



HOW TO GUIDE

THE PERFECT HORSE FENCING

Everything you need for safe horse fencing.



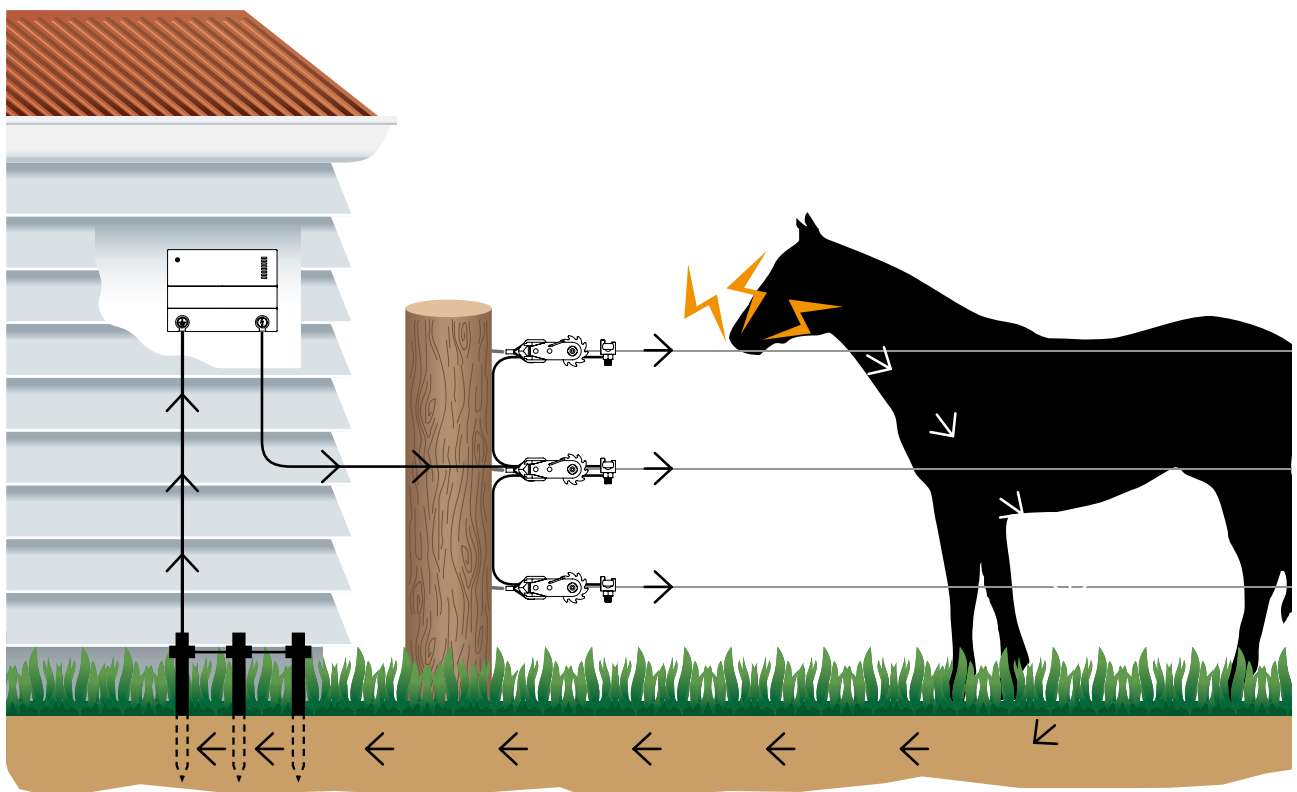
As a horse owner you want your horses to be safe. Not just in the stables, but in the field and in the paddock too. It is important that the fencing is suitable for horses and made of material that is safe for and properly visible to the horse. Using electric fencing for horses is extremely effective, safe and animal friendly. With good fencing you have more certainty that your horses will not escape and not injure themselves unnecessarily.

Are you planning to buy new fencing for your horse? Would you like to know whether your fencing is fully 'horse-proof'? We list the most important points!

HOW DOES ELECTRIC FENCING WORK?

