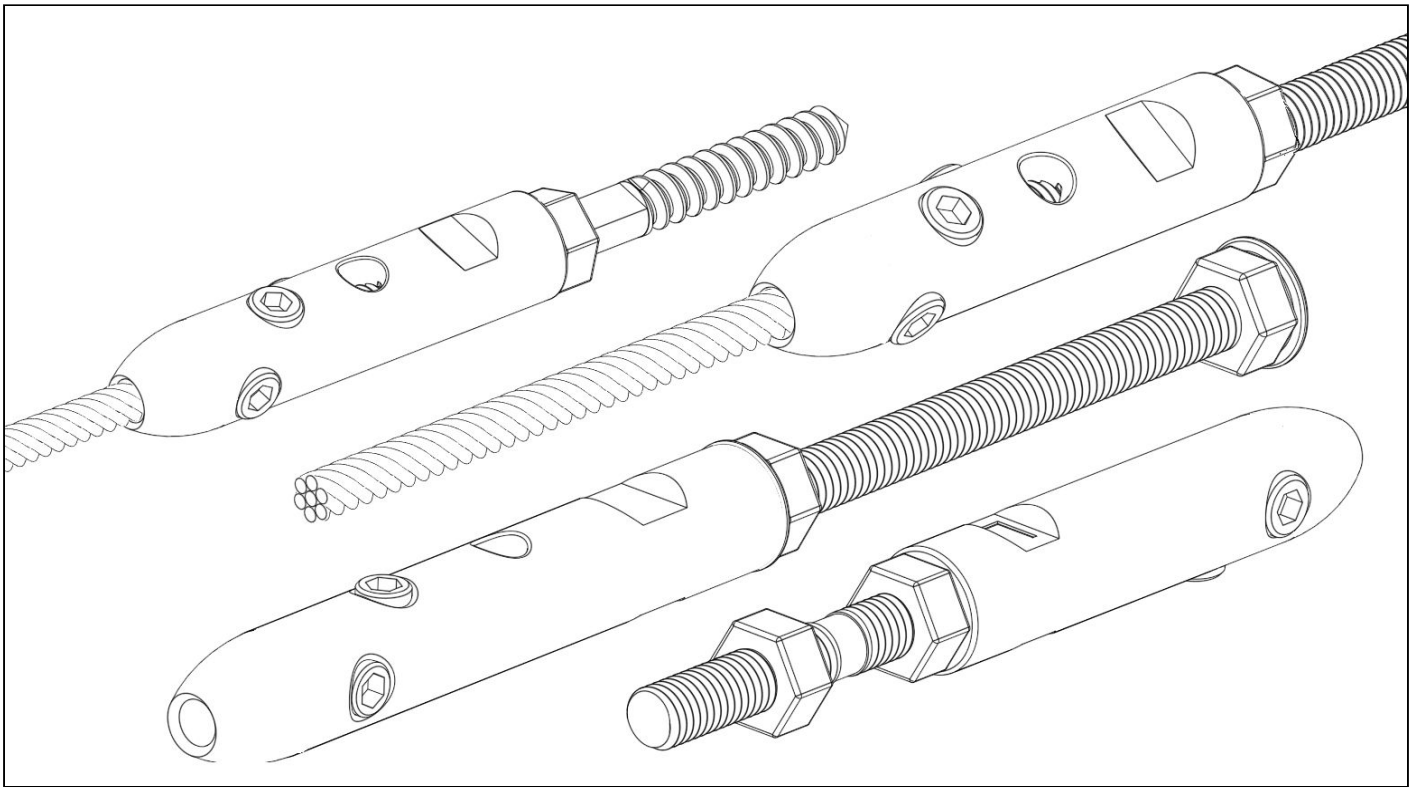
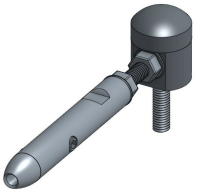
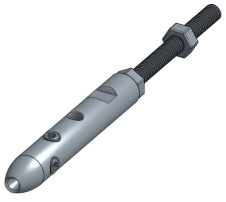
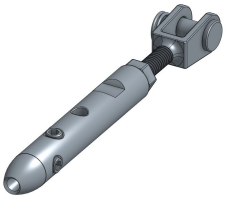
TECNI BALUSTRADE INSTRUCTIONS

