

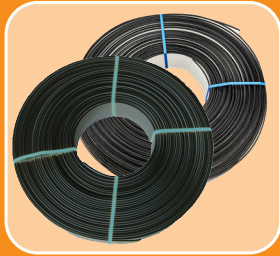
**WARATAH®**

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# FLEX RAIL™ ELECTRIC INSTALLATION GUIDE



# FLEX RAIL™ ELECTRIC PRODUCT RANGE



Flex Rail electric



Flex Rail electric  
In-Line side bracket



Flex Rail electric  
In-Line top bracket



Flex Rail electric  
joiner bracket



Flex Rail electric  
tension spool



Flex Rail Star & MaxY  
post cap

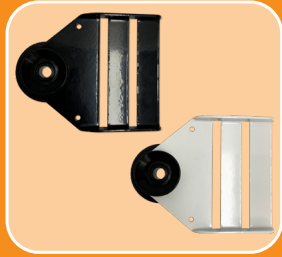


Poly Post - 225cm



Poly Star® post kit -  
140cm





Flex Rail electric end flat bracket



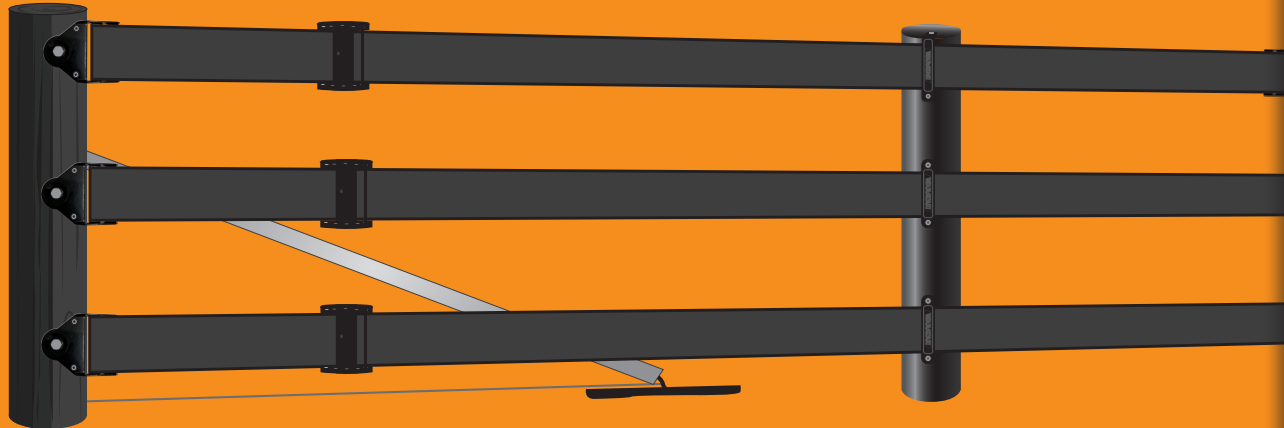
Flex Rail electric end angle bracket



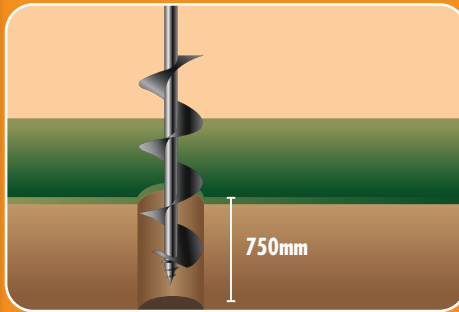
Flex Rail electric corner side bracket



Flex Rail electric corner top bracket



## INSTALLING THE IN-LINE POLY POSTS - 225cm



**1.**

Using a sighter wire, calculate and mark out the number of posts you require between your strainer assemblies.

Bore a hole for each post using a 100mm auger for the 120mm diameter Poly post. Minimum post depth is 750mm to ensure the post is stable.

**2.**

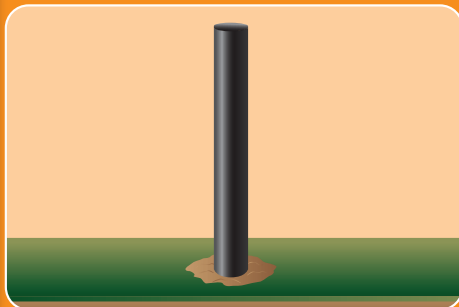
Remove the cap on the top of the post before using a post driver to install into the pre-bored hole.

