

Using your approved drawing

Always use your approved CAD drawing when installing/setting out your balustrade system.

Marking out

Take time to mark and lay out your balustrade prior to any drilling to ensure correct fitment/positioning.

Levels

Ensure posts are level in either direction when installing.

Aligning posts

Always align posts using the formed holes in the tube and not the baseplate fixing holes. Baseplate orientation cannot be guaranteed.

Balustrade systems must always be installed onto a solid substructure, constructed of durable materials.

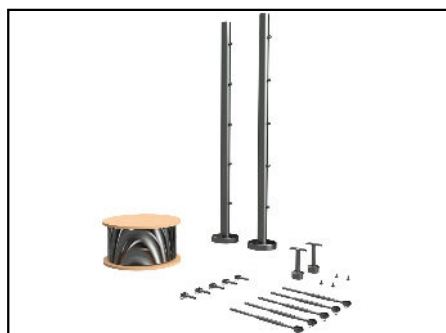
Suggested Fixings

- **Wood** - coach screws or coach bolts
- **Metal** - nut and bolt or drill and tap
- **Masonry/Concrete** - chemical resin studs or anchor bolts

*Fixings are provided as a guide and are not suitable for every application.

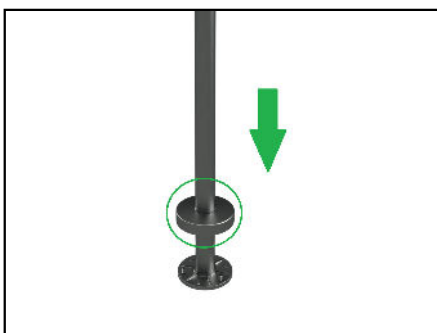
Tools Required

Marker pen/pencil, Level, Tape Measure, Drill, Allen Key Set, Rubber Mallet, Socket Set, String Line (Optional)



Lay out your components on a soft surface to prevent scratches, position posts as per your approved CAD drawing around your installation area.

Take care with smaller components and screws to prevent loss/damage.

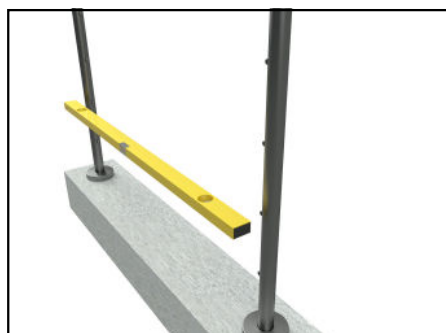


Slide all baseplate cover plates down all posts.



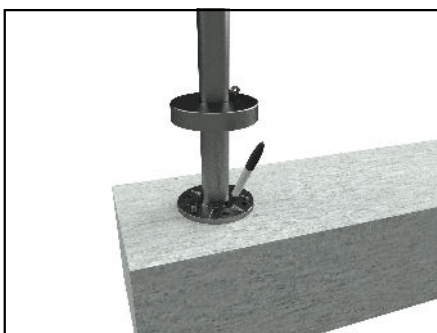
Using your approved CAD drawing, set out all posts around your project area.

Ensure to observe all inset and centreline measurements.

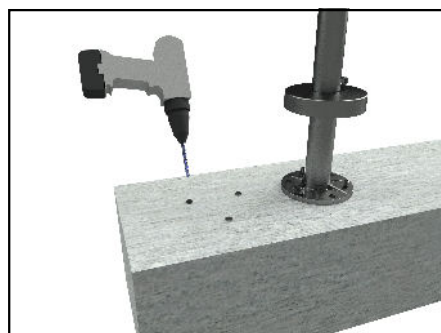


Using a long spirit level or string line, ensure eyelets / holes on all posts line through with each other. This applied to each elevation/run.

Use shims or similar to level anything out of line as this will help to ensure you get the best line possible.

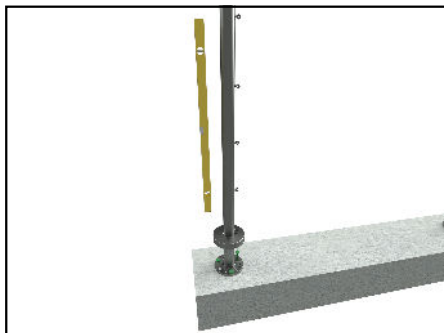


Now mark the fixing hole positions onto the substrate.

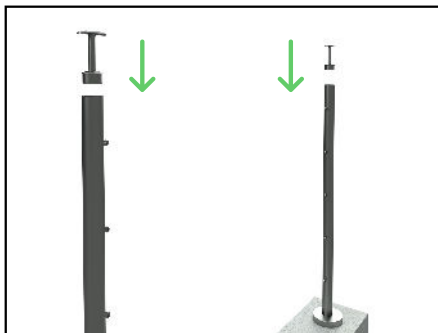


Using a suitable drill and drill bits for your substrate and fixing type, drill out the marked holes as required.

Clear holes of dust and debris once drilled.