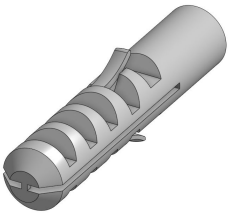
1/ DRAWING



2/ TYPES

MODEL	PICTURE	MODEL	PICTURE
TECNI Standard Balustrade Straight Runs into Wood (4/6mm)		Standard Balustrading Outside of Metal Post (4mm only)	
TECNI Standard Balustrade Straight Runs into Metal (4/6mm)		TECNI® Standard Balustrading Outside of Wooden Post (4mm only)	
Stainless Guardrail Assembly(4/6mm)		TECNI® Standard Balustrading Through Post (4mm only)	

REV 1

TECNI Standard Balustrading Angled Runs into Metal (4/6mm)		TECNI Standard Balustrade Angled Runs into Wood (4/6mm)	
50mm Nylon Long Wall Plug for 6mm - 8mm diameter screws		3mm Short Arm Allen Key	

3/GUIDES AND TIPS

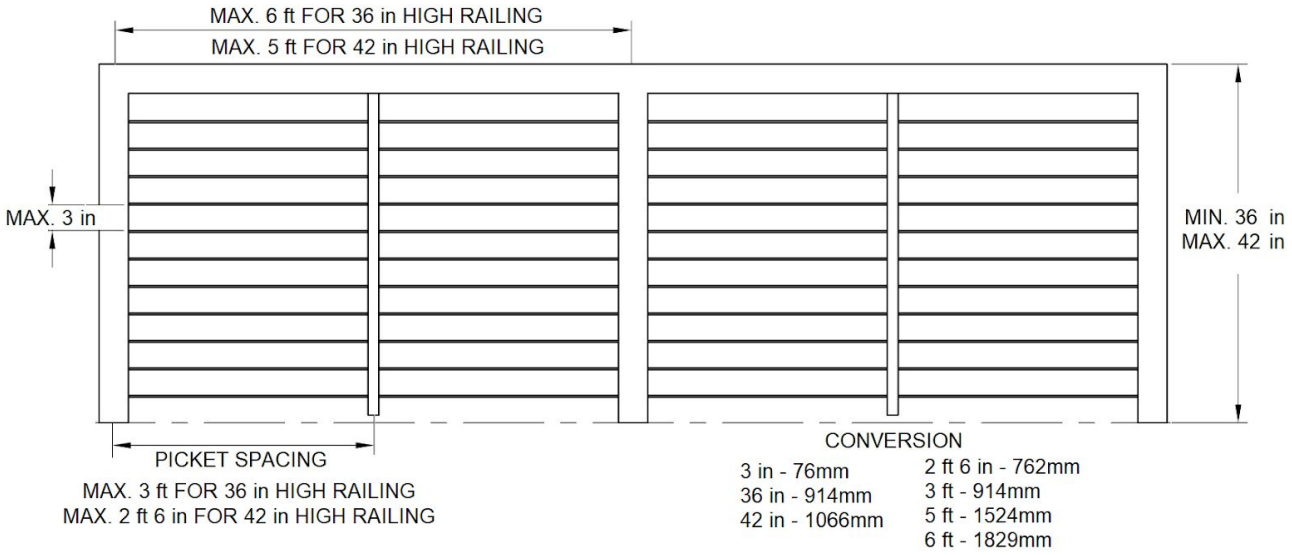
- A top rail, capable of withstanding a compressive load, should be fitted to help absorb the considerable force exerted by the cables on the end posts. Without one the posts are likely to fall in and the cable to go slack.

- When drilling your posts and anchor points, the following sizes apply for the M6 system:
  - Intermediate post clearance holes: wire size +1mm.
  - Wooden anchor points - Pilot hole of 4mm
  - Steel anchor points. Drill 5mm hole and Tap M6

- If tapping into metal posts, ensure the tapping tool is straight in all planes. The angle at which the 5mm holes are drilled into the posts is critical. Be sure that the measurement point and position of the holes are correct.