Use a level to ensure the post is in-line and straight.



**3.**

Finish by fitting the supplied cap back on top of the post.



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### TOOLS REQUIRED:



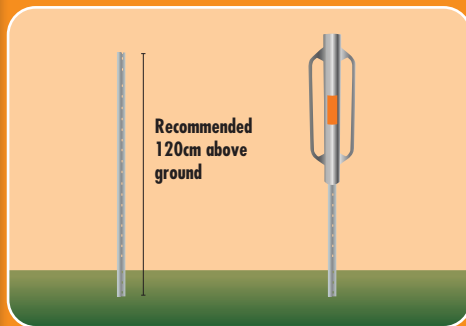
Auger  
(100mm)

Post driver



Level tool

## INSTALLING THE IN-LINE POLY STAR® POST KIT - 140cm

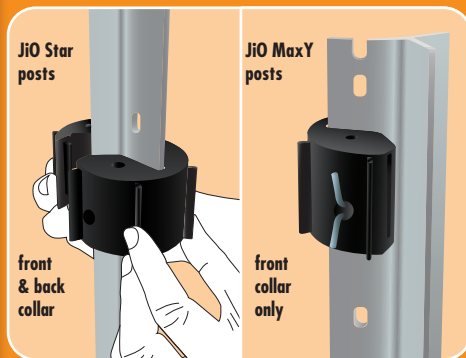


1.

Using a sighter wire, calculate and mark out the number of posts you require between your strainer assemblies.

Install your Star posts using a Star post driver. (Manual or Pneumatic)

Use a level to ensure the post is straight.



2.

Snap the two parts of the collar together around the top and bottom of each Star post. Secure in place by inserting the Longlife Blue® wire pin through the collar and JiO post hole.

**Note:** If using a JiO® MaxY® or Galstar® MaxY® post only clip the front part of the collar onto the top and bottom of the MaxY post. This is so that the 100mm Poly post can slide over the top.

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### TOOLS REQUIRED:



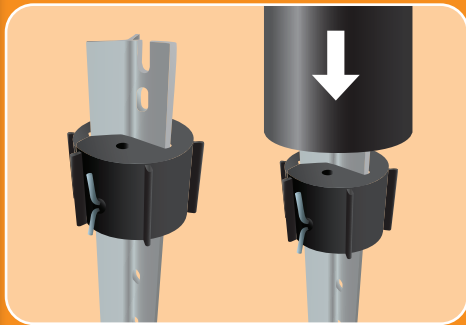
Post driver



Level tool

\*Star posts sold separately

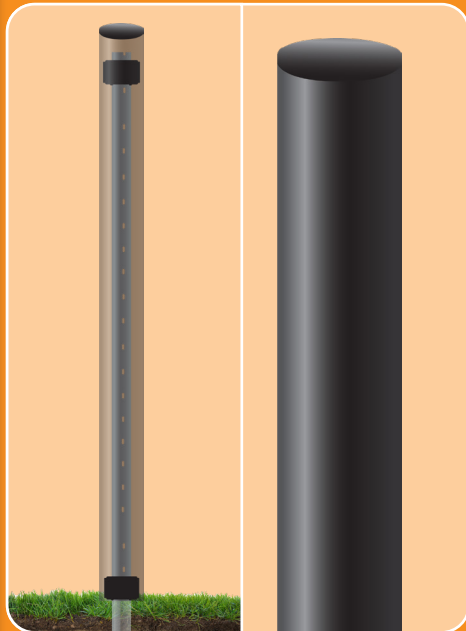
## INSTALLING THE IN-LINE POLY STAR® POST KIT - 140cm



**3.**

Slide the Poly post over the Star post & Collars.

Screw a tech screw through the poly post and into the plastic collar to ensure the Poly post does not lift.



**5.**

Finish by fitting the cap back on top of the post.



### TOOLS REQUIRED:



Drill



Timber Tek screw



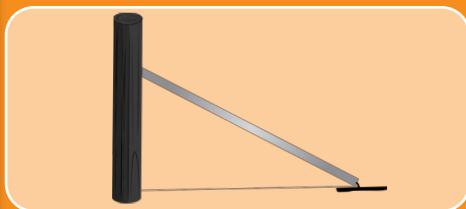
### TIPS:

To stop the Poly post from lifting you can screw a tek screw through the outside of the Poly post and into the plastic collar.

