

Introduction

Eva-Last identified a need for a fencing system that not only looked good, but was functional, easy to install (even to the most unadventurous builder) and would fulfill the requirements for a low maintenance, environmentally friendly product that would last our customers years to come.

It was evident to us that, while we could meet those requirements with our composite materials, we would need to overcome some of the inherent weaknesses of a product that we have spent so many years perfecting and develop a holistic system of parts that worked perfectly together.

After extensive research Eva-Last developed a coated aluminium structure to marry with a lightweight and robust fence board made from our composite material. Both components well-suited in their ability to withstand the ravages that extended durations in a harsh environment can result in.

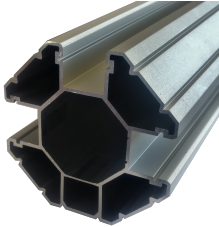
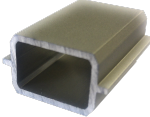
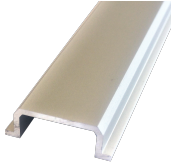
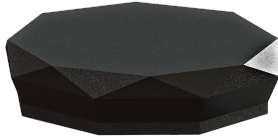


Having reached this stage, we decided to take it a step further. We had developed the underlying materials to be robust. Now how could the design of a fence system be improved to not only fulfill the basic requirements of a fence but to also be versatile in design and installation. (talk about flexibility and ease with which to accommodate varying terrain, direction, aesthetics, wind, ground/mount installation).

A Fence system held together with nothing more than a couple of screws and gravity.



Post Assembly Parts

Several parts are required to complete your Evolver Fence system. They can either be purchased separately or in a full kit in accordance with our packaged solutions.

Evolver Post	Rail Support Slider	Post Cover slider
 <p data-bbox="261 1430 532 1465">90x90mmx1800mm</p>	 <p data-bbox="683 1430 914 1465">25x14mmx30mm</p>	 <p data-bbox="1081 1419 1349 1455">25x14mmx1800mm</p>
Post Cap	Specialist fastener	Post Mounts
		

Post Installation

The Evolver post is dynamic in its ease of installation, been able to adapt to its surroundings. Whether you have an existing surface you wish to install on, perhaps in a parking or pavement, or a brand new home without any existing fencing or boundaries,

Existing Foundation



No foundation



300mm Post mount



600mm Embedded Post mount



STEP 1.

Mount your post (it is important to ensure that it is plumb/at 90 degrees)

If there is an existing foundation, anchor bolts(M8 size) may be used (please ensure that they meet local ordinances/building codes)

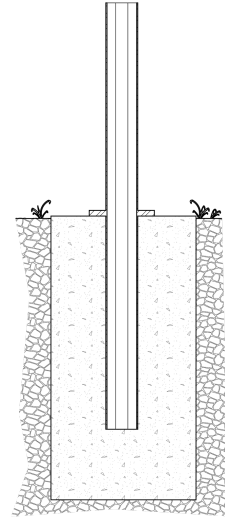
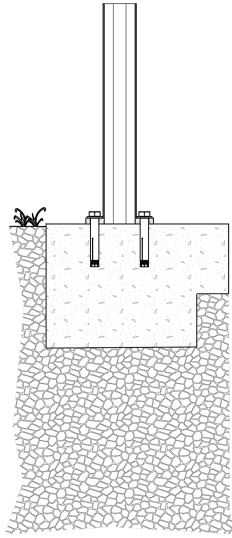
Check that the existing foundation is level.
Check that there are no signs of crumbling or cracking that may later cause problems.

If there is no foundation, a whole may be dug, and a foot poured (to local ordinance/building codes)but larger than 250mm. Should the area be particularly windy, a larger foot may need to be poured.

Please remember that some boundary lines may have service lines, electric and



sewerage lines, that may run across them. You may wish to check that you are not digging into them.

