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FLEX RAIL™ ELECTRIC INSTALLATION GUIDE

AUSTRALIAN MADE®

FLEX RAIL™ ELECTRIC PRODUCT RANGE

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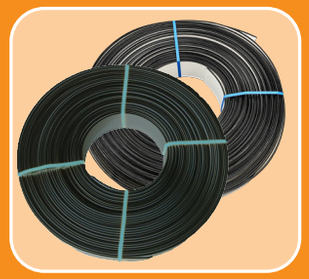


Flex Rail Electric

Flex Rail Electric
In-Line side bracket

Flex Rail Electric
In-Line top bracket

Flex Rail Electric
corner side bracket

Flex Rail Electric
corner top bracket

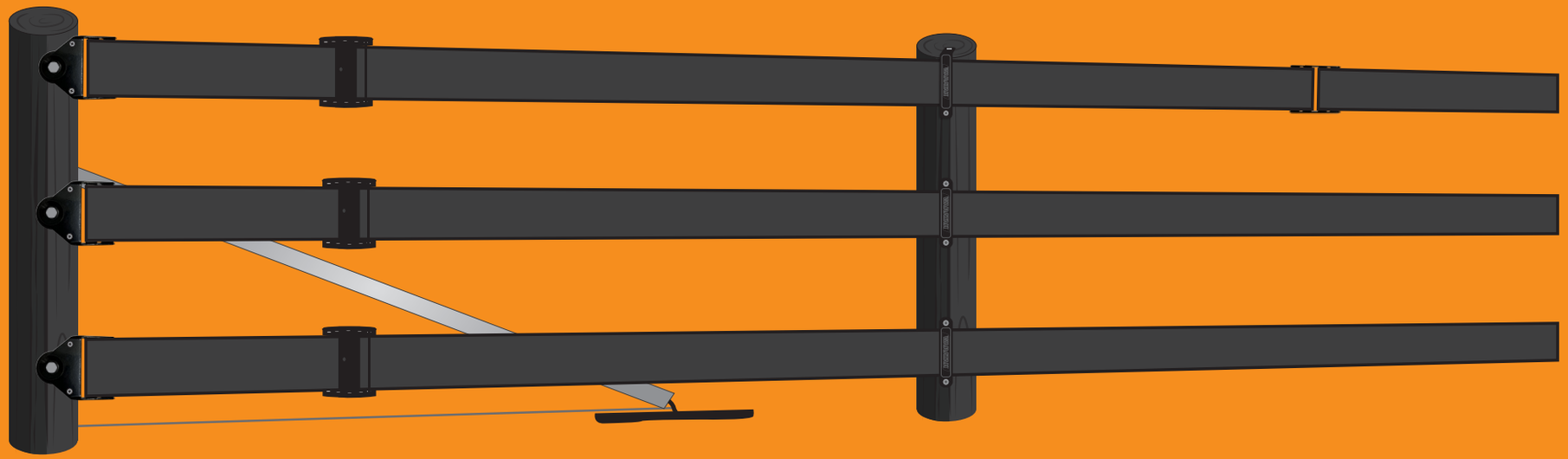
Flex Rail Electric end
flat bracket

Flex Rail Electric end
angle bracket