An electric fence is a loop system. The energizer emits power, which is conducted via conductive wire or tape. When an animal touches the fence, it gets a powerful but safe shock. After touching the fence, the power goes from the animal to the ground, and it returns to the energizer via the earth pegs of the earthing system.

A shock that is not dangerous to the horse. Often a single shock is enough for the horse to understand that it is better not to touch the wire. However, horses also think that the grass is greener on the other side and they will try to go through the wire from time to time. So, it is important that there always is enough voltage on the wire.



PORTABLE OR PERMANENT FENCING?

When you choose your fencing, there is a difference between permanent fencing and portable, moveable fencing. The type you choose depends on your situation.

Permanent fence

A permanent fence is always in the same place, for a long period of time. In essence, the outer edges of fields and paddocks are always permanent. For permanent fencing you use fixed posts that are hit deep into the ground. They are usually wooden posts or the special ecopost synthetic posts. Wooden posts have to be treated, because otherwise horses will start biting the wood. The benefit of synthetic posts is that they last much longer and that they are self-insulating. Correctly placed permanent fencing can last as long as 25 years.

Semi-permanent fencing

The semi-permanent solution has pretty much the same characteristics as permanent fencing. However, these posts can be reused and moved by using suitable accessories. Gallagher has developed a unique solution with the Line Post. This is a unique product in fencing and was developed specifically for horses. This solution

has won a number of awards and the horse's safety was at the heart of its design. These posts also have a lifespan of 25 years.

Portable fencing

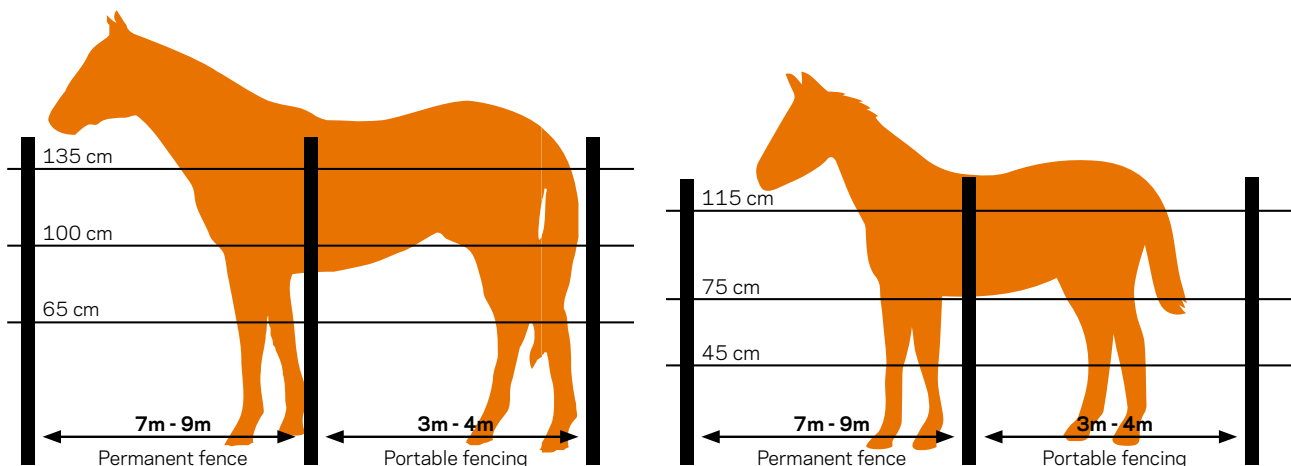
Moveable, portable fencing is generally used to fence off several areas in an existing field. Or to fence off a small area temporarily so that new horses can get used to each other. Here you use lightweight plastic posts that are easy to position anywhere. Generally these posts use 1 or 2 wires above each other. For portable fencing it is important to be sure that the posts are tall enough for the horses so they will not jump them.

WIRE HEIGHT AND DISTANCE BETWEEN THE POSTS

It is important that you consider the height of the fencing when you erect your fence. Horses are natural jumpers and when a fence is too low it is easy to jump out. The distance between the conductive wires is also important. The horse should never have the notion that he can crawl out under the fence.

