animals.



The Smart Fence 2, is an all-in-one portable fence. This instant fence system combines posts, reels and wire in one easily transportable package.

38 Permanent Posts

Permanent Insulated Line Post, Clips & Tools

G74203 - 37" (excludes foot) - 10 Pack
 G74213 - 47" (excludes foot) - 10 Pack
 G74223 - 55 1/2" (excludes foot) - 10 Pack
 G74434 - Bag of 20 Wire Clips
 G74703 - Bag of 20 1 1/2" Tape Clips

Simple, low cost installation - Lightweight, no machinery needed.

Perfectly insulated - UV protected polyethylene limits fence faults that often result in a loss of power.

Multiple Configurable Wire Heights - Pre-formed wire attachment locations enable customized fence configurations

Highly durable - The strong yet flexible solid fiberglass core enables posts to flex when the fence is impacted, preventing broken or bent posts. 10 Year warranty.



LONG LIFE - High quality materials ensure a long life. A UV protected polyethylene sheath protects fiberglass from UV damage.

EASY TO TRANSPORT - Light, smooth and compact. Can be transported inside the farmer's vehicle which further reduces costs.

MULTIPLE CONFIGURABLE WIRE HEIGHTS - Pre-formed wire attachment locations enable many different fence configurations.

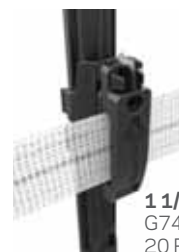
FLEXIBLE POSTS - The strong yet flexible solid fiberglass core enables the post to flex when the fence is impacted, preventing broken or bent posts, and minimizing animal injury.

HIGH STRENGTH CLIPS - GF nylon "snap-on" clips form a reliable connection - typically twice as strong as most conventional wood or steel post insulator systems.

STRONG GROUND ANCHORING - The multi-flanged foot design ensures strong ground anchoring, reducing the likelihood of post misalignment over time.



Wire Clips
 G74434
 20 Pack



1 1/2" Tape Clips
 G74703
 20 Pack



Post Driver
 G52501

A specially designed driver for the Insulated Line Post.



Pressure Plate
 G54301

Prevents Insulated Line Post from sinking on hills due to fence tension on abrupt rises. Great for wet ground.



Line Post Sleeve
 G53002 - 45"

The Line Post Sleeve prevents flex when driving Insulated Line Posts into hard ground.



Line Post Lifter Attachment
 G52701

Attaches to most Steel Post Pullers/ Lifters to safely pull out the Insulated Line Post from the ground

7/8" Fiberglass Fence Post

Use where a permanent fence post is required. Often used in feedlots or near buildings where animals may be pushed into the fence. These posts are pre-drilled every 2" for convenient wire spacings with exception of bottom 18" on FRP60, FRP66 and FRP72.

25 Year UV protection warranty.



Fiberglass Post Clips
 G704004

Made of galvanized, mild steel. Fast and easy design to use.



Fiberglass Stay Clips
 G70200

Made of galvanized mild steel. The tight tie prevents slipping.



AFRP48 - 48" AFRP66 - 66"
 AFRP60 - 60" AFRP72 - 72"

Tumblewheel

G63800

Enables you to quickly and easily roll a fence line to a new position. The Tumblewheel's unique center hub maintains power while the fence is being moved. It can also be used on flat, very hard and frozen ground. The legs remain live except for the two legs that are on the ground.

Where several breaks are needed in one paddock, Tumblewheels are ideal for quick and efficient rationing of grass. This fence consists of a number of electrified 'wheels' spaced across the pasture. Fences up to 660' and is easily managed from one end. 66' spacing of Tumblewheels is achievable on level ground.

The wheels are held upright with the tension of the single line fence which passes through the center. When one or both ends of the fence is moved, the wheels roll along. When you stop, the fence stops.



POSTS (All heights are from the foot)



Pigtail Standards – the most popular option for dairy & beef cattle

Standard Pigtail G64219

Ideal for softer ground, welded foot design reduces tangling.



Heavy Duty Pigtail G64245

Ideal for hard ground. 42" (including spike).

Crimped foot to ensure shaft strength.



Fiberglass Rod Post A635 - White

.375" x 48". Made of highly visible white fiberglass.

Use with A636 Quick Clip.



Multiwire Treadins – multiple lug positions for many animal types

Double Foot Treadin G72413

This very sturdy and durable plastic post is 42" high (including spike) with 9 numbered lugs designed for virtually all animal types.



Heavy Duty Treadin G636054 White G63655 Orange

UV stabilized plastic treadins with up to 9 lugs for positioning wires and tape.

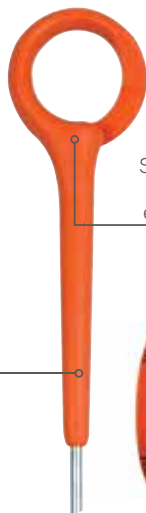
42" high (including spike)



Ring Top Post

G72315

With a head that will not wear through, a super strong foot plate that will not bend under pressure and a sleek design that significantly reduces tangling, the Ring Top Post combines more strength with less frustration. 33" in height.



No more tangled posts!

Super tough over-moulded nylon prevents wear and eliminates risk of shorting

Long insulation section strengthens shaft and help prevent shocks when handling

Post mount can attach S10/S16/S20 Solar Energizers to a Ring Top Post. **See page 44.**

Long grip section for holding post while picking up live fence wire – reduced chance of shock

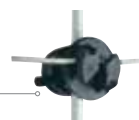
Optimized foot size with tread grip for ease of install and minimal entangling points

Rod Post Screw-on Claw Insulator 3/8" fits Ring Top Post for additional wires. **See page 28.**

Over-moulded Nylon foot design will not bend. Easier to put weight onto and punctures the ground

Special flat section to hold wire/tape when fence is held down for access – no cut/no shorting

Blade design to prevent rotation and ease of installation in hard ground



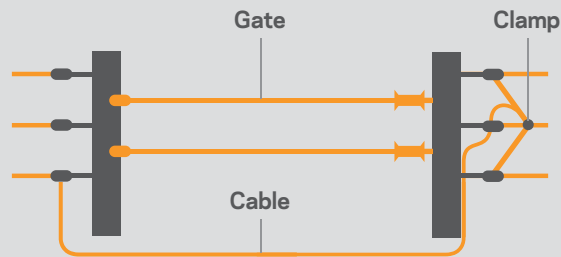
40 Gate Kits and Gate Accessories

How to compare under gate cable

Choosing higher conductive under gate cable will ensure maximum power transfer between the two fence sections. Look for the lowest resistance rating per mile.

