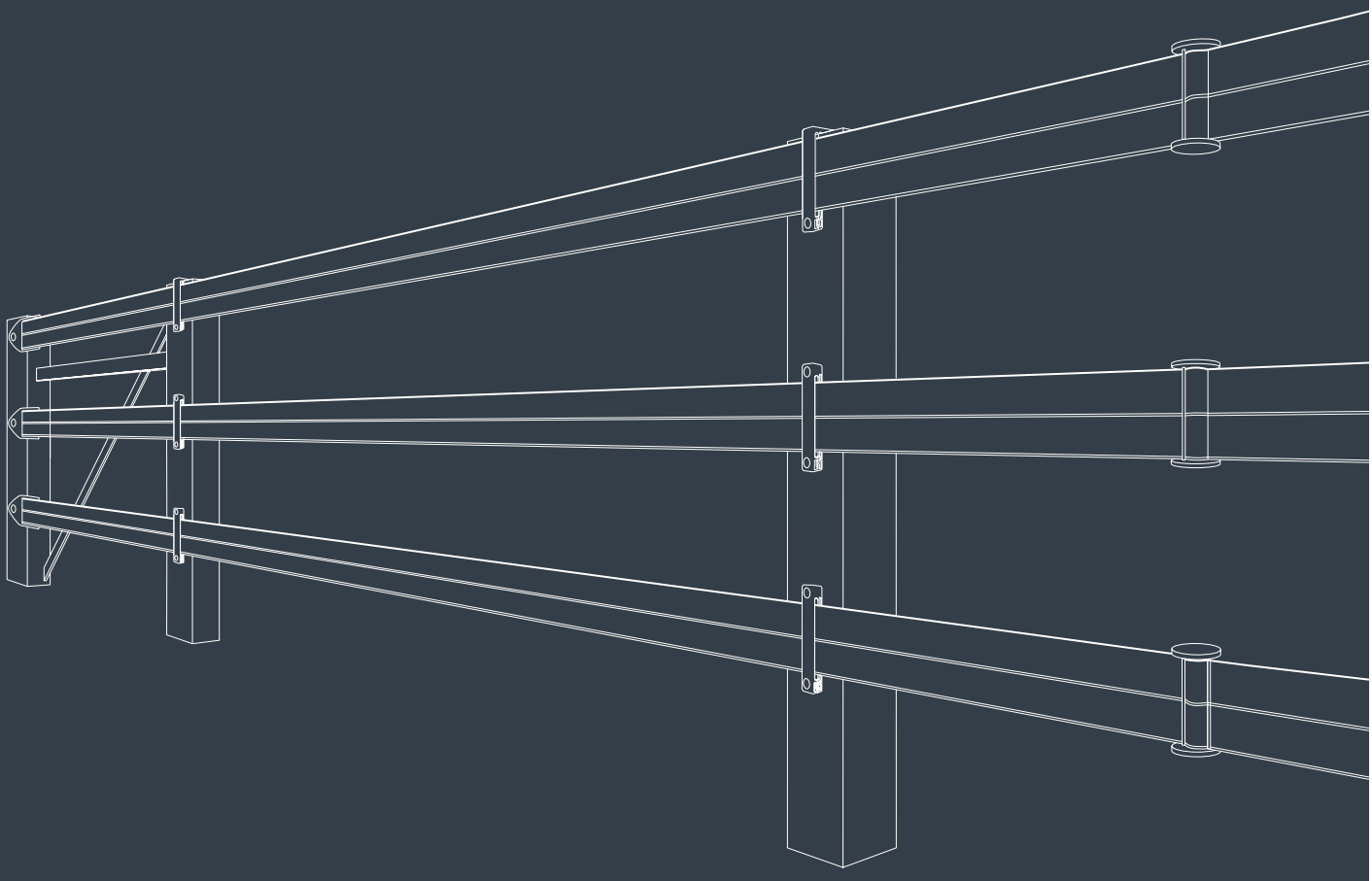
Titan Rail
Installation Guide.