The distance between the posts also matters. If it is too great, the wires will sag and that makes them less safe. There is a difference in the distance between the posts for permanent and portable fencing. The posts of a portable fence are less deep in the ground, meaning they need to be closer together to be sturdy enough.

Below is a chart you can use to determine the height and distance for horses and ponies. It notes the distance for permanent and portable fencing.



CHOOSING THE RIGHT CONDUCTOR

For horses it is extremely important to choose a conductive wire that is suitable for horses. Horses are flight animals by nature and a strong flight response could mean the horses touch the wire. Conductors for

EquiFence

This conductive wire has been developed specifically for permanent horse fencing. It has excellent conductivity and is truly safe for a horse because of the special coating around the wire. It has a lifespan of 30 years and that makes it an excellent choice for permanent fencing. Equifence cannot be installed without the right tools and we recommend that you have it installed by a specialist fence builder. You can find a fitter near you on our website www.gallagher.eu.

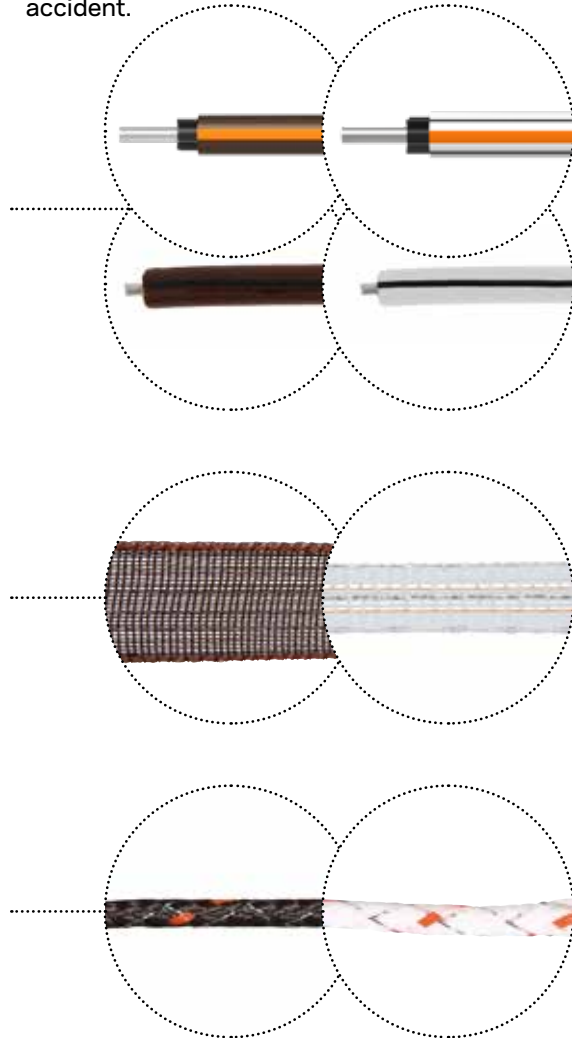
Tape

The benefit of tape is that it is the most visible conductor for a horse. Tape is available in various widths. The 40mm version is most suitable for horses and can be used for permanent fencing. The 12.5mm version is also suitable for horses and is the best option for a portable solution. Tape conducts well, including over long distances and is also easy to install. It has a 7-year UV warranty.

Cord

Cord has been developed specifically for horses and is best used for permanent or semi-permanent fencing. Cord has a soft-touch coating and breaks at the right time should the horse end up in the fencing. As it is woven it will not stretch and has a longer lifespan than other wires. It also has a 7-year UV-guarantee. Cord is easy to install by you at home.

horses have been developed to break at a high load to make the risk of injuries as small as possible. It is also important that the wire is properly visible to the horses; when you use material that is too thin it is not easy to see and the horse is more likely to touch the wire by accident.