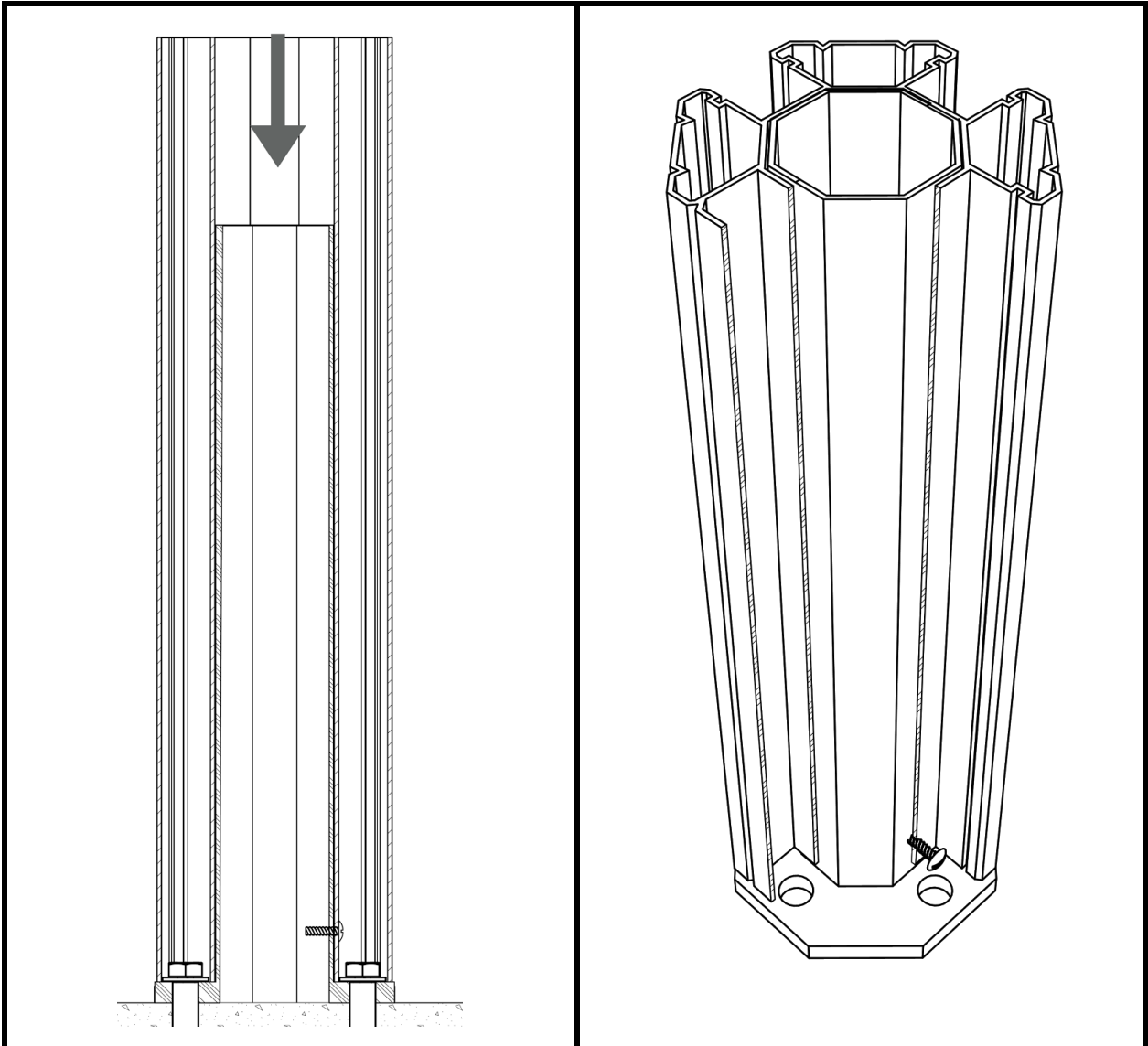


STEP 2.1

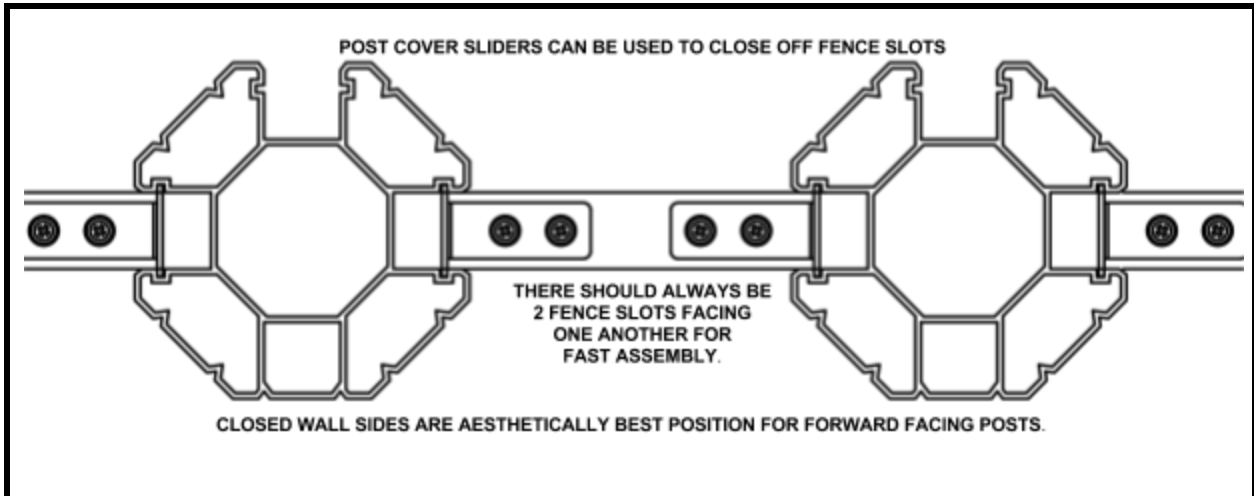
Slide your post over the mount.

