

# **Wire Fence Solutions**

For installation, maintenance and repair



**Product Guide** 





Join plain wire using Gripple Plus and a Twister



**Repair field fence,** with Gripple Plus



**Terminate at an end-post** with Gripple T-Clip



**Join barbed wire** using Gripple Barbed



**Repair barbed wire** with Gripple Plus



Join horse mesh using Gripple Plus and Twisters



**Brace H-Posts** with a Gripple Plus Anchoring Kit (GPAK)



**Terminate electric fencing**with Gripple Plus
and insulation tubing



**Tension field fence** with a Gripple tensioning tool

"Conceived in 1988 as a solution to joining fence wire, the name Gripple has since become synonymous with market leading, innovative products that genuinely make life easier. Our winning formula remains the same today - the ability to design products that people need."

## Contents

The Gripple range

Bracing	pages 6 - 7
Plain wire	pages 8 - 9
Barbed wire	pages 10 - 11
Netting and mesh	pages 12 -15
End post termination	pages 16 -17
Electric fencing	pages 18 - 19
Accessories	pages 20 - 21
Company information	pages 22 - 23

pages 4 - 5



The Gripple range

## A Gripple for every job

The fundamental principle of a Gripple device is simple; there are two channels, each with an independent locking mechanism. The 'lock' is created by the roller, which is free to move in one direction only and grips the wire as it moves back. This concept allows tension to be applied throughout the life of the wire.

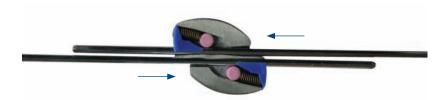
**Bracing** - In contrast to a traditional brace, the GPAK is easy to handle, and can be tensioned and re-tensioned.

**Joining** - Unlike fiddly knots and crimps, the Gripple Plus is not just a wire joiner, but a tensioner too, making installation simple, and up to five times faster.

**Maintenance and repair** - To combat natural ground movement and wire ilongation every Gripple product can be tensioned and re-tensioned year after year. For repairs, simply use two Gripple Plus to splice a section of wire into the break, and apply tension.

**End post termination** - The Gripple T-Clip is a revolutionary new way to secure a fence at an end post. It's push-fit mechanism is installed in seconds, without the need to knot line wires.

**Tensioning** - Gripple tensioning tools allow each line wire to be tensioned individually, optimising the life of your fence. Perfect for on-going maintenance, they allow you to re-tension year after year.



"Using Gripple products couldn't be simpler, and will effectively reduce your work time."

#### Advantages

- 5 times faster than traditional knots saving you time and money in labour
- Speedy, economic repairs simply splice in a small section of wire using two Gripple Plus
- **Join and tension in one** removes the need for traditional clamps, crimps or strainers. No knotting or bending is needed.
- A Gripple product to suit most wire sizes and types, from conventional mild steel to strong high tensile, across a range of diameters
- Corrosion resistant; the locking mechanism comprises high-grade ceramic rollers which allow the wire to move in one-direction only, forming a one-way lock

Wire Type	Wire Range (mm / ga)	Gripple Plus Small	Gripple Plus Medium	Gripple Plus Large	Gripple Plus Jumbo	Gripple Barbed	GPAK 3	GPAK 4	T-Clip*	T-Clip 2	Maximum Load (kg / lbs)
	1.40 - 2.20 mm 17 - 13 ga										300 kg 660 lbs
Plain wire/ Field fence	2.00 - 3.25 mm 14 - 10 ga										400 kg 880 lbs
(pre-fab) / Electric fence	3.25 - 4.20 mm 10 - 7 ½ ga										600 kg 1,320 lbs
	2.50 - 3.15 mm 12½ - 10 ga										600 kg 1,320 lbs
High tensile barbed wire	1.60 - 1.70 mm 15½ - 15 ga										400 kg 880 lbs
Mild steel barbed wire	2.00 - 2.50 mm 14 - 12½ ga										150 kg 330 lbs
Bracing	3.00 mm x 4.5 m 1/8" x 15 ft										400 kg 880 lbs
	4.00 mm x 5.0 m 5/32" x 16.5 ft										600 kg 1,320 lbs

\* The T-Clip works on 1.80 - 3.25 mm / 15 - 101/2 ga Plain wire / Field fence (pre-fab) and Electric fence



- Don't forget, a Gripple can be tensioned, and re-tensioned (page 20)
- Reposition before applying tension using an Adjustment key (page 21)
- Tidy up your tail wires with a Twister (page 21)

"The Gripple Plus Anchor Kit (GPAK) presents an easy-to-handle bracing method, installed in less than one minute."