\*Star posts sold separately



## PREPARING THE STRAINER POSTS FOR FLEX RAIL™



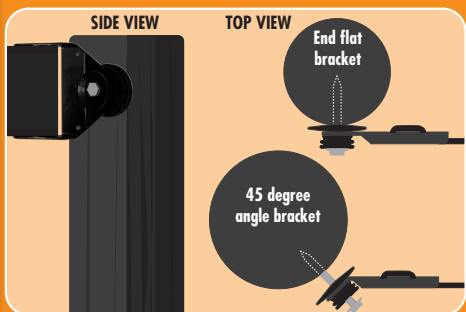
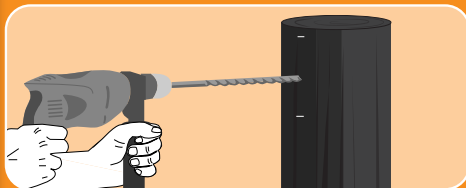
1.

Strainer posts can be installed by either augering a hole or by using a post driver. All strainers should be adequately braced using either a horizontal or diagonal stay.



2.

Mark on the strainer post where you want each end bracket to be installed and drill a 10mm pilot hole. Do **NOT** attach the end bracket to the post yet.



3.

For larger strainer posts, we recommend using the Flex Rail™ end angle bracket, this will ensure the rail sits in-line to the strainer post.

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### TOOLS REQUIRED:



Marking pen



Tape measure

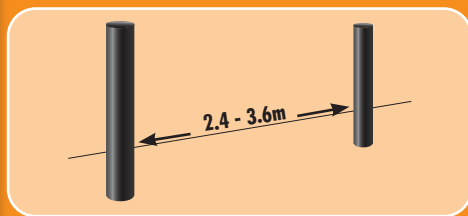


Drill



10mm drill bit

## PREPARING THE IN-LINE POSTS FOR FLEX RAIL™



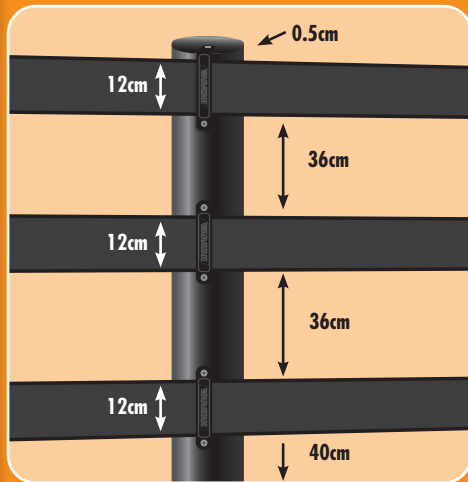
**1.**

Line posts can be installed by either augering a hole or by using a post driver. A spacing of 2.4 - 3.6m is recommended between line posts. Posts set closer together will provide a stronger fence and will minimise bowing of the Flex Rail™.



**2.**

Mark on your posts where you want the top of your fence to be. It is recommended a fence height of 130cm to 150cm be used in equine applications.



**3.**

Identify the Flex Rail placement suited to your chosen fence design.

**4.**

When marking out where each rail will sit on your line posts, ensure you take into account the height of the rail (12cm). To assist, we recommend using a tape measure or similar device.

The example provided shows a 3 rail fence design with a fence height of 150cm.

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### TOOLS REQUIRED:



Marking pen | Tape measure



Drill



## PREPARING THE IN-LINE POSTS FOR FLEX RAIL™



5.

Once all line posts are marked, using Tek screws provided, attach the in-line brackets to each post by screwing in the **TOP** hole only. Leave the bottom hole free so you can slide the Flex Rail™ into each bracket. Careful not to over tighten the brackets.



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### TOOLS REQUIRED:



Marking pen | Tape measure



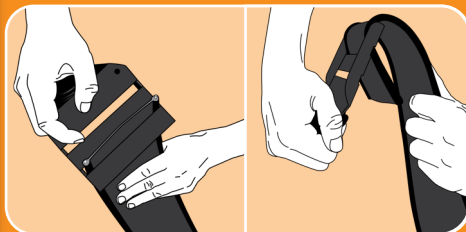
Drill



### TIPS:

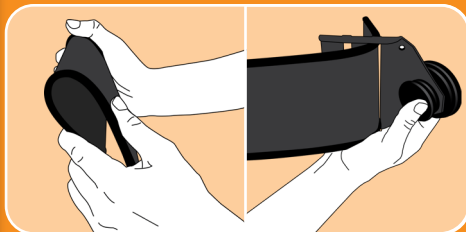
You may damage the brackets if the screws are overtightened.