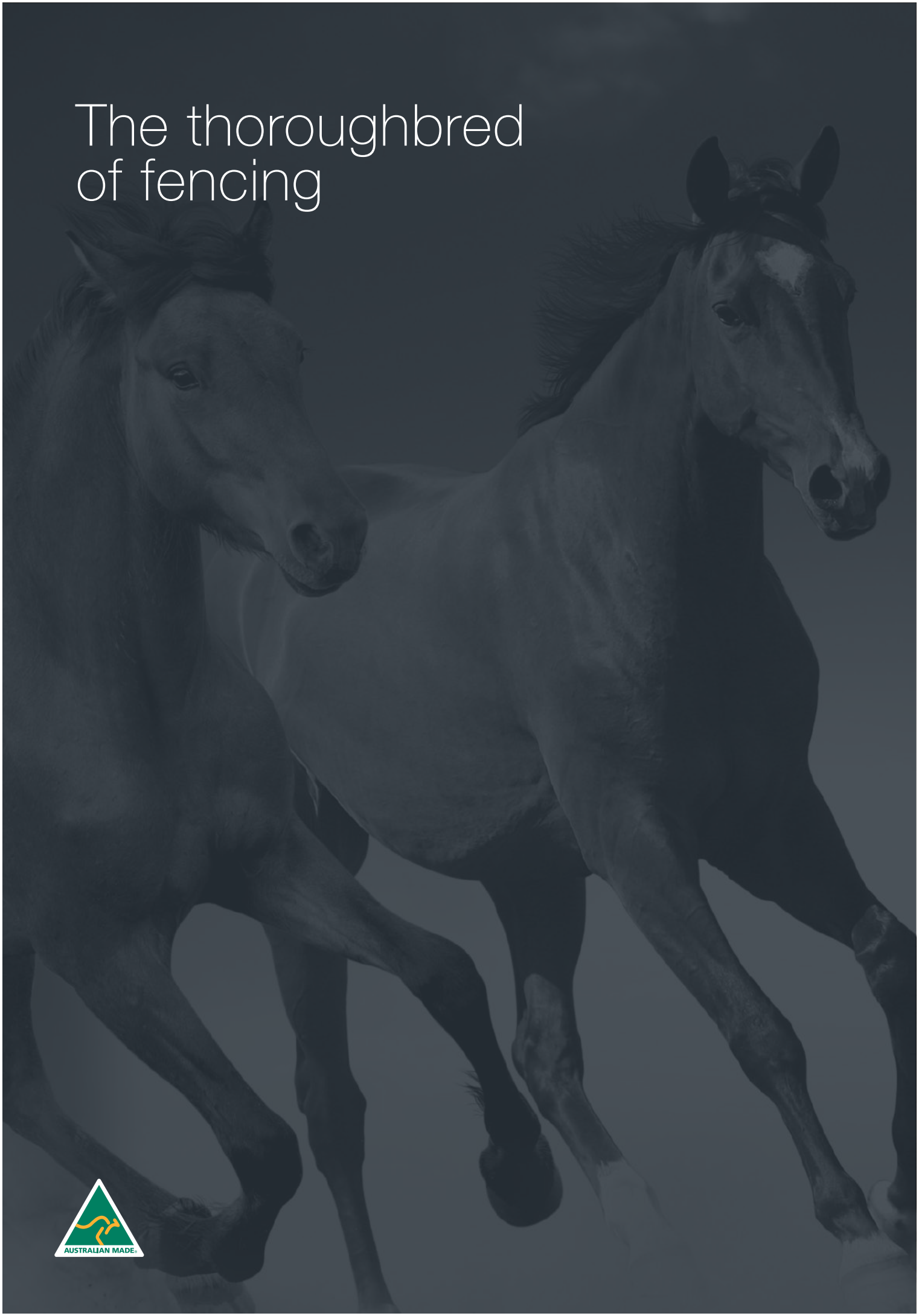
The thoroughbred of fencing



Distributed by Whites Rural

TITAN RAIL

The thoroughbred of fencing



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Getting Started

Congratulations on your new Titan Rail Fence System.

Titan Rail is an innovative fencing solution featuring three high tensile wires built into the top, centre and bottom of a flat rail. This remarkable rail can be easily electrified using a standard electric fence energiser on the top and bottom wire.

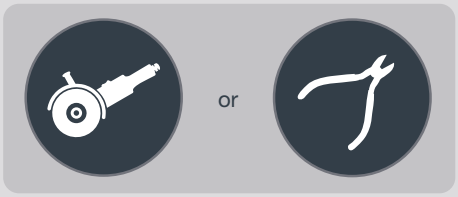
Titan Rail Fencing Features:

Installation Tips

- ✓ We recommend a 4m post spacing. Titan Rail can accommodate up to a 6m spacing.
- ✓ Internal corners can be easily made using our corner brackets. External corners use two standard brackets next to each other, refer to page 16.
- ✓ When planning your Titan Rail layout it is important to construct suitable strainer assemblies. This can be done using a conventional timber end assembly, pre-made steel braced end stays.
- ✓ End assemblies need to be included anywhere that the fence changes in direction by over 45 degrees and where end brackets or insulstrainers are attached..
- ✓ If you need to join the Titan Rail you can achieve this by purchasing a Titan Rail joiner.
- ✓ When unrolling, Titan Rail can appear wavy. When tensioned it will straighten.
- ✓ Titan Rail is easier to install on a warmer day. We also recommend re-tensioning the rail on the first warm day after installation, to eliminate any warps or twists.

