

# Chimney Fixing Guide

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FabSpeed UK  
OFFSITE BRICKWORK SOLUTIONS



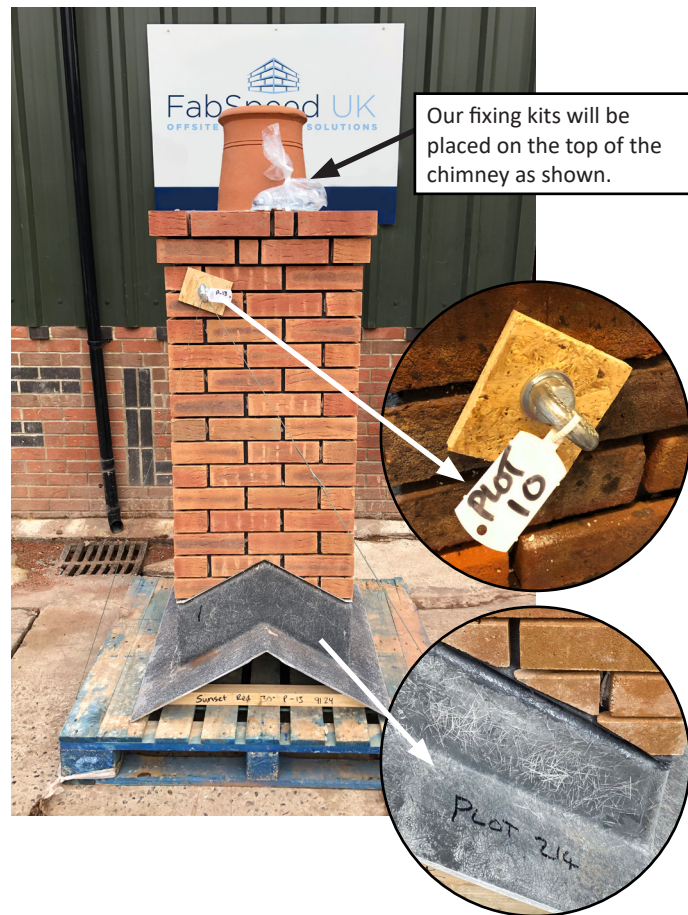
Every chimney is tailored individually from roof position, pitch and chimney size. Please ensure you read through our fixing guide before installing our chimneys.

By doing so you are installing our stacks and complying to our CGFMA certification which our chimneys carry.

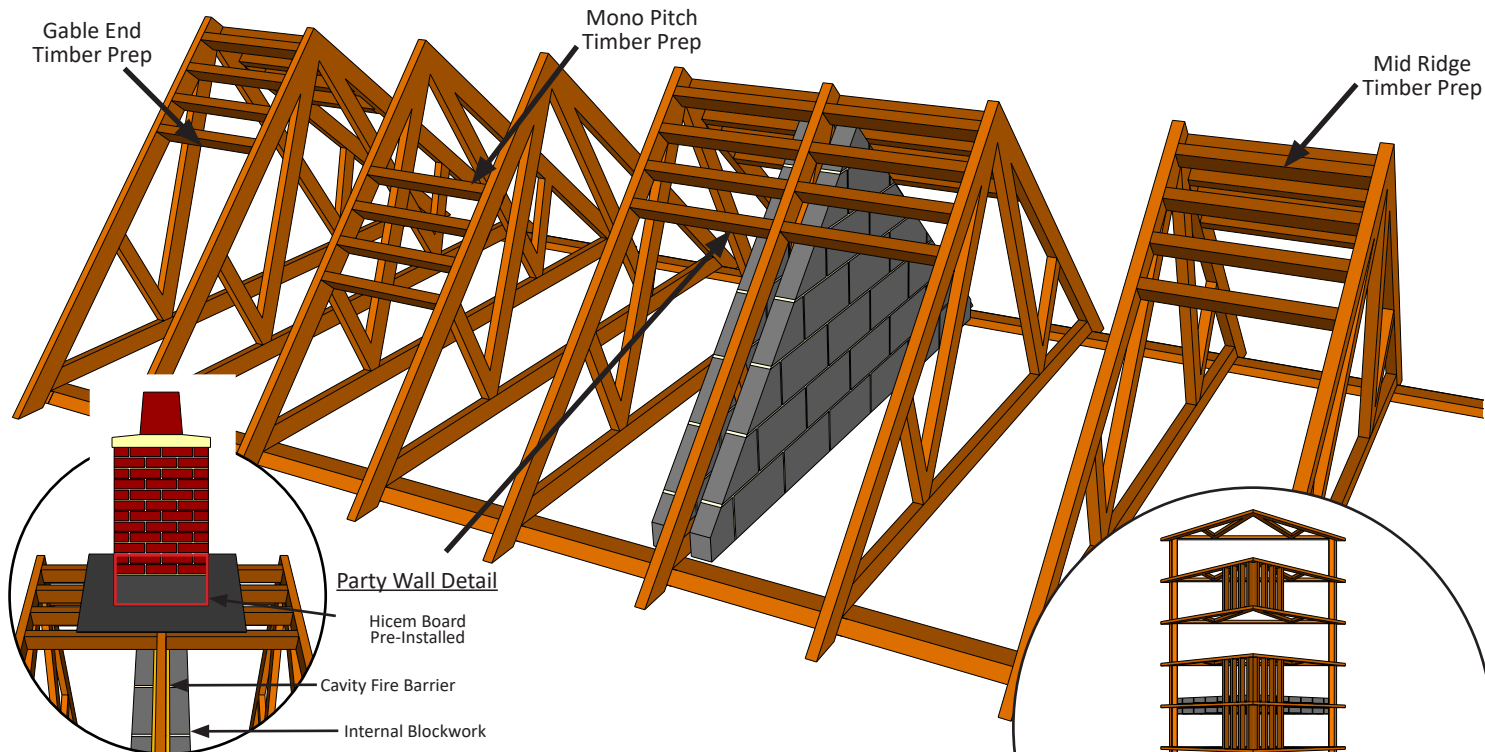
Failure to follow our fixing guide may lead to water ingress and potentially voiding any warranty.

