

Fit for purpose, **built to last.**

Tornado is the UK's market leader in agricultural, forestry and equestrian fencing, providing maximum protection with minimum lifetime costs.

Unlike other manufacturers, Tornado started out as contractors, so the needs of the industry are wired into our processes and production.

Today, the Tornado difference is trust. Built up with customers and suppliers, link by link.

BRITISH AND EUROPEAN STANDARDS COMPLIANCE

All Tornado Wire fencing complies with the following quality standards:

BSEN 10218 – Steel Wire and Wire Products part 2 – General Wire Dimensions and Tolerances.

BSEN 10223 – Steel Wire and Wire Products for Fencing and Netting part 5 – Steel Wire Woven Hinged Joint and Knotted Mesh Fencing.

BSEN 10244 – Steel Wire and Wire Products Non-ferrous Metallic Coatings on Steel Wire part 2 – Zinc or Zinc Alloy Coatings (all Tornado products galvanised to class A).

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DEER EXCLUSION FENCING SELECTION GUIDE

Deer exclusion fencing
know the difference.

Tornado: always the right choice

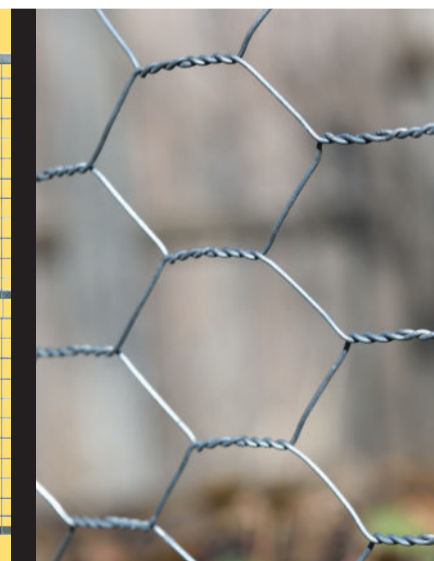
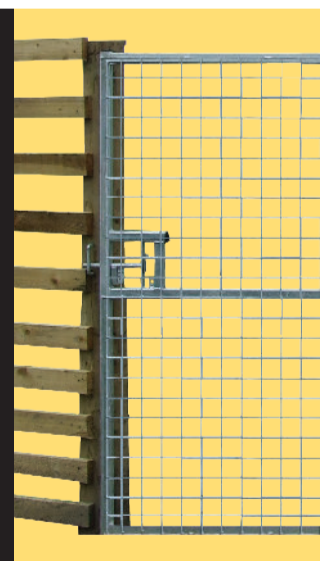
Tornado's LHT deer fence features the Tornado Hinge Joint knot type and is manufactured with high tensile wire, designed to withstand animal impact. It does not stretch with weathering and so does not need to be retightened annually.

Tornado Torus deer fencing features a high pressure bonded knot, providing great strength and rigidity. The small, unobtrusive knot provides four-way movement resistance and results in an aesthetically pleasing fence. Our Torus deer fence is best suited for protecting forestry plantations from the likes of Roe deer.

Tools and accessories

Tornado's extensive range of tools, accessories and ancillaries are designed to make your fencing job as fast and simple as possible. These include everything from coiled plain wire and barbed wire in various specifications, wire cutters, barbed and plain staples and fencing joining tools, to specialist products like the STOCK-ade Fence Post Staplers favoured by professional fencing contractors.

Forestry protection fencing will usually require special ancillary products such as fully meshed deer gates to prevent deer escaping through vehicular access points, hexagonal rabbit netting to prevent young saplings from grazing, and badger gates to allow access and help prevent them from damaging the fence.



HELP WITH SELECTION AND INSTALLATION

The Tornado Fencing Configurator Fast, accurate fence planning

This unique fencing tool allows landowners to create an accurate plan of the fence line and order exactly the right products to cost-effectively build the fence they require. You can also download the Tornado Track smartphone app to physically walk and measure your fence line – then simply upload to the Fencing Configurator.

www.tornadowire.co.uk/fence-configurator



Datasheets

Technical specification and application advice

Tornado datasheets provide detailed information for individual products, including line wire and perspective diagrams, knot types and related products.

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DEER EXCLUSION FENCING SELECTION GUIDE

Helping you choose the right specification for the fence you need.



LHT13/190/15

Wire Specification & Knot Type

Popular choice:

LHT (2.00mm High Tensile – Hinge Joint)

LHT is a lightweight, high tensile fence, commonly used as an economical solution in low pressure areas.