BASIC - for fencing that is shorter than 500m

TYPE	DURABILITY	VOLTAGE 0M	VOLTAGE 100 M	VOLTAGE 500 M	UV WARRANTY
PowerLine Tape - 12.5mm	● ○ ○ ○ ○ ○	8kV	6kV	4.5kV	5
PowerLine Tape - 20mm	● ○ ○ ○ ○ ○	8kV	6kV	4.5kV	5
PowerLine Tape - 40mm	● ○ ○ ○ ○ ○	8kV	6kV	4.4kV	5
EconomyLine Cord - 5mm	● ○ ○ ○ ○ ○	8kV	4.7kV	2kV	3

AVERAGE - for fencing that is shorter than 500m

TYPE	DURABILITY	VOLTAGE 0M	VOLTAGE 100 M	VOLTAGE 500 M	UV WARRANTY
TurboLine Tape - 12.5mm	● ● ○ ○ ○ ○	8kV	7.6kV	6.4kV	5
TurboLine Tape - 20mm	● ● ○ ○ ○ ○	8kV	7.6kV	6.4kV	5
TurboLine Tape - 40mm	● ● ○ ○ ○ ○	8kV	8kV	7.5kV	5
PowerLine Cord	● ● ○ ○ ○ ○	8kV	6kV	4.5kV	5

PRO - Suitable for fencing of over 500 m

TYPE	DURABILITY	VOLTAGE 0M	VOLTAGE 100 M	VOLTAGE 500 M	UV WARRANTY
TurboStar Tape - 40mm	● ● ● ○ ○ ○	8kV	8kV	7.5kV	7
Turboline Cord - 6mm	● ● ● ○ ○ ○	8kV	8kV	7.5kV	7

PREMIUM - Suitable for fencing of over 500 m

TYPE	DURABILITY	VOLTAGE 0M	VOLTAGE 100 M	VOLTAGE 500 M	UV WARRANTY	HT CONDUCTOR	CARBONE CONDUCTORS
TurboStar EquiFence wire	● ● ● ● ● ●	8kV	8kV	7.9kV	10	2,7MM	4
EquiFence wire	● ● ● ● ● ●	8kV	8kV	7.6kV	10	2,7MM	3



TURBOSTAR EQUIWIRE COMPLETE SOLUTION FOR SAFE EQUINE FENCING

Turbostar Equiwire is without doubt a safer solution than the trusted old Equiwire. It can become even safer by using our safe complete solution. We recommend using Equiwire together with the new joiner and to attach the springs on the posts, instead of in the middle of the fence. That means we provide your clients with a solution without sharp edges or other elements a horse can injure itself on when it breaks through the fence.

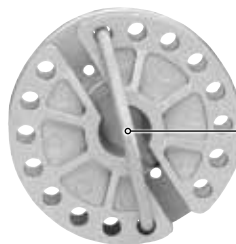
Turbostar Equiwire is a complete new solutions and the safest permanent fencing for horses. The elastic plastic cable with the galvanised core conducts well and protects the horse against injuries in the event of a break-out.

We reduced the breaking strength from 500 to 400 kg and made the wire even more conductive, ensuring the voltage is spread even easier across the entire fence. The excellent conductivity is produced by four rather than three carbon lines within the wire's plastic sleeve.

The joiner, the connecting piece, is a special innovation. The joiner makes it easier for your clients to join two wires, even when they connect old and new fencing. The joiner is part of the fence and with its smooth finish it is completely safe for horses.

Joiner

Connector as part of the fence, making it easy to connect two wires. Safe for horses because of its smooth finish.

