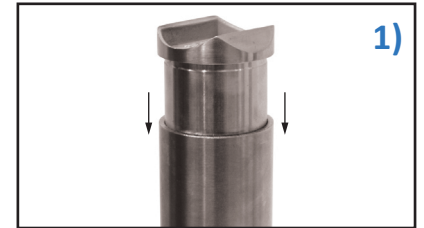


Step 1 - Dry Run

Once you have all upright posts firmly fixed to your surface and you are happy with the strength of each, proceed to place your handrail supports into the top of each upright. **1)** Place any elbows you may have into the ends of your handrails and down onto your fixed uprights. **2)**

PLEASE NOTE: DO NOT use any MMA Adhesive at this time.



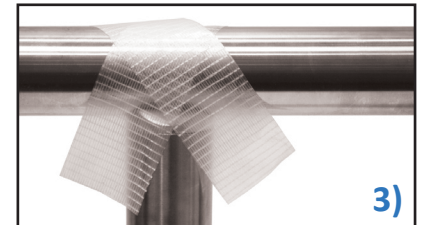
Step 2

Tape the handrail supports to the handrail using gauze tape. Remove the handrail completely from the uprights ensuring the supports are securely taped in the exact position they were when the handrail was in place. **3)**



Step 3

Using a felt pen, mark the holes on the handrail where your handrail support is positioned. Once all holes are marked and you are happy with their positions, un-tape the handrail supports.



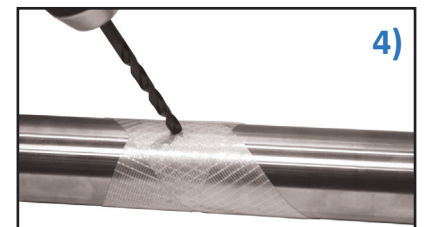
Step 4

Ensuring your handrail is securely positioned within a vice or similar mechanism, place a small piece of gauze tape over the marked area and using a sharp point, gently mark a pilot hole into your handrail - this will assist you in drilling your hole. Place lubricant onto your drill bit and proceed to drill the holes into your handrail. The correct size drill bit and taper is included in your order. **4)**

PLEASE NOTE: Take it slow when drilling holes into your handrail.

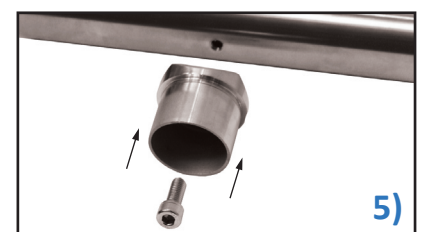
Once you have successfully drilled all holes into your handrail, you now need to tap them. The correct size tap is included in your order. To tap the hole, drill into it with the taper. Remove all tape once all holes are drilled and tapped.

PLEASE NOTE: SWR offer a full drilling and tapping service for upright posts, however we do not drill and tap any handrails, to allow for any adjustments to be made on site.



Step 5

Once all holes in your handrail(s) are drilled and tapped, proceed to replace your handrail supports, marrying up the holes in your handrail supports to the holes in your handrail. Place fixings through the underside of your handrail support and tighten until the handrail is securely fixed to handrail support. Repeat until all handrail supports are securely fixed to your handrail(s). **5)**



Step 6

Apply MMA Adhesive onto the male fitting of your handrail supports and the male fitting of any elbows on the end of your handrails. Proceed to place the handrail supports and elbows into your uprights. **6)**

PLEASE NOTE: The MMA Adhesive sets very quickly.



Step 7

Using gauze tape, securely tape any areas that you have applied MMA Adhesive to act as extra support. Leave to set for 24 hours.

For further help fitting your Balustrade System or for any other enquiry, please contact SWR on the details below.