STEP 2.2.

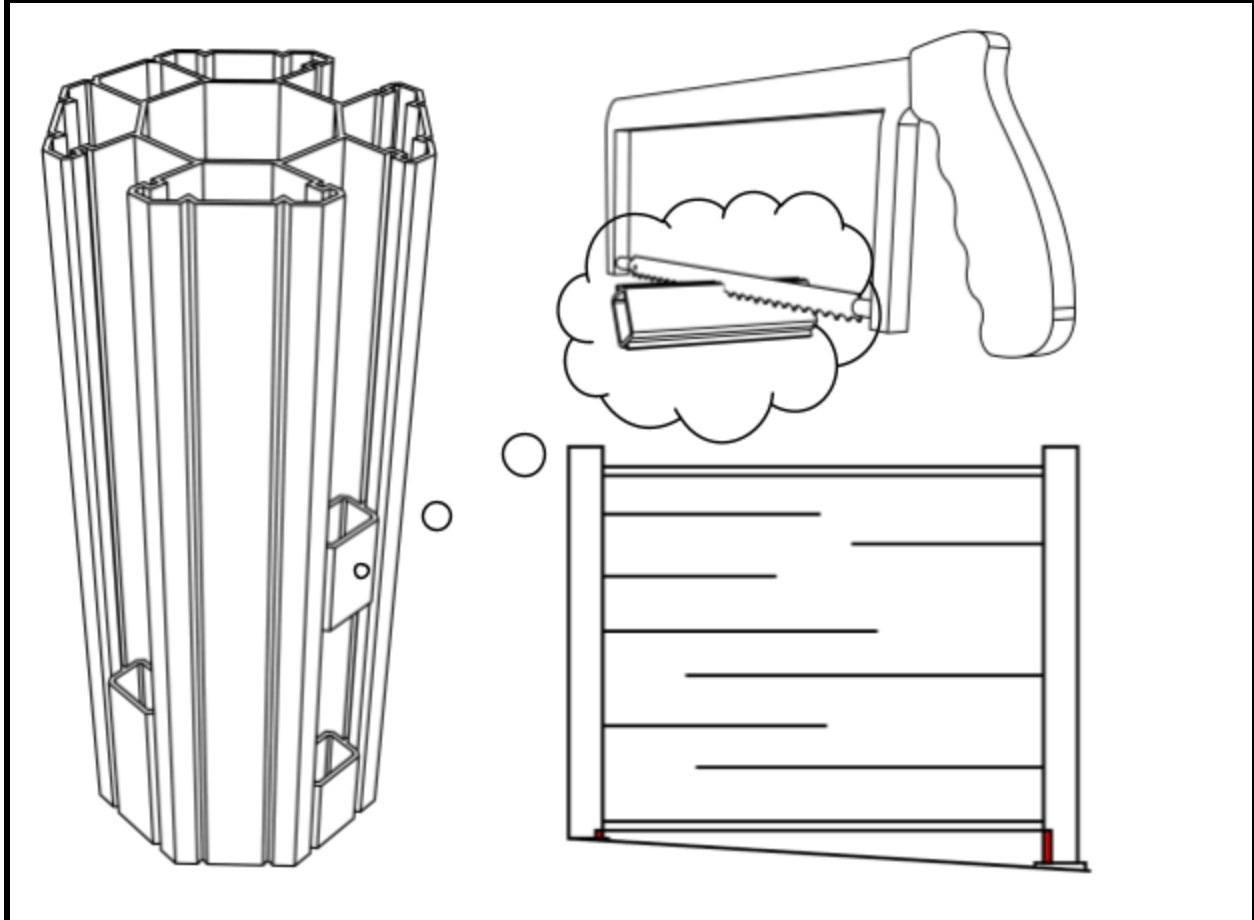
Use a screw to fasten your post to your mount.



When slotting the post over the post mount. Make certain that your rail slots are facing in the correct direction for your fence boards.