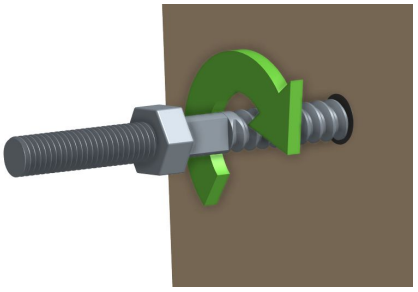
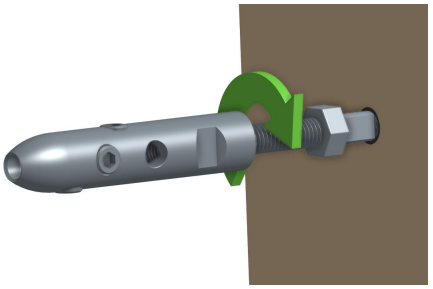
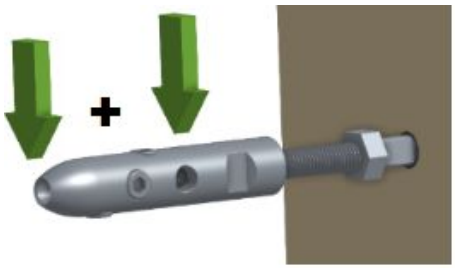
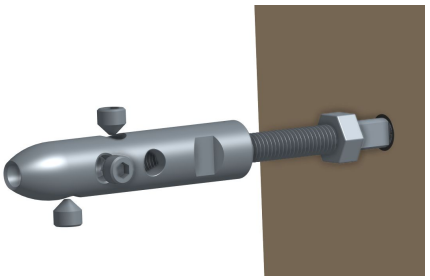
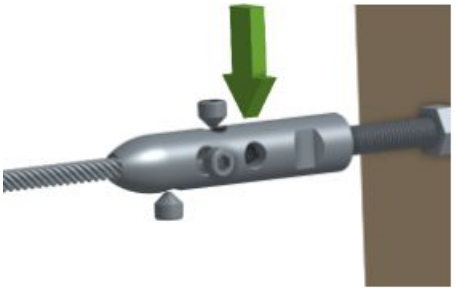
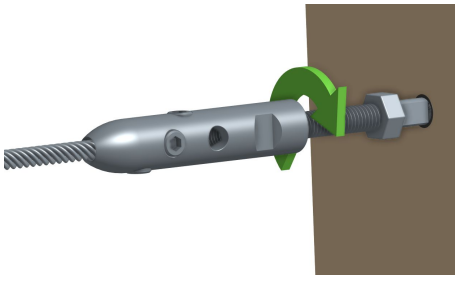
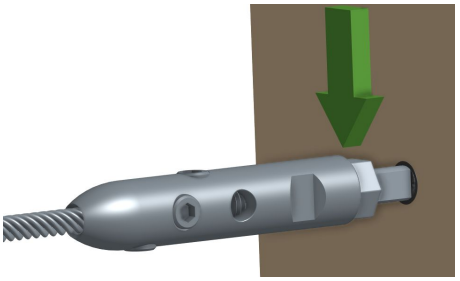
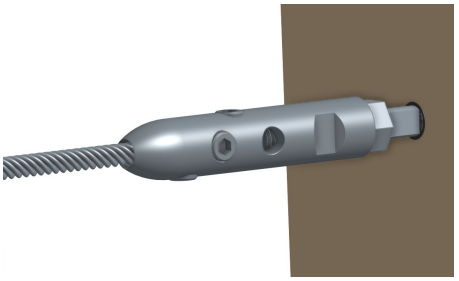
- For the best look, when screwing the studs into the posts ensure the depth of the stud and the amount of visible thread is the same for each stud all the way down the post.

- For correct tensioning using 75mm (3 in) spacings the cable should not deflect to more than 100mm (4 in). If you have the means to test it, tension the cables to 102kgf (225lbs) per cable



Note: You should always check with your local planning office to confirm that horizontal wires will be allowed by your building inspector for your specific application.

4/ INSTALLATION

		
1/ Pre drill post to 4mm, or if it is an installation into metal posts then drill & tap to the required thread size.	2/ Screw in the dual thread screw. You will require a RH thread at one end and a LH at the other.	3/ Thread on the DIY fitting approximately halfway along the thread. (this allows you to tension the wire)
		
4/ Measure the distance between the two fittings at each end of the run. Then add the measurement for the depth of the hole in the fitting (45mm at each end or 90mm overall). Cut the cable to this length.	5/ Loosen the three grub screws.	6/ Push the cable into the fitting so it is visible in the inspection hole. Try to avoid fraying the cable by gently twisting in a clockwise direction. Tighten all 3 grub screws when fully inserted.
		
7/ By rotating the cable and the diy fittings in one direction the cable will gradually tighten. Turn the fittings the other direction to create slack. do not over tighten.	8/ Repeat steps 1-7 for the rest of the wires. Once this is complete tighten the lock nuts at the base of the fitting to lock in place.	9/ Complete.