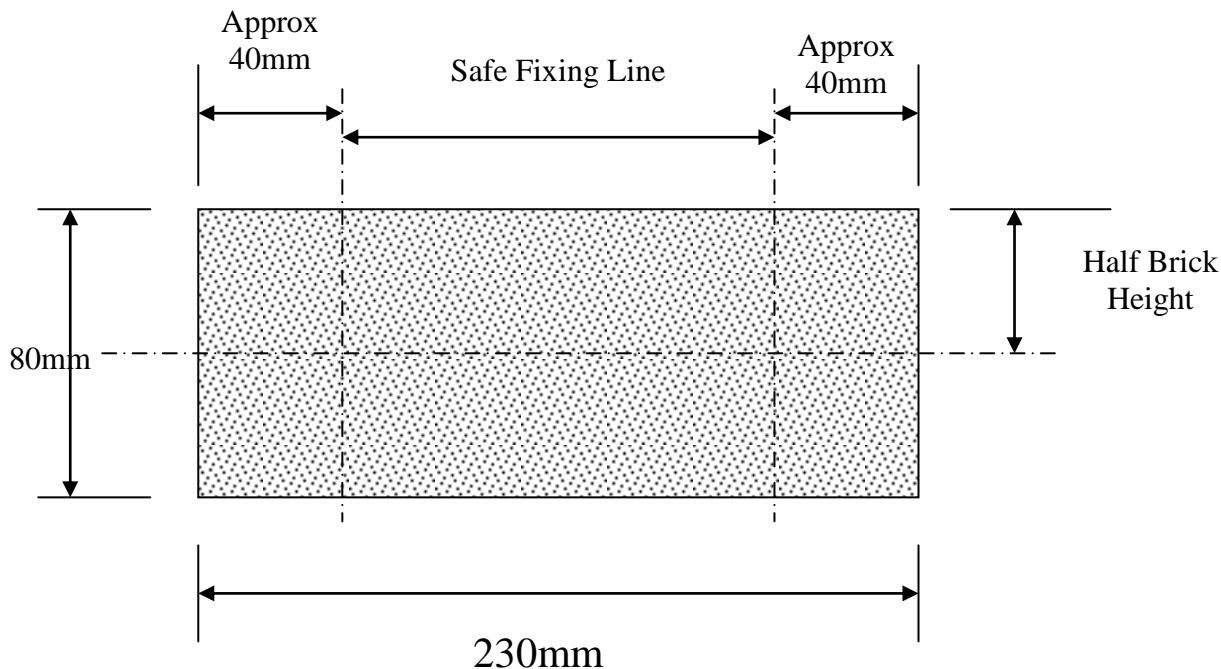


## Good Practice for fixing Shield Anchors into Brickwork



A shield anchor is a multi-material fixing and suitable for many substrates like stone, concrete, brick, concrete block, lightweight concrete block, hollow blocks etc. With regard to brick in particular it is better to fix along the middle line of the brick and not too close to the edge, ie a standard brick is 230mm x 80mm therefore the ideal place would be 40mm down and between 40mm and 150mm from the edge (see diagram attached). The reason for this being that a shield anchor creates a great deal of expanding pressure and can fracture the brick which would loosen the shield anchor, and sometimes the brick can 'blow' and disintegrate leaving the anchor in mid-air.

It is not recommended that the anchor be fixed into the mortar line as this may not be solid from front to back and of insufficient hardness to allow the anchor to expand and hold correctly

Any brickwork that is in poor condition through erosion or impaction from such things as vehicles or machine tools should not be fixed into as the fixing could easily fail

It is recommended:

- To fix into the centre of the brick
- Do NOT fix into the mortar line
- Do NOT fix into damaged bricks
- Do NOT fix close to a corner edge

**Please note these are only suggestions and do not constitute any form of contract or liability for anyone using them for fixing anchors.**