Something to consider:

Light High Tensile Hinge Joint fencing can be used as a temporary deer fence until trees become established after 5 to 8 years. It is possible to upgrade to 2.5mm HT net in highly populated areas or areas where livestock are present for a stronger net.

If more strength is required, upgrading to a Torus Knot fence for solid vertical wires is recommended.

Number of Horizontal Wires

Popular choices:

13 – 20

Spacing between horizontal wires increases higher up the net. This makes the net denser nearer the ground, preventing animals from pushing under the fence.

Something to consider:

Rabbits can also cause serious damage to young saplings. To prevent them gaining access, hexagonal rabbit netting can be clipped to the lower section of the deer fence and either buried or turned out to prevent burrowing underneath.

Net Height (cms)

Popular choices:

190 – 194 cms

Fence height is determined by the size of the animals being kept out – as well as their ability to jump over a fence. For deer exclusion the minimum height recommended is 190cm due to their propensity to jump.

Something to consider:

Tornado can also supply full mesh deer gates to compliment your deer fence. Deer gates are 6' high and popular choices are widths of 4', 6' or 12'.

Vertical Wire Spacing (cms)

Popular choice:

15 cms

Vertical wire spacing affects the overall strength of the net. Net strength for deer fencing is particularly important given their size and strength.

Something to consider:

15cm vertical wire spacing is best for red deer because of their size and strength.

If game birds are present, consider using grouse deflectors to increase the visibility of the fence.



Hinge Joint

Traditional cost-effective joint. Enables the netting to be turned out or cranked for use in special applications.



Torus Knot

A high-pressure bonded knot and a continuous vertical stay wire for optimal strength.

Two-piece fence

For areas of restricted access, a two piece net can be used consisting of HT8/80/15 on the bottom and LHT8/90/15 on the top. This allows easier access to difficult areas where vehicles are unable to drop off at the site location.

TORNADO® TALK TO THE FENCING PEOPLE

DIY or CONTRACTOR?

Fencing can be time-consuming and difficult to fit without the right equipment. Unless you're an expert, it's worth talking to an approved installer before you start. They can advise you on the best specification for your needs, and share the latest tools and techniques to ensure you get the best results.

How to use this guide

This guide highlights the most popular fencing options for deer requirements by fence code. Use this guide to help you select which type of fencing solution matches your needs, or contact us to help you choose from other available options.



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Deer inclusion fencing
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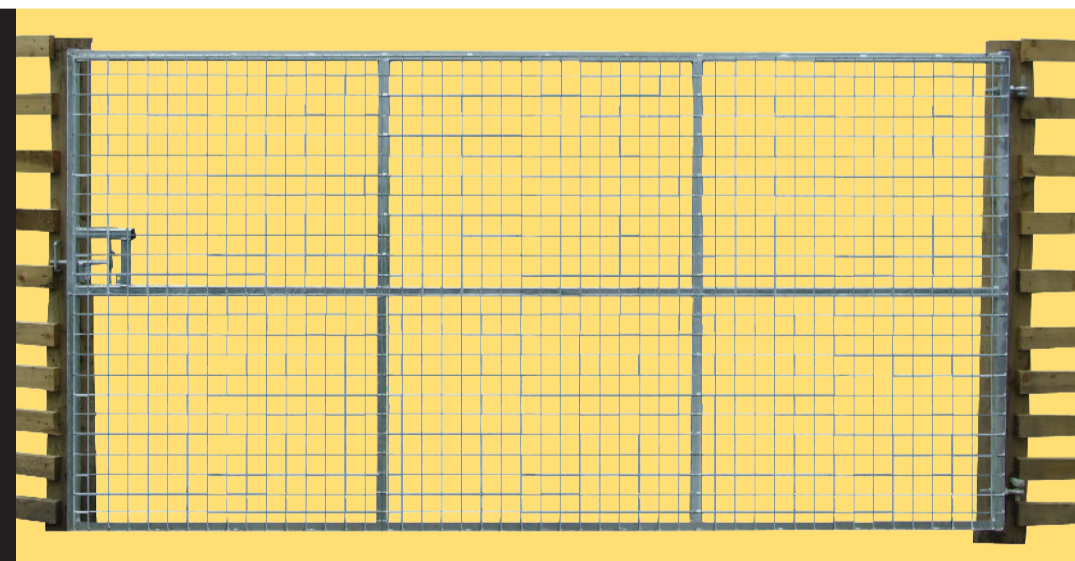
Strong, secure and long lasting, Titan Deer Fencing from Tornado is manufactured from high tensile wire, designed to withstand animal impact. Our full height one-piece deer nets feature the Tornado Titan knot which helps create a highly visible barrier for deer. High tensile wire does not stretch with weathering so will not require annual retightening. Titan Deer Fence with vertical wire spacing of 15cm is best suited for high-pressure areas on deer farms such as raceways or for perimeter protection.