# **Bracing**

## **GPAK** for H-Post bracing

The Gripple Plus Anchor Kit (GPAK) extends on the proven principle of joining and tensioning wire, presenting and easy-tohandle, simple-to-use bracing solution that's fast to install.

The GPAK3 is suited to the majority of fencing applications; for longer fence runs requiring extra support, the GPAK4 is ideal. Both kit sizes come complete with a pre-cut length of flexible wire rope and a Gripple unit to join and tension.

Install – Using the looped end, form a choke knot around the end strainer post then loop around the second strainer post and join with a Gripple Plus. Finally apply tension using a Gripple tensioning tool. Alternatively, when creating a retaining wire for a strut strainer, plain or barbed wire can be used in conjunction with a Gripple Plus Medium or Jumbo.

**Maintain** – Where natural movement of the ground occurs, simply go back to the Gripple Plus year-after-year and re-tension using a Gripple tensioning tool.

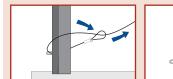
Wire type	Wire range (mm / ft)	GPAK 3	GPAK 4	Maximum Load (kg / lbs)	
Bracing	3.00 mm x 4.5 m 1/8" x 15 ft	<b>√</b>		400 kg 880 lbs	
	4.00 mm x 5.0 m 5/32" x 16.5 ft		<b>√</b>	600 kg 1,320 lbs	

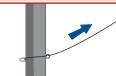


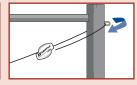
#### Advantages

- Install in less than one minute; saves time and labour
- **Heavily galvanised wire rope,** for ultimate corrosion resistance and performance
- **High load capacity**, with a range of products to suit different length runs and loadings
- Easy to handle wire rope; creates an effortless choke-knot around the base of the structure, which is secured with a Gripple Plus and tensioned
- Complete bracing kit; everything you need to create a cross-wire in one kit

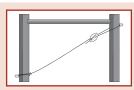
#### Installation







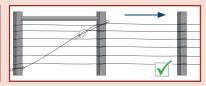


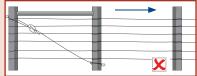


#### Do's and dont's











- Always 'choke' the wire rope tightly against the bottom of the post to avoid the possibility of animal hooves getting caught
- Don't forget, a Gripple can be tensioned and re-tensioned (page 20)
- Where space is limited, secure your fence with a Gripple Anchor (page 20)
- Use Gripple Cutters to trim excess tail wires (page 21)



# Plain wire

#### For installation and repair

From initial installation through to maintenance and repair, the Gripple Plus not only joins wire, but actively tensions it too. Much easier and quicker than traditional knots and crimps, there's a Gripple product for every wire type and diameter.

**Install -** A Gripple Plus is used in a loop format around an end post to terminate a fence, or in-line to join two wires together in the centre of the fence. Tension is applied afterwards with a Gripple tensioning tool.

**Maintain -** When ground movement and wire elongation occur the Gripple Plus can easily be re-tensioned year-after-year to keep your fence in good shape.

**Repair -** Fix damaged or broken fences with minimum effort, by using two Gripple Plus to splice a small piece of new wire into the break, then tension to finish with a Gripple tensioning tool.



"The Gripple Plus features patented ceramic technology that delivers a better grip on today's, tough high tensile wire."

#### **Advantages**

- Smooth wire entry the intelligent push-fit design makes installation easy and efficient, every time
- Positional setting key this built in feature allows a Gripple Plus that has been pushed on too far to be brought back and repositioned
- Supreme performance the Gripple Plus has been subjected to rigorous endurance tests to ensure it withstands extreme weather conditions and temperatures
- Reliable grip the ceramic locking mechanism performs on all wire sizes and types, from conventional mild steel to tough high tensile



#### Installation - In-line











#### Installation - Around a post













- Don't forget, a Gripple can be tensioned and re-tensioned (page 20)
- Reposition before applying tension using an Adjustment key (page 21)
- Tidy up your tail wires with a Twister (page 21)

"Gripple products remove the need to knot and tie barbed wire, creating a secure installation that will last for many years to come."