Tools Required.
What you will need to get the job done.

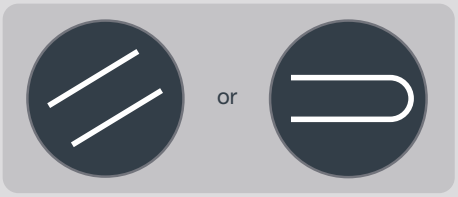
Drill



Grinder or Wire Cutter

Pencil

Safety Glasses



10-12mm diameter steel bar minimum 400mm long or Titan Rail Strainer Bar

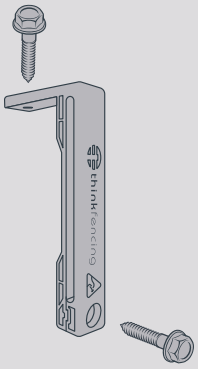
Shifter or 20mm Spanner

Tape Measure

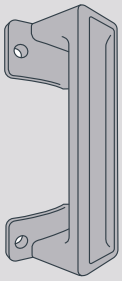
Note: Depending on the size and type of post you will need to obtain a nut and bolt to go through the post and centre hole of the end brackets and corner brackets.

Titan Rail.
Components.

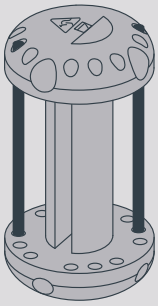
Titan Rail Front Bracket
(25 pack)



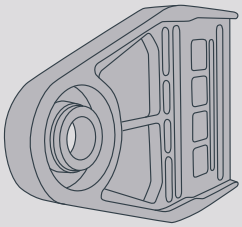
Titan Rail Top Bracket
(25 pack)



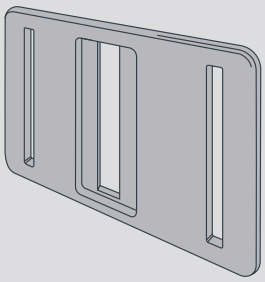
Titan Rail
Internal Corner Bracket



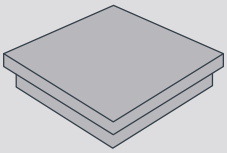
Titan Rail
Line Strainer



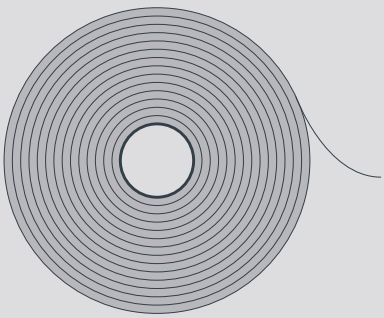
Titan Rail End Bracket System



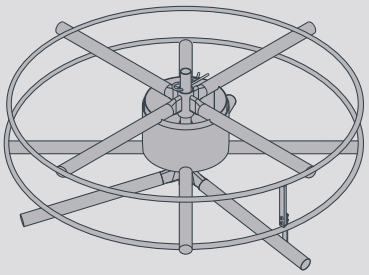
Titan Rail Stainless Steel
Joining Buckle



Longranger Post Cap



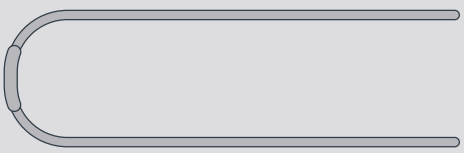
Titan Rail Roll (100m) Titan Rail Roll (200m)