## ATTACHING FLEX RAIL™ TO STRAINER POSTS



**1.**

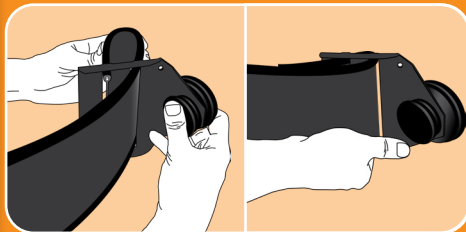
Using an end bracket, slide through one end of the Flex Rail and completely fold over leaving approximately 10cm of excess rail. Ensure you fold the rail away from the paddock.



**2.**

Remove bracket and finish bending using your hands.

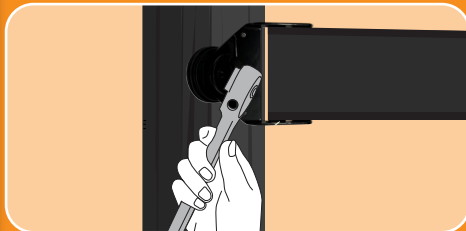
Slide the Flex Rail into the slot closest to the insulator on the end bracket.



**3.**

Slide the end bracket along the rail until you can easily bend over the excess rail and return it through the second slot on the end bracket.

**NOTE:** Once under tension the bulge of flex rail will reduce substantially.



**4.**

Once your end brackets and Flex Rail are joined, using M12 coach bolts and washers, attach to the strainer post using a ratchet spanner. Repeat steps above until end brackets and Flex Rail are joined and attached to the strainer post on one end of the fence line.

**NOTE:** for steel strainer posts, we recommend using M12 Rivnuts + M12 bolts

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### TOOLS REQUIRED:

#### Timber posts:



M12 coach Bolts  
100mm long



M12 washers to  
suit coach bolts

#### Steel posts:



M12 rivnuts



M12 bolt &  
washer



1/2 inch square drive ratchet



## ATTACHING FLEX RAIL™ TO IN-LINE POSTS



1.

At each line post, insert the Flex Rail into each corresponding in-line bracket by bowing the Flex Rail and carefully snapping the rail into place.



2.

Once Flex Rail is inserted, using Tek screws, attach the bottom of each in-line bracket to the line post. Repeat steps until all Flex Rail is securely attached to each line post.

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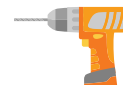
### TOOLS REQUIRED:



Marking pen



Tape measure



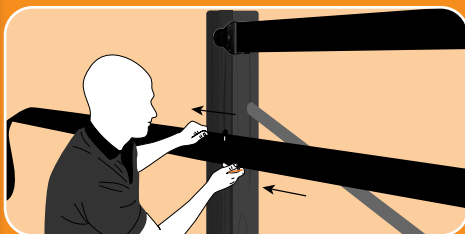
Drill



### TIPS:

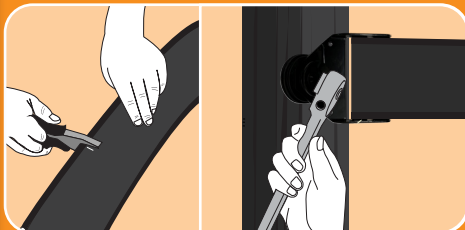
We recommend installing your Flex Rail on a warmer day as the heat will help with the waviness of the rail that is caused by the premium polymer thickness that makes the rail strong when tensioned.

## FINISHING AND STRAINING THE FLEX RAIL™



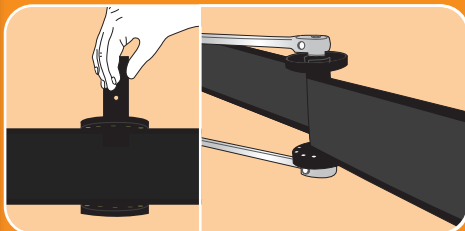
1.

Once attached to all line posts, pull the Flex Rail taut, removing as much slack as you can. Mark where the rail lines up against the pre-drilled pilot hole on the strainer post.