## **Barbed wire**

#### For installation and repair

Gripple barbed wire products take the hassle out of removing barbs and knotting wire. From installation to maintenance and repair. Gripple barbed wire products can also be tensioned and re-tensioned.

Install - for smaller diameter, high tensile barbed wire, the Gripple Plus Medium is used alongside plain wire, simply splice a section of plain wire into the middle of the fence then tension. To install on larger diameter, mild steel barbed wire, a Gripple Barbed can simply be inserted onto the wire, the barbs will then move along the wire when tensioned.

**Maintain -** a Gripple Plus or Barbed can be tensioned and re-tensioned year after year using a Gripple tensioning tool, extending the length of your wire and ensuring livestock remain secure.

**Repair -** For repairs on even the oldest of barbed wire, simply splice a section of plain wire into the break, using two Gripple Plus Medium or Gripple Barbed, and then tension to finish with a Gripple tensioning tool.





#### Advantages

- 5 times faster than traditional knots, saving you time and money in labour
- No need to remove barbs, simply join and tension
- Speedy, economic repairs, splice in a section of plain wire using two Gripple Plus Medium or Gripple Barbed
- Join and tension in one; removes the need for traditional clamps, crimps and strainers and optimises the life of the wire, as no knotting or bending is required
- A Gripple product for every wire size and diameter, from conventional mild steel to strong high tensile

#### Installation - In-line

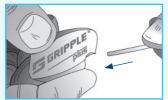




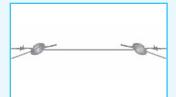




## Repair











- To terminate at the end post, use a T-Clip (pages 16-17)
- For smoother wire entry, twist the Gripple in a corkscrew motion onto the wire
- When using in conjunction with plain wire, always tension along the plain wire section instead of the barbed
- As an alternative to a T-Clip, twist a section of plain wire around an end post, then attach a Gripple Plus and apply tension



Netting and mesh

### For installation and repair

Gripple products are ideally suited to the tight, hard, high-tensile wire mesh that dominates today's field fence market. Completely removing the need to knot wire, installation is easy and takes a fraction of the time. With a Gripple product to suit every wire diameter, or netting type – the Gripple Plus and T-Clip are the perfect combination.

**Install -** Create a join in the centre of the run using a Gripple Plus on each line wire. Then, apply tension to each line wire individually with a Gripple tensioning tool.

**End-post termination -** Terminate your fence with ease using Gripple T-Clips, which hook and push-fit onto the wire.

**Maintenance -** Tension and re-tension year after year using a Gripple tensioning tool, to combat natural movement of the ground and wire ilongation and prolong the life of your fence.

**Repair -** Splice in a new section of netting using two Gripple Plus units to form a simple, fast repair, then tension with a Gripple tensioning tool.

Wire type	Wire range (mm / ga)	Gripple Plus Small	Gripple Plus Medium	Gripple Plus Large	Gripple Plus Jumbo	T-Clip*	Maximum Load (kg / lbs)
Badger fence, Pig fence, Deer netting, Horse mesh, Stock netting	1.40 – 2.20 mm 17 – 13 ga	$\checkmark$					300 kg 600 lbs
	2.00 – 3.25 mm 14 – 10 ga		<b>√</b>			$\checkmark$	400 kg 880 lbs
	3.25 – 4.20 mm 10 – 7 ½ ga			<b>✓</b>			600 kg 1,320 lbs
	2.50 – 3.15 mm 12 ½ - 10 ga				<b>√</b>		600 kg 1,320 lbs

<sup>\*</sup> The T-Clip works on 1.80 - 3.25 mm / 15 -  $10\frac{1}{2}$  ga netting and mesh

"Gripple products take the hassle out of joining and terminating netting and mesh; no more knotting, bending or twisting numerous line wires."