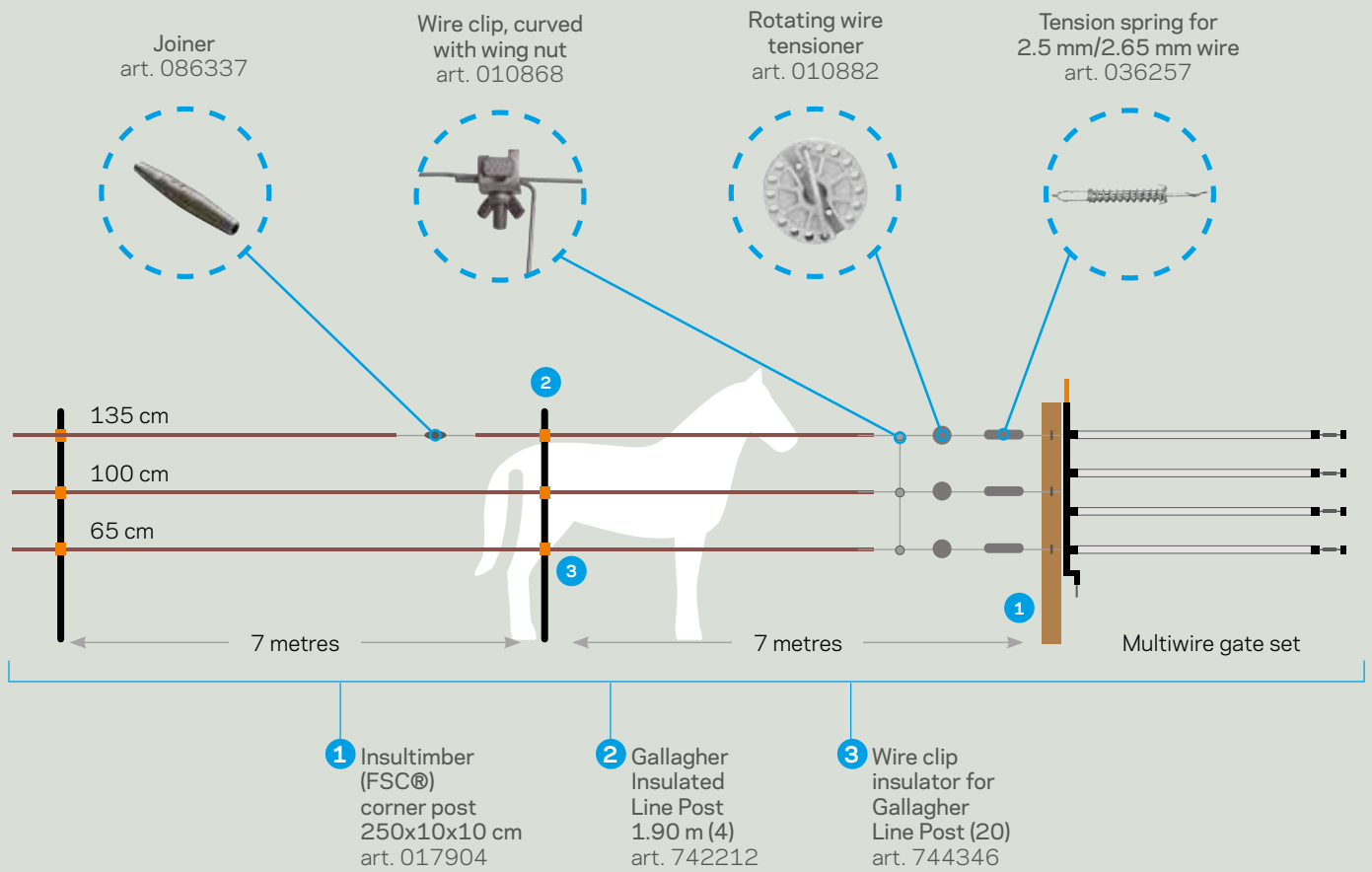


Tensioner

Recommend your clients to put the tensioners close to the posts, to prevent the horses from coming into contact with them.

*“Safest fencing
for horses”*





THE SAFEST FENCING: TURBOSTAR EQUIWIRE

912042	TurboStar Equiwire white, 250 m
912240	TurboStar Equiwire terra, 250 m
086337	Joiner
010882	Tensioner
036257	Tension spring

✓ REDUCED RISK OF ANIMAL INJURIES

By using the joiner with equiwire the entire fence is safe for horses.

✓ STRONG SHOCK

33% more conductive surface.

✓ STRONG AND DURABLE

Core of 2.7 mm aluminium-coated wire with extra low resistance and optimum conductivity.

