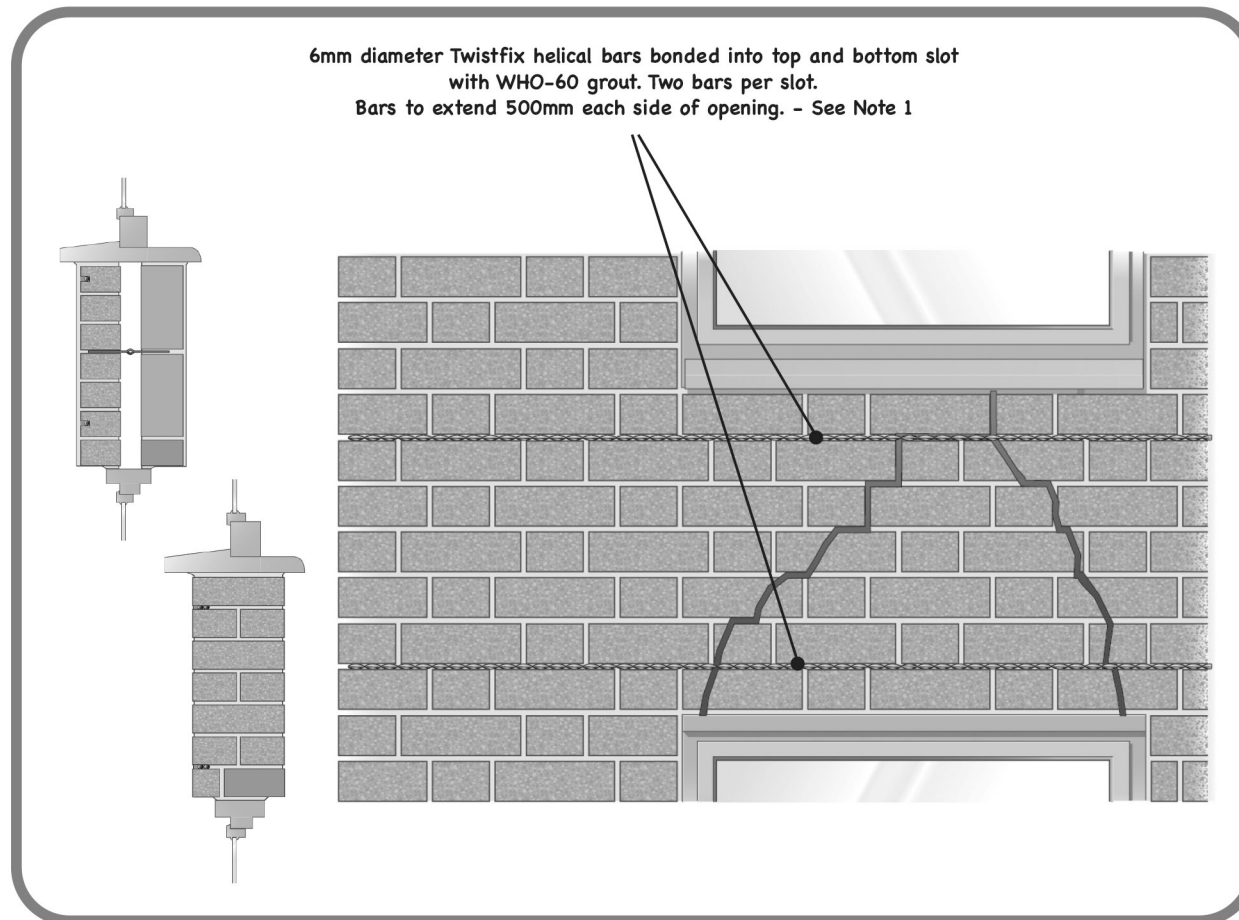


# Brick Beam Lintel Repair System



## METHOD STATEMENTS & NOTES

1. Remove section of mortar to full height in two separate bed joints. Flush with clean water and bond a pair of 6mm Twistfix helical bars, 10mm apart, into each slot using WHO-60 grout. Make good to match existing.

Depth of the slots should be 40mm on a half brick single leaf and 55mm on a full brick solid leaf. Treat thicker walls from both sides.

Ratio between span of opening and distance between top and bottom reinforcement should not exceed 7:1

## REINFORCEMENT SPECIFICATION

- Material: 304 Series Stainless Steel
- Ult. Tensile Strength: 1025-1225N/mm<sup>2</sup>
- Nominal CSA: 6mm Bar = 8mm<sup>2</sup>

## GROUT SPECIFICATION AT 28 DAYS

- Compressive Strength: 55N/mm<sup>2</sup>
- Tensile Strength: 5N/mm<sup>2</sup>
- Flexural Strength: 12N/mm<sup>2</sup>
- Youngs Modulus: 13N/mm<sup>2</sup>

Engineers, surveyors and contractors should refer to BRE Good Building Guide 62 and the BRE Load Tables for retrofit masonry beams formed by Twistfix helical bars set in WHO-60 grout.