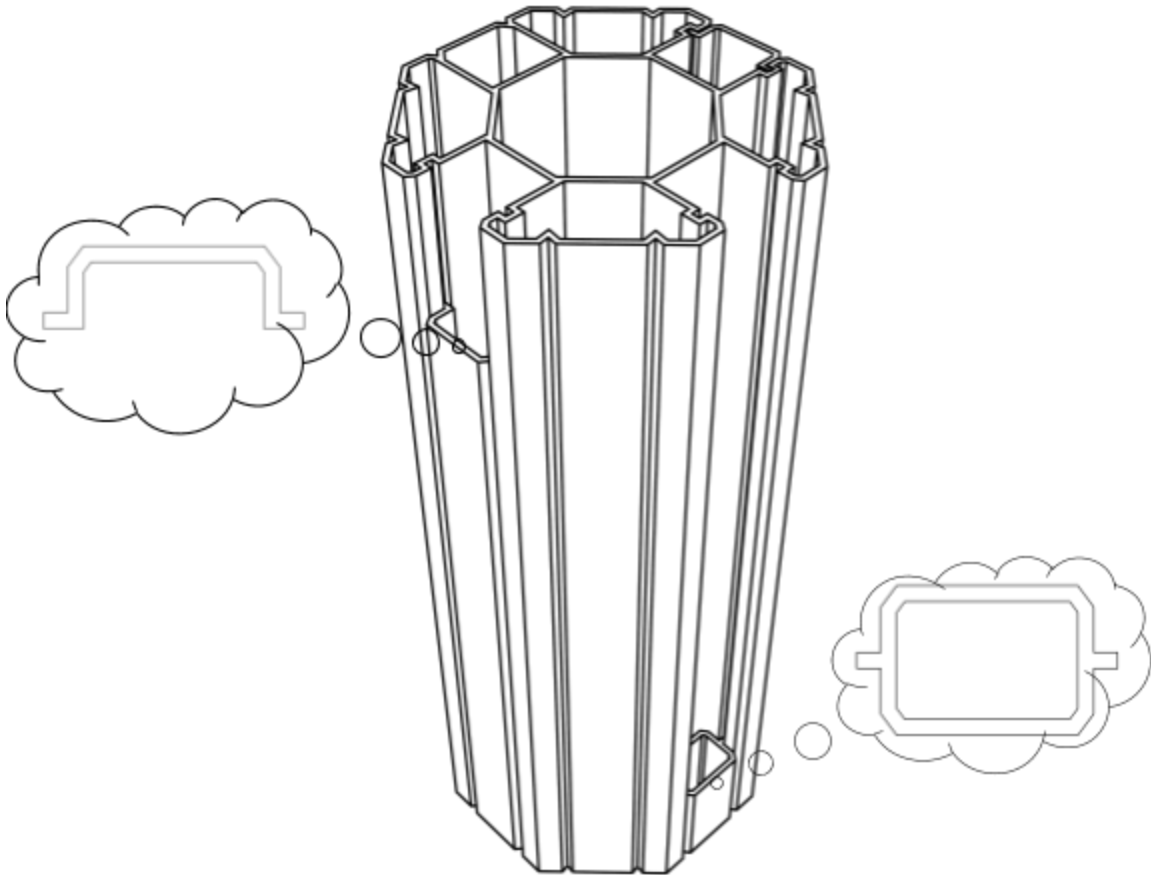
STEP 3.
Slide rail supports into place.



Rail supports are supplied in several lengths, that can be cut to size to accommodate the changing levels in your terrain, and can even be stacked on top of each other. No other fastening is needed for these, as the weight of the boards will hold them in place

