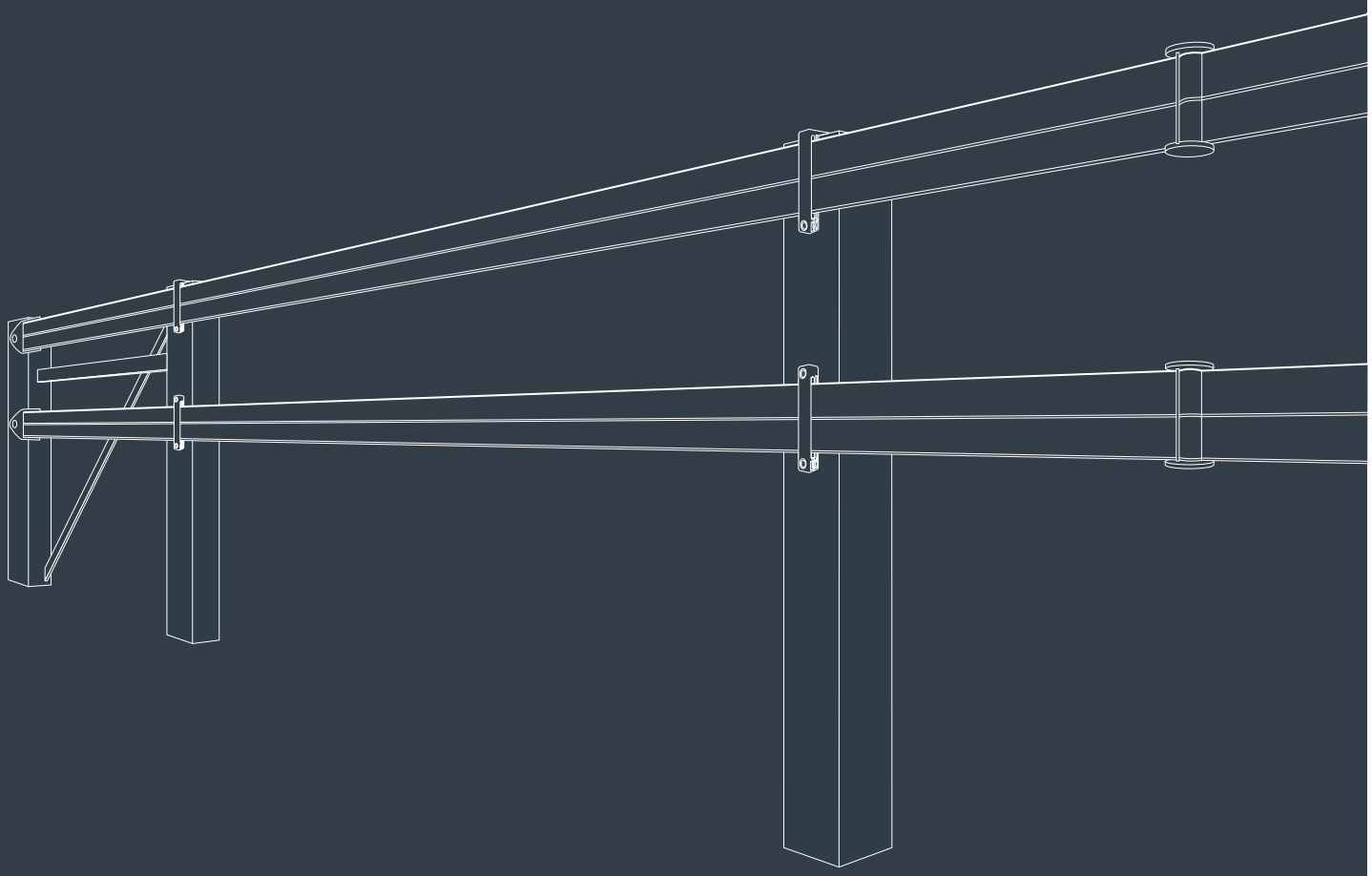
Rural Fencing
Zappa Rail.

Installation Guide



thinkfencing
The Thoroughbred of Fences

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Getting Started

Congratulations on your new Think Fencing Zappa Rail Fence System.

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

Zappa Rail Fencing Features:

DIY Installation | Eco Friendly | Australian Made | Lifetime Warranty | UV Resistant | Electrifiable

Installation Tips

- ✓ We recommend a 4m post spacing. Zappa rail can accommodate up to a 6m spacing.
- ✓ We recommend stopping Zappa Rail and starting it again at every corner to acieve the best result when tensioned.
- ✓ When planning your Zappa 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 or using Think Fencing's end assembly kit.
- ✓ 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 Zappa Rail you can achieve this by purchasing a Zappa Rail Joining Buckle or a Line Strainer can be used.
- ✓ Screwing the brackets in too hard can cause damage and make it difficult for the Zappa Rail to slide through the brackets.
- ✓ When unrolling, Zappa Rail can appear wavy. When tensioned it will straighten.
- ✓ Zappa 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.