For areas where there will be lower pressure on the fence – such as splitting internal paddocks – a wider vertical wire spacing specification of 22cm can be used for a more economical solution.

Tools and accessories

Tornado's extensive range of tools, accessories and ancillaries are designed to make your fencing job as fast and simple as possible. These include everything from coiled plain wire and barbed wire in various specifications, wire cutters, barbed and plain staples and fencing joining tools, to specialist products like the gas-powered STOCK-ade ST-400i Fence Post Stapler (and the pneumatic ST400 Stapler and Compressor) favoured by professional fencing contractors.

Fencing on deer farms will usually require specialist products such as fully meshed deer gates; these prevent deer escaping through vehicular access points.



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DEER ENCLOSURE FENCING SELECTION GUIDE

Helping you choose the right specification for the fence you need.



T17/200/15

Wire Specification & Knot Type

Popular choice:

T (2.50mm High Tensile – Titan Knot)

Solid vertical wires create a very strong net, resistant to sagging under animal impact pressure.

Something to consider:

A Titan Fixed Knot fence such as the T17/200/15 is recommended for perimeter fencing for greater strength.

For a more economical solution it is possible to use Titan 17/190/22 to fence internal paddocks or areas of low animal pressure.

Number of Horizontal Wires

Popular choices:

17 – 20

The spacing between the horizontal wires increases higher up the net. This leads to a denser net nearer the ground preventing animals from pushing under the fence.

Something to consider:

Hinds will naturally try and push calves through fence to hide them in the undergrowth. The spacing between the horizontal wires is only 7.5cm at the bottom of the net help to prevent this.

Net Height (cms)

Popular choice:

200 cms

Fence height is determined by the size of the animals being contained and kept out – as well as their ability to jump over, climb up, dig under and otherwise overcome the fence. Additional height is sometimes required to offer additional security.

Something to consider:

Consider lashing a line of plain wire to the top line wire of the deer fence to further strengthen the fence in particular in areas of heavy snowfall.

Tornado can also supply fully meshed deer gates to complement the deer fence. All gates are 6' high and can be 4', 6' or 12' wide.

Vertical Wire Spacing (cms)

Popular choice:

15 cms

Vertical wire spacing affects the overall strength of the net. Net strength for deer fencing is particularly important given their size, strength and propensity to jump.

Something to consider:

15cm vertical wire spacing is best for red deer because of their size and strength.

15cm spacings create a denser net, making a stronger and more impact-resistant fence. Tornado Titan 17/200/15 is the definitive perimeter fence.



Titan Knot

This knot has exceptional impact resistance. It is also highly visible and very effective in high pressure areas, especially where red deer are present.

Hexagonal Netting

Rabbits can also cause serious damage to deer farm grazing. To prevent them gaining access, hexagonal rabbit netting can be clipped to the lower section of the deer fence. Integrated salvage wires provide additional strength, and the net can be buried or turned out if required to prevent burrowing underneath.

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LIVESTOCK FENCING SELECTION GUIDE

Stock fencing
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Tornado: always the right choice

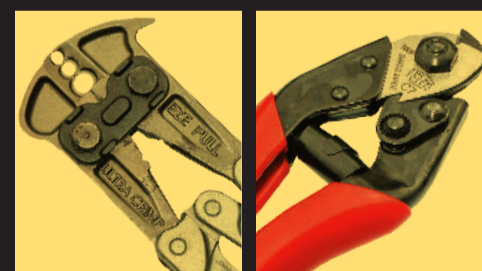
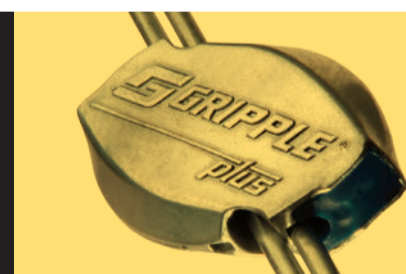
Tornado's livestock fencing has been the choice of contractors for decades. Our extensive expertise, combined with the unbeatable quality of our products, guarantees a fencing solution that you can trust.

Whether you need to divide fields, separate livestock, or create a protective barrier between roads, railway lines or footpaths, this guide will help you choose the right solution for you.