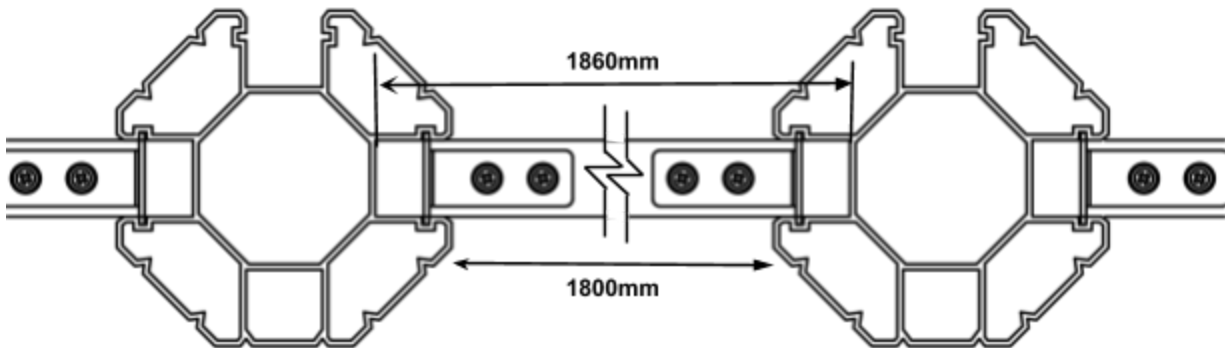
STEP 4

Slide post covers into place where fence boards are not needed



STEP 5

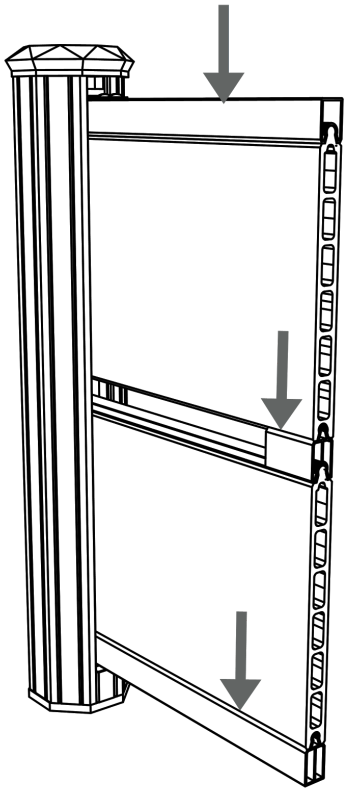

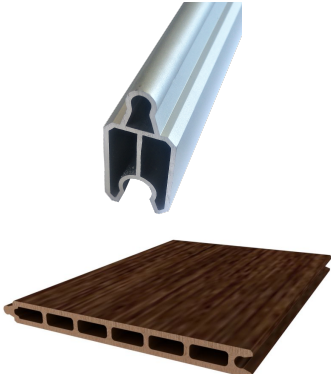


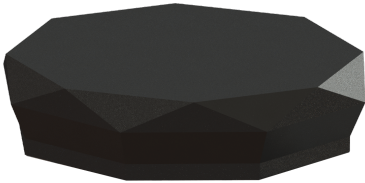
Fence rails and boards are **1860mm** in length in order to accommodate the slot depth. Make absolutely certain that you do not exceed **1860mm c/c** between posts.



Rail and fence board assembly

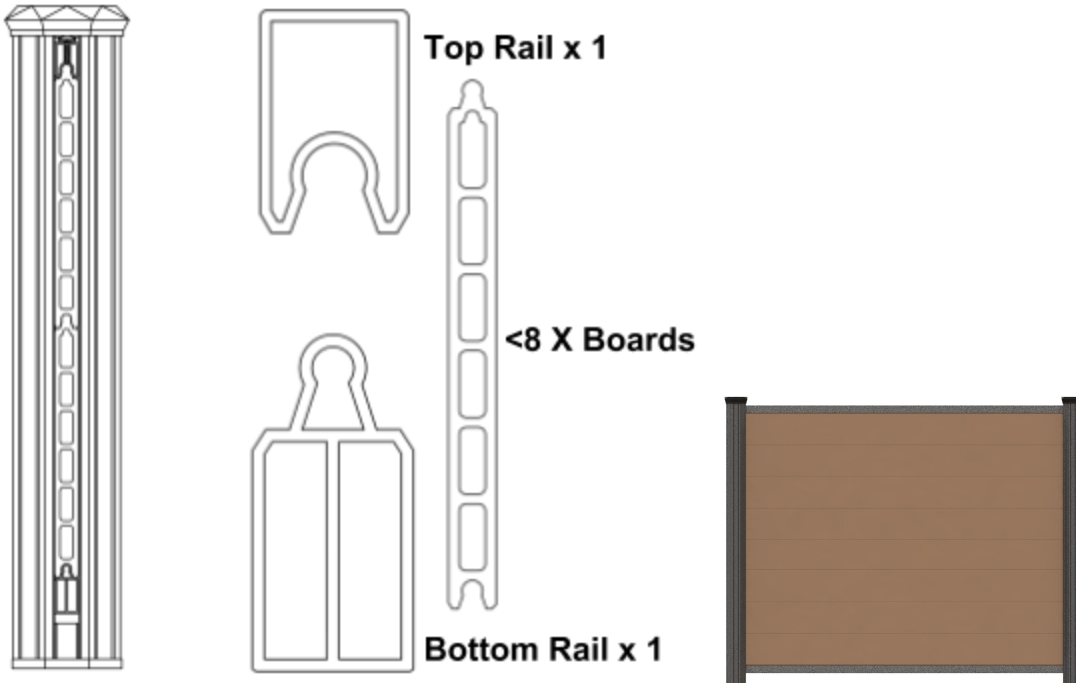
There are so many colour and types of fence board options available in our Evolver range, that all work well with our locking rails. Once you've made your choice, all parts just slip together easily.

Bottom Rail	Top Rail	Intermediate Rail
 <p>30x20mmx 1800mm</p>	 <p>30x20mmx1800mm</p>	 <p>30x20mm</p>
Specialist fastener	Aluminium Rail Bracket	Fence Board
 <p>4*19mm</p>		 <p>220(210) x 17mm</p>
Post Cap		
		