Electrifying

- ✓ The black strip on the white Zappa Rail is the electrified side.
- ✓ The black Zappa Rails electrified side is glossier than the rest of the rail.
- ✓ When you receive your Zappa Rail roll there is a sticker pointing to the electrified side. Take note of this.
- ✓ A standard electric fencing Energiser will work on Zappa Rail.
- ✓ Expose a section of the electrifiable wire large enough to enable you to connect an electric fence terminal lug. This can be done with a sharp knife.
- ✓ To electrify Zappa Rail when stopping and starting, expose the electrifiable wire and use a connecting wire to join the two together. This will ensure the conductivity continues.

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

Tape Measure

Pencil

Wire Cutters

Drill with 8mm Tek Head

Scissors or Shape Knife

Shifter or 20mm Spanner

Safety Glasses

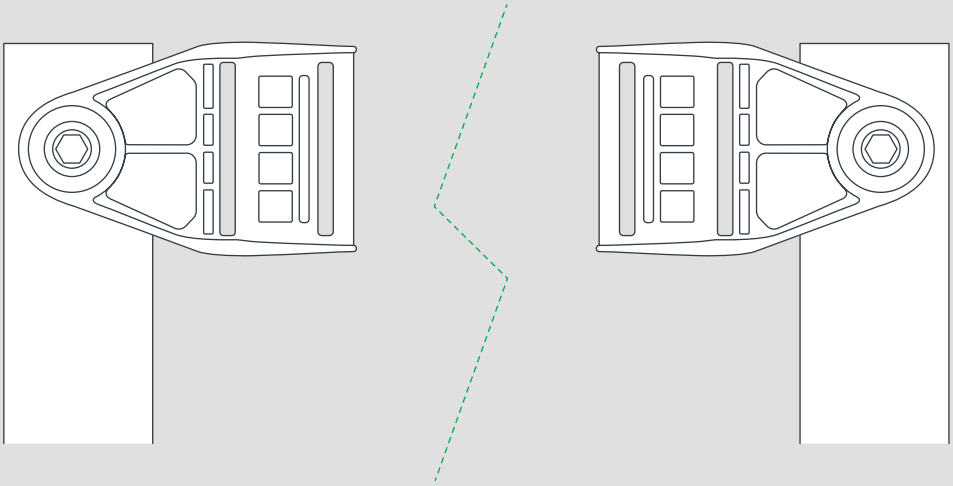
Screwdriver

Set Square

Ratchet

Angle Grinder/ Drop Saw

Option One - Line Strainer



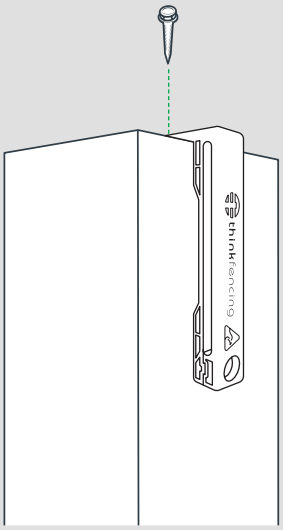
1

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

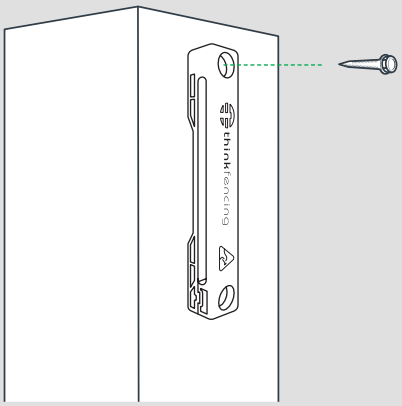
Attach both End Brackets directly to the strainer post at your desired height using the nut and bolt provided.

