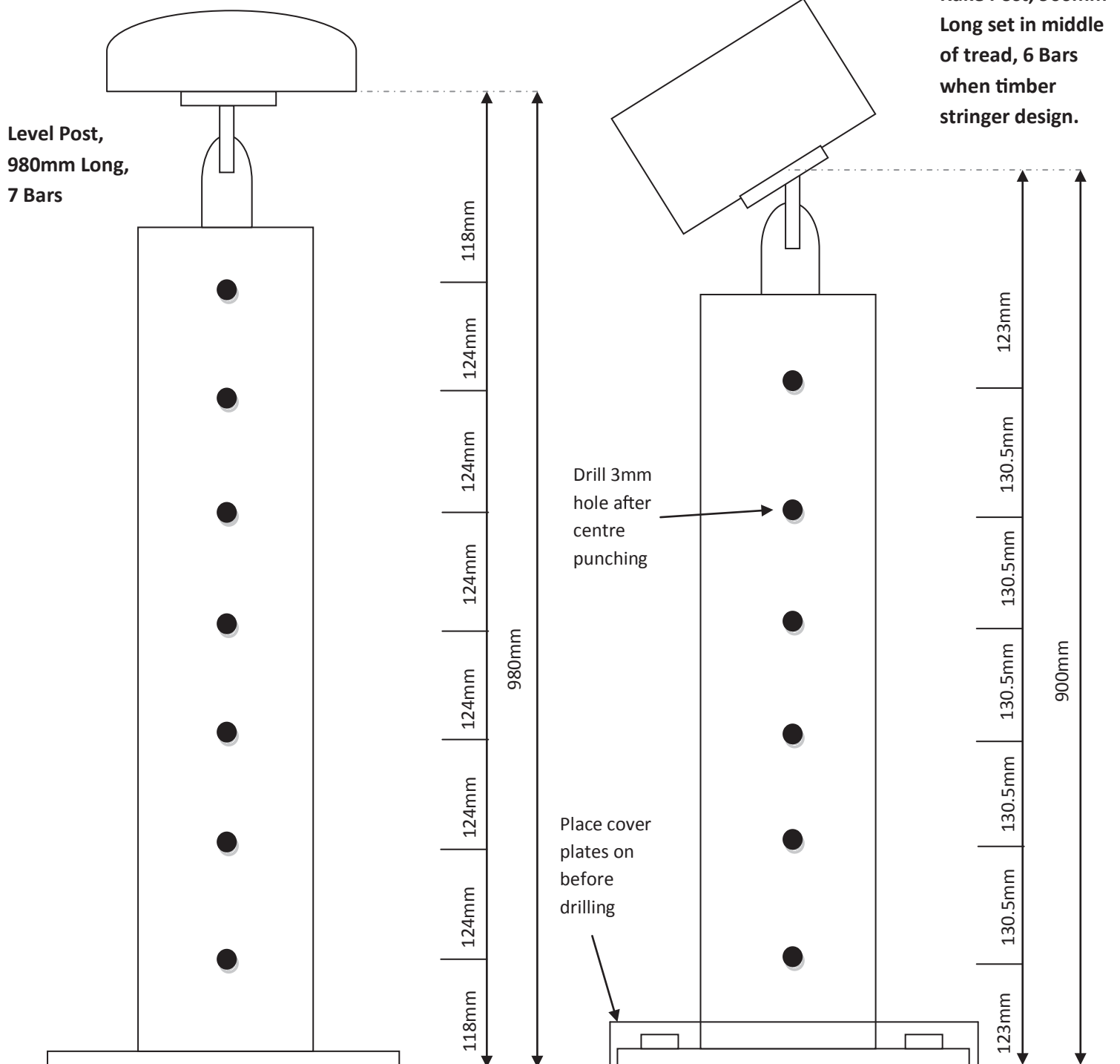


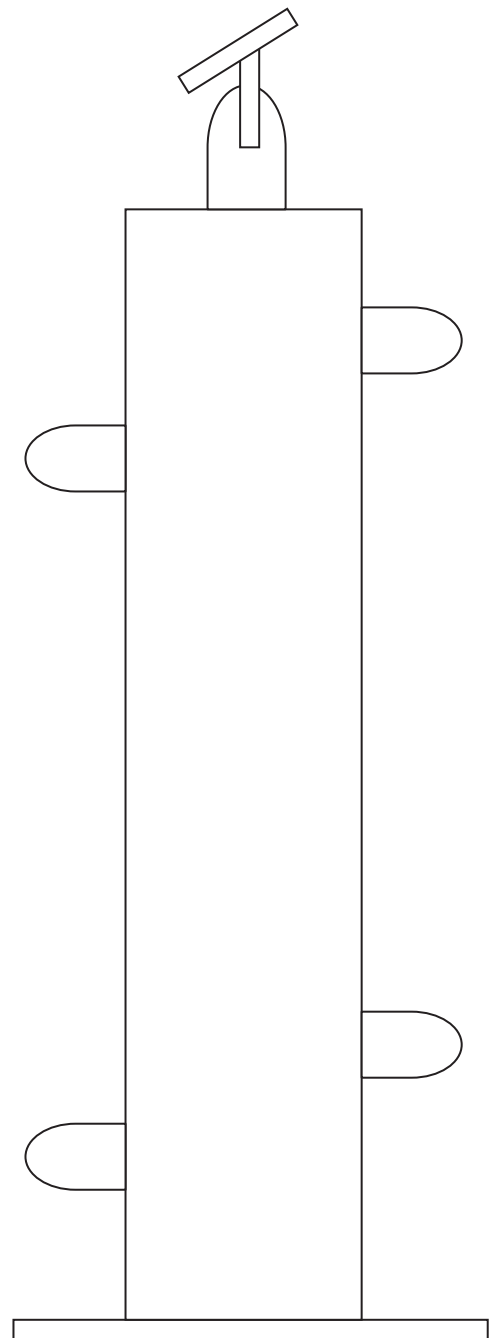
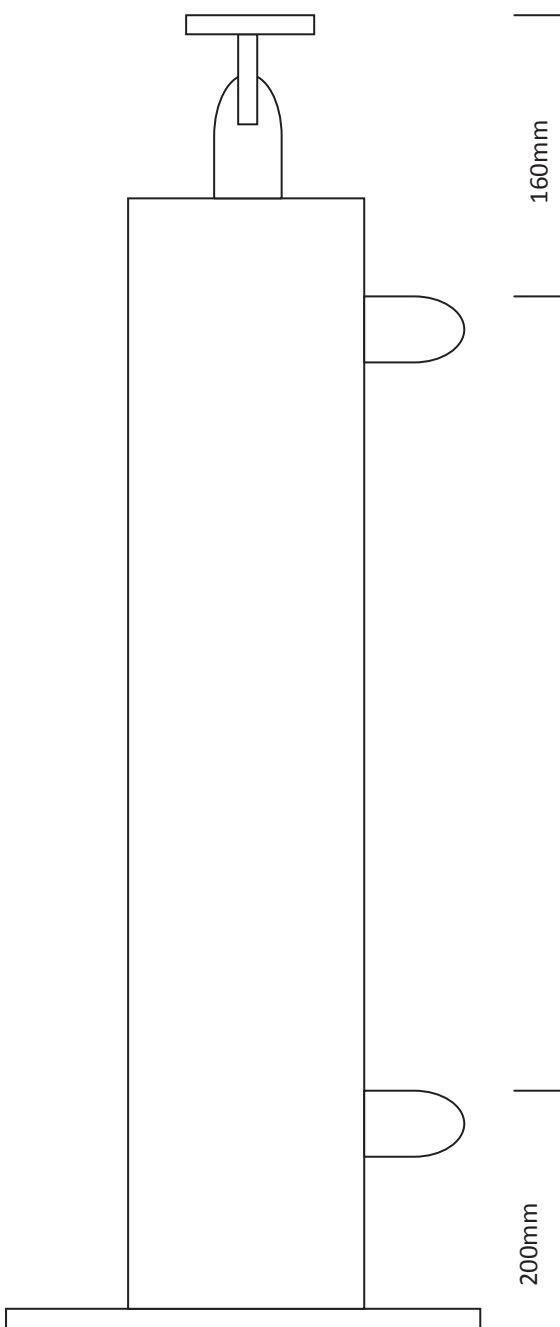
## DIY Balustrade Installation Guide (Bar Balustrade)

1. Set posts to desired positions and fix ensuring posts are plumb by placing packers under the base plates.
2. Once in position and plumbed, mark spacing's as shown in the following diagram, then place base plate covers in their position.
3. Drill holes using a 3mm drill bit.
4. Now dis-assemble all bar holders keeping all parts in a box.
5. Screw all bar holder connectors onto posts and cut bars to desired length. Place required amount of bar holders on bars and start from bottom, if raking.
6. Screw bar holders into position with allen key. Work from top of posts down for easier access of lug screws.
7. Put bullet end on and then the handrail.



## DIY Balustrade Installation Guide (Glass Balustrade)

1. Place post in desired position, fix to floor / stair tread with fittings provided.
2. Plumb posts up using packers.
3. Place cover plates in position.
4. Posts should be placed at 40mm and 90mm increments etc 940mm, 990mm, 1040mm, 1090mm, 1140mm, 1190mm maximum of 1540mm. These measurements allow for standard glass sizes, which are much cheaper.
5. Now fix handrail to post and mark 177.5mm from under side of handrail, and same from the floor up 177.5mm.
6. Make sure centre of post is marked. Centre punch and drill using a 3mm drill bit.
7. Fix glass clamps on posts.
8. You are now ready for glass. Racking glass clamps need to be set out as per stair gradient. Templates must be made now to suit glass.



**Raking balustrade glass clamps must be set as per stair gradient**