Made in the UK, our stock fencing products are engineered to be stronger and last longer, giving you peace of mind and protecting your valuable animals for a lower lifetime cost.

Tools and accessories

Tornado's extensive range of tools, accessories and ancillaries are designed to make your fencing job as fast and simple as possible. These include everything from coiled plain wire and barbed wire in various specifications, wire cutters, barbed and plain staples and fencing joining tools, to specialist products like the gas-powered STOCK-ade ST-400i Fence Post Stapler (and the pneumatic ST400 Stapler and Compressor) favoured by professional fencing contractors.



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LIVESTOCK FENCING SELECTION GUIDE

Helping you choose the right specification for the fence you need.



HT 8 / 80 / 15

Wire Specification & Knot Type

Popular choice:

HT (2.50mm High Tensile – Hinge Joint)

Can be pulled much tighter than mild steel, and less likely to sag after animal impact. Requires fewer posts, far less maintenance, and is more cost-effective.

Something to consider:

Although high tensile is generally preferred, mild steel may still be suitable in situations where:

- wire doesn't need to be pulled tightly
- your fence line has a lot of turns
- your fencing is supported by background hedges

Number of Horizontal Wires

Popular choices:

5 – 8

Animals usually try to push through fencing. This typically happens towards the bottom of the fence, so the lower horizontal wires are usually spaced closer together to make it more resilient.

Something to consider:

Tornado Pheasant-Friendly (HT6/83/22) has larger horizontal wire spacing at the bottom of the net, ideal for allowing game bird access if required.

Net Height (cms)

Popular choices:

53 – 80 cms

Fence height is determined by the size of the animals being contained and kept out – as well as their ability to jump over, climb up, dig under and otherwise overcome the fence.

Something to consider:

Guard against downward pressure from cattle by adding two strands of high tensile barbed wire, or one electrified plain wire, above your fence.

Vertical Wire Spacing (cms)

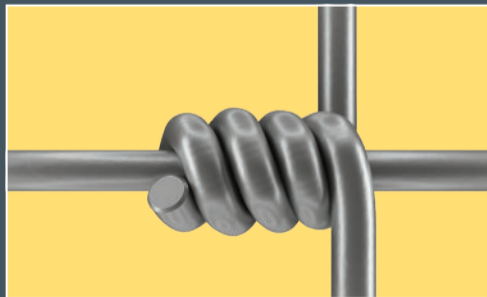
Popular choices:

15, 22, 30 cms

Vertical wire spacing affects the overall strength of the net; options are available to suit different budgets and levels of animal pressure.

Something to consider:

Occasionally, sheep ear tags can be pulled off when they forage in the hedgerow. If you think this could be an issue, 22 cms vertical wire spacing may be a viable alternative. This will allow a sheep to get its head through your fence and back again, without getting caught, while still being suitable to contain small lambs. Alternatively, 30 cms spacing is more economical, and perfect for hedgerows or areas containing fewer small lambs.



Hinge Joint

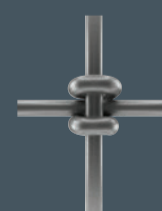
Traditional cost-effective joint. Enables the netting to be turned out or cranked for use in special applications.

Other joint knot types



Titan Knot

An innovative non-slip knot incorporating a continual vertical stay wire. It has exceptional impact resistance.



Torus Knot

A high-pressure bonded, smooth knot and a continuous vertical stay wire for optimal strength.

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HORSE FENCING SELECTION GUIDE

Horse fencing
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Tornado: always the right choice

Tornado's horse fencing has been the choice of horse owners for decades. Investment in the latest manufacturing technology has enabled us to produce a core range of products designed especially for the horse owner.

Whether you are ring-fencing your land or dividing paddocks, this guide will help you understand and select the best fence for your requirements.

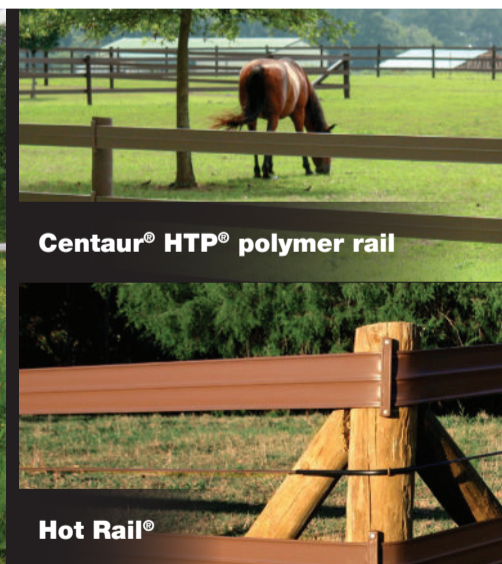
Made in the UK, our horse fencing products are engineered to be stronger and last longer, giving you peace of mind and protecting your valuable animals for a lower lifetime cost.