Refer to installation tips on end assembly construction

What you will need:



Top Bracket



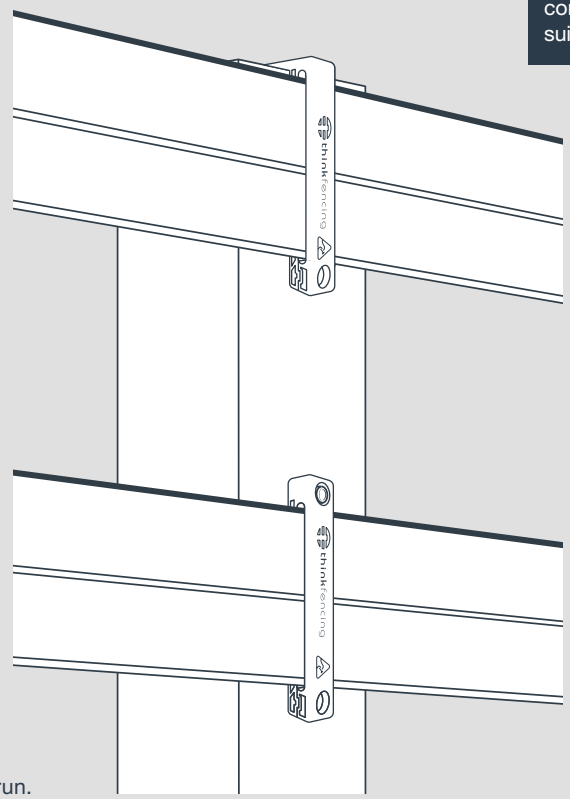
Side Bracket

2

Screw the top of each bracket onto the posts along the fence run using a Tek screw.
Do not screw the bottom of the bracket.

What you will need:

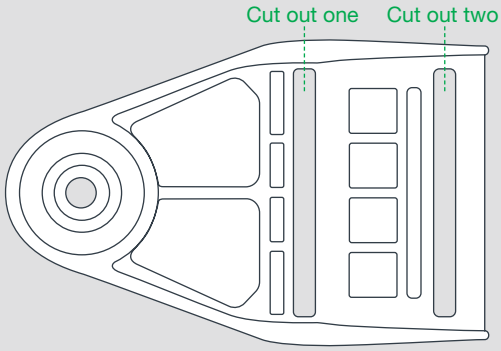
Please note: Ensure that you have the conductive wire orientated correctly to suit your specific needs when electrified.

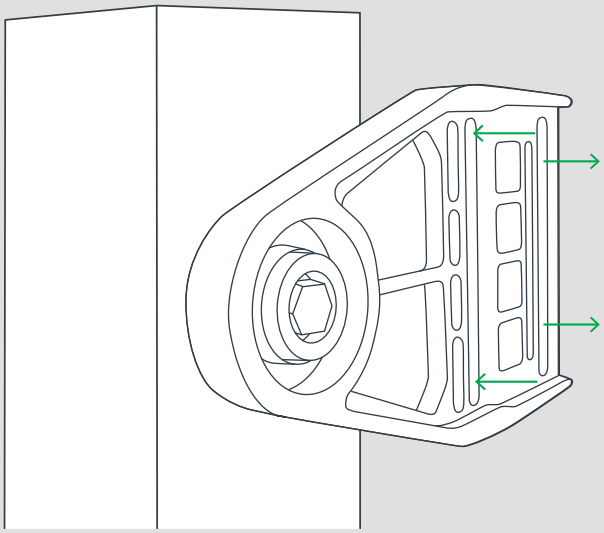


3

Roll the Zappa Rail out along the fence run.

Lift the Zappa Rail up into the bracket and clip the bottom of bracket to hold in place.

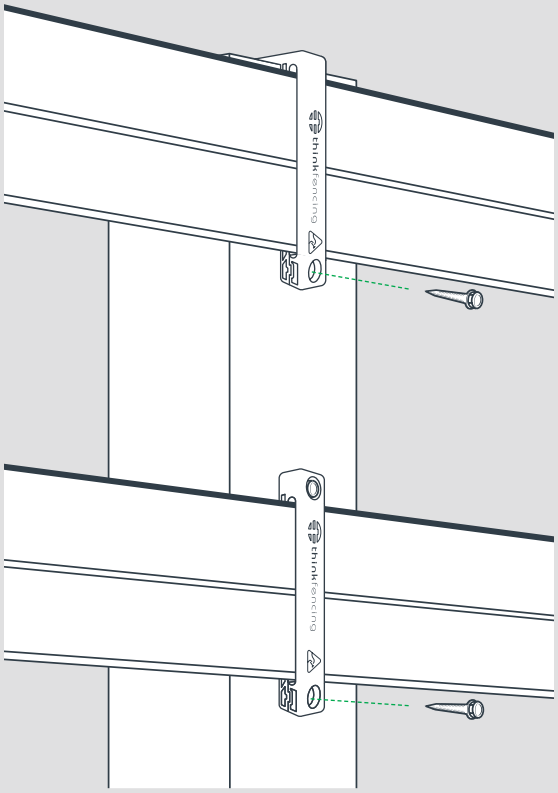




4

Attach the Zappa Rail to the first end bracket.