Soft cable is easier to strip while hard cable offers the best protection in the ground (note Gallagher recommends cable be installed through pipe for ultimate protection, especially in rocky ground).

Electric Gate



ELECTRIC GATE HANDLES



Heavy Duty Gate Handle G639304



Flat hook for maximum electrification and extra safe handle which pulls out on impact. Heavy-duty tension spring.

Gate Handle G691104 (White)



Large shield on handle to protect from shocks.

Gate Handle G689404 (Green)



Highly visible green insulated handle. Large shield on handle to protect from shocks.

Insulgrip G606304



Insulated hook for quick and secure attachment of portable fences.

Rubber Grip Gate Handle G69603 (for Tape)



Premium gate handle with comfortable rubber grip handle, and unique internal overstretch protection.

G69703 (for Wire)



Wire and tape versions available.

Quick & secure portable fence attachment to permanent electric fence wire. The Dual Purpose Handle option provides flexibility to live the fence from either the reel or handle end.

Insulated Handle G73730



Dual Purpose Handle G73830



SINGLE STRAND KITS



All Gallagher gate kits include a high visibility flag.

Electric High Visibility Spring Gate G64010



Highly visible electrified gate with insulated gate handle. Gate width is up to 16.5'.

Kit includes: insulator 3-way gate anchor, gate handle and all metal galvanized and powder coated spring.

Electric Tape Gate G64100



White 1.5" tape and insulated gate handle for high visibility. Gate width is up to 16.5'. Includes stainless steel tape joiners.

Electric Bungy Gate G64050



Highly visible shock cord that stretches to 11.5' to 23'.

Kit includes: insulator 3-way gate anchor, gate handle and bungy cord with UV stabilizer.

GATE ACCESSORIES



Multi Post 3-Way Gate Anchor G649114



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.

One-Hand Gate Latch F0202U



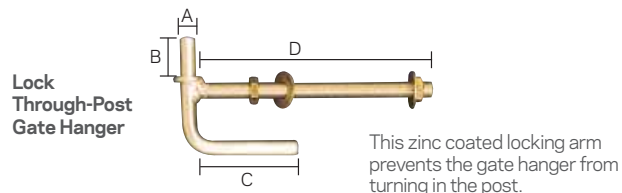
Includes two staples and a 14" chain that is easy to attach and can be padlocked. Made from silver zinc passivate material.

Bungy Cord Roll G89106

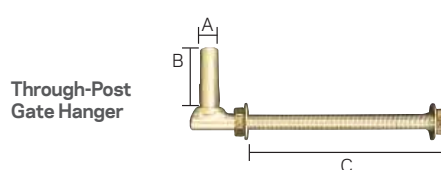


Replace existing bungy gate cord. 165' roll.

GATE ACCESSORIES



	A	B	C	D
F0042U	.625"	1.625"	4"	10"
F0046U	.75"	2"	4"	14"



	A	B	C
F0023U	.625"	1.625"	10"
F0029U	.75"	2.75"	14"

This zinc coated long pin (B) makes gate hanging easier by allowing the gate to slide down the long pin before engaging a short bottom pin. The long pin can be padlocked.

Standard Strap Hinge
F0125U



Zinc coated strap hinge that measures .625" x 12".

Heavy-Duty Strap Hinge
F0132U



Zinc coated strap hinge that measures .75" x 15".

OTHER GATE KIT OPTIONS

**Multi Strand Gate**

G71804 4 Strand 26' (sheep)

A low cost, all-in-one permanent electrified gate option with multiple live strands, for practically any width gateway. It's easy to setup and use - open/ close with one hand.



- Two or four strand option: Two strand for cattle and four strand for sheep
- Extendable tape lengths to fit desired gate width. Holds .5" tape (included) or 1.5" tape (clips included)
- Quick and easy to install. Simply attach to existing gate posts using supplied mounting hardware
- Simple, safe electrification as a live hook provides power to gate when closed and disconnects power when opened
- Easy to repair. If one strand breaks, simply change out the tape



42 Netting & Electric Fence Kits



Poultry Net

A207015

- 48" High prefab electrical fence with 12 horizontal lines
- 164' Long
- ½" Diameter white PVC posts every 10'
- Double 6" spikes on each post for support.



ElectroNet

A201000

- 35"x 164' Roll
- 8 conductive horizontal wires
- White plastic vertical struts every 12"
- Roll complete with all posts, just unfold and set the posts
- Impenetrable mesh fencing for sheep, goats, coyotes and dogs

Pos/Neg ElectroNet

A201200

- 35" Tall prefab fence with vertical struts every 12"
- 164' Long
- For dry areas; good for sheep, goats and cattle

Smart Fence 2 G70000

A quicker and easier all in one instant fence system, the Smart Fence 2 re-defines portable fencing.

- Instant portable fence system
- Easy to carry and store away
- Highly effective safe animal control
- System includes 4 wires, 10 posts, 328' length
- Compatible with Gallagher Energizers - Energizer is not included



Horse Corral Kit

A155

A light weight (16 lb), complete in a bag kit for a 40' square corral. Quick and easy to assemble. Great for pack trips, horse shows or any event requiring a temporary enclosure.

- 1 B11 Energizer
- 1 Insul-Grip Gate Handle
- 1 Turbo Braid Spool
- 1 Ground Rod
- 10 Pigtail Posts



Garden & Backyard Protection Kit

A600

This kit is an easy do-it-yourself electric fence that fences a 50' x 50' area with three adjustable wires. It is a perfect fit for a residential consumer that is interested in an easy and affordable way to protect their garden, landscape or new plantings. Essentially tool-free and can be installed in 1 hour or less. Energizer operates on common 'D' cell batteries - no electric outlet or extension cord is used.

