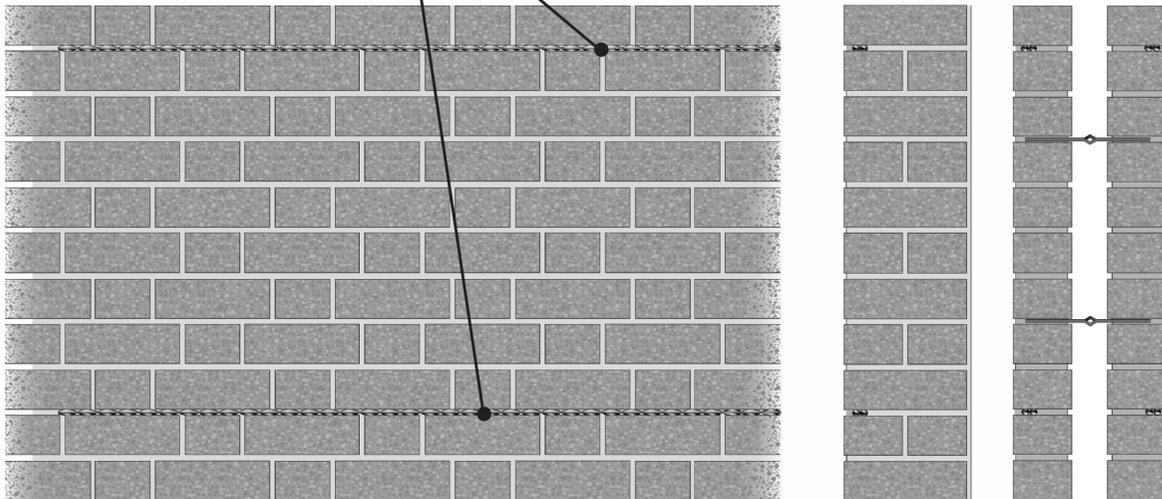


# Brick Reinforcement Beam



6mm diameter Twistfix helical bars bonded into top and bottom slot with WHO-60 grout. Two bars per slot.



## 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 joint 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 any opening being traversed by the beam and distance between top and bottom reinforcement should not exceed 7:1

## REINFORCEMENT SPECIFICATION

- Material: 304 Series Stainless
- Ult. Tensile Strength: Steel 1025-1225N/m<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.