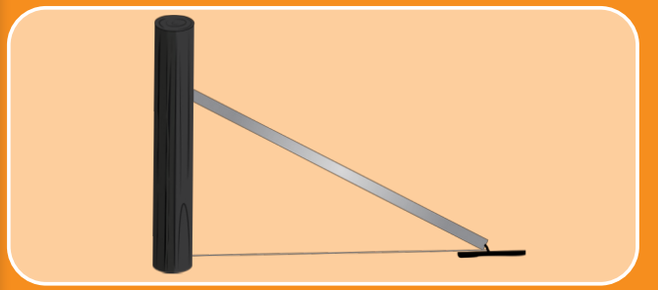
Flex Rail Electric
joiner bracket

Flex Rail Electric
tension spool

Flex Rail Star® &
MaxY® post cap



PREPARING THE STRAINER POSTS

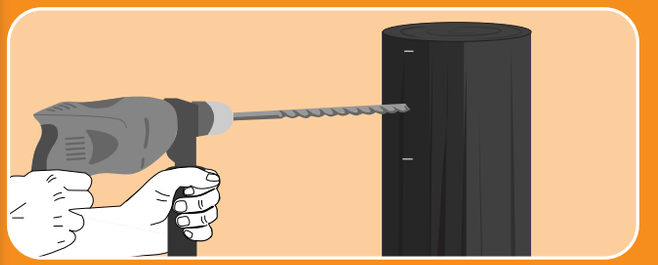


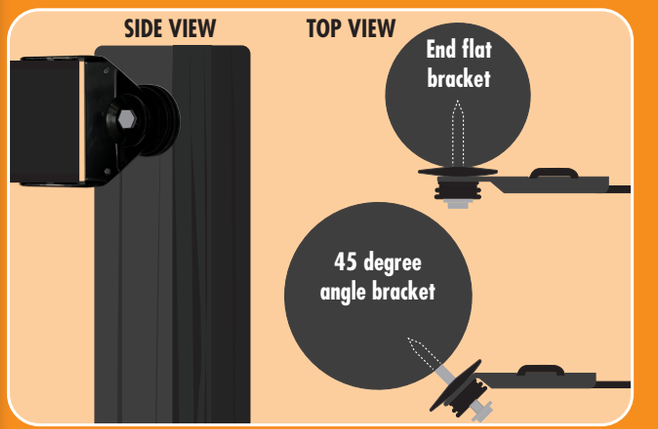
1.

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:

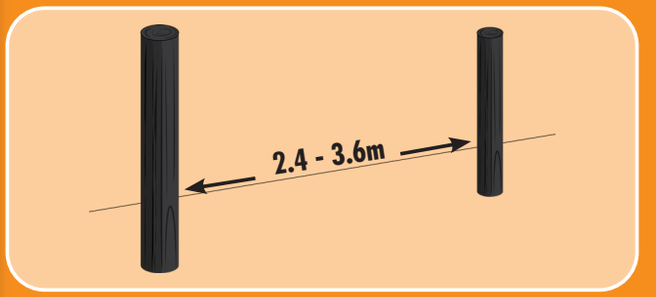
Marking pen

Tape measure

Drill

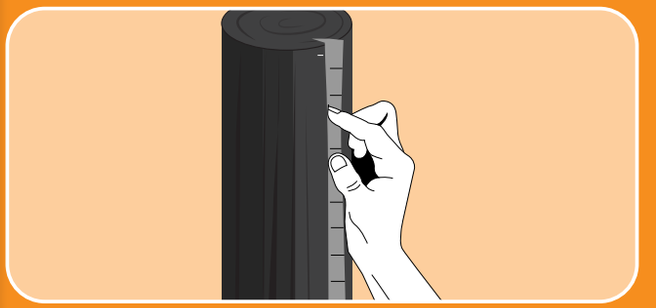
10mm drill bit

PREPARING THE IN-LINE POSTS



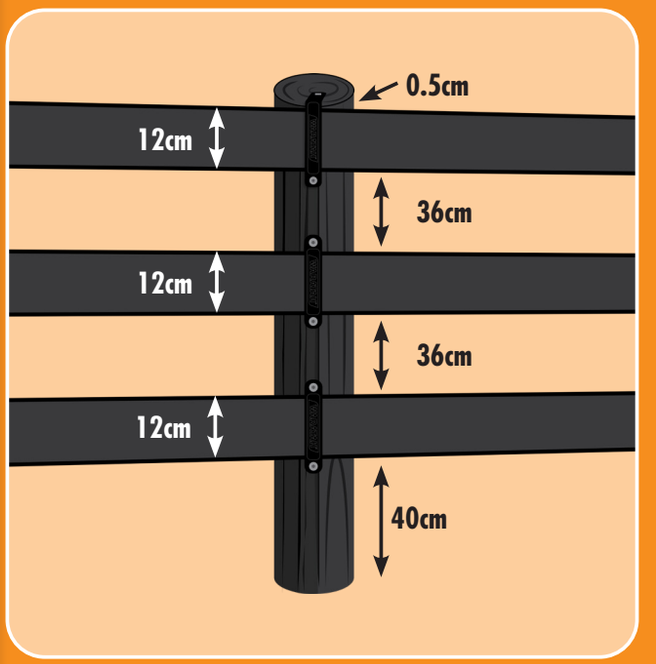
1.