- 8 - 48" x 3/8" Fiberglass Posts
- 2 Bags 3/8" Clips
- 1 Poly Wire 656'
- 1 - 3' Ground Rod
- 1 B10 Energizer



44 Fence Tools & Fence Accessories

FENCE TOOLS



Fencing Pliers and Wire Cutter
G52200



Specifically designed for cutting, stripping and bending electric fence wire with minimum wire damage.

Strainer Handle
G69530



Spring loaded ratchet strainer handle for quick adjustment of wire strainers (fits most varieties of ratchet strainers).

In Line Wire Tightener Handle
A644



Tightener handle for Gallagher in-line wire strainers (G64304).

Ratchet Wire Tightening Tool
G645004



In line wire tightener handle with super smooth ratchet action, to be used with Gallagher in-line wire strainers (G64304).

Wire Twisting Tool
G523004



Ideal for installing clips on posts and droppers.

4 Groove Wire Crimping Tool
A609



20" Long 4-groove, robust tool for crimping wire joiners and splicing wire.

2 Groove Wire Crimping Tool
A609A



2 Groove, robust, tool for crimping wire joiners and splicing wire.

High Tensile Wire Cutter
G524



9" long high tensile wire cutter.

Poly/Turbo Wire Tensioner
AXLT8



Holds Poly Wire, Turbo Wire, .5" Poly Tape, .5" Turbo Tape and Turbo Braid.

Warning Sign
G602404

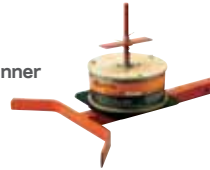


A highly visible sign that warns that a fence is electrified. Required by law, to be used on boundaries and anywhere else public have access to a fence.

FENCE TOOLS



Pay Out Spinner
A308



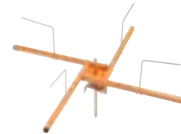
A necessity for building permanent fence. The adjustable break keeps wire from overwinding and it attaches to a 2" receiver.

HD Spinning Jenny
A309



Accommodates all standard wire sizes. Adjustable break keeps wire from overwinding.

Spinning Jenny
A305



Accommodates up to a 100 lb. roll of wire.

Wire Payout Spinner
A304



Adjustable break keeps wire from over-winding. Handles 4,000' and 2,640' spool of hi-tensile wire or 1,000' of Equine Fence.

Drill Chuck
G71300



Drill chuck for #G66604 Screw-In Ring Insulators.

Post Mount
G57110



Used to mount S10, S16 & S20 Solar Energizers to Ring Top Posts.



Fence construction is made easy with Gallagher's range of durable, easy to use fence tools.

Gallagher Weighing & EID Systems

Features	TSi 2	TWR-5	TW-3	TW-1	W210	W110
OPERATION & DATA COLLECTION						
Manual and automatic weight locking options	▪	▪	▪	▪	▪	▪
Internal rechargeable battery	▪	▪	▪	▪	▪	
Compatible with Gallagher Loadbars and Heavy Duty Loadbars	▪	▪	▪	▪	▪	
Assign visual tag against weight and EID number	▪	▪	▪	▪		
Calculates average daily weight gain and carcass weight	▪	▪	▪	▪		
Max number of weigh records	1,000,000+	1,000,000+	1,000,000+	1,000,000+		
Number of traits recorded per session	20	9	3			
Individual animal notes and weight recorded	▪	▪	▪	▪		
Multiple custom trait definitions (i.e. condition score, genetics etc.)	▪	▪	▪			
Weight based calculations (eg dose weight)	▪	▪	▪	▪		
Advanced customized calculations based on recorded animal data	▪	▪				
Review full animal history in the yard	▪	▪	▪	▪		
Manage treatments and associated withholding periods	▪	▪	▪			
View animal pedigree information in graphical family tree	▪	▪				
DRAFTING						
Maximum number of draft groups	9	9	9	9		
Liveweight drafting	▪	▪	▪	▪		
Drafting by weight gain	▪	▪	▪	▪		
Drafting by electronic ID number	▪	▪	▪	▪		
On screen drafting statistics recorded	▪	▪	▪	▪		
Automatic drafter interface	▪	▪	▪	▪		
CONNECTIVITY						
Automatic load bar recognition & calibration	▪	▪	▪	▪	▪	▪
Bluetooth connection to EID readers	▪	▪	▪	▪		
WiFi connectivity	▪	▪	▪	▪		
SOFTWARE						
Compatible with Gallagher Smartphone Apps	▪	▪	▪	▪		
Animal Performance Software (APS) Standard for basic data analysis	▪	▪	▪	▪		
Animal Performance Software (APS) Professional for advanced stock analysis	▪	▪				

46 Entry Level Weigh Scales



Weigh Scale Indicator W110

G01021

Easy collection of weights for livestock & general purpose weighing

Includes Weigh Scale Indicator, Mount Bracket & Loadbars

- Tough construction for all weather outdoor use
- Battery powered convenience (4 x AA batteries sold separately)
- Plug and play system enables easy portability
- 3,300 lb weighing capacity
- 2 Year warranty



Battery powered - requires 4 "AA" batteries (sold separately)

Easy to use - modern design with large intuitive touch buttons

Flexible weighing options - three modes for weighing both static weights and livestock

Robust - loadbar connectors

Durable - protected cables to minimize damage in the yard/weighing site



Loadbars Precalibrated to indicator

Galvanized steel chassis construction for long life

Fits most sizes of platform with top-mounting holes



Use Gallagher scales and electronic identification readers to maintain records and prepare your livestock for shows & competitions.