Titan Rail Spinner

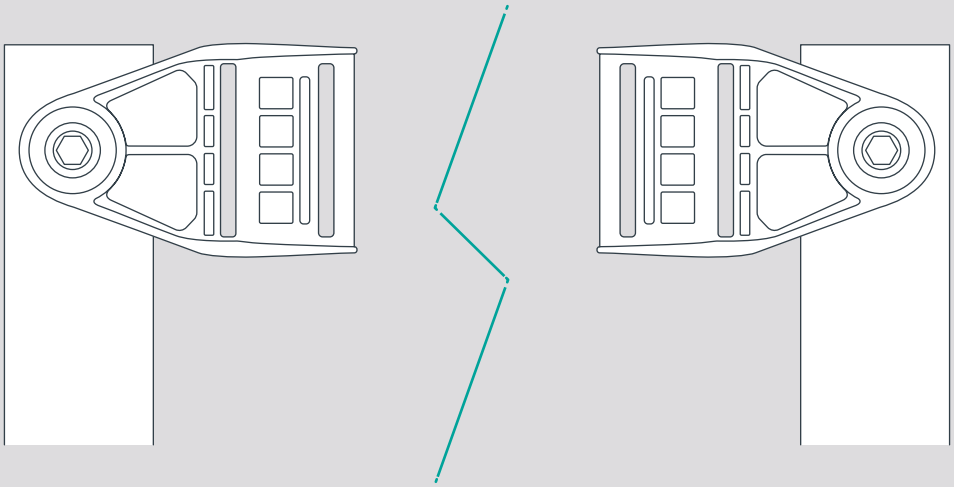
Longranger
Post 1.8m*

Longranger
Post 2.1m*



Titan Rail Line Strainer Tool

End Brackets



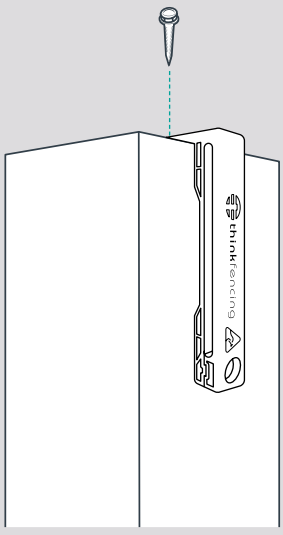
1

Measure out your rail spacing. Spacing between rails are varied based on your specific requirements.

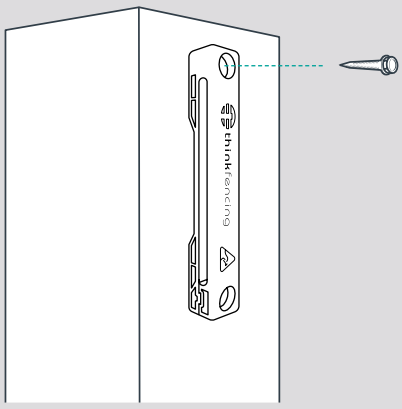
Attach both end brackets directly to the strainer post at your desired height using the nut and bolt provided.

Refer to installation tips on end assembly construction

Tools you will need:



Top Bracket



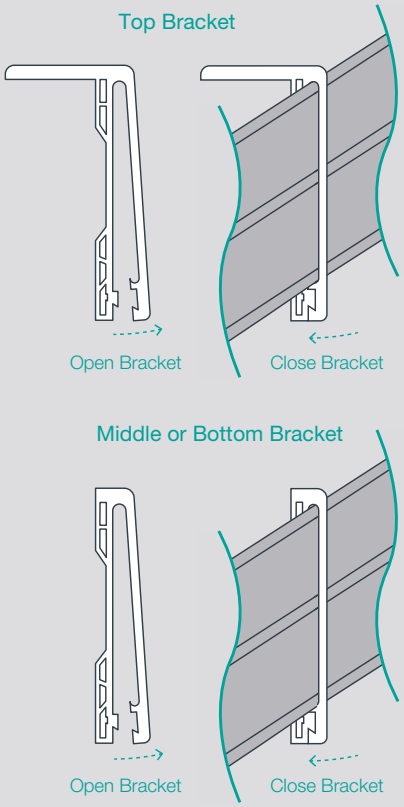
Side Bracket

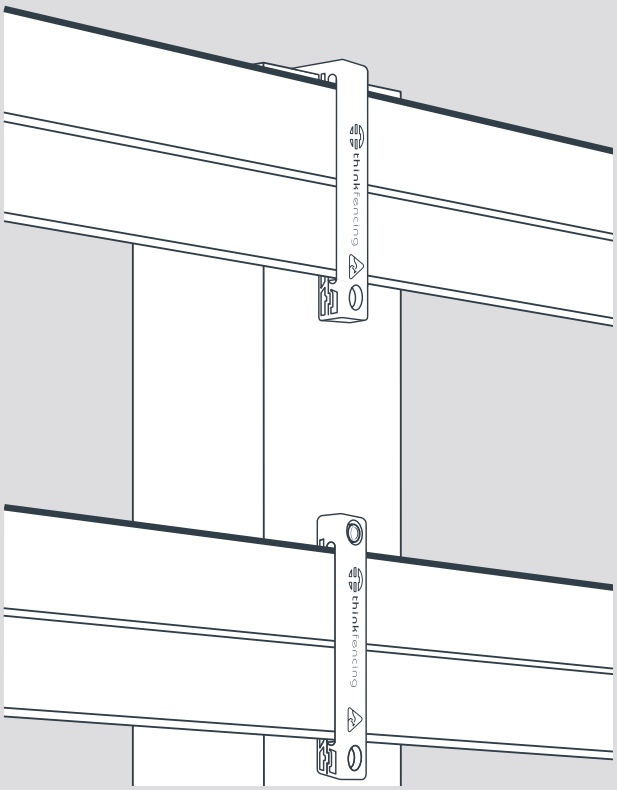
2

Screw the top bracket onto timber posts along the fence run using a tek screw. Longranger posts will need the top post cap installed before you can screw the top bracket.

Do not install a tek screw in to the bottom of the bracket until the Titan Rail has been run through the bracket.

Tools you will need:

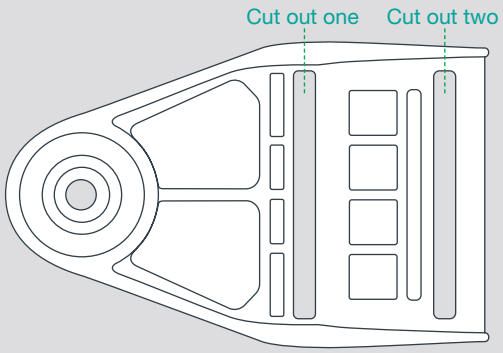


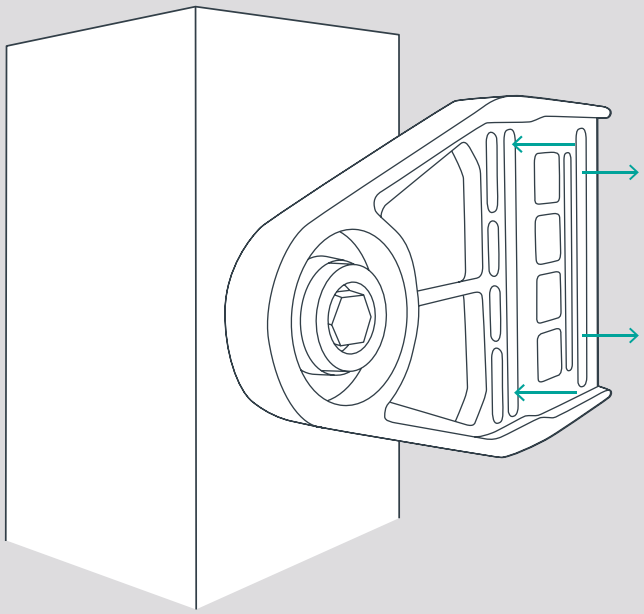


3

Roll the Titan Rail out along the fence run.

With only the top bracket screw in place, lift the front section of the bracket and slide the rail into the bracket and push it closed with your hand.

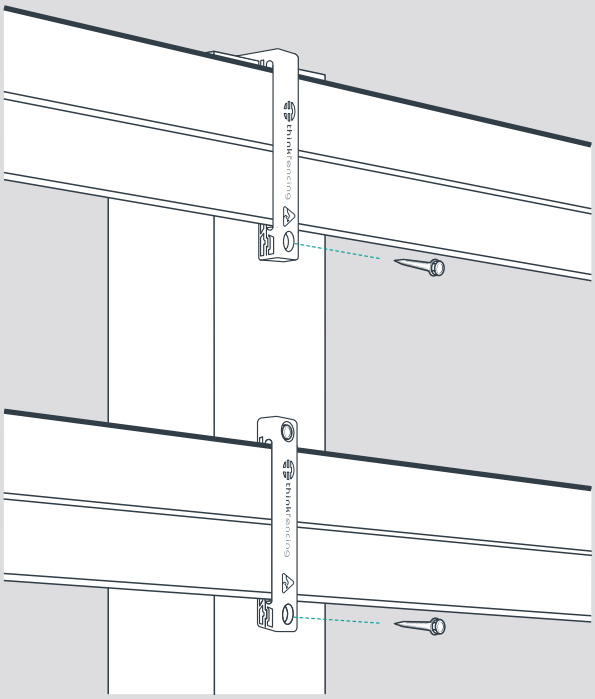




4

Attach the Titan Rail to the first end bracket.

