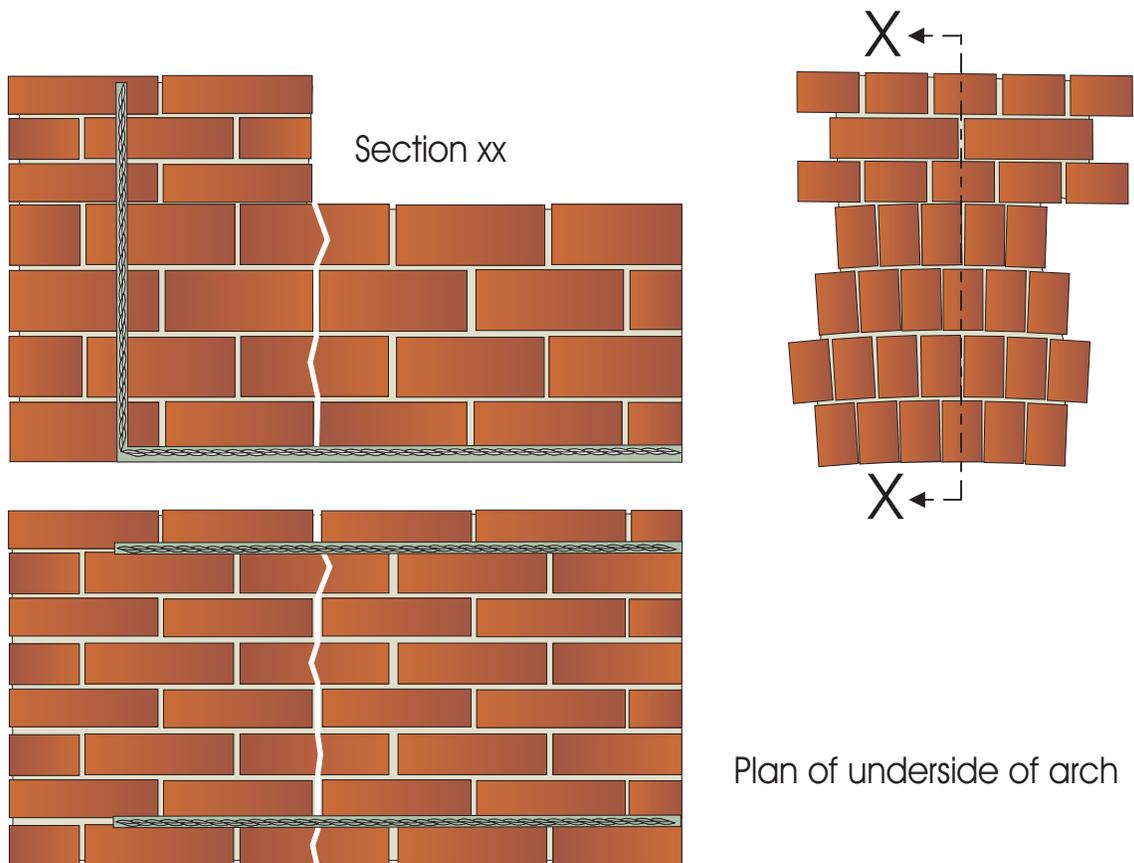


Repairing Brick Arch Structures, Brick Arch Reinforcement



- (1) Cut out 10mm wide slots in bed joints to underside of arch to specified depth and at required spacings.
- (2) Drill clearance holes (12mm-16mm diameter depending upon length of tie to be used) to required depth at ends of slots.
- (3) Blow out holes and thoroughly flush with water.
- (4) With the aid of a grout gun and correct length of nozzle, pump Cemspand cementitious grout until nozzle is full. Insert nozzle to the full depth of drilled hole and pump grout to fill hole. Allow the back pressure to push nozzle out while filling or voids with grout.
- (5) After changing nozzle insert a 10mm bead of Cemspand cementitious grout into the back of the slot.
- (6) Bend Tri-bar to correct length and shape and insert end of Tri-bar into full depth of the hole. Then push remainder of Tri-bar into bead of grout in slot to obtain good coverage.
- (7) Insert a final 10mm bead of Cemspand cementitious grout over the exposed rod and iron into slot using a finger trowel.
- (8) When Cemspand has set repoint joints.

Installation Notes: Unless specified otherwise the following criteria are to be used.

- a) The depth of slot to be 45mm.
- b) Normal spacing between Tri-bars to be 450mm.
- c) Tri-Bars are to extend a minimum of 500mm either side of the crack. If this is not possible then ends of each Tri-bar to be bent and grouted into the brickwork.