We are here to help, if you are unsure of anything please contact us.

1. Your chimney will arrive on site strapped down on a pallet and screwed to the bracing timbers. You will be able to locate the plot number either on the saddle of the chimney or on the lifting eyes as shown below. Once unwrapped, pointing and haunching can be completed, it is optional whether you would prefer to do this on the ground or in situ.



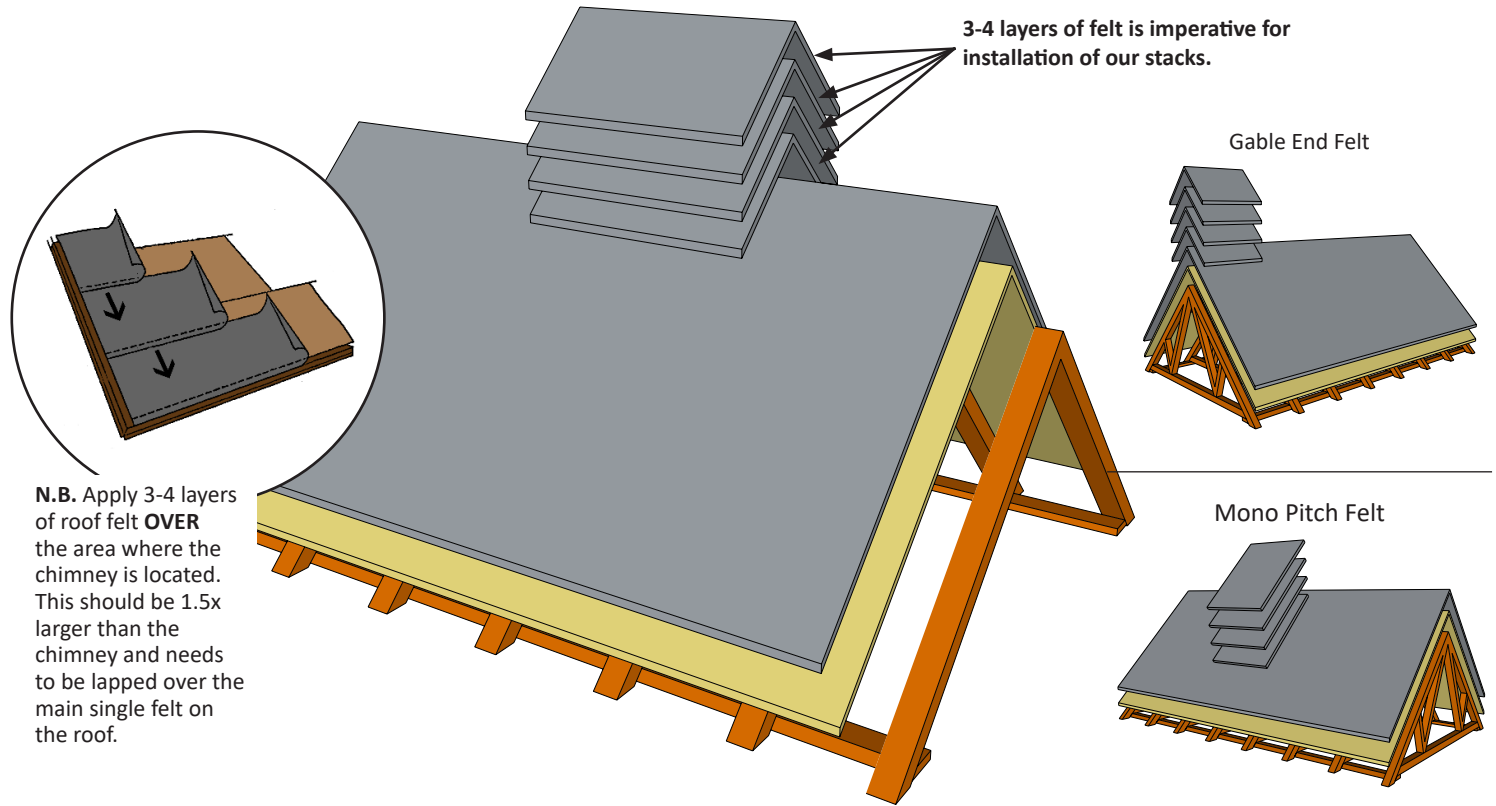
2. Before lifting into place make a timber platform or install noggins (as shown) between main roof trusses. Consideration must given to the weight of the stack and loadings checked with the truss manufacturer.