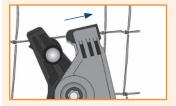
#### Advantages

- No more knotting and bending wire, taking the hassle out of joining and terminating hard, high tensile field fence
- Ideal for constrained areas, the push-fit mechanism enables wire to be joined, no matter how tight the mesh or obstacles in the surrounding area
- Use in conjunction with traditional methods; the Gripple fencing system can be used on it's own, or to complement existing installation methods
- Fast, cost-efficient repairs; instead of replacing a whole line of fencing, a small section can be spliced in easily using Gripple Plus, saving you time and money
- For use on all types of netting and mesh; from badger and pig fence to deer and horse mesh, there's a Gripple product for every netting configuration

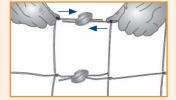
## **Tips and hints**

- Reposition or remove a Gripple Plus or T-Clip using an Adjustment key (page 21)
- Tidy up your tail wires with a Twister (page 21)
- Straighten out wire crimps prior to installation, for smoother wire entry

#### Installation - Overview









#### Do's and don'ts









"The Gripple range encapsulates every element of wire netting installation, from join and repairs to end post termination and maintenance, with innovative, push-fit products."

The Gripple system is versatile and can be used in a variety of installation sequences, and alongside existing fencing methods. A join should always be created in the centre of the fence using a Gripple Plus to allow for tensioning and re-tensioning.

For easy end-post termination, the Gripple T-Clip twists and hooks onto line wires and automatically pull tight against the end post as the fence is tensioned. The fence can either be tensioned at one end prior to installing Gripple T-Clips, or, alternatively, at the join in the centre of the fence.



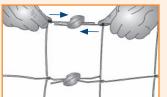
- Remove sufficient verticals prior to installation
- For a tidy, safe finish for the Gripple T-Clip, bend over the tail end then snip off excess wire
- Install the bottom T-Clip upside down, bending the wire upwards, to avoid corrosion on the open end of the wire



#### Installation - Joining









#### Installation - End post termination











Gripple products make fence maintenance and repairs simple and secure. Where wire naturally elongates, simply go back year-after-year and re-tension using a Gripple tensioning tool. Enabling each line to be tensioned separately, this will ensure your fence lasts for years to come.

Where repairs are necessary, be it through damage from livestock, the weather or falling objects, Gripple joiners and tensioners remove the need to replace large sections of fence. Instead, simply splice in a new, small section of netting where the break has occurred with Gripple Plus, and re-tension using a Gripple tensioning tool.



- A Gripple Twister not only tidies tail ends, but can be removed and reattached year-after-year to allow for re-tensioning (page 21)
- Always leave a wire tail of at least 75 mm / 3" to allow for re-tensioning
- For correct wire placement in a Gripple tensioning tool, ensure the cam is fully open, by knocking the handles outwards



## **Tensioning**



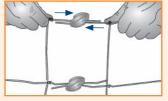


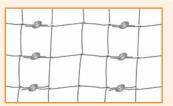




## Repair











# **End post termination**

#### For plain wire, barbed wire and netting

The Gripple range takes all the stress out of end-post termination. From a simple loop around an end post on plain or barbed wire to the ingenious Gripple T-Clip, ideal for netting and mesh - all ensure a tight, neat finish and are installed in a fraction of the time of traditional knots.

**Plain wire -** The Gripple Plus is ideal for termination of plain wire, used to create a loop around the end post. Tension can then be applied to pull the line tight using a Gripple tensioning tool.

**Barbed wire -** As an alternative to a Gripple Plus, the T-Clip 2 makes finishing off barbed wire simple, fast and safe. The T-Clip 2 hooks on to the wire, then the tail end is brought around the post and through the channel to create a neat, professional terminus.

**Netting and mesh -** The T-Clip is ideally suited to field fences, negating the need to twist and tie each line wire, especially where space is constrained on smaller mesh configurations. Simply hook on, push the tail wire through and tension the fence as normal – it's that easy.



Wire type	Wire range (mm / ga)	GP Small	GP Medium	GP Large	Gripple Jumbo	Gripple Barbed	T-Clip	T-Clip 2	Maximum Load (kg / lbs)
Plain wire / Field fence (pre-fab) / Electric fence	1.40 - 2.20 mm 17 - 13 ga	$\checkmark$							300 kg 660 lbs
	2.00 - 3.25 mm 14 - 10 ga		<b>✓</b>				$\checkmark$		400 kg 880 lbs
	3.25 - 4.20 mm 10 - 7 ½ ga			$\checkmark$				$\checkmark$	600 kg 1,320 lbs
	2.50 - 3.15 mm 12 ½ - 10 ga				$\checkmark$				600 kg 1,320 lbs
High tensile barbed wire	1.60 - 1.70 mm 15 ½ – 15 ga		<b>√</b>				<b>√</b>		400 kg 880 lbs
Mild steel barbed wire	2.00 – 2.50 mm 14 – 12 ½ ga					<b>✓</b>		<b>√</b>	150 kg 330 lbs

"Gripple products eliminate timeconsuming knotting and stapling of wires at a strainer post, with simple push-fit mechanisms that are installed in seconds."