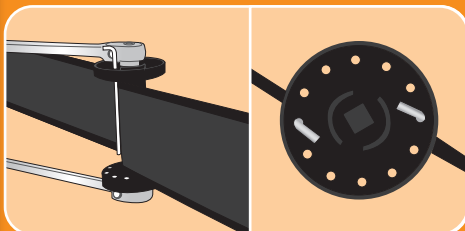
2.

Leave an additional 10cm after the marked point, then cut the flex rail and fold over. Prepare the rail for straining, using the same steps shown on page 4 **Attaching Flex Rail to strainer posts.**



3.

Using M12 coach bolts and washers, attach to the strainer post using a ratchet spanner. Repeat steps above until all end brackets and Flex Rail are joined and attached to the strainer post.



4.

Install the Flex Rail tension spool by placing the spool on the fence line by sliding the removable hub piece into place.

Once tensioned using 2 ratchets place locking pins into pre-drilled holes, opposite each other, to stop the tension spool from unwinding.

Note: pins are the same colour as your tension spool (black or white). The diagram had been highlighted to show where the pins are installed.

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## TOOLS REQUIRED:

### Timber posts:



M12 coach Bolts  
100mm long



M12 washers to  
suit coach bolts

### Steel posts:



M12 rivnuts



M12 bolt &  
washer




Marking pen



Tape measure

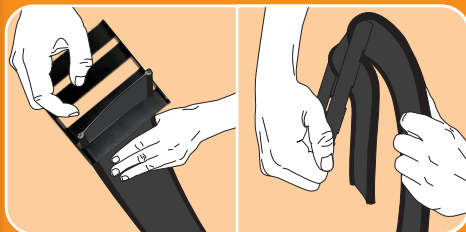


Cutters



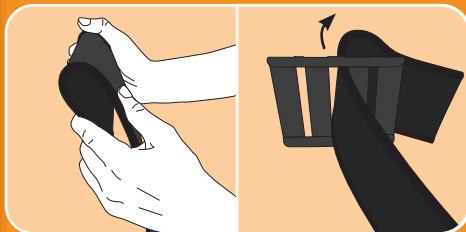
1/2 inch  
square drive  
ratchet x 2

## JOINING FLEX RAIL™



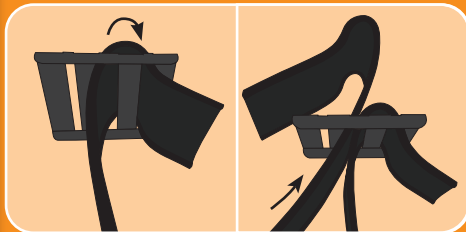
**1.**

Using the joiner bracket, slide through the end of the Flex Rail and completely fold over leaving approximately 10cm of excess rail. Ensure you fold the rail away from the paddock.



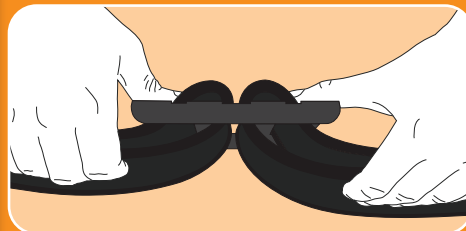
**2.**

Remove bracket and finish bending using your hands.



**3.**

With the inside of the Joiner bracket facing you, insert both ends of the pre-bent rail through the middle slot (see images). Note: Make sure the Joiner bracket is facing the right direction.



**4.**

Bend over the excess rail and insert each end through the appropriate outside slots. Pull both rails down through the slots as much as possible. (This will make it as "flat" as possible)

NOTE: Once under tension the bulge of flex rail will reduce substantially.

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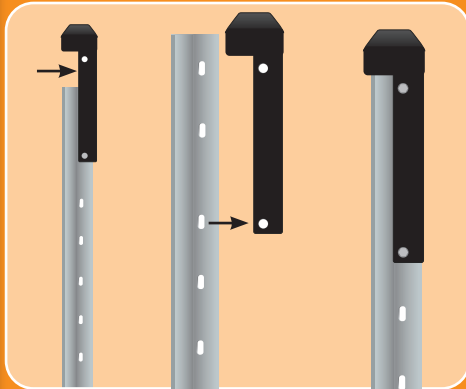
## TOOLS REQUIRED:



Hands only



## FLEX RAIL™ STAR & MAXY POST CAPS

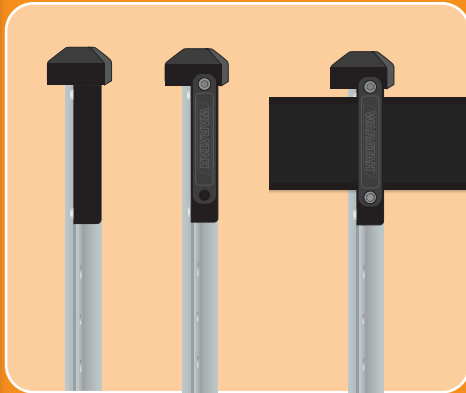


1.