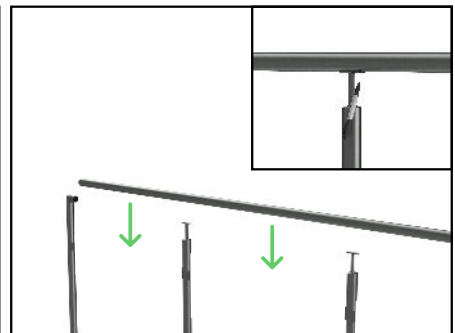


Fix the posts down to your substrate using suitable fixings.
Ensure posts are level, the use of shims may be required to level posts against uneven surfaces.
Ensure all fixings are secure and/or any resin fixings have cured before tightening.



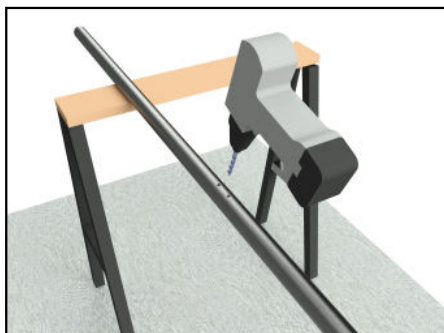
Where required, install the saddles for the handrail by applying glue around the inside top of the post and pushing the saddle into the hole.

Ensure all top plates are in line ready to accept handrail.

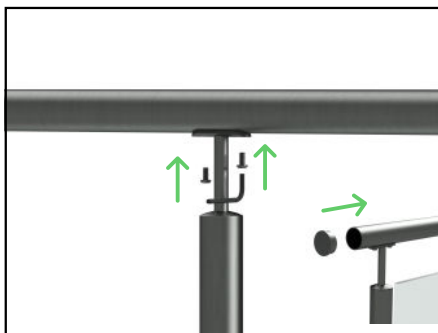


Refer to your approved drawing for handrail lengths and locations, mock up the fitment of the rails on top of the posts.

Use a marker pen to mark the hole locations on the rails ready to be drilled.

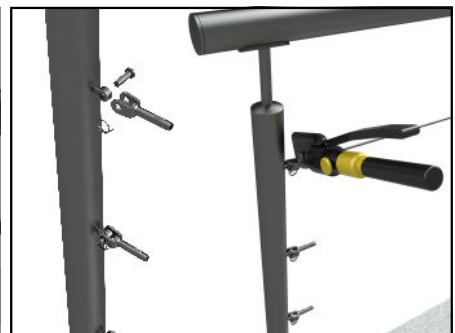


Using the drill bit provided, drill all marked holes in your handrails.
Ensure the rails are clamped whilst drilling to prevent slipping, rails should be rested on a soft material to prevent scratching.
Once all holes are drilled, use the tap provided to create a thread in the wall of the tube.



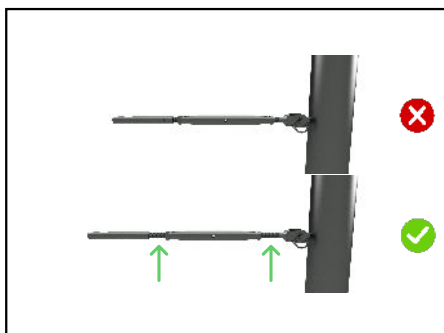
Fix the handrails into position using the supplied button head screws, use an Allen key to help tighten.

Any handrails fixing to a wall must have the handrail flange slid over the appropriate end of the rail prior to screwing down. Install any end caps as required using the glue supplied.



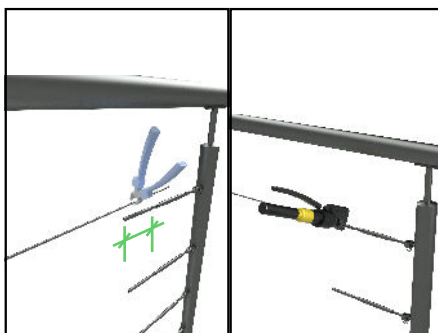
Install the swage forks/fixed ends onto one end of each elevation. Uncouple the pin from the component, align with the eyelet in the post and re-secure to install.

Slide the wire infill through all mid posts on each elevation and finish into the swage forks. Crimp component to secure wire in place.



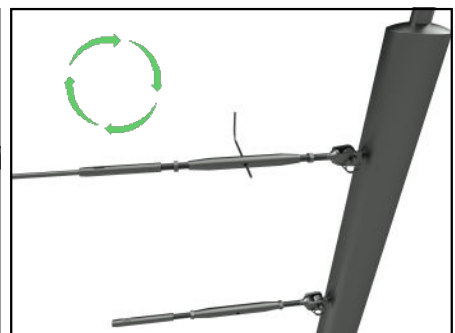
On the opposing side of the elevation install the tensioning components using the same method.

Ensure the tensioners are unwound as shown to allow for wire tensioning/adjustment.



Pull the cable until taut, align with the tensioner component and cut in-line with the insert part of the component.

Feed the cut end of the cable into the component, crimp to secure using a hydraulic crimping tool.



Wind the tensioning components back to tension the wire infill. Once taut, use the locking nuts to secure the component and to hold the tension.

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Please refer to the care and maintenance document for information on how to clean and maintain your balustrade.

If you have any questions prior to or during installation please contact the team.