#### **Advantages**

- 4 times faster than traditional knots, saving you time and labour in fence assembly
- No need to remove or cut verticals, simply 'twist and push' the T-Clip onto the fence
- Corrosion resistant internal ceramic technology ensures every Gripple product will last for years to come, without compromise on performance
- Self-tightening and easy to apply tension T-Clips will put tight to the end post when the fence is tensioned, or a Gripple Plus can be tightened using a Gripple tensioning tool
- A Gripple product for every wire type there is a Gripple end-post solution for every wire type and diameter, from mild steel to barbed and plain wire to netting, all with a simple push-fit mechanism

#### Installation - Plain / Barbed wire











## Installation - Netting / Barbed wire

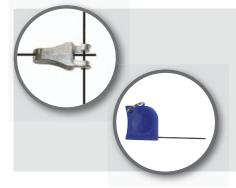












- Straighten out wire crimps prior to installation, for smoother wire entry
- No need to tension a T-Clip, simply tension the fence at the join as normal, and the T-Clips will pull tight to the end post
- On field fence, install the T-Clip as close to the end post as possible, inside the closest vertical
- Reposition or remove using an Adjustment key (page 21)

"The Gripple Plus range of products act as a fantastic conductor of electrical current, making them ideal for electric fence installation and repair."

# **Electric fencing**

#### For installation and repair

The Gripple range is ideal for electric fencing, as Gripple products are manufactured from zinc, working as fantastic conductors of electrical current. They are used either to join wire in the centre of a fence, repair a broken fence, or alongside an insulating agent for end post termination.

**Join -** The push-fit mechanism of a Gripple Plus ensures electric fencing is joined easily, and then tension is applied using a Gripple tensioning tool. The metal housing means there is no break in electric current across the join itself.

**End post termination -** When terminating electric fencing at end posts, an insulating medium must be used, such as insulator tubing, or a post insulator. The Gripple unit can then be installed and tensioned as normal. Alternatively the Gripple Electric Fence kit incorporates a Gripple joiner and tensioner with insulating monofilament (4.00 mm x 600 mm / 5/32" x 2 ft) and is installed and tensioned easily using a Gripple tensioning tool.

**Maintain -** Natural ground movement and wire ilongation may cause your fence wire to sag, simply re-tension the Gripple Plus year-after-year to combat this.

**Repair -** Create repairs effortlessly, simply splice a new section of wire into your electric fence using two Gripple Plus, then apply tension to finish.



Wire type	Wire range (mm / ga)	Gripple Plus Small	Gripple Plus Medium	Gripple Plus Large	Gripple Plus Jumbo	Electric Fence Kit	Maximum Load (kg / lbs)
	1.40 – 2.20 mm 17 – 13 ga	$\checkmark$					300 kg 660 lbs
	1.80 - 3.00 mm 15 - 11 ga					<b>√</b>	300 kg 660 lbs
Plain wire	2.00 – 3.25 mm 14 – 10 ga		<b>√</b>				400 kg 880 lbs
	3.25 – 4.20 mm 10 – 7 ½ ga			<b>✓</b>			600 kg 1,320 lbs
	2.50 – 3.15 mm 12 ½ - 10 ga				<b>√</b>		600 kg 1,320 lbs



#### Advantages

- Manufactured with a zinc housing ideal for conducting electricity and maintaining the circuit
- Joins and tensions in one, with no knotting or bending of the wire required - removing the need for traditional clamps, crimps and strainers
- Can be used alongside existing electrical fence insulators, for termination at an end post
- Repairs are speedy and economic, as a small section of wire is simply spliced into the break using two Gripple units
- 4 times faster than traditional knots, saving you time and money in labour
- A Gripple product to suit most plain wire sizes and types, from conventional mild steel to strong high tensile

#### Installation - In-line











#### Installation - Around a post













- Don't forget, a Gripple can be tensioned and re-tensioned (page 20)
- Reposition before tension using an Adjustment key (page 21)



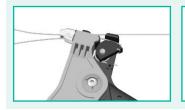
# **Tensioning tools**

### For installation, maintenance and repair

Gripple tensioning tools allow each line wire to be tensioned and re-tensioned individually, optimising the life of your fence. The Torq tensioning tool is lightweight and compact, ideal for hobby farming, whereas the Contractor tool's metal construction is strong, robust and suitable for everyday use.