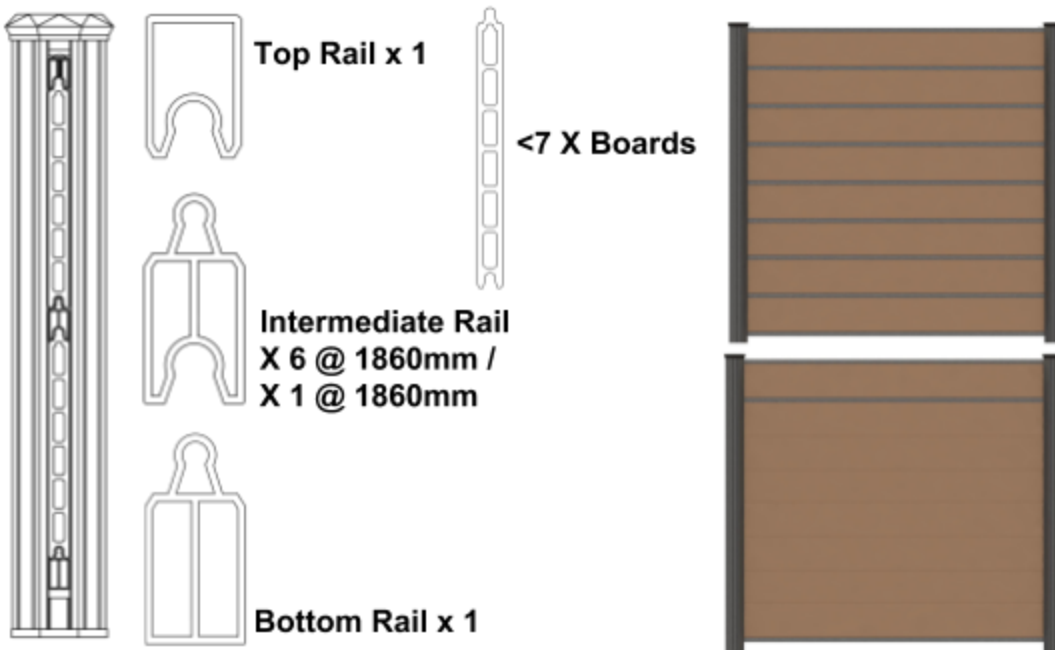
RAIL AND BOARD INSTALLATION		
	<p>Step 1: Slide down bottom rail</p>	
	<p>Step 2: Slide Boards and/or intermediate rail one after the other.</p> <p>Use a rubber/wooden mallet to gently knock boards down if necessary.</p> <p>*if you do use a mallet, try to hit as straight down as possible. Perpendicularly to the board. To avoid damaging the tongue of the board.</p>	
	<p>Step 3 Slide over Top Rail</p>	
	<p>Step 4 Slide Rail bracket into place. And fasten.</p>	
	<p>Step 5 Slide post cap into place.</p> <p>Knock with mallet if necessary.</p>	



Standard assembly of Privacy Fence

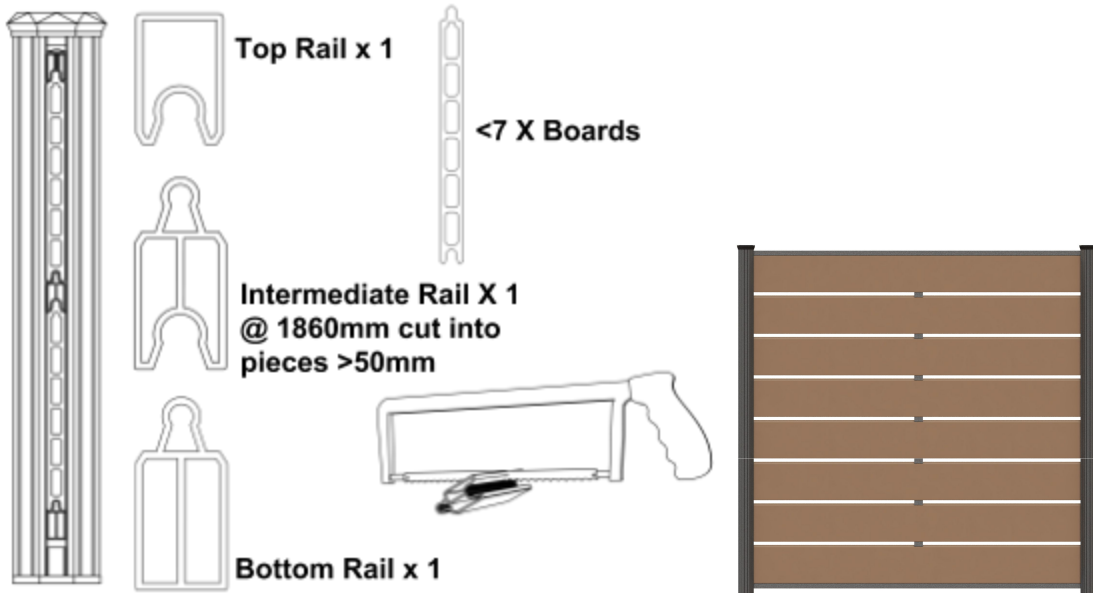


Standard assembly of Reinforced Privacy Fence





Standard assembly of Semi-Privacy Fence



45 Degree conversion assembly

One of the many things that make the Evolver post so unique, is the fact that you can change angles, not just at 90 degrees, but at 45 degrees.

Only one additional part is necessary to make this conversion possible.