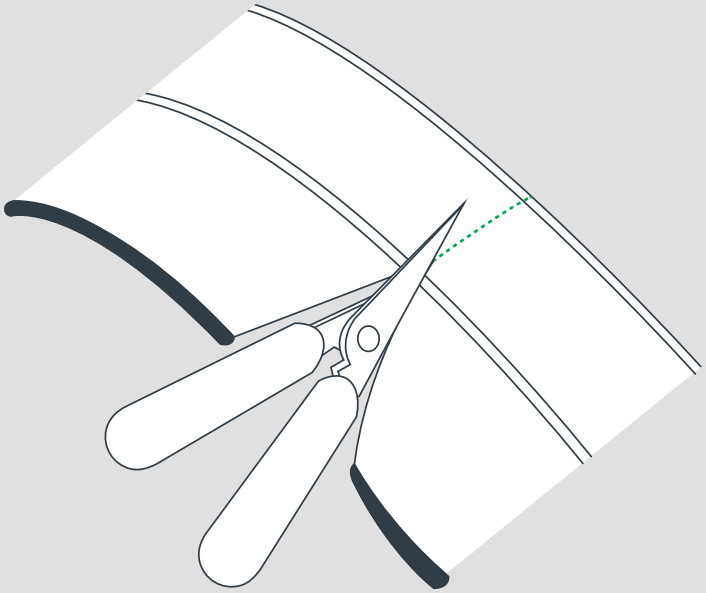
Slide the Zappa Rail through cut out one then back through cut out two. Make sure that at least 100mm of Zappa Rail is pulled through the End Bracket.



5

Fasten the bottom screws into the top and side brackets.

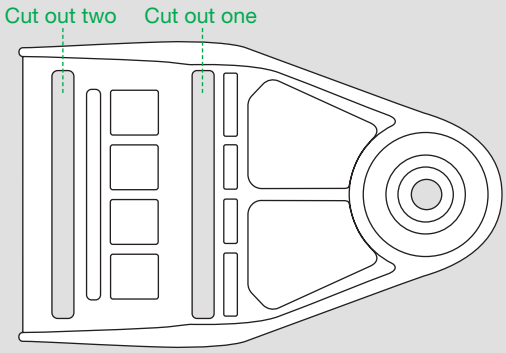
What you will need:

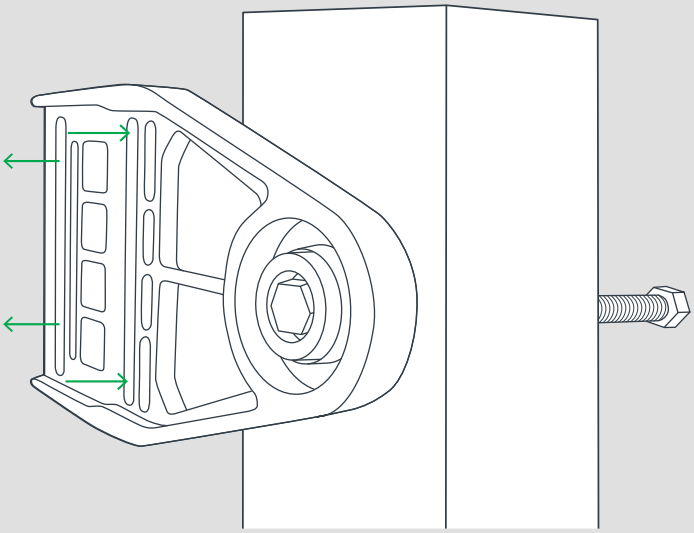


6

Pull the Zappa Rail tight by hand and mark where you need to cut the rail. Make sure you leave an extra 1000mm to thread through the End Bracket. Use a set square to mark a square out. Cut both wires using wire cutters, then using a sharp knife or scissors cut through the plastic, or cut with an angle grinder.

What you will need:

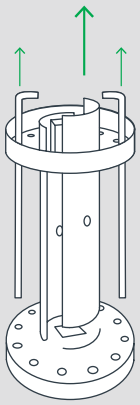


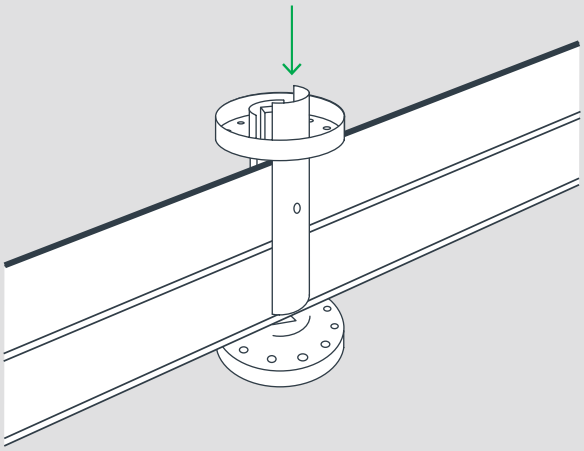


7

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

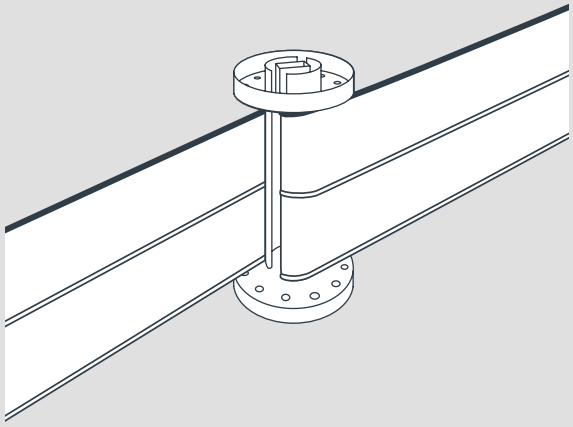
Slide the Zappa Rail through cut out one then back through cut out two. Make sure that at least 1000mm of Zappa Rail is pulled through the End Bracket. This will give you something to pull tight.

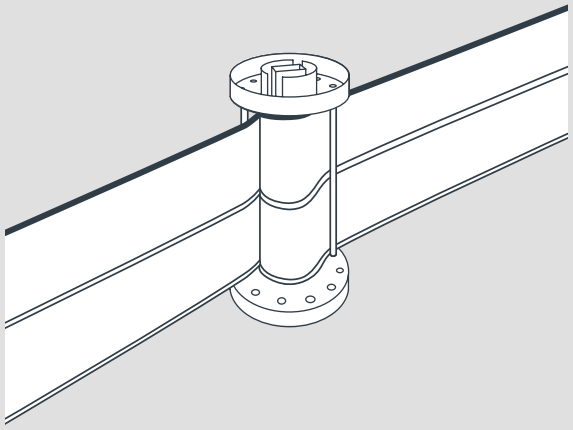




8

Slide out the centre insert and rods from the line strainer. Place the line strainer on the centre of the Zappa Rail run then replace the centre insert.





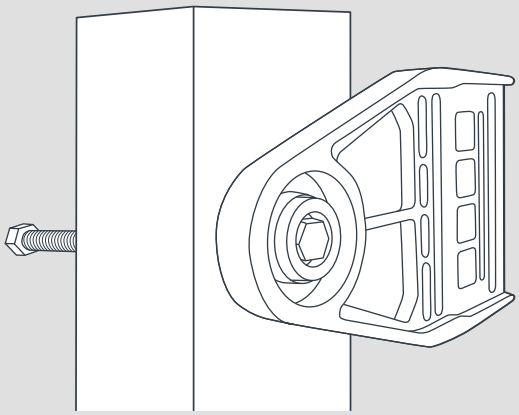
9

Tension the Zappa Rail using two ratchets (one on the top and one on the bottom).

Once tensioned hold in place using the rods provided.

What you will need:

Option Two - Insulstrainer



1

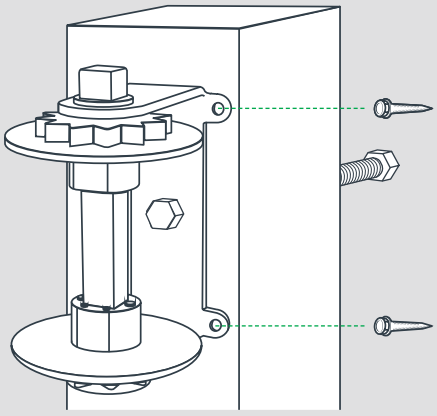
Measure out your rail spacing. Spacing between rails are varied based on your specific requirements.

Attach the End Bracket directly to the strainer post at your desired height using the nut and bolt provided.

Refer to installation tips on end assembly construction

What you will need:

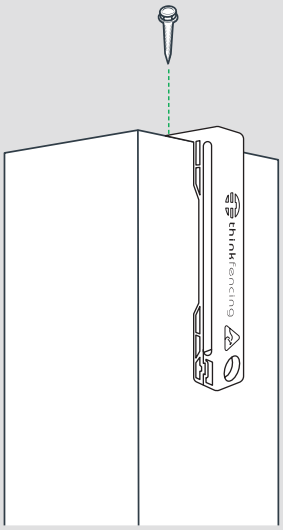
Please Note: Depending on the size and type of post you will need to obtain a nut and bolt to go through the post and centre hole of the Insulstrainer