Replacement cam sets are available to combat natural wear and tear of teeth.

### **Tensioning**





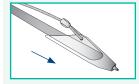
# **Gripple Anchor**

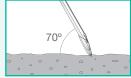
### To secure your fence

The Gripple Anchor secures or ties down wire fencing where space is limited, or extra security required. Simple and fast to install, the anchor is driven directly into the ground for immediate connection to a bracing wire.

Replacement drive tool tips are available to ensure continued ease of installation.

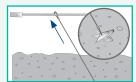
#### Installation













"Gripple accessories make installation even easier and help produce a professional, neat finish."

## **Accessories**



#### **Twister**

Envelops the tail wire protecting for potential injury. UV treated for longevity.



#### **Adjustment key**

For adjusting the position of Gripple Plus products prior to load being applied.



#### **Gripple Work belt**

Lightweight yet durable workbelt with handy pockets for Gripple products and tools.



#### **Cutters**

Cut wire and wire rope up to 4.00 mm / 5/32" diameter. Hardened jaws for durability. Made in Japan.

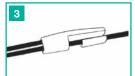
## Tips and hints

- Always leave at least 75 mm / 3" tail wire to allow for re-tensioning
- Ensure the tool cam is fully open by knocking the handles outwards
- Regularly lubricate the tool cam area for smooth operation
- Always hammer the Gripple Anchor in fully, to a depth of 1 m / 3 ft
- To aid removal of the Anchor drive tool, the hole in the striking head can be used as a point of leverage

#### **Twister**







### Adjustment key





"Gripple make the finest wire joiners and tensioners on the market today; we're the original and still the best."

## Who we are

#### An introduction to Gripple

Whether they're used to tension trellis wires in vineyards and orchards, to join or repair a fence in a field or along a motorway, or to hang services in a new or renovated building, Gripple make the finest wire joiners and tensioners on the market today; we're the original and still the best.

**Made in England -** Manufactured in Sheffield since 1988, a city famous for its steel making and pioneering innovations.

**Problem solving products -** We find effective solutions to real-life problems and make difficult, time-consuming and cumbersome jobs fast and easy.

**Employee-owned -** Job satisfaction on every level, from engineering and manufacturing to sales and marketing.

Back-up service - We focus on the users needs, and always strive to exceed customer expectations.

**Environmentally aware -** Sustainability has always been central to our company ethos and continues to be integral in all areas of operation.

## **Awards**

- 1990 Concours Lepine Gold Medal (France)
- 1990 Grand Prix du President de la République (France)
- 1991 The Prince of Wales Award for Innovation
- 1995 Export Times Corporate Exporter of the Year
- 2000 Queen's Award for Enterprise Innovation
- 2001 National Language for Export Regional Winner (Trade Partners UK)
- 2002 British Chambers of Commerce Export Excellence Award
- 2003 IMechE Best Product Innovation
- 2003 Management Today Awards for Manufacturing Best Innovation for RandD
- 2003 Management Today Awards for Manufacturing Best Small Plant
- 2004 National Community Mark Standard
- 2004 IMechE Best Factory Award Overall Winner

- 2004 IMechE Best Small / Medium Enterprise
- 2006 The Manufacturer Manufacturer of the Year Award
- 2007 EEF Annual Environmental Award
- 2007 British Chambers of Commerce Achievement in International Business
- 2008 Queen's Award for Enterprise International Business
- 2009 IMechE Best Small / Medium Enterprise
- 2009 BFA Best Engineering Plant Award
- 2009 BFA Best Small Company Award
- 2009 BFA Innovation Award
- 2010 Queen's Award for Sustainable Development







**Tension plain wire** with the Gripple tensioning tool



**Join plain wire** with Gripple Plus



Join pig netting using Gripple Plus



**Brace H-Posts** with a Gripple Plus Anchoring Kit (GPAK)



**Terminate barbed wire** using a Gripple T-Clip 2



Join horse mesh using Gripple Plus and Twisters



**Join netting** using Gripple Plus



Join barbed wire using Gripple Plus



**Tension plain wire** with a Gripple tensioning tool

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