✓ LOWER BREAKING STRENGTH

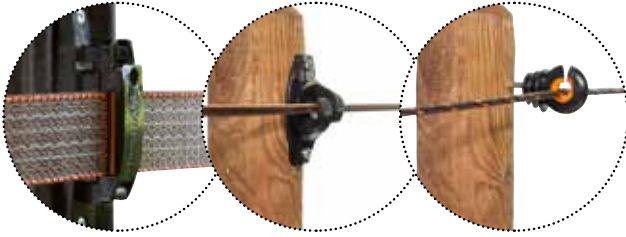
Less chance of injuries.



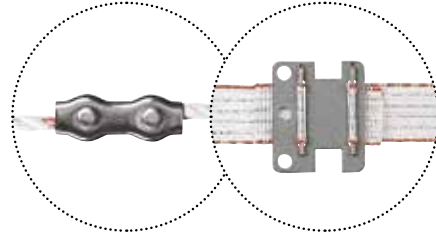
CONNECTORS AND INSULATORS

Different conductors also require different insulators. It is important to select the right insulator for your conductor to ensure it is most effective. Using the wrong insulators, that are not suitable for your conductor, can cause damage to your wires. It can also mean there is less or no voltage on the wire. Always choose an insulator that matches the conductor.

Connecting several wires together also needs to happen in the right way. For cord you use a cord



connector and for tape a special tape connector. In practice we often see that wires are knotted together. This causes short-circuiting in the wires and means they burn slowly at the place of the knot. So never use a knot as this damages the fencing and will prevent the voltage from circulating properly.



THE ENERGIZER

We said before that it is important that there is always enough voltage, at least 3500V, on the fencing. When animals realise there is no longer any voltage on the wire, they will hang against the wire to reach the last blade of grass. This is bad for the fence, but can also lead to the horses escaping in the end. To prevent this, you need a properly operating energizer.

There are different types of energizers:

- 230V: often for permanent fencing, they work instantly when you plug them into the socket.
- Battery: to take anywhere, even to places without sockets, because they work on a battery.
- Solar: these easy to move energizers have a built-in solar panel, which ensures they charge their own battery. The unique battery-management system ensures that the battery stores enough voltage and that the pulse is adjusted when the battery is nearly empty. It means you are guaranteed to have sufficient voltage on your fencing.
- Multi power: a combination of 230V, battery and sometimes even solar, these energizers can be used anywhere at all and they can always be adjusted to your situation.

The energizer that suits you depends completely on the situation and your preference for the type of energizer.

After registration, all Gallagher energizers have a 7-year warranty! It means you are guaranteed to have top quality and the best service.





GATES AND ACCESSORIES

There are various types of gates and additions available for your fencing. There are different gate handles to create a passage and there are special gate sets that enable you to open and close four wires at the same time. Specifically designed for horses! There are also gates with a roll mechanism or even permanent metal gates you can have your wires fitted on to your choice. We always have a suitable solution for your situation.

There are also many accessories available to optimise the fencing. For example a control light that shows immediately whether you have any power on your fencing. There are various switches you can use to switch certain parts of your fencing on or off. There are testers that help you to maintain your fencing.



Is your fencing on the public road or along a cycle path? It is a statutory requirement to have a warning sign every 50m.

CUSTOMISED PRODUCT ADVICE

Our team of Gallagher specialists is available to answer your questions and to help you create a suitable solution for your situation. On working days, we are available via our website, by telephone or on the Gallagher Facebook page.

More information about our various products is also available on the website. All products are directly available from us and can be ordered from the website or collected from a Gallagher dealer near you!





FOR MORE INFORMATION, VISIT OUR WEBSITE OR CONTACT US FOR CUSTOMISED ADVICE

Gallagher has more than 6,000 dealers in Europe and as market leader in electric fencing it always has 100% customised advice. It goes without saying that you can place your order directly on our website www.gallagher.eu. Our Account Managers will be pleased to assist with customised advice, including when you are looking for a partner to put up your fencing.

We will be pleased to give you customised advice!



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