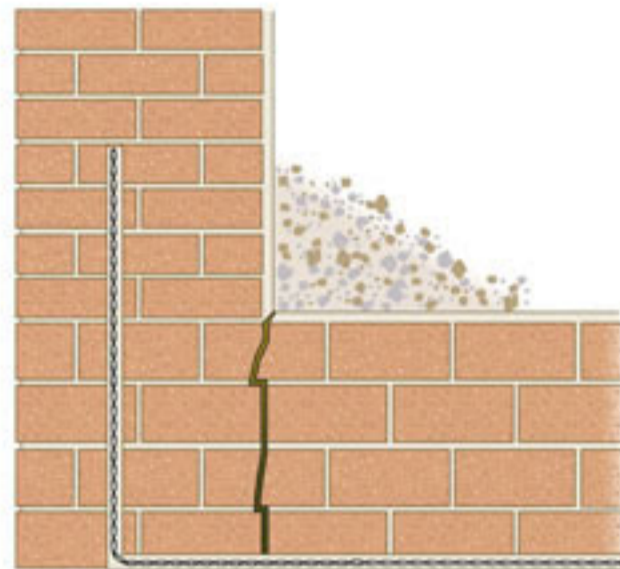


# Masonry Arch Soffit Crack Stitching using Thor Heliforce Bars

TMA  
05

## Method Statement

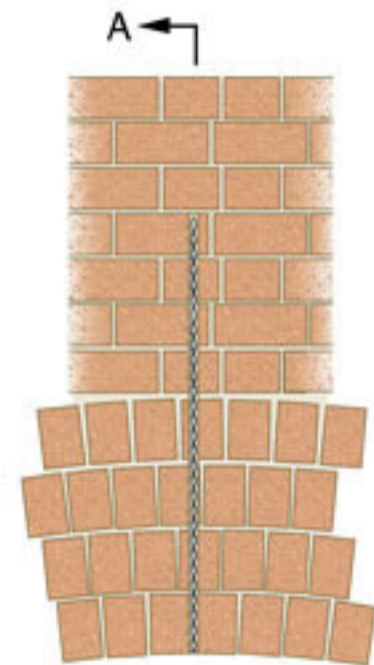
1. Use a twin bladed, diamond tipped wall chasing unit to cut out slots as required by the specification. For clean, dust free cutting use a vacuum attachment on the chasing unit. **Note.** When installing bar in a mortar bed joint ensure all the mortar is removed from the joint. Failure to do so will result in reduced effectiveness of the repair.
2. Drill 14mm clearance holes to required depth at the ends of the slots.
3. Clean out all dust from the holes and thoroughly flush with water. Use Thor Primer to seal the faces of the hole where substrate is very porous or water can't be used.
4. Attach the appropriate length of Grout Tie pinning nozzle to the grout gun.
5. Mix the Thor WHO Grout constituents together, as directed, in the bucket provided using a powered mixing paddle. Additional liquid should not be added.
6. Load the grout into the grout gun and pump grout to fill the nozzle.
7. Insert the nozzle to the full depth of the clearance hole and pump the grout to fill the hole. Maintain sufficient grouting pressure to ensure that all voids are filled with grout.
8. Inject a 10-15mm thick bead of grout into the back of the prepared slot.
9. Insert the pre-bent end of the Heliforce Bar into the grouted hole. Insert the remainder of the bar pushing it to the back of the slot to ensure full embedment in the grout.
10. Inject a further 10-15mm bead of grout and compress the grout and bar composite into the slot using a suitable finger trowel.
11. The grout should be finished approx. 10mm below the surface of the brickwork to allow the application of a colour matched mortar pointing to finish the repair.



Section A-A



Soffit Plan



Elevation

## SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. Finished depth of horizontal slot: 40mm
- B. Nominal spacing between crack stitches to be 450mm
- C. **Climatic Conditions.** In hot conditions Thor WHO 60 grout should be stored and mixed in the shade to maximize the working life of the mixed product. As Thor WHO 60 grout is a cementitious product it should not be used when the temperature is +4°C and falling.

## RECOMMENDED TOOLING

- A. Twin bladed diamond tipped wall chasing unit with vacuum attachment.
- B. 14mm dia. drill bit of appropriate length.
- C. Power mixing paddle.
- D. Thor Grout gun and injection nozzle.
- E. Suitable finger trowel for mortar finishing.
- F. Grout Tie pinning nozzle of appropriate length.
- G. 2.5kg SDS hammer drill

## General Notes

These notes are for general use only. Should these notes not apply to your specific project, please consult the Thor Helical Remedial Technical Support Team on 0870 6006164. Thor Helical Remedial are able to offer a full project design service by either our in house design team or our National network of Approved installers. In most instances this service is provided free of charge. Projects completed by our network of approved installers offer the benefit of a fully underwritten insurance backed guarantee.