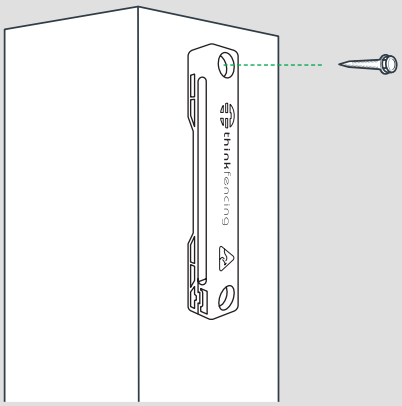
2

Attach the Insulstrainer at the same height as the End Bracket. Put nut and bolt (not supplied) through the middle of the Insulstrainer and fasten using four Tek screws on each corner of the Insulstrainer.

What you will need:



Top Bracket



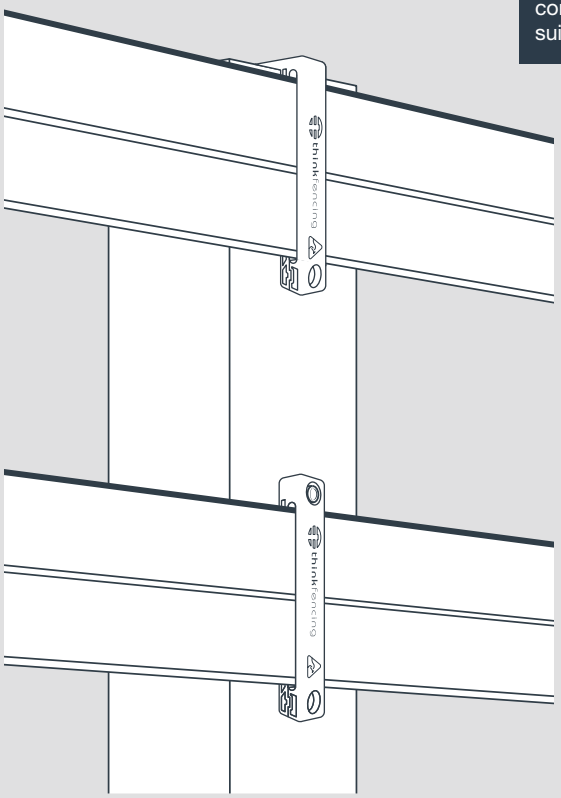
Side Bracket

3

Screw the top of each bracket onto the posts along the fence run using a Tek screw. Do not screw the bottom of the bracket.

What you will need:

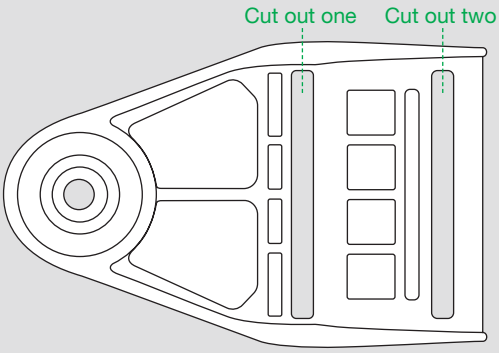
Please note: Ensure that you have the conductive wire orientated correctly to suit your specific needs when electrified.

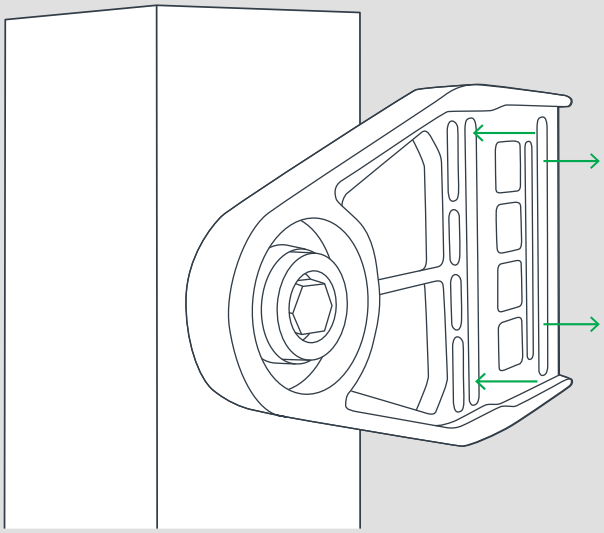


4

Roll the Zappa Rail out along the fence run.

Lift the Zappa Rail up into the bracket and clip the bottom of bracket to hold in place.