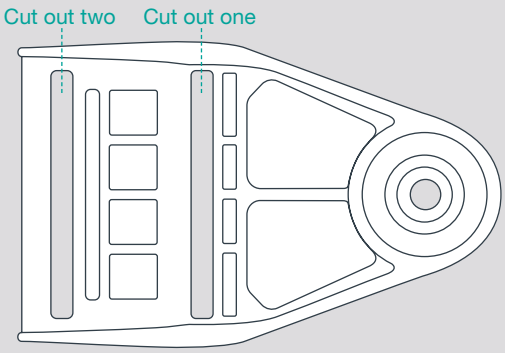
Slide the Titan Rail through cut out one then back through cut out two. Make sure that at least 100mm of Titan Rail is pulled through the End Bracket.

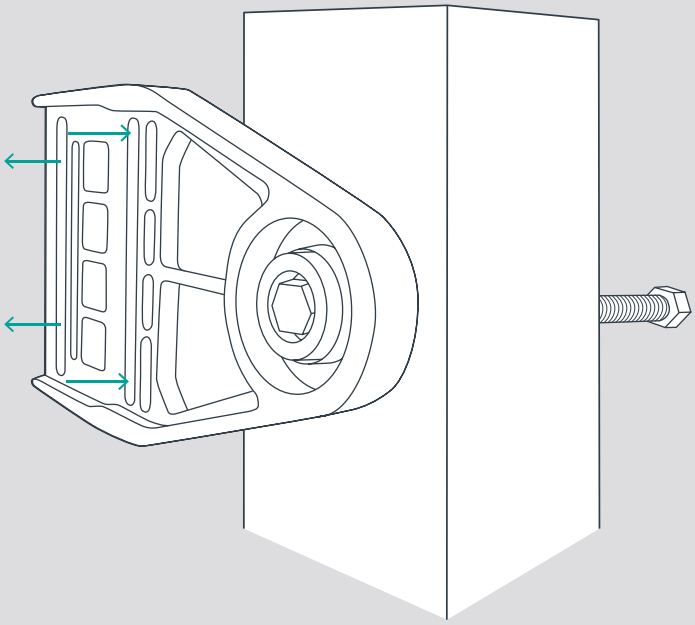


5

Fasten the bottom screws into the top and side brackets.

Tools you will need:





6

Attach the Titan Rail to the second end bracket keeping it as tight as possible.

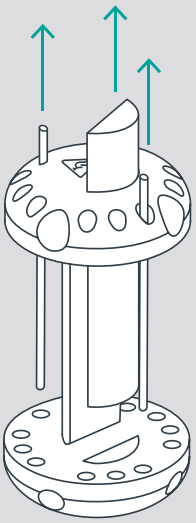
Slide the Titan Rail through cut out one then back through cut out two. Make sure that at least 1000mm of Titan Rail is pulled through the end bracket. This will give you something to pull tight.

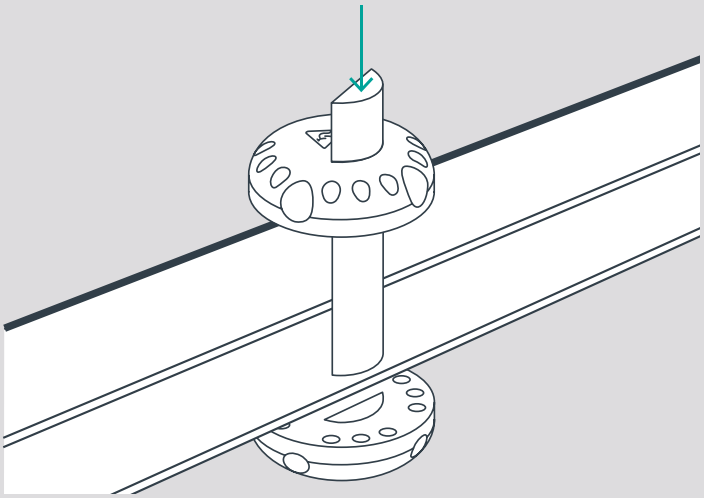
CORRECT INSTALLATION

The end of the bolt sits recessed with-in the end bracket, this makes the fence safe for horse if they rub against the fence.

INCORRECT INSTALLATION

The end of the bolt protrudes because the end bracket has been installed back to front. This can cause an injury to a horse if they rub against the fence.