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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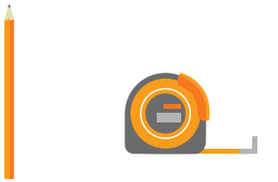
TOOLS REQUIRED:



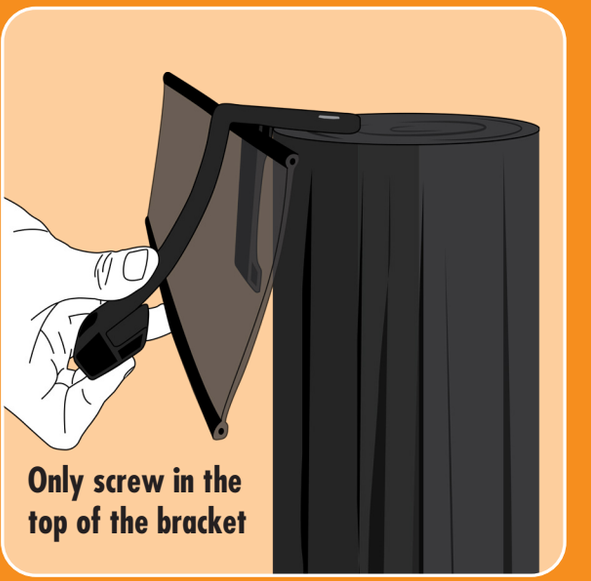
Marking pen | Tape measure

Drill

PREPARING THE IN-LINE POSTS

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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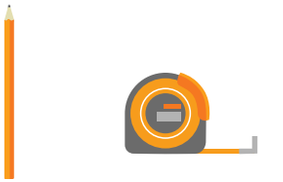
TOOLS REQUIRED:



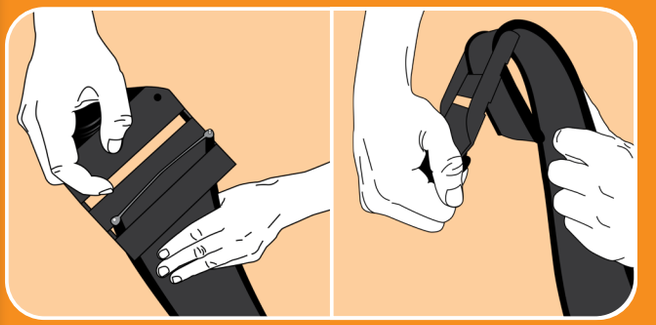
Marking pen | Tape measure

Drill

TIPS:

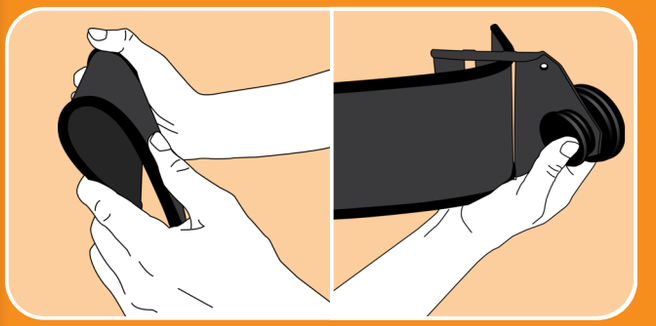
You may damage the brackets if the screws are overtightened.