When chimneys are installed on a party wall a preinstalled fire stop can be ordered. If it is the intention to create this fire barrier on site please refer to building regulations and/or your warranty provider for details.



3. Before lifting the chimney into place ensure there is an extra 3-4 layers of felt lapped correctly over the main roof felt. This must be done before lifting the chimney into place. N.B. If the chimney is lifted into position before the main roof is covered in felt, it is imperative that when the roof is felt and battened, the extra layers of felt under the chimney are lapped correctly **OVER** the main roof felt.

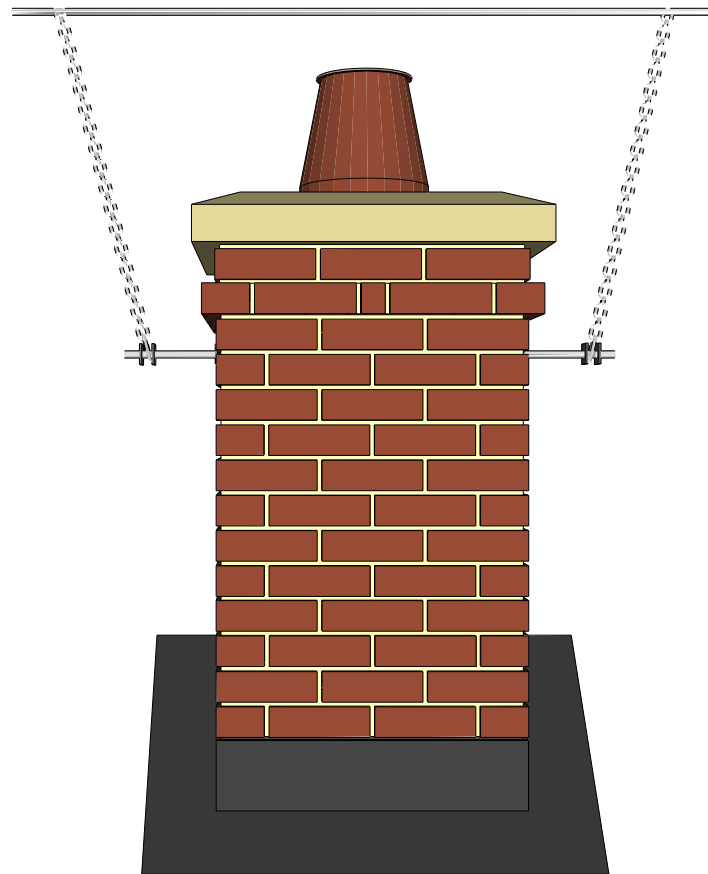


4. The chimney is provided with either 2 or 4 steel lifting lugs or a steel lifting bars depending on the weight and/or size of the stack. The lifting bar/ eyes will be suitably positioned towards the top of the chimney. Before lifting, ensure the lifting eyes are tightened and secured in the case of bars steel plate washers should be in place. The stack should be lifted using the specified method, a spreader bar should be used to ensure the maximum weight performance during the trunnion lift. This will also ensure pots/caps/corbeling will not get damaged during the lifting process.