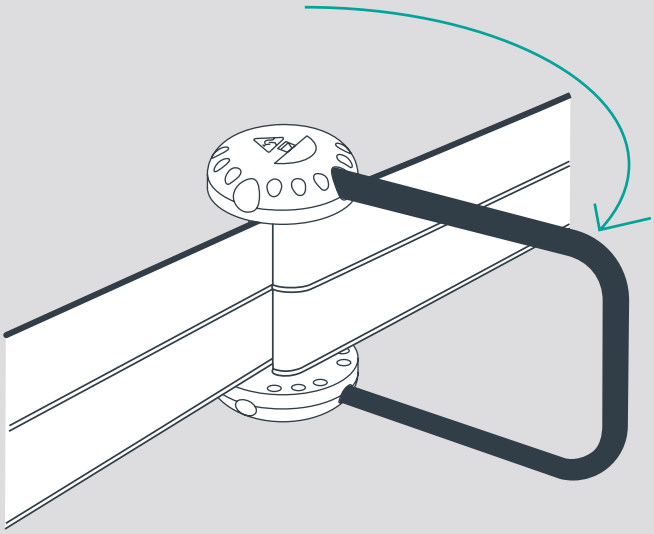


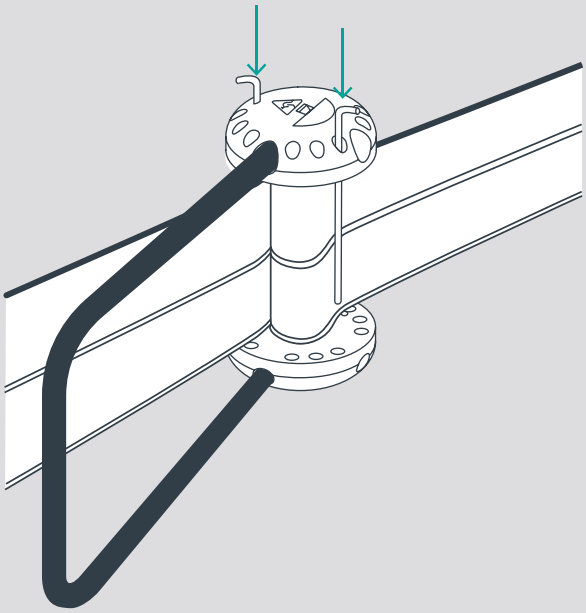


7

Slide out the centre insert and rods from the line strainer. Place the Titan Rail inside the line strainer and then replace the centre insert.

Tools you will need:





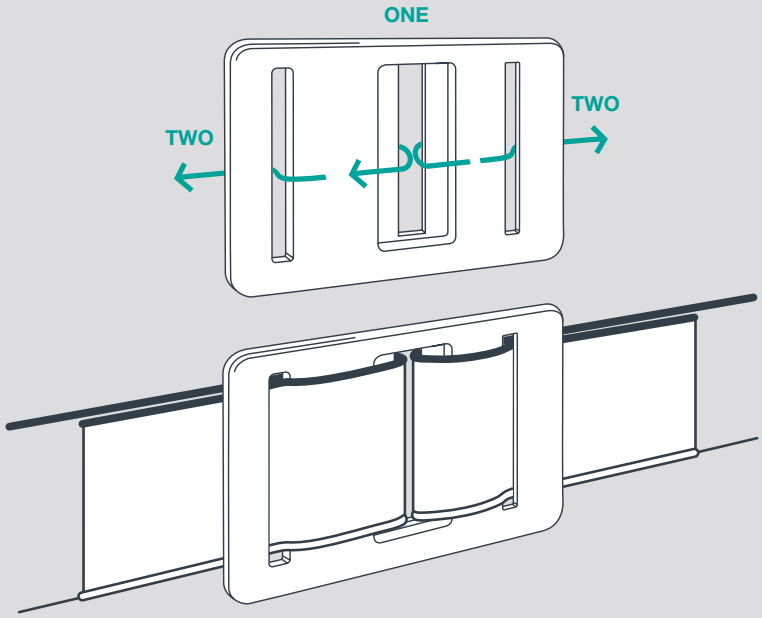
8

Tension the Titan Rail using the tensioning tool. Insert the tensioning tool into the holes at the top and the bottom of the line strainer and rotate to tighten the rail. Once tensioned, hold in place using the rods or Titan Rail Tensioning Tool which are inserted into the small holes.

You may need to repeat this step multiple times to achieve desired tension.

Tools you will need:

Joining Titan Rail using a Joining Buckle



Slide the Titan Rail in through the middle cut out and back though the smaller cut out. Repeat for the other side. on the same side.

Tools you may need:

Trimming Excess Rails

CORRECT INSTALLATION

The excess rails can be trimmed with a grinder or wire cutters.