Slide the Flex Rail star post cap over your JiO® Star® / MaxY® post.

2.

Align the holes on the Flex Rail post cap to the top holes on the steel post and attach using the nuts and bolts provided.



3.

Once installed, attach the in-line side bracket to the Flex Rail Post Cap using a metal Tek Screw, minimum length 25mm. Screw in the **TOP** hole only.

Once Flex Rail is fitted in each bracket, securely screw the bottom of each bracket to the Flex Rail post cap.



### TOOLS REQUIRED:



Drill

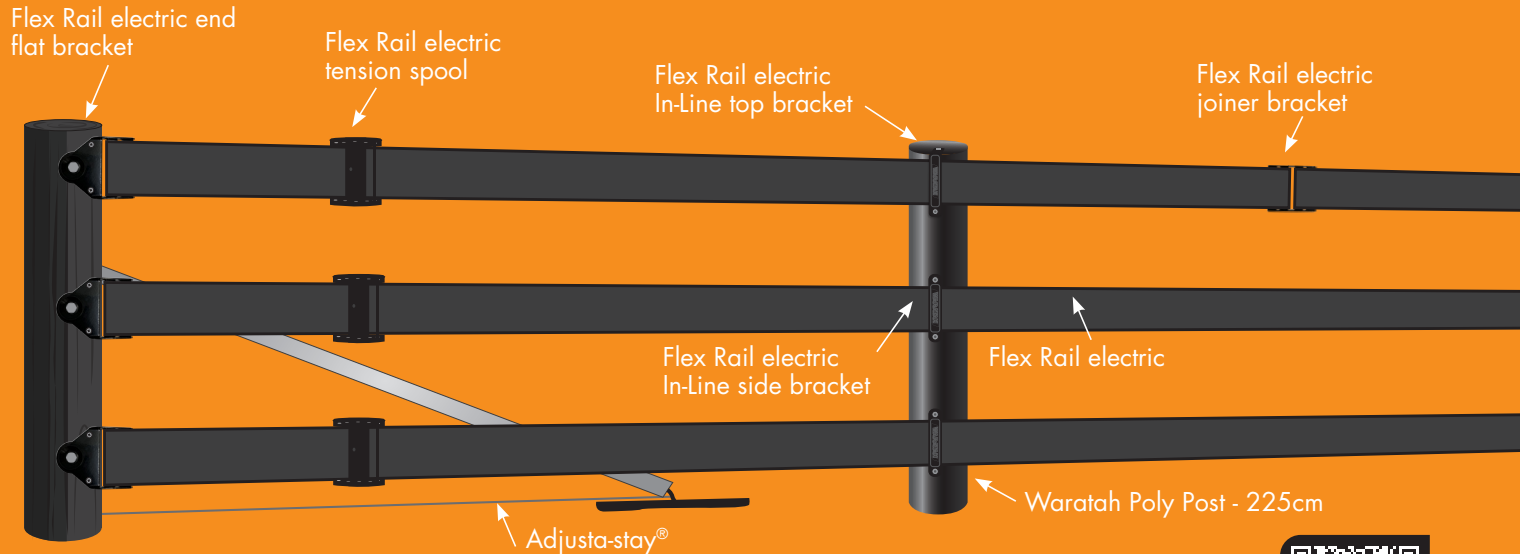


25mm Self drilling metal Tek screw for Flex Rail electric In-line side bracket

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Waratah's Flex Rail™ electric system closely resembles traditional timber rail fencing whilst giving you the versatility in electrified fencing. Offering an effective solution for containing horses, safely, and without sacrificing appearance. Backed by Waratah Guarantee, you can be sure it's made for Australian conditions.



SCAN TO CHECK OUT THE FULL RANGE OF WARATAH'S HORSE FENCING PRODUCTS



**WARATAH CUSTOMER SERVICE**  
**13 10 80** [www.waratahfencing.com.au](http://www.waratahfencing.com.au)

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