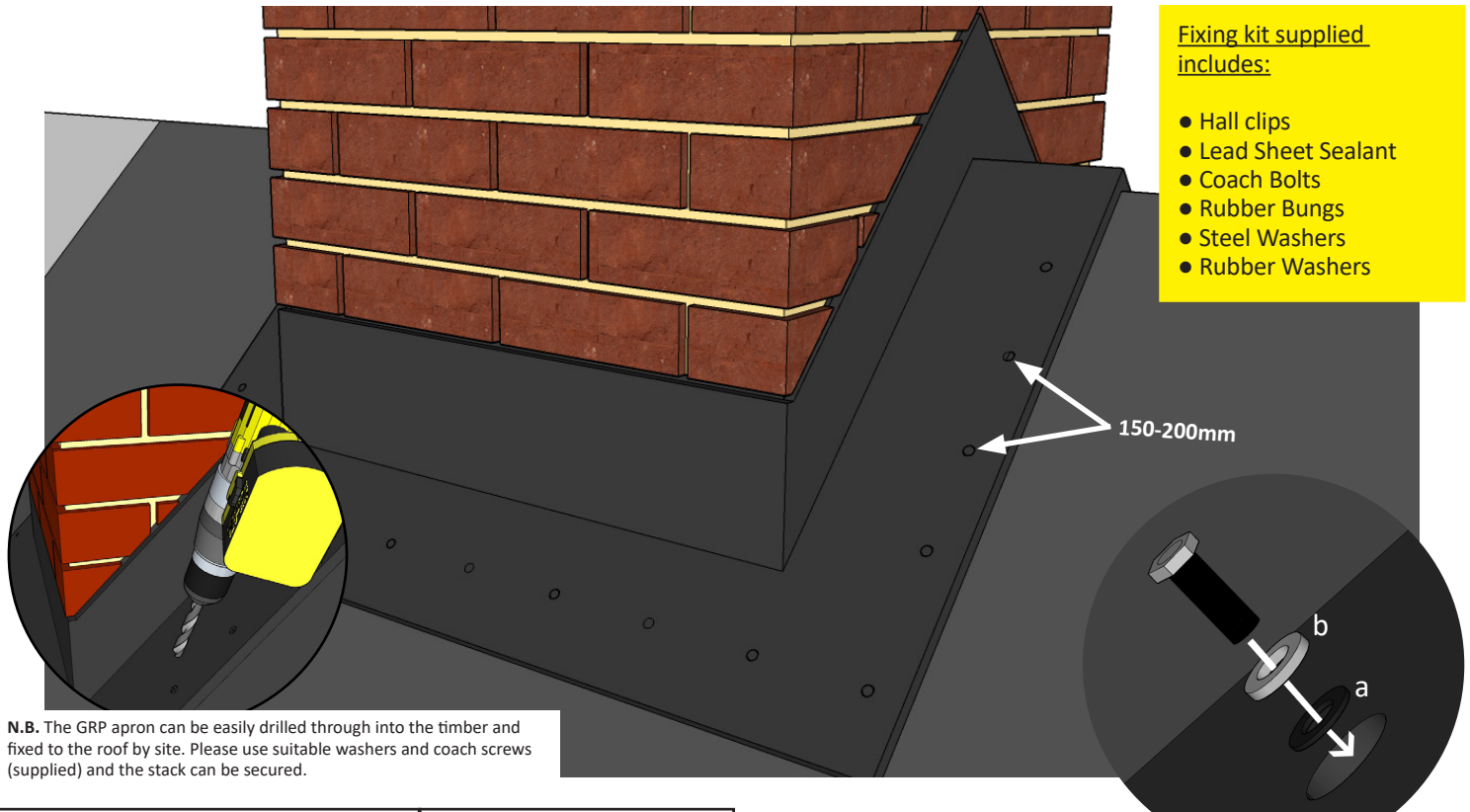
#### Method 1. Lifting eyes.



#### Method 2. Lifting bar and plate washer.

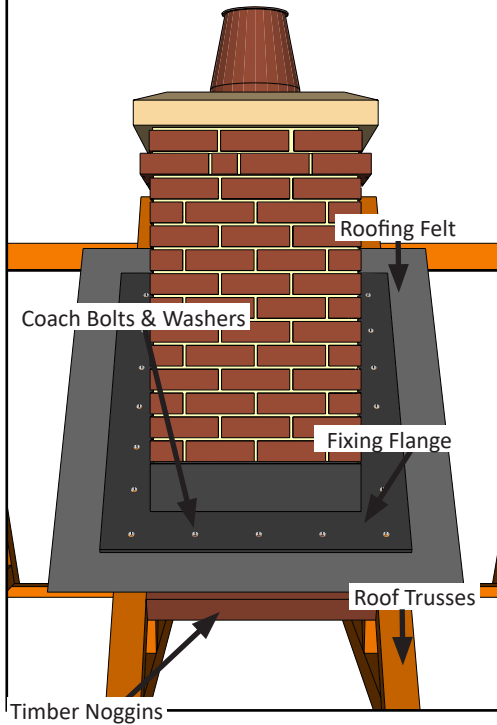


5. The position of the fixings must be be at 150-200mm centres (as per the diagram) using the supplied fixing kit with the correct amount of fixings dependent on the size of the stack. The fixings must be installed into a suitably designed and built platform or timber noggins between the roof trusses. **N.B. The design of this is your responsibility and if you're unsure you should check with the roof truss manufacturer and structural engineer.**