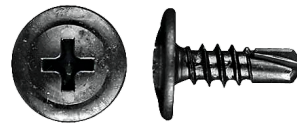
The converter bracket, is easily fastened into place using our specially designed screws, and is easily positioned by the guides build into our system. Allowing you to build fences at 8 different angles.

45 degree converter

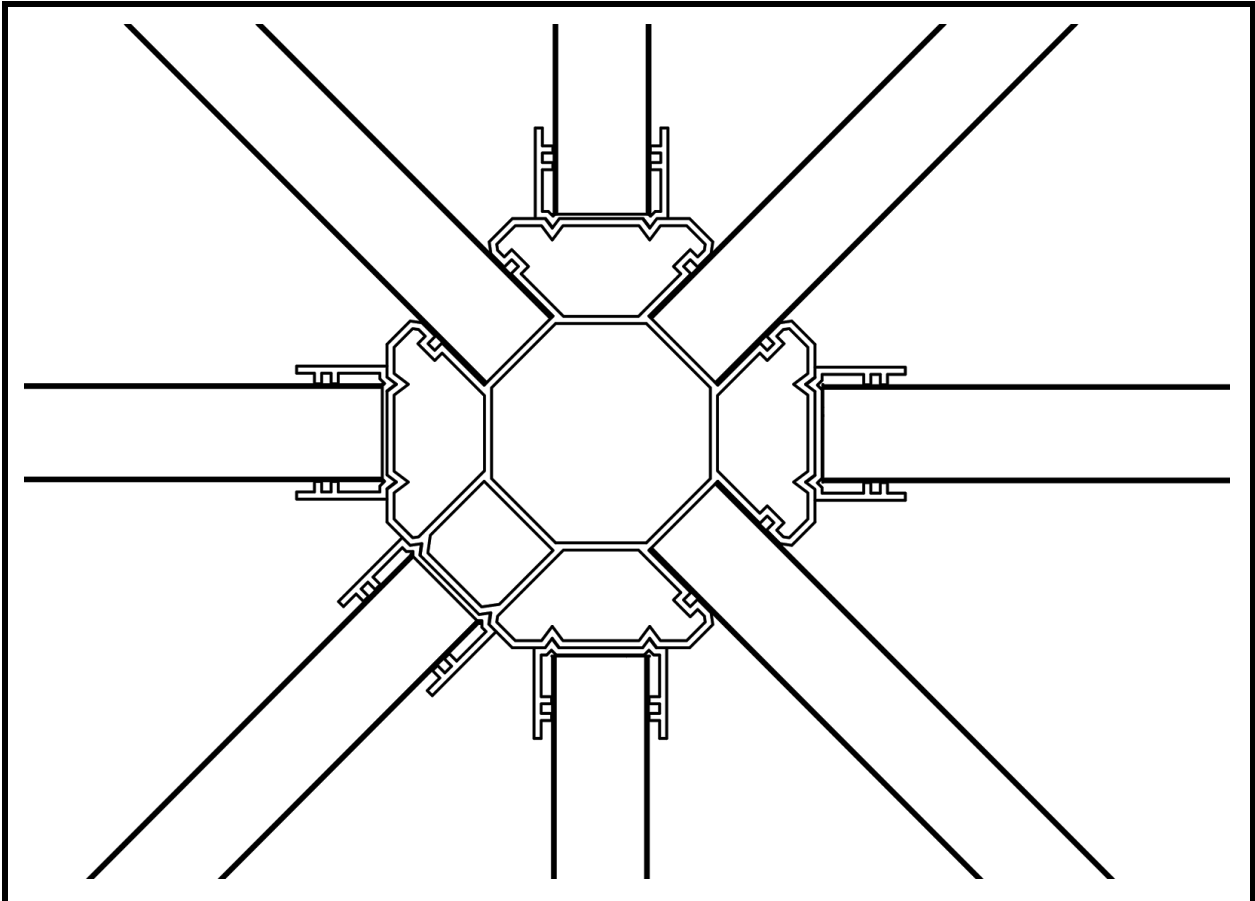


25x20mmx 1800mm

Specialist fastener

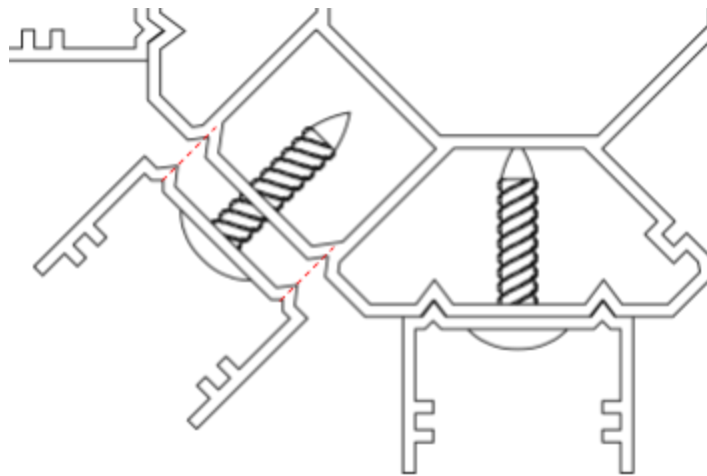


4*19mm



Step 1.