W210

G012504

Easy collection of weights for livestock & general purpose weighing

- Tough, shock and waterproof case
- Large labeled push buttons
- Large rotary dial
- Three weighing modes for quick and easy weighing: auto, manual and fine
- Compatible with most loadbars
- Internal rechargeable battery
- Large, easy to read display
- Simple operation



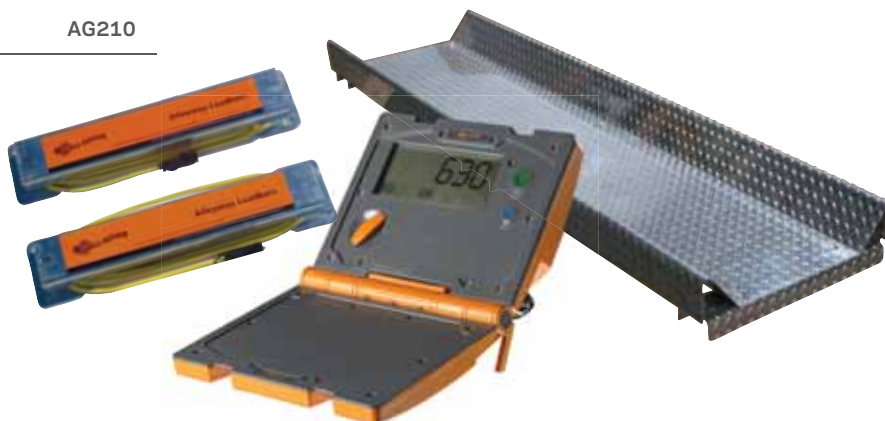
W210 Package

AG210

Entry level weighing system for producers. Get it all in one package deal!

Includes: W210 Indicator, Alleyway Loadbars, and Platform.

See page 51 for Alleyway Loadbar and Platform details.



Weigh scales offer a quick return on investment, that is usually seen within the first year of installation.



48 Weighing, Data Collectors

TW-1 Weigh Scale Indicator

G02601

Simple to operate, touch screen weigh scale. Collect data to optimize animal performance.

- Bright, high clarity, daylight readable color touch screen
- Simple to use interface
- On screen product manual
- Flexible mounting options
- Multiple connectivity options
- Set animal notes and alerts
- Draft by weight, weight gain or EID list
- Built in graphs and data analysis at your fingertips
- 1 year warranty

Market leading touch screen technology - Full color, outdoor readable touch screen. Large 7" screen, shows weight and gain information in an easy to read font.

Animal data analysis on device - Shows individual weight gain graphs, as well as weight distribution plots for all animals within a weighing session.

Ultimate user experience - Design of the scale and execution of common tasks have been rigorously tested to ensure the scale is easy to navigate and that we are able to deliver the best customer experience on the market.

On board help, 24/7 - The entire product manual is loaded into the product. No matter where you are, or what you are trying to do help is only one click away.

Animal notes and note alerts - Record notes against animals on the spot for later review. Notes alert the operator when the animal's tag is read.

Tough, rugged exterior - Toughened, scratch proof glass screen makes it suitable for all environments.

Flexible connectivity options - Whether connecting to drafters or readers via a serial cable, to a PC via USB or utilizing the Bluetooth and WiFi wireless options, the TW-1 has every option available.



The TW-1, TW-3 & TWR-5 come in a heavy duty bag, conveniently packaged and ready to go - Just connect to your Gallagher loadbars and you have everything you need to start weighing:

- Tough and convenient Gallagher carry case
- Mounting bracket
- Micro-fiber screen cloth
- Battery charging cable
- 110v charging cable
- USB drive loaded with APS software
- USB cable for data transfer to PC



TW-3 Weigh Scale Indicator & Data Collector

G02603

Simple to operate, touch screen weigh scale. Collect data to optimize animal performance.

All the features of the TW-1 plus:

- Full QWERTY keyboard
- Record weight, life data and traits. Ideally suited to producers wanting to record and review more information than simply the weight of their animals. Can record up to three traits per session
- Record treatments on the spot. Animals can be weighed and administered the correct dose rate and the information recorded on the weigh scale at the time of treatment
- You can draft by weight or recorded trait and/or life data. Recorded data draft examples: bred, preg or open, lot or pen, property, breed, sex or color

Market leading touch screen technology - Full color, outdoor readable touch screen.

On board help, 24/7 - The entire product manual is loaded into the product. Help is only one click away.

Record treatments on the spot - Animals can be weighed and administered the correct dose rate, all recorded on the weigh scale at the time of treatment.

Animal notes and note alerts - Record notes against animals on the spot for later review. Notes alert the operator when the animal's tag is read.

Animal data analysis on device - Shows individual weight gain graphs, as well as weight distribution plots for all animals within a weighing session.

Record life data and traits - Ideally suited to producers wanting to record and review more information than simply the weight of their animals. Can record up to 3 traits per session.

Ultimate user experience - Execution of common tasks have been rigorously tested to ensure that we are able to deliver the most customer friendly experience on the market.

Tough, rugged exterior - Operator ready, tough design.

Flexible mounting options - Easy to use sitting flat, or mounted to a vertical surface. The adjustable mounting bracket allows you to easily tailor the viewing angle for optimum visibility.



TWR-5 Weigh Scale & EID Reader

G02606

Simple to operate, touch screen weigh scale. Advanced data collection to optimize animal performance.

All the features of the TW-1 & TW-3 plus:

- Built in EID Reader connects to panel antennas (panel antennas not included)
- Can record up to 9 traits per session



50 Weighing, Data Collectors

TSi 2

G01901

FASTER PROCESSOR MORE MEMORY IMPROVED SCREEN

An animal weighing and data collection system for improved livestock management and performance. The TSi 2 provides immediate access to detailed animal information, anywhere, at any time – in the sale barn, the office or on the ranch.



Intuitive software - Supplied with award-winning Animal Performance Software (APS Professional), for analysis and reporting to provide virtually any information you need.

Rugged exterior - Tough ranch/farm ready design for all-weather use.

Rapid, accurate, automatic weight capture.

Customizable sessions - Easily customize weighing and data recording sessions to collect specific traits, activities, notes etc.

Simple recording and retrieval - Collection of comprehensive data and retrieval of information at the touch of a button, while in the yard.

Exceptional connectivity - Bluetooth wireless connection and full integration with loadbars, EID readers, auto drafters and other management software.

Easily transfer data - WiFi enabled to allow upload of data directly to web and share with third parties.

Significant memory capacity - Entire life history of all animals stored for on-site viewing - over one million animal records can be stored.