ATTACHING FLEX RAIL™ TO STRAINER POSTS



1.

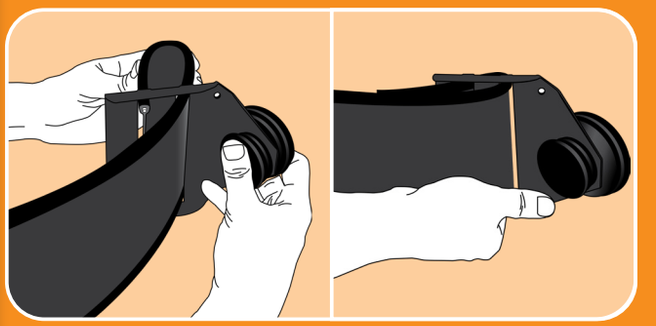
Using an end bracket, slide through one end of the Flex Rail and completely fold over leaving approximately 10cm of excess rail. Ensure you fold the rail away from the paddock.



2.

Remove bracket and finish bending using your hands.

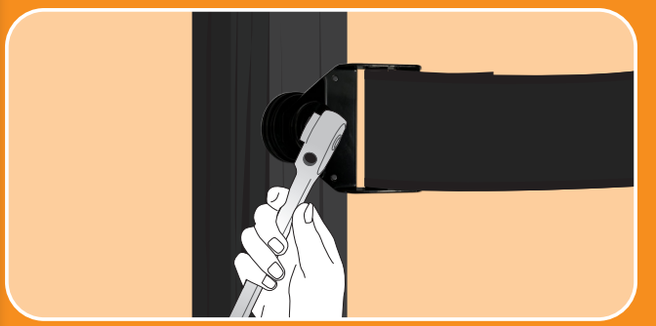
Slide the Flex Rail into the slot closest to the insulator on the end bracket.



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

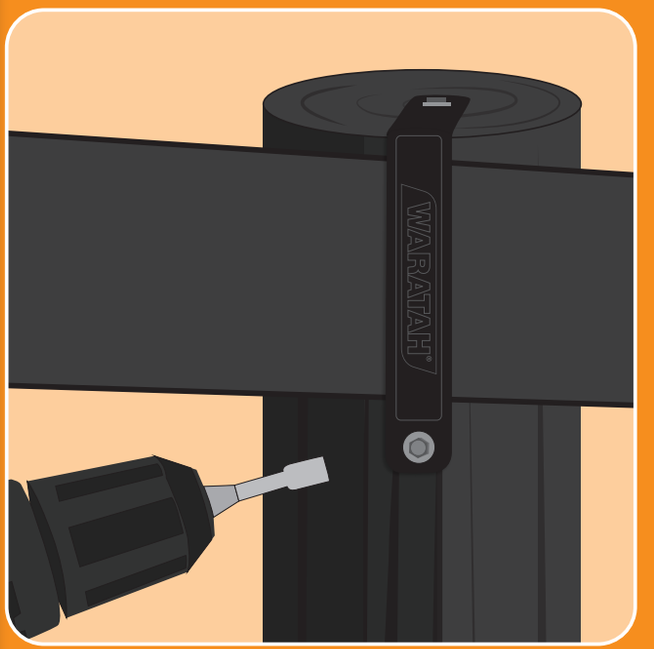
M12 bolt & washer

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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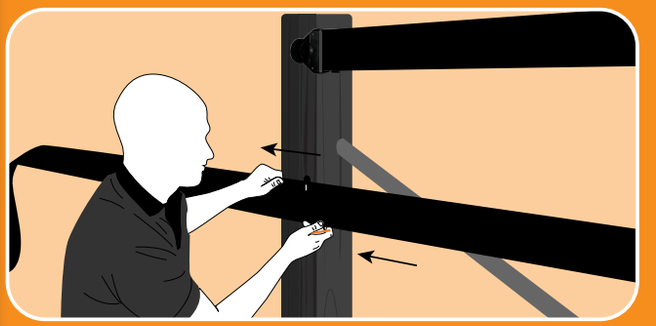
TOOLS REQUIRED:

Marking pen

Tape measure

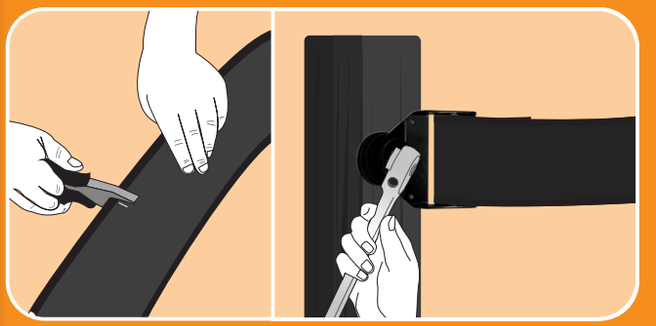
Drill

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.



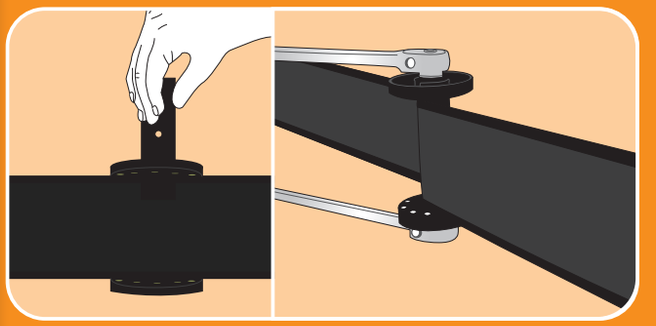
2.

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.

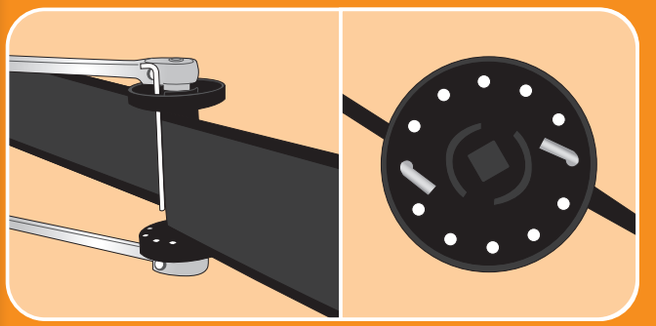
Using M12 coach bolts and washers, attach to the strainer post using a ratchet spanner. Repeat steps above until all end brackets and Flex Rail are joined and attached to the strainer post.

NOTE: For steel strainer posts, we recommend using M12 Rivnuts + M12 bolts.



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:

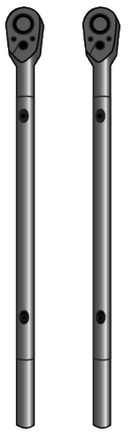
M12 rivnuts

M12 bolt & washer

Marking pen

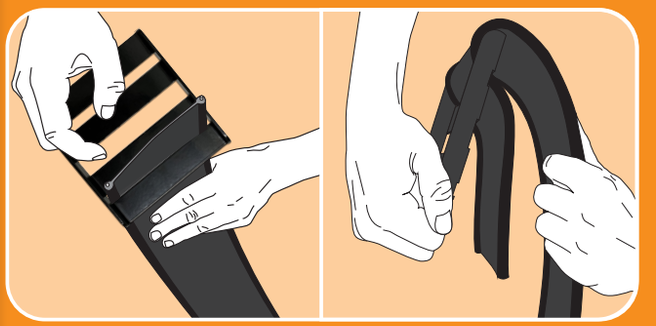
Tape measure

Cutters



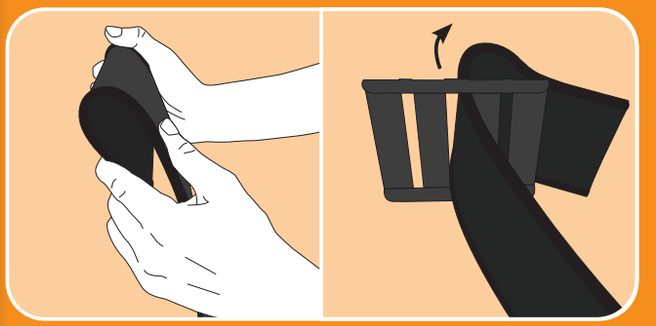
1/2 inch square drive ratchet x 2

JOINING FLEX RAIL™



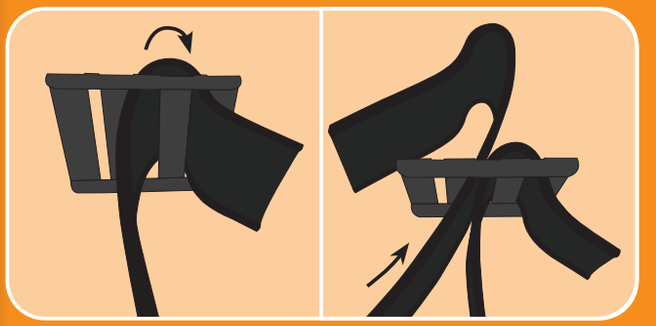
1.

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.



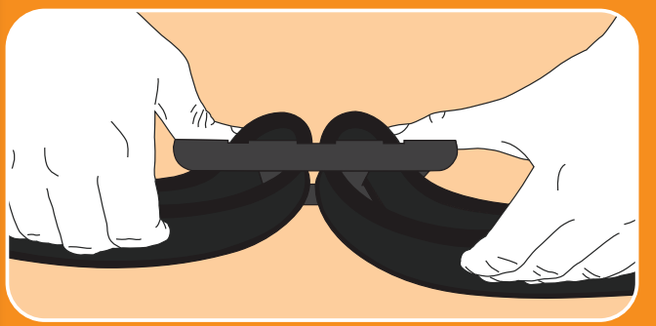
2.

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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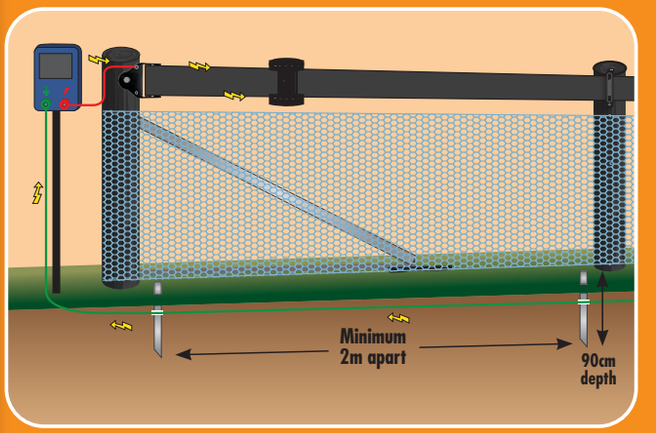
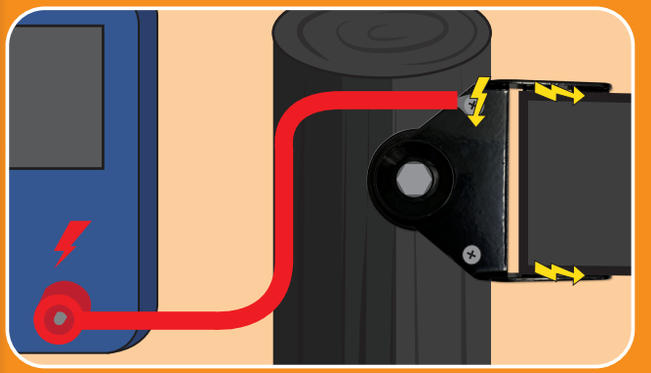
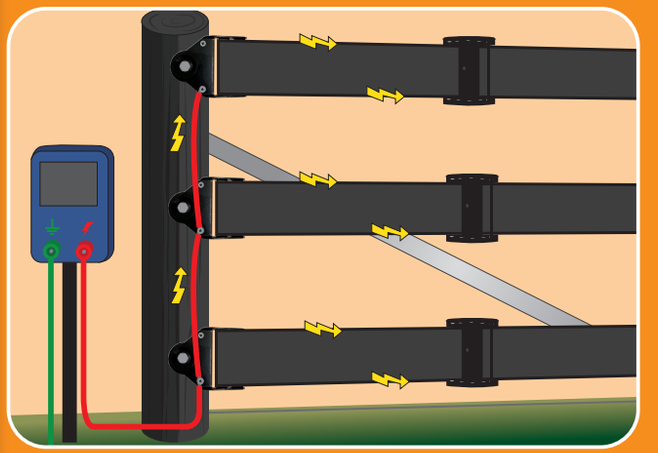
TOOLS REQUIRED:

Hands only

ELECTRIFYING FLEX RAIL™







1.

Ensure earth stakes are installed in the ground along the fence line, minimum 2m apart (90cm depth). We recommend at least 3 earth stakes be used in equine applications.

2.

Connect the "Earth" terminal of the electric fence energiser to the ground stakes using insulated electric cable.

3.

Connect the "fence" terminal of the electric fence energiser to the metal end bracket using the screws provided. The metal end bracket will conduct and transfer electric current to the Flex Rail (there is no need to cut the Flex Rail.)

4.

In a single rail fence design, connect the "fence" terminal of the energiser directly to the metal end bracket.

In a multi rail fence design, connect the "fence" terminal of the energiser to the end brackets using insulated electric wire. Carefully strip the insulated wire at each end-bracket connection point and attach using the screws provided.

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TOOLS REQUIRED:

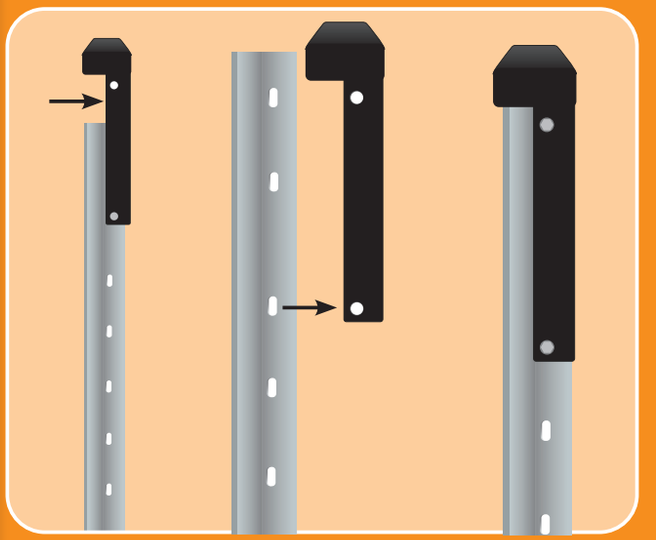
Energiser

Earth stakes

Cutters

Insulated cable

FLEX RAIL™ STAR & MAXY POST CAPS

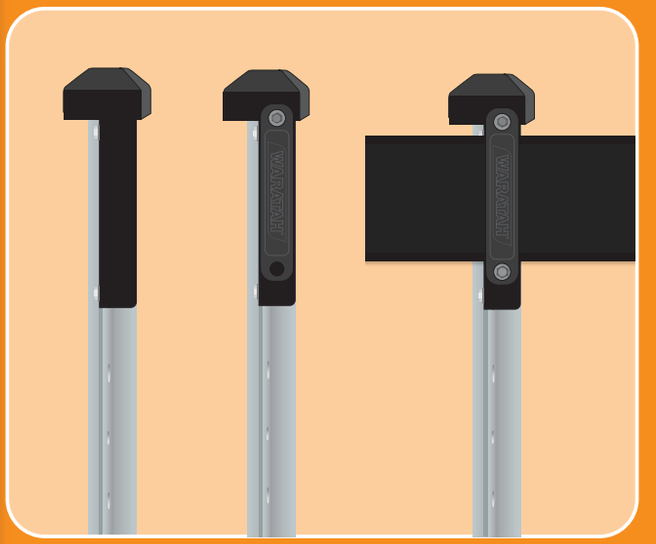


1.