Titan Rail Electrified

ELECTRIFYING TITAN RAIL TIPS

- ✓ A standard electric fencing energiser will work on Titan Rail.
- ✓ Expose a section of the wire large enough to enable you to connect an electric fence terminal lug. This can be done with a sharp knife.
- ✓ To electrify Titan Rail when stopping and starting, use a connecting buckle to join the two together. This will ensure the conductivity continues.

CONNECTING THE POSITIVE WIRE

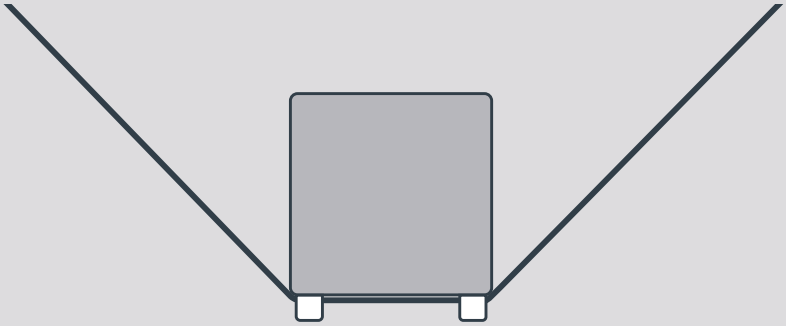
If electrifying the top and bottom wire of the Titan Rail you will need to bridge the connection to both wires using standard terminal Lugs.

EARTHING THE FENCE

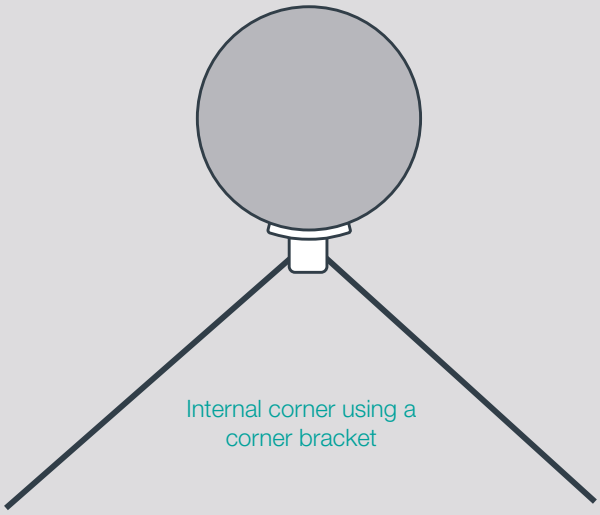
Earth the fence using recommended earthing techniques by your electric fence energiser manufacturer.

Corner Posts Brackets

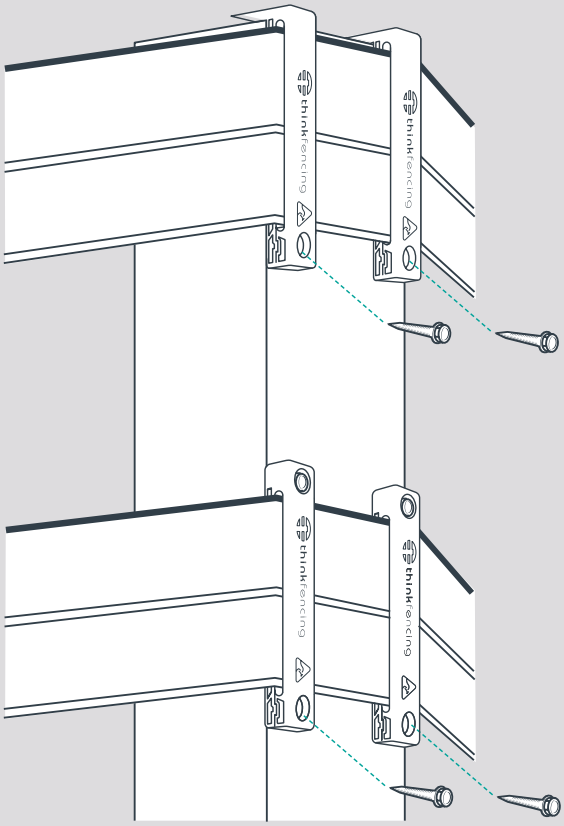
Top Elevation View of Corner Post and Titan Rail



External corner using standard brackets



Internal corner using a corner bracket



CORNER POST BRACKET INSTALL

The top bracket should be installed on the outer edge of the post to provide protection from rubbing to the Titan Rail.

Round post internal
corner bracket

Square post external
corner bracket

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