Comprehensive drafting - Draft by weight, EID number or custom defined rules.

Touch screen - Full color outdoor readable touch screen with large touch buttons.



**ANIMAL PERFORMANCE SOFTWARE
(APS PROFESSIONAL INCLUDED)**
Analyze data and upload in three easy steps.

Comes with carry case, memory stick and mounting bracket.
Dimensions: 14" (w) x 11" (d) x 3.5" (h) 29 lbs (excluding power supply)



Alleyway Loadbars

G06000



- 4,400 lb weighing capacity in 23" length
- Rugged galvanized steel chassis
- Bottom feet-mounting holes extend beyond top covers for ease of bolting down
- Slotted top-mounting holes fit most sizes of platforms
- 19.6' long, tough polyurethane loadbar cables with spring wire protection
- Fitted with high quality, moisture proof connectors
- Fully water resistant
- No rubber mounts
- 2 Year warranty

Heavy Duty Loadbars

G06300



- 7,700 lbs weighing capacity in 39" length
- High capacity load cells are able to withstand large shock loads
- Heavy galvanized steel chassis construction to withstand the harshest environments
- Bottom feet-mounting holes extend beyond top covers for ease of bolting down
- 19.6', tough polyurethane loadbar cables with spring wire protection
- Fitted with high quality, moisture proof connectors
- Fully water resistant
- No rubber mounts
- Designed for a manual squeeze chute
- 2 Year warranty

Super Heavy Duty Loadbars

G06400



- All of the features of the Heavy Duty Loadbars but have 9,900 lbs weighing capacity in 39.3" length. These loadbars are made from galvanized steel and are powder coated
- Designed for manual chute or hydraulic chute
- 2 Year warranty

Heavy Duty Weigh Feet Kit

G05420



- Five tough, stainless steel weigh feet for easy mounting under cattle chute and custom platforms. One extra loadcell supplied in kit for easy replacement and no down-time
- 11,000 lbs weighing capacity
- Fast and easy loadcell replacement without major lifting
- High accuracy corner to corner performance for demanding weighing requirements
- Designed for manual chute or hydraulic chute

Aluminium Platform

G05900

- A high-strength platform designed to fit Gallagher 4,400 lbs. alleyway loadbars and most other branded loadbars
- Combine strength and portability to reduce the time and hassle involved in setting up weighing sessions
- Dimensions: 86.5" long, 24.5" wide; Platform weighs 49 lbs.



Smart Reader Electronic Controllers



G03113

- HDX and FDX-B and ISO Tag compatible
- No antenna tuning required
- Can be used with either antenna panel below

R Series Electronic Controller

- Electronic controller for livestock identification
- Requires external 12 volt power source (not included)



G03111

BR Series Electronic Controller

- Battery powered electronic controller for livestock identification
- Internal rechargeable battery
- Easy to read battery charge indicator
- Internal memory stores 20,000 tags
- Tag counter display screen records animals scanned
- Download stored records to computer
- Replacement battery A738



Cattle automatically identified by BR Series as they enter the handler.



BR Series automatically provides ID number to Weigh Scale Indicator enabling accurate collection of individual sheep weights.



Integrated BR Series and Weigh Scale Indicator system on cattle handler.

Smart Reader Panel Antennas

- Suitable for walk past identification applications
- HDX and FDX-B ISO compliant panel
- Waterproof antenna panel
- Mounting hardware supplied
- Can be used with either electronic controller above

Large Panel Antenna

Dimensions: 23.5" W x 51.5" H

Small Panel Antenna

Dimensions: 15.75" W x 23.5" H



G031424



G03121

SCALE ACCESSORIES

20' Loadbar Extension Cables

- 4,400 lbs Loadbar (G05000)
- 7,716/9,900 lbs Loadbar (G05100)
- 20' long, tough polyurethane loadbar cables
- Fitted with high quality, moisture proof connectors



15' Double Antenna Cables

- Double antenna cables designed to link two panels to one reader.
- G05606 - Use with small and large antenna panels.



110V Adaptor 2M1695

Scale Bracket 4G2209

Gallagher Hand Held EID Tag Readers are the perfect tool for portable EID data collection.

HR5

G03303

Record, edit and customize data anywhere.



HR4

G03302

Easy recording of pre-defined animal data against EID tag numbers.

- Large display clearly shows visual ID and EID tag numbers to confirm the correct animal information is being collected
- Choose multiple traits to record against each animal such as breed, sex, condition score and pregnancy status
- Sort group name is highlighted on the screen for easy reference with optional group colors
- View past traits, activities and life data recorded against an animal



54 Stock Prods & Accessories

Strong, safe and instant power for an effective, durable and inexpensive option to keep livestock moving, wet or dry.

Heavy Duty SG240 Two year warranty



Sealed replaceable motor

Moisture proof one piece handle

Balanced and comfortable hand grip

Safety wrist strap with button locking clip

Standard SG150 One year warranty



Disposable batteries included

Stock prod shafts

32"
SG082

36"
SG091

42"
SG107



- Large attachment nut to help reduce breakages
- Brass contact points for positive results
- One year warranty

* Note: Length includes handle

54" Sorting Pole SG006

- Orange fiberglass shaft
- Heavy duty rubber tip
- Golf grip handle



48" Sorting Paddle SG007

- Noise makers inside
- Golf grip handle



Handy Shock SG001

- Only 9.4 ounces
- Pocket size
- Includes 4 "AA" batteries
- 1 Year warranty

**QUALITY
WATER
PROMOTES
LIVESTOCK
RATE OF GAIN**

Miraco Watering Tank Systems

Miraco has been offering healthy, clean, fresh livestock water systems to producers since 1974.



Miraco tanks can withstand cold temperatures without freezing



5 Year warranty offered on all Miraco Tanks



Poly construction makes these tanks durable. Multiple color options available on select tanks

Miraco perfected energy-free watering systems and was the first to manufacture automatic livestock waterers from poly materials. Join other livestock producers who enjoy the innovative features of Miraco Livestock Watering Systems.



E-Fount Waterers

E-Founts are the most economical electric heat waterers available today.