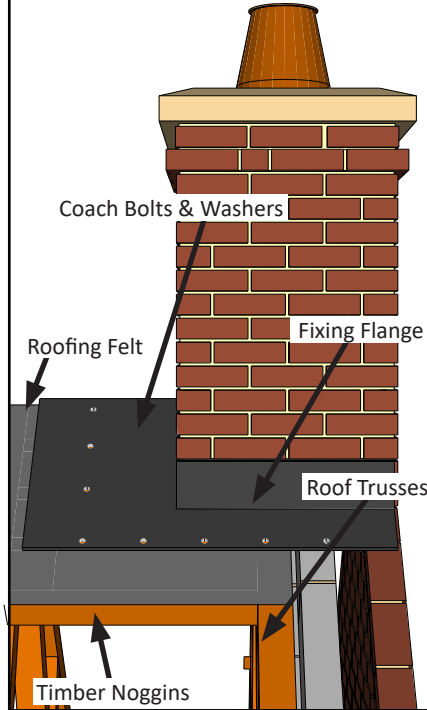


5a. There are 3 main locations our chimneys can be installed; mid-ridge, mono pitch and gable end. The diagram on note 5 shows our standard mid ridge fixing, other locations are shown below.

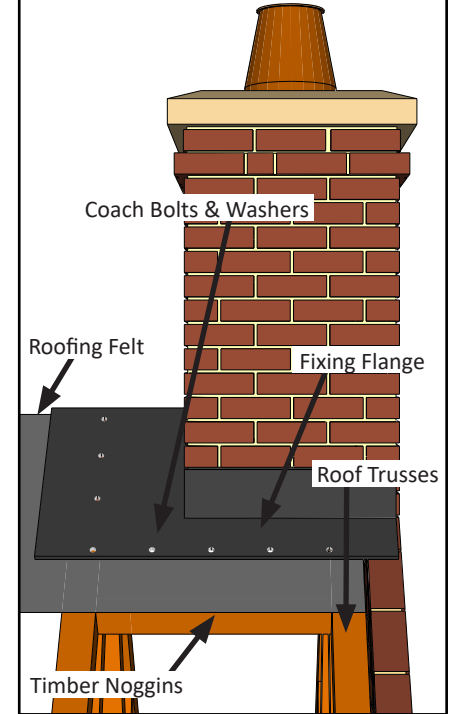
### Mono Pitch Chimney



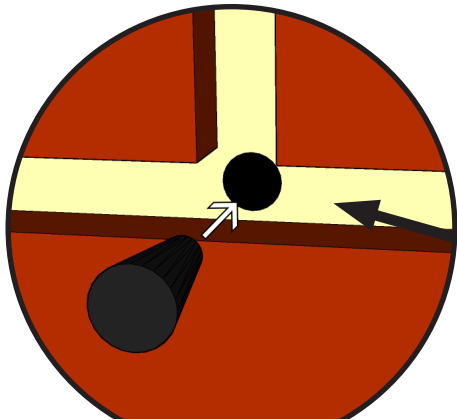
### Brick & Block Gable End



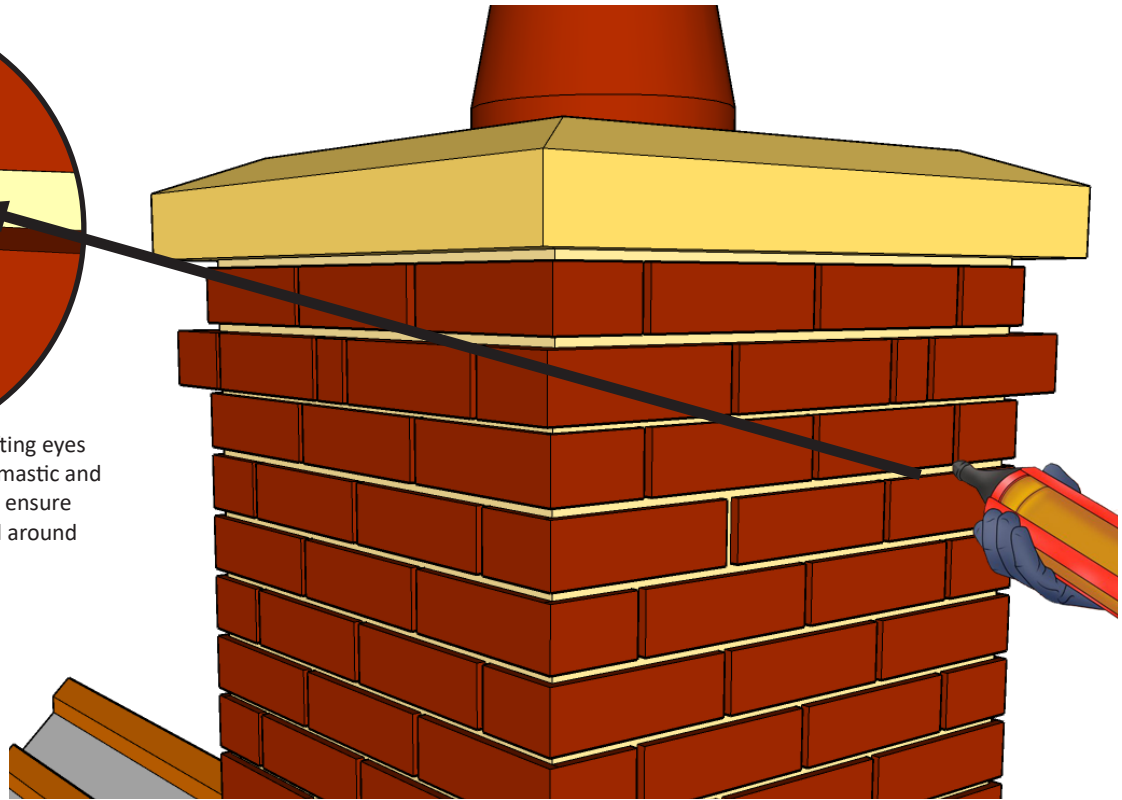
### Timber Frame Gable End



6. Once the chimney has been fixed to the roof you can remove the lifting mechanisms. This