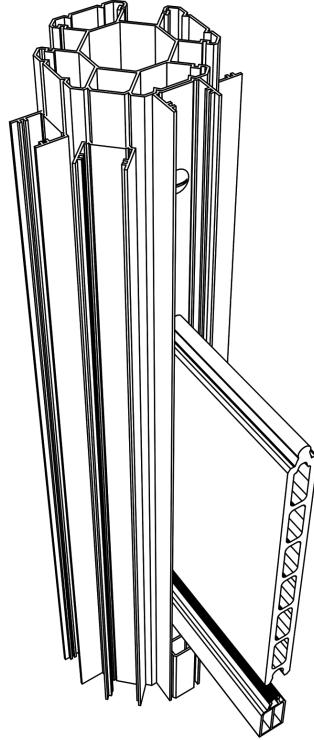
Line the 45 degree converted up with the triangular guides. And fasten into place using provided screws.



Step 2.



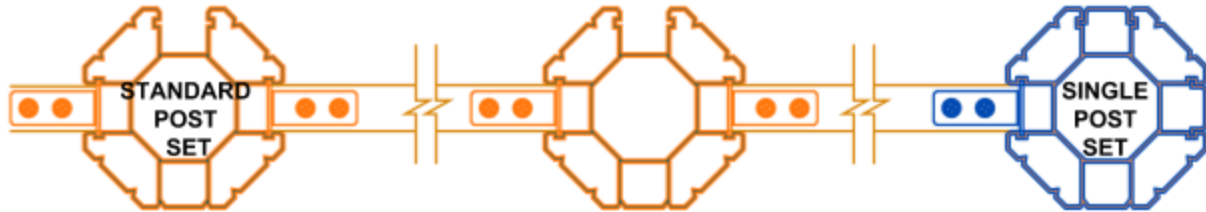
Slide a rail support into place thereafter, and assemble the rest as you would any other direction.



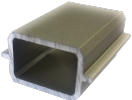
GENERAL INSTALLATION TIPS

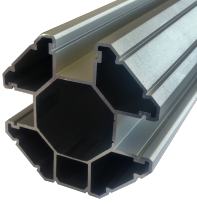
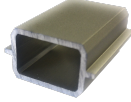



Fence Kits

For easy distribution, Evolver is sold in sets, that form a 1800x1800 fence kit. To form a Fence Kit, you would need 1 Standard post set and 2 Board Sets. and the last post installed would need to be a single post set..




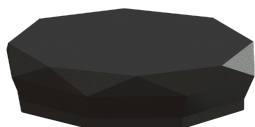


Standard post set

POST X 1	BOTTOM RAIL x 1	TOP RAIL x1
 <p>1830mm</p>	 <p>1800mm</p>	 <p>1800mm</p>
RAIL SUPPORT x2	LOCKING CLIP x2	FASTENER x4
 <p>300mm x 2</p>		
POST SLIDE COVER x 1		
 <p>1830mm</p>		

Single post set		
<p>POST X 1</p>  <p>1830mm</p>	<p>RAIL SUPPORT x1</p>  <p>300mm x 2</p>	<p>LOCKING CLIP x1</p> 
<p>FASTENER x4</p> 	<p>POST SLIDE COVER x 2</p>  <p>1830mm</p>	

Boards Set x4
 <p>1794mm x 4</p>



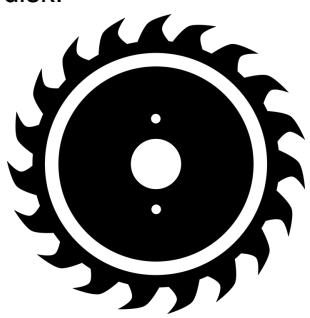
Ancillary items sold separately			
45 degree converter	Post Cap	Post Mounts	Intermediate rail
 <p>1800mm</p>			 <p>1800mm X 6 or x 1</p>

GENERAL INSTALLATION TIPS

Cutting

As our boards all come pre-cut to exactly the same length each time, installation is incredibly easy. There may however be a need to cut the various parts especially in the last few fence boards you lay.

Cutting can easily be accomplished using standard tools. Composite boards are similar to hardwood and may be cut with a circular saw with a sharp disk.



Where aluminium is naturally quite soft and can be cut with a hand saw, but it would be easier to use an electronic item like a circular saw.

Remember... measure twice cut once.

Embedding into cement

When embedding your post mounts, try to avoid any cement/concrete that contain soluble chlorides or halides. As this may cause problems later with corrosion.