All E-Founts come equipped with a 75 watt heat element and thermostat. E-Founts only require 4 kilowatts of electricity during a week of -25 F temperatures.

MiraFount Waterers

MiraFount Tanks were the first livestock tanks in the world to be developed energy free. These innovative tanks have 2-3" of urethane insulation and have extra installation above the valve area. Water stays cool in warm temperatures and does not freeze in cold conditions.

MIRACO
Automatic Livestock Waterers

Our real business is you.

56 Miraco Livestock Waterers

MiraFount A3390



Capacity: 150 head beef
60 head dairy

Gallons: 44

Specifications: Two 10" openings/
10.75" ball closures

Dimensions: 43"x 29"x 27.5" (L x W x H)

Weight: 129 pounds (58 kg)

Energy Free

- Split top-end panels can be easily removed to help get new cattle started fast. Or, remove the panels to provide more capacity for a few extra head. Stainless Steel anchor bolts are included

E-Fount A3390-E



Energy Efficient
Heat Element: 75 Watts

MiraFount A3330



Capacity: 50 head beef
25 head dairy

Gallons: 15

Specifications: One 8.75" opening/9" ball closure

Dimensions: 28"x 26"x 21" (L x W x H)

Weight: 57 pounds (26 kg)

Energy Free

- Stainless Steel anchor bolts are included

E-Fount A3330-E



Energy Efficient
Heat Element: 75 Watts

MiraFount A3465



Capacity: 100 head beef
40 head dairy

Gallons: 20

Specifications: Two 9.25" openings/10" ball closures

Dimensions: 36"x 24"x 18" (L x W x H)

Weight: 79 pounds (36 kg)

Energy Free

- Stainless Steel anchor bolts are included

E-Fount A3465-E



Energy Efficient
Heat Element: 75 Watts

MiraFount A3345-S



Capacity: 75 head beef
30 head dairy

Gallons: 30

Specifications: One 10" opening / removable top

Dimensions: 29" x 31" x 26.5" (L x W x H)

Weight: 95 pounds (43 kg)

Energy Free

- Stainless Steel anchor bolts are included

E-Fount A3345-E



Energy Efficient
Heat Element: 75 Watts

MiraFount A3354-S

Energy Free

Capacity: 200 head beef
90 head dairy

Gallons: 70

Specifications: Four 9.5" openings / 10.75" ball closures

Dimensions: 57.5" x 32.5" x 27" (L x W x H)

Weight: 152 pounds (69 kg)

- Removable top-end panels help get new cattle started fast or provide more capacity for a few extra head

E-Fount A3354-SEEnergy Efficient Heat Element:
Two 75 Watt Heaters**MiraFount** A3340

Energy Free

Capacity: 100 head sheep

Gallons: 15

Specifications: Four 6" openings / 7" ball closures

Dimensions: 28" x 26" x 20" (L x W x H)

Weight: 57 pounds (26 kg)

- Stainless Steel anchor bolts are included

E-Fount A3340-EEnergy Efficient
Heat Element: 75 Watts**MiraFount** A3410

Energy Free

Capacity: 100 market hogs
50 sows

Gallons: 6

Specifications: Two lift up lids / 10" openings

Dimensions: 34" x 19" x 16.5" (L x W x H)

Weight: 57 pounds (26 kg)

Drinking Height: Low drinking profile for small pigs

- Two large drain holes with rubber plugs for easy cleaning

E-Fount A3410-EEnergy Efficient
Heat Element: 75 Watts**MiraFount** A3410-4

Energy Free

Capacity: 200 market hogs
100 sows

Gallons: 15

Specifications: Four lift up lids / 10" openings

Dimensions: 34" x 36.5" x 16.5" (L x W x H)

Weight: 98 pounds (45 kg)

Drinking Height: Low drinking profile for small pigs

- Two large drain holes with rubber plugs for easy cleaning

E-Fount A3410-4EEnergy Efficient
Heat Element: 75 Watts

58 Miraco Livestock Waterers

MiraFount

A3370-S



Capacity: 250 head beef
120 head dairy
200 cow/calf units

Gallons: 100

Specifications: Six 9.5" openings/ 10.75" ball closures

Dimensions: 57.5"x 45.5"x 28" (L x W x H)

Weight: 216 pounds (98 kg)

- Features removable end panels to help get new cattle started fast or to provide more capacity for a few extra head. Two valves are provided for fast recovery



Lil'Spring Tank Waterers

Features:

- One-piece body polyethylene construction
- No sharp edges
- Tough high impact resistant "Rockite" material to stand up to livestock abuse
- Resistant to corrosion
- Removable dome for quick and easy access to the valve area
- 2-3" urethane foam insulation
- Molded base unit anchors (stainless steel anchor bolts are included with all models)
- Sloped bottom for easy cleaning
- Sealed bottoms
- Color options are available
- Optional heater may be added

Lil'Spring

A2700



Capacity: 100 head sheep

Gallons: 6

Dimensions: 28.75" x 17.5" x 24.5"
(L x W x H)

Weight: 40 pounds (18.15 kg)

Heat: Optional, 250-watt submersible heater (A160)

Lil'Spring

A2800

Capacity: 20 head beef
20 head horses

Gallons: 4

Dimensions: 20" x 16" x 19"
(L x W x H)

Valve: Miraco automatic plastic

Weight: 40 pounds (18 kg)

Heat: Optional 110-volt, 250-watt submersible heater (A160)



- 200 psi hose w/shut off valve included
- Attractive design; five color options: Gray, Standard Blue, Black or Hunter Green

Lil'Spring

A2900

Capacity:	40 head beef 40 head horses
Gallons:	6
Dimensions:	30.5" x 16.5" x 19" (L x W x H)
Valve:	Miraco automatic plastic
Weight:	48 pounds (18 kg)
Heat:	Optional 110-volt, 250-watt submersible heater (A160)



- 200 psi hose w/shut off valve included
- Anchor bolts are included
- Attractive design; five color options: Gray, Standard Blue, Black or Hunter Green



"I'm only interested in the best for my horses and Miraco watering systems are the best. These are strong, durable systems ergonomically designed to make it easy for the horse to get access to drink. Miraco products are also safe for the horse, and that's really important to me."