will leave holes directly through the sub frame of the stack which will need to be fully filled. A combination of mastic and the rubber bung supplied should be used to create a watertight seal **before** pointing. Filling the hole with the mortar is **NOT** sufficient.

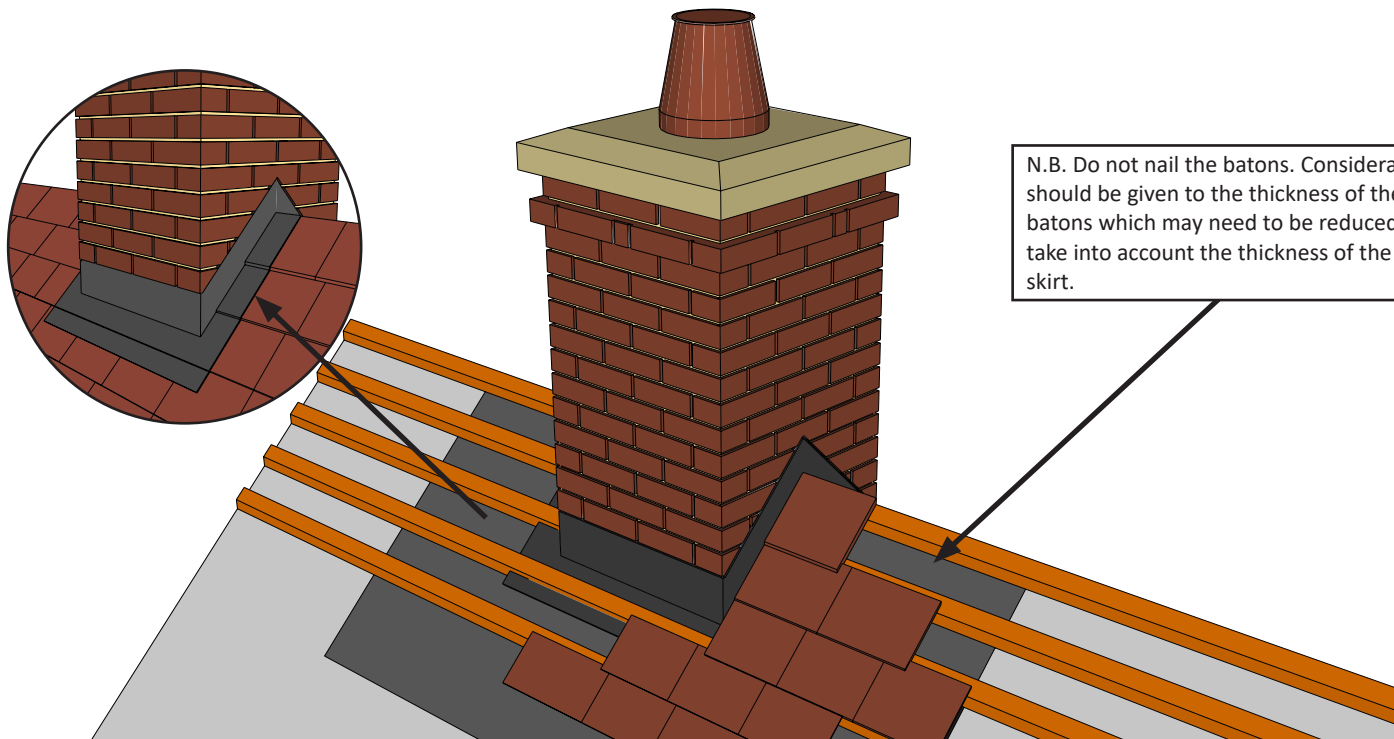


**N.B.** Once you have unscrewed the lifting eyes from the chimney fill them fully with mastic and then place the rubber bung in. Finally ensure that the pointing has been completed around the filled in hole.