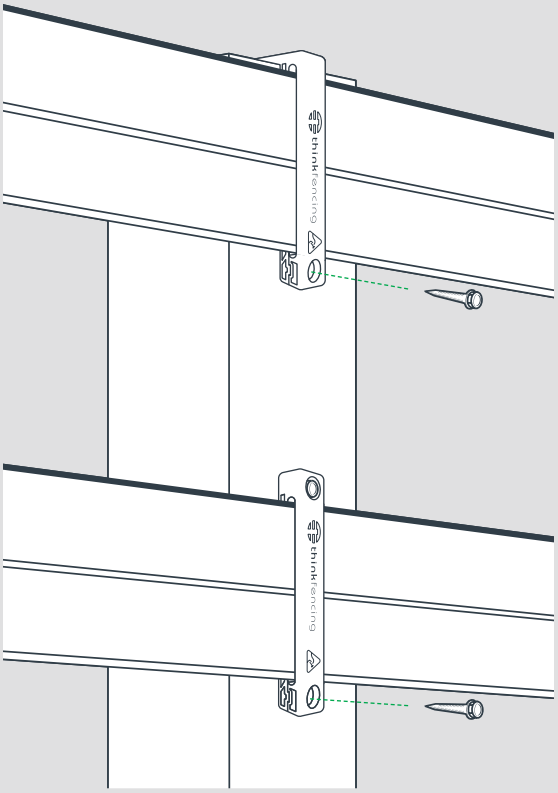




5

Attach the Zappa Rail to the end bracket.

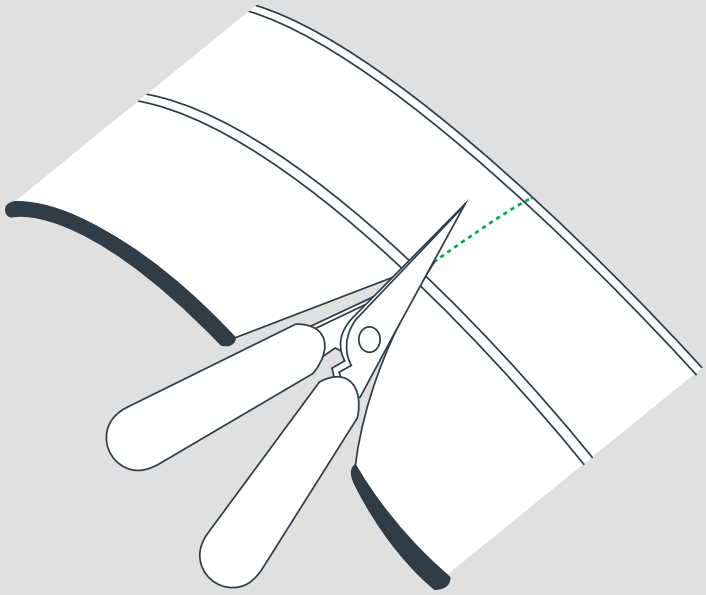
Slide the Zappa Rail through cut out one then back through cut out two. Make sure that at least 100mm of Zappa Rail is pulled through the End Bracket.



6

Fasten the bottom screws into the top and side brackets.

What you will need:

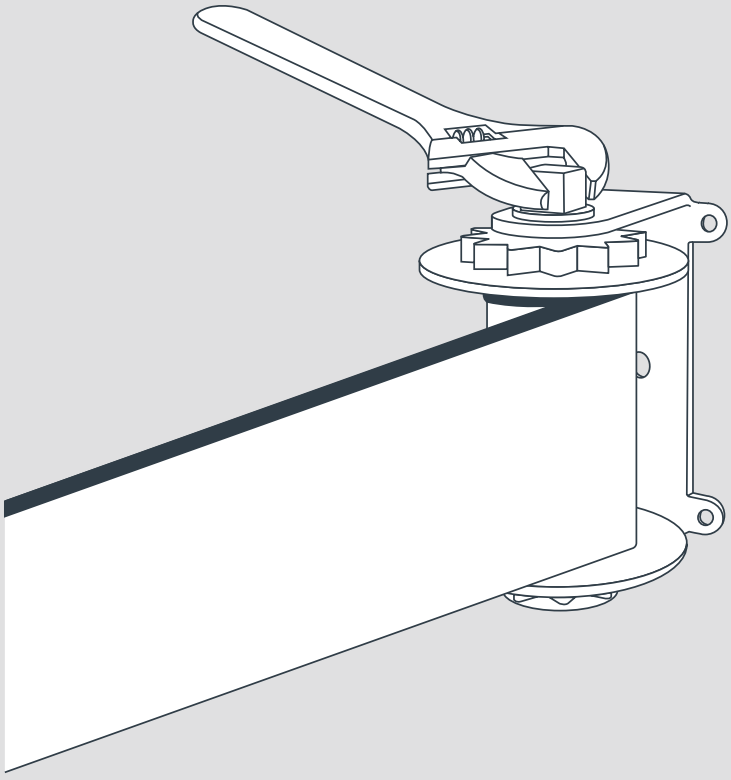


7

Pull the Zappa Rail tight by hand and mark where you need to cut the rail. Make sure you leave an extra 1000mm to thread through the End Bracket. Use a set square to mark a square out. Cut both wires using wire cutters, then using a sharp knife or scissors cut through the plastic, or cut with an angle grinder.