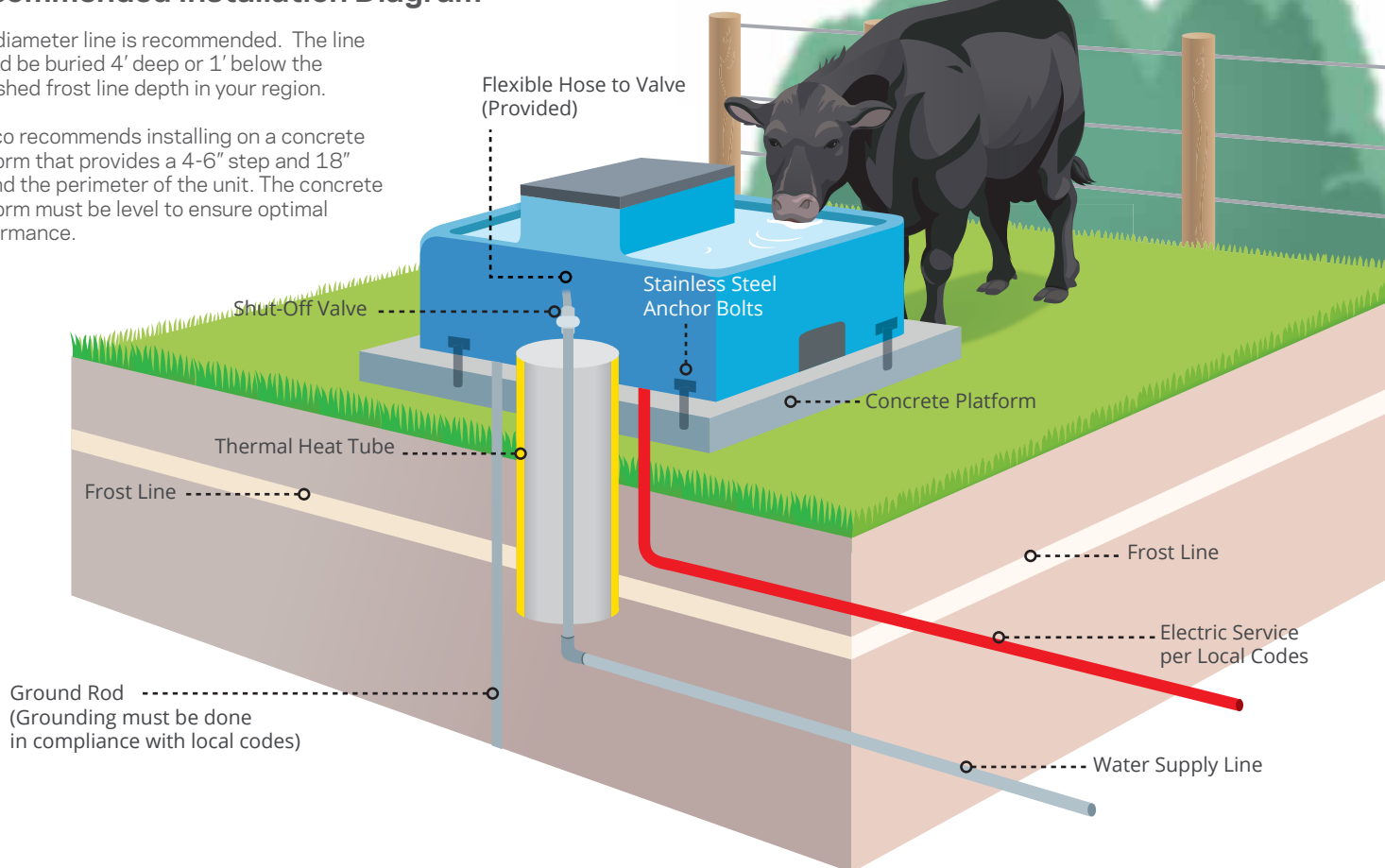
Curt Pate

World-renowned South Dakota horse trainer and clinician, film consultant and author

Recommended Installation Diagram

A 1" diameter line is recommended. The line should be buried 4' deep or 1' below the published frost line depth in your region.

Miraco recommends installing on a concrete platform that provides a 4-6" step and 18" around the perimeter of the unit. The concrete platform must be level to ensure optimal performance.



60 Miraco Livestock Waterers

Lil'Spring

A3000



Capacity: 30 head beef
30 head horses
50 head sheep
Gallons: 5
Dimensions: 24" x 22" x 15" (L x W x H)
Valve: Miraco automatic plastic
Weight: 48 pounds (22 kg)
Heat: Optional 110-volt, 250-watt submersible heater (A160)

- 3" offset drain
- Bottom drain for inside use. 2" threaded fitting underneath for PVC plumbing
- Installs easily on most existing concrete pads.
- Stainless steel anchor bolts included

Lil'Spring

A3100DS



Capacity: 100 head beef
50 head dairy
Gallons: 8
Dimensions: 36" x 22" x 22" (L x W x H)
Valve: Miraco automatic plastic
Weight: 75 pounds (34 kg)
Heat: Optional 110-volt, 250-watt submersible heater (A160)

Lil'Spring

A3200



Capacity: 150 head beef
75 head dairy
Gallons: 25
Dimensions: 48" x 24" x 30" (L x W x H)
Valve: Miraco automatic plastic
Weight: 98 pounds (45 kg)
Heat: Optional 110-volt, 250-watt submersible heater (A160)

- Large access panel for easy access to valve area with spring load clips
- 3" offset drain
- Access panels at both ends
- Installs easily on most existing concrete pads
- Constant flow available
- Stainless steel anchor bolts included



Lil'Spring

A3500



Capacity: 225 head beef
110 head dairy

Gallons: 40

Dimensions: 42" x 42" x 26" (L x W x H)

Valve: Miraco automatic plastic

Weight: 145 pounds (65 kg)

Heat: Optional 110-volt, 500-watt submersible heater (A162)