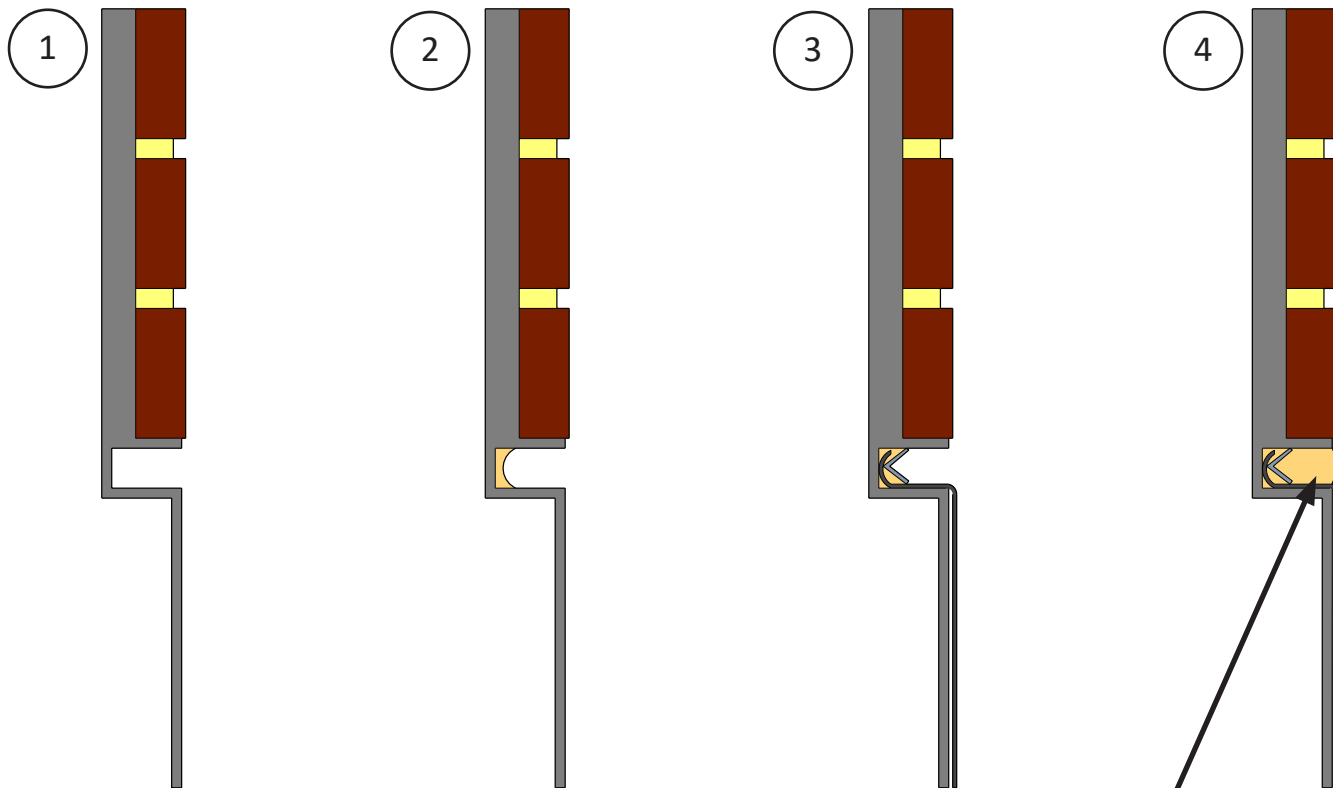


7. Proceed with the tiling and lead work around the base of the stack. The chimneys have an integral flashing channel around the base of the chimney. The flashing channel should be filled from the back to the front in lead mastic (illustrated on the next page) ensuring a complete seal to the back edge before the lead is fitted in using the hall clips to secure it. A final over-seal of lead mastic will complete the full embedment of lead back to the rear face of the box.