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.

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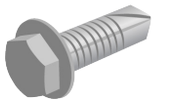
TOOLS REQUIRED:

Drill



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

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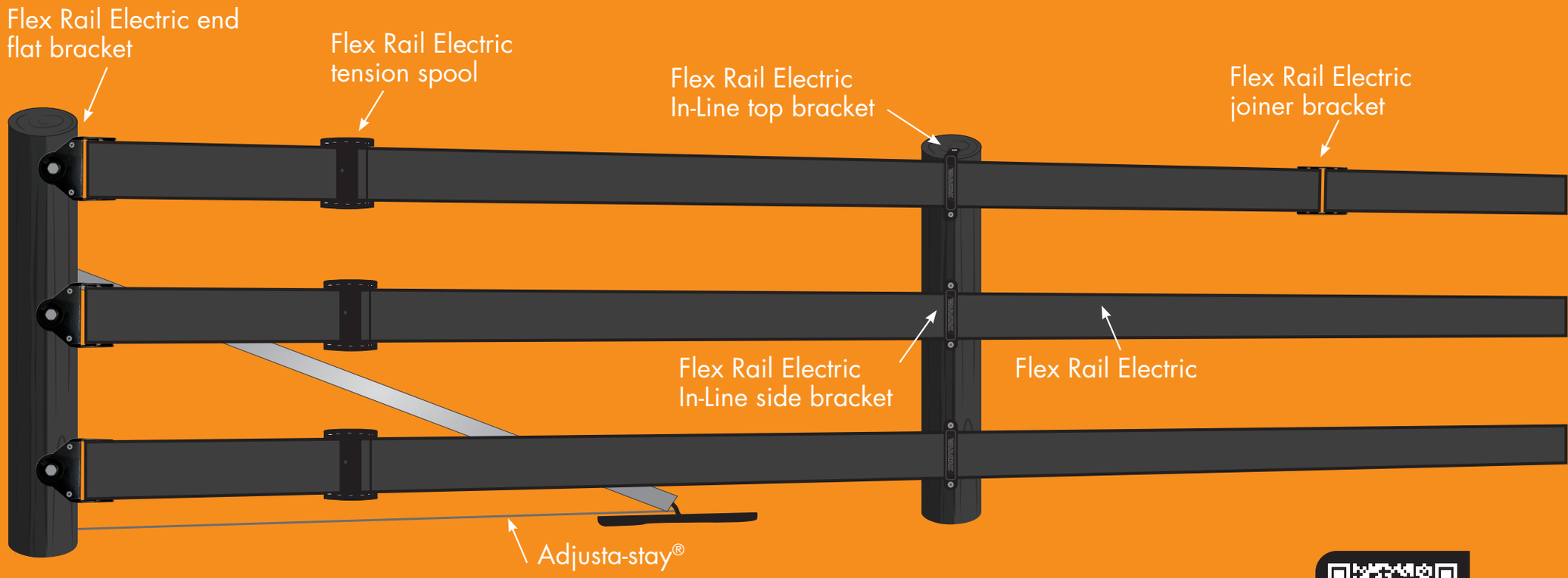
Waratah's Flex Rail™ Electric system closely resembles traditional timber rail fencing whilst giving you the versatility in electrified fencing. Offering an effective solution for containing horses, safely, and without sacrificing appearance. Backed by Waratah Guarantee, you can be sure it's made for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



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

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