



## DATA SHEET

### TIE-IN WALL CONNECTOR KIT

#### DESCRIPTION, ADVANTAGES & APPLICATION

A fast and economic way of joining new to existing brickwork without cutting out. For all internal and external applications (extensions, conversions & new build) from 60mm to 250mm wide and up to 8m (3 storeys) high. This quality engineered wall connector system provides lateral support to a height of 2.4m (8ft) for single skin masonry wall panels.

#### CONTENTS & PACKAGING

Each kit is packed in a polythene bag and includes the following:-

- 2x Wall Connector Channel, 1200 x 20 x 0.6mm, stainless steel grade 430/2b
- 10x Wall Ties, "twist & lock", 90 x 30 x 0.6mm, stainless steel grade 430/2b
- 5x DIN571 Coachscrews, M6 x 50mm, stainless steel grade 430/2b
- 5x Plain Washers, M6, stainless steel grade 430/2b
- 5x Masonry Plugs, M6 x 10 x 44mm
- 1x Instruction Leaflet (rear of header card)

**PLEASE NOTE: An M10 Masonry Drill will be required and is NOT included**

Stainless Steel - grade 430/2b	Proof Stress	Tensile Strength	Elongation
	MPa	MPa	%
Specification (Min)	205	450	20%
Typical Values	325	515	28%

Grade 430/2b stainless steel (Cold rolled, skin passed) is used in applications where the corrosion environment is only mildly aggressive where it provides long lasting corrosion resistance and service life.

#### DIRECTIONS

1. Prepare existing walls by removing any rendered or pebble dashed finish to ensure the wall connector has direct contact with existing masonry.
2. Offer the lower section of the wall connector channel to the existing wall at the centre point of the new masonry.
3. Plumb the lower connector channel marking the position of the fixing holes which should be equally spaced to avoid mortar joints.
4. Drill and plug the existing masonry.
5. Lightly clamp the lower section at the two lower fixing points using the coachscrews and washers provided.
6. Slot the upper section of the wall connector into the lower section.
7. Drill and plug the remaining fixing points into the existing masonry.
8. Lightly clamp the upper section at the two upper fixing points and the one overlap fixing point using the coachscrews and washers provided.
9. Align both connectors and tighten all coachscrews being careful not to over tighten.
10. Lay brick or block work for the new wall in the conventional way leaving a full vertical mortar joint between the new and existing walls.
11. Install wall starter ties into the wall starter channel by twisting and sliding into position at 300mm centres. The ties should be completely surrounded with mortar.

#### PLEASE NOTE

1. In cavity wall construction, each leaf will require a wall connector kit.
2. For external walls proceed as per fixing instructions, but ensure the bottom edge of the wall connector channel is above the damp proof course. The vertical joint between the existing wall and the new walls must be weather sealed.

This data sheet is valid until there is a significant change in the product and characteristics

Signed By:

Name:

*Richard Dunn*

Position: *Managing Director*

Date:

*21 September 2017*