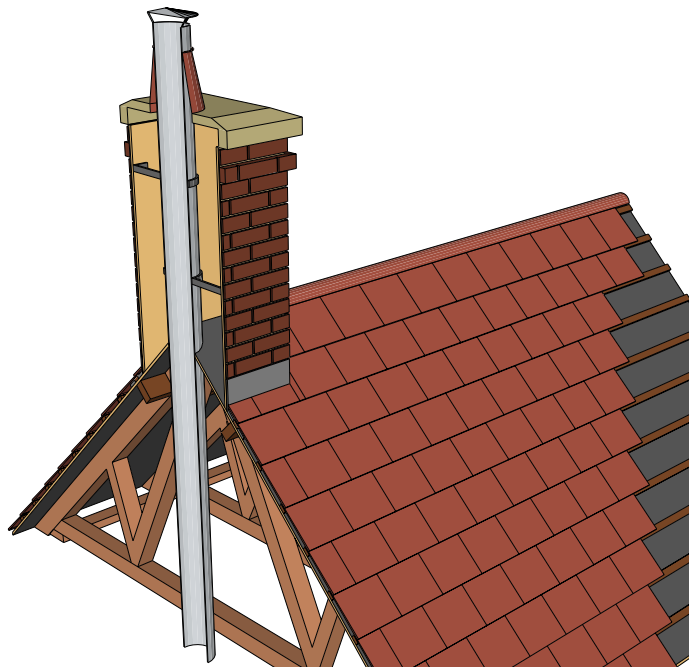
N.B. Do not nail the battens. Consideration should be given to the thickness of the tile battens which may need to be reduced to take into account the thickness of the GRP skirt.

8. Using sealant (Diagram 2), the lead flashing channel must be sealed all the way around the chimney before fitting the lead as shown (diagram 3). The lead flashing should be fitted according to the Lead Sheet Association then sealed all the way around again with sealant (diagram 4). **N.B. Sealant is provided as part of the fixing kit.**



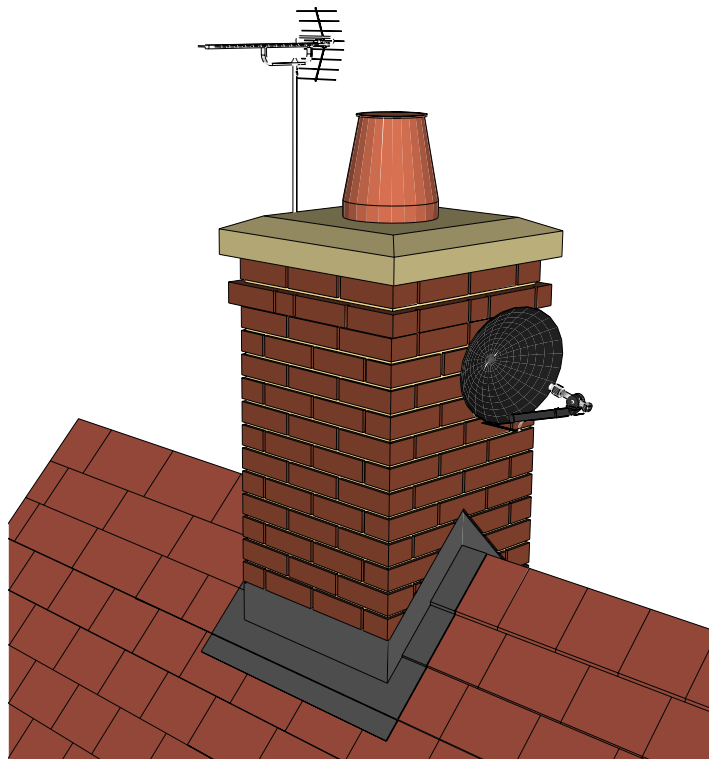
Please refrain from blocking the top of the lead channel with mastic as this will impede the brick slips. Failure to do so means the mastic will block the release of moisture from the slips above.

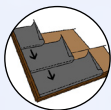
9. Our chimney stacks can accommodate either class 1 & 2 flue systems. Twin wall pipes can be preinstalled or fitted onsite. If you intend on using a flue your chimney will arrive as an open pot rather than a fully sealed closed pot. **Note:** Where flues penetrate the roof below the stack is a potential weak point for ingress of water and therefore consideration should be given to the detail required to avoid this. The use of a universal collar around the flue pipe at the point of penetration along with a weathering proof cowl to the top of the pot.



**N.B.** Careful consideration should also be given to the position of the stack and the flue to ensure the minimum angle of diversion of the pipes is maintained and that sufficient space is available to allow conjunction beneath the roof of the flue system.

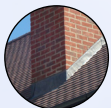
Under no circumstances should aerials, satellite dishes or any other items be secured to the outside of the stack by means of fixings through the waterproof GRP lined sub frame. Only the use of a suitable strap system would be acceptable.





#### Check List.

1. Have you got the additional three or four layers of felt under the stack and is it lapped correctly over the main roof felt?
2. Lifting points. Are the lifting points fully sealed using the mastic and bung we provided?
3. Flashing channel: has this been fully sealed or is the lead just tucked into the stack without the lead sealant behind it first and then re-sealed?
4. Consideration must be made for movement joints on the gable end chimneys. In particular when used on timber frame construction with potential differential movement between outer leaf masonry and roof structure with chimney connection.



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