Tools and accessories

Tornado supplies a range of Centaur® specialist horse fencing products, including White Lightning®, a highly visible permanent electric fence, and Hot Rail® which combines the Centaur® HTP® polymer rail system with electric fencing. Tornado's extensive range of tools, accessories and ancillaries are designed to make your fencing job as fast and simple as possible. These include everything from coiled plain wire in various specifications to barbed staples and fencing joining tools.



White Lightning®



Centaur® HTP® polymer rail

Hot Rail®

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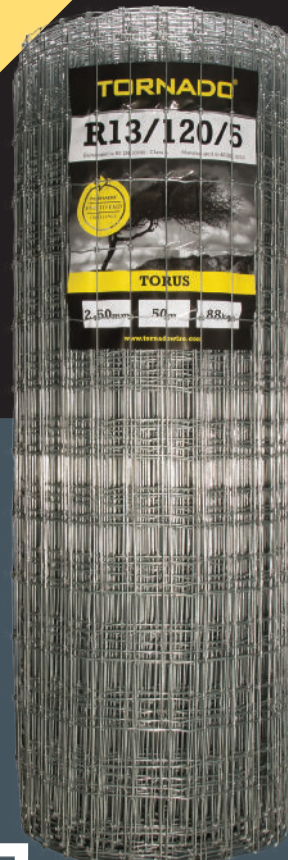
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HORSE FENCING SELECTION GUIDE

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R13/120/5

Wire Specification & Knot Type

Popular choice:

R (2.50mm High Tensile – Torus Knot)

Solid vertical wires create a very strong net, resistant to sagging under animal impact pressure. The Torus knot has no sharp edges, helping to prevent hair or rugs from getting caught in the net.

Something to consider:

Timber post and rail, viewed as the traditional horse fence, has no flexibility. Although it may provide visual reassurance to some horse owners, it is both expensive and very prone to breaking when run into or kicked. It can pose a significant threat to the safety of your horses once damaged.

Number of Horizontal Wires

Popular choices:

10 – 13

Torus horse fencing has equally spaced horizontal wires for consistent strength throughout the full height of the net.

Something to consider:

The more line wires in the fence, the denser and stronger the net will be. For the majority of breeds and sizes of horse, the more horizontal line wires, the better.

Net Height (cms)

Popular choices:

90 – 120 cms

Although shorter nets may be acceptable for some horse breeds, the tallest Torus horse net of 120 cms is recommended to provide the optimum barrier.

Something to consider:

Guard against downward pressure from horses by adding a strand of electric wire above the net. Alternatively, combining the net with Centaur® HTP® polymer rail can further improve visibility of the fence whilst preventing downward pressure.

A taller (180cm high) Torus horse net is available if required.

Vertical Wire Spacing (cms)

Popular choices:

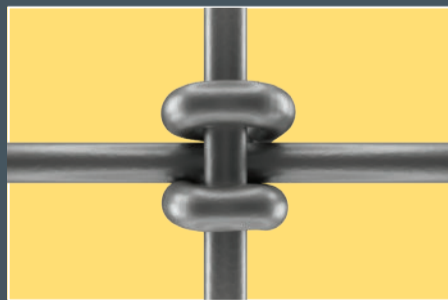
5, 8 cms

Vertical wire spacing affects the overall strength of the net. Net strength for horse fencing is particularly important given their size, strength and propensity to kick.

Something to consider:

Vertical wire spacing options are available to suit different budgets and levels of animal pressure.

Vertical wires spaced 5 cm apart create a much stronger net and give greater protection against hooves getting caught should your horse kick the fence. Vertical wire spacing of 8 cm is also commonly used for horse fencing; however it is a more economical option than 5 cm.



Torus Knot

A high-pressure bonded, smooth knot and a continuous vertical stay wire for optimal strength.

Double-fencing

Where paddocks are divided, with horses on both sides of a fence, we recommend double-fencing to prevent them trying to kick each other through a single fence.

Horse fencing for multiple applications

Tornado Torus horse fencing often plays a multifunctional role, such as safely containing sheep for cleaning the paddocks or keeping out dogs from neighbouring land or footpaths.

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