What you will need:

Please note: Do not put your fingers near the latch when releasing tension.



8

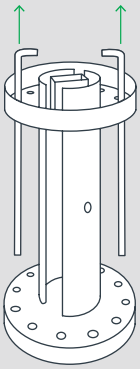
Thread the Zappa Rail in-between the rod and core of the Insulstrainer. Tighten using a spanner on the top of the core bolt. The Zappa Rail will wrap around the rod and core creating tension.

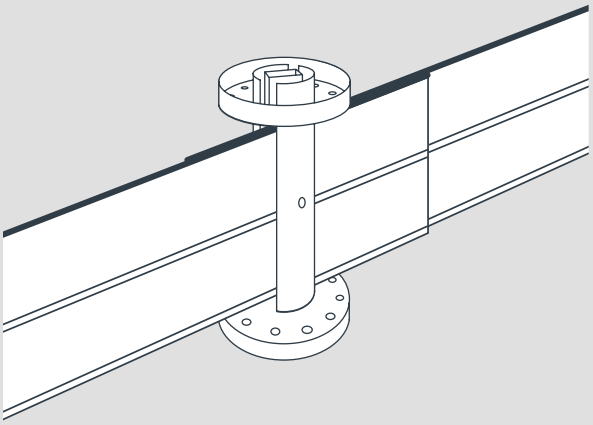
If too much Zappa rail is wrapped around core you will not be able to create sufficient tension. In this case you must release the tension cut off excess Zappa rail and re-tension.

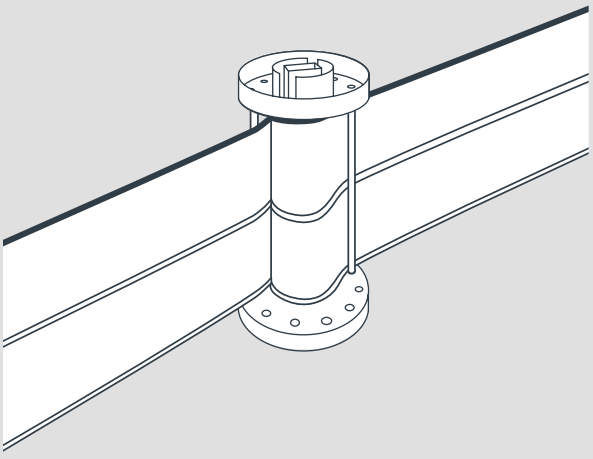
To release the tension you will need to tighten the Insulstrainer with a spanner and release the latch using a screwdriver.

What you will need:

Joining Zappa Rail using a Line Strainer





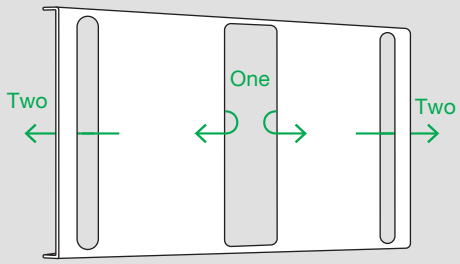


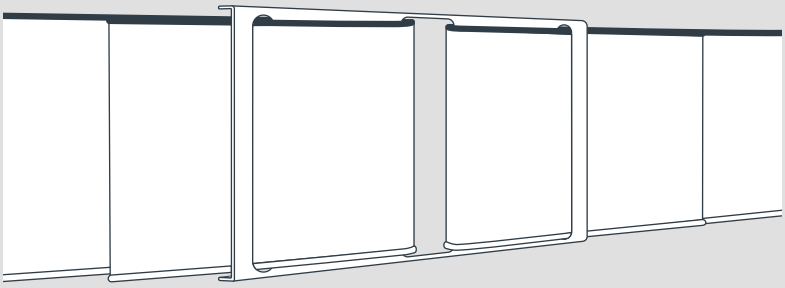
To join Zappa Rail using the line starainer, remove the rods then thread the two ends through the line stainer ensuring that it is overlapping at least 100mm.

Tension the Zappa Rail using two rachets (one on the top and one on the bottom), then insert rods to hold in place.

What you will need:

Joining Zappa Rail using a Joining Buckle





Slide the Zappa Rail in through the middle cut out and back though the smaller cut out on the same side.

Repeat for the other side.

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