

Once you have designed the layout for the BA112, follow these steps:

- 1/ Measure and cut base fixing section to size using the die line in the centre of the section as the centre line for glass.
- 2/ Drill 12mm holes in base fixing section at no greater than 400mm centres.
- 3/ Place base fixing section into position and mark hole positions to be drilled in concrete or simply drill though holes in base fixing section into the concrete. If using 100mm threaded rods holes will have 75mm of rod set into them.
- 4/Clean holes of all dust and debris. Then with base fixing section in place inject Sika 1 or equivalent into holes and fit rods so that 15mm protrudes above the holes in the base fixing section. Let Sika1 set.
- 5/ Remove base fixing section and clean all Sika product from it and concrete. Any excess Sika could cause base fixing section to rock when installed.
- 6/ Refit base fixing section with BA112 slide bolts in slot. Allow enough bolts to fix glass panels at no greater than 400mm centres. Then fit 30mm x 2.5mm flat washers and M10 nuts to rods set in concrete and tighten to 50NM.
- 7/ Glass may have been measured already, but if not measure glass based on centre die line of base fixing section. Allow for normal clearances and overlaps at panel edges and corners. For height deduct 42mm for base fixing section when calculating height. Hole positions in glass to be at not greater than 400mm centres. Matching the number of installed slide bolts.(see our set out sheet in Product Guide for hole sizes and positions)
- 8/ When installing glass position slide bolts to match holes in glass. Fit back section of clamp bracket to slide bolts.
- 9/ When fitting glass onto bolts and brackets ensure nylon bush is fitted to bolts. Place glass into position on back clamp plate. Fit front clamp plate with 30mm washer and M10 nut onto slide bolt.
- 10/ Ensure that the bottom edge of front plate is locked into correct grove on the base plate. (e.g. First notch for 12mm glass; second notch for 15mm glass).
- 11/ Glass panel can now be shuffled into its final position.

12/ Before tightening clamps, place 2 x pieces of 2mm red packer next to each screw then tighten up.

13/ Tighten M10 nut on slide bolt.

14/ Check height and level of glass. If height is required to go up at one or both ends loosen M10 nuts and raise glass. Packers can be placed between the glass and base clamp plate.

15/ for vertical adjustment loosen M10 bolt and use thicker or thinner packers between clamp plate and base channel (e.g. change red packers to suit) Continue this process for all panels. When each panel is correctly aligned tighten M10 nuts to 50NM.

16/ Measure and cut to size all cover plate sections. When fitting ensure black bulb seal is fitted to cover plates. Once covers are correct, silicone into place with end caps.

Note, if the balustrade section is fitted to a deck above ground level the external base cover should be fitted to the base channel before the glass is fitted this can avoid the need for scaffolding.