- 168" Drinking space
- Quick release valve access cover
- Diagonal valve compartment lets more cattle drink
- 24" hook-up hose with shut off valve
- Stainless steel anchor bolts
- 2 Bottom drains
- Teflon coated

EquiFount features smooth rounded edges for safety with minimum intrusion on stall space

**EquiFount Corner Mount**

A1100



Dimensions:
16" x 16" x 14"
(L x W x H)

EquiFount Wall Mount

A1200



Dimensions:
16" x 16" x 14"
(L x W x H)

Capacity: 1 Horse

Gallons: 1

Drinking Height: 26" (66 cm)

Heat: Optional 110-volt, 250-watt submersible heater (A276)

- Smooth rounded edges for safety
- Durable 100% polyethylene construction; urethane foam insulation
- Easy valve access; one-screw, quick water level adjustment
- Four-bolt installation
- Plumb from above or below
- Ample drinking space; plentiful water supply with minimal waste
- Large easy drain; no disassembly required
- Attractive design; five color options: Gray, Standard Blue, Black or Hunter Green

EquiFount Insulated Ext Tube

A834-5



- Cold barns are not a problem for EquiFount waterers. This insulated extension tube allows water line to enter from below without freezing
- Rubber plug can be removed for access to water shut-off valve

62 Miraco Livestock Waterers

BigSpring Waterers are the preferred choice of cattle & dairy producers

BigSpring

A6000



Capacity: 250 head beef
100 head dairy
Gallons: 60
Dimensions: 90"x 33"x 24" (L x W x H)
Weight: 215 pounds (97 kg)

- Optional 500 watt heater (110 or 220 volt - A162)
- Optional constant flow (30 or 60 gallon level)
- Water spray for attracting new cattle to water
- 3" (8 cm) drain hole with rubber plug for rapid cleaning
- Removable dome for easy access to valve area
- Spring-loaded clips - no wrenches required
- Rubber gasket for air-tight dome seal
- End panel access
- For cleaner water, neckrail to prevent cattle from standing in the water

BigSpring

A6100



Capacity: 110 head dairy
Gallons: 60
Dimensions: 80"x 36"x 24" (L x W x H)
Weight: 205 pounds (93 kg)

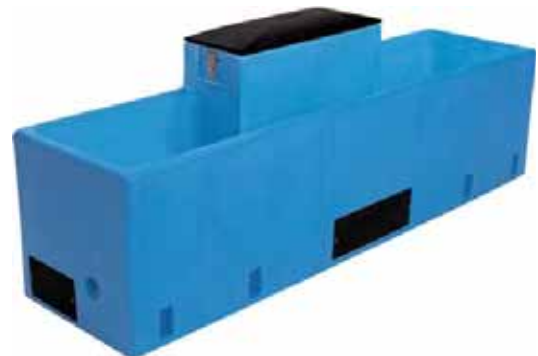
- Optional 500 watt heater (110 or 220 volt - A162)
- Flat back design fits flush with the wall
- Center between stalls or place one on each
- Curved front for full, easy access - no wasted space
- Pour foundation with a curve for easier cleaning
- No wrenches required for valve compartment access
- Rubber gasket for air-tight dome seal
- Recommended installation on 10" concrete riser or with neck rail
- Optional gravity fill assemble available
- Stainless steel anchor bolts included
- For cleaner water, neckrail to prevent cattle from standing in the water

BigSpring

A6200

Capacity: 200 head beef
100 head dairy
Gallons: 60
Dimensions: 84" x 22" x 22" (L x W x H)
Weight: 170 pounds (77 kg)

- Designed for free stall barns
- Flat back design for flush fit with a wall or panel
- Three access panels and no wrenches required for valve compartment access
- Two large 3" drains, severe slope for quick draining
- Rubber gasket for air-tight dome seal
- Optional 500 watt heater (110 or 220 volt - A162)



- For cleaner water, neckrail to prevent cattle from standing in the water
- Optional gravity fill assembly available

BigSpring

A6300

Capacity:	300 head beef 150 head dairy
Gallons:	110
Dimensions:	144" x 22" x 22" (L x W x H)
Weight:	275 pounds (125 kg)
Heat:	Optional 500 watt heater (110 or 220 volt - A162)

**Water Tank Accessories**

Hook Up Kits (A158) 2' rubber hose (200 psi) with shut off valve



Underground Shut Off Kit (A399-5) Comes with drain back

Insulated Heat Tubes (A834)

Outside Dimensions 14" x 30", Insulation is 2"
Weight: 16 pounds (7 kg)

Highly insulated tube shields incoming ground water from cold as it passes through the frost level. Polyethylene construction ensures years of trouble free use. One 20" tube and 3' of 12" plastic drainage tile provide sufficient heat in most locations. For northern locations two 30" heat tubes may be required.

**Automatic Valves (A336)**

GPM 14, Low pressure 5 - 40 psi

Automatic Valves (A521)

GPM 12.5, High pressure 40 -80 psi

Automatic Valves (A519)

GPM 6, Super high pressure 80 - 90 psi

**BigSpring**

A6400

Capacity:	250 head beef 125 head dairy
Gallons:	90
Dimensions:	120" x 22" x 22" (L x W x H)
Weight:	230 pounds (104 kg)
Heat:	Optional 500 watt heater (110 or 220 volt - A162)

Pet Waterer

A1000

- All polyethylene construction for easy cleaning
- No buildup of bacteria or algae
- Full polyurethane foam insulation
- 5 gallon reservoir - add ice during hot weather
- Bowl refills automatically - no moving parts
- Optional 250 watt heater assembly (A250)

**Heaters, Cable & Floating Tank Valves****250 Watt Immersion Heater (A160)**

Has a built-in thermostat
Teflon coated, 1-Yr Warranty

500 Watt Immersion Heater (A162)

110 Volt or 220 Volt
Teflon coated, 1-Yr Warranty

**5' Cable Line Heater (A919-5)****8' Cable Line Heater (A919-8)** - 110 Volt or 220 Volt**Gallagher .75" Water Tank Brass Valve with Float (AQ100B)****Gallagher .75" Water Tank Poly Valve with Float (AQ400P)****1" Water Tank Poly Valve with Float (AQ500P)**

