

Stainless Steel Universal Wall Starter

The BPC wall starter kit is a fully adjustable sliding wall tie system, designed to suit masonry walls 60 -250mm wide, providing restraint in extension and conversion applications. Suitable for use in internal and external wall construction. Wall ties twist and slide to any position on the wall connector plate. Slots at the end of each profile allows easy connection of one length to the next.



Each kit comprises;

- 2 x 1185mm profiles designed to be overlapped
- 10 twist and slide wall ties
- 5 Coach screws to secure profile to existing wall
- Wall plugs
- Washers

Material Specification

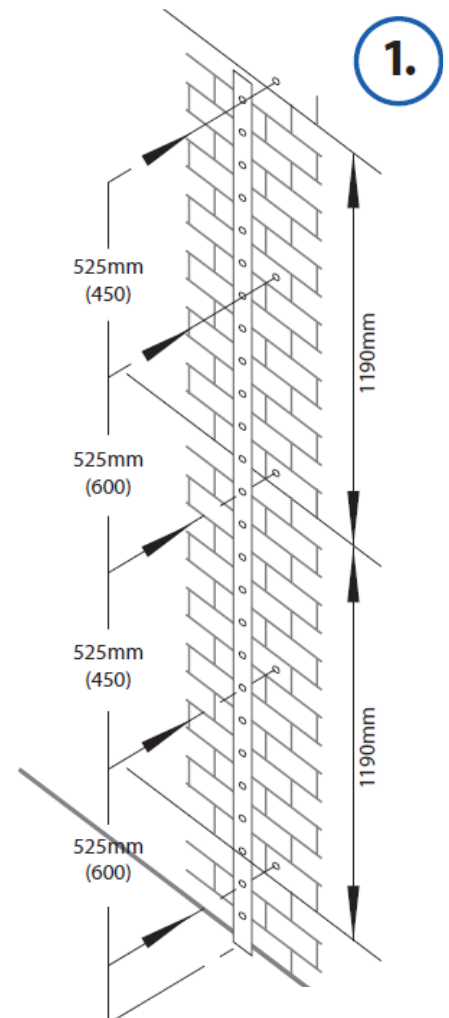
Manufactured from Stainless Steel to BS EN10088 as standard.

Dimensions and Load Data

2 x 40mm x 1185mm profiles complete with 8mm x 25mm slots.
Load bearing capacity 6kN per 1185mm profile.

Installation

1. Prepare existing wall by removing any rendered or pebble dashed finishing to ensure that the wall connector is fixed directly to the masonry.
2. Offer the lower connector to the existing wall, at the centre of the new wall, ensuring that the fixing positions avoid mortar joints (**see Fig.1**). Plumb the connector and mark the positions of the fixing holes. If necessary, use the alternative fixing positions (i.e. 450 and 600mm).
3. Drill and plug the existing masonry, using a 10mm masonry drill.
4. Lightly clamp the lower connector to the masonry at the two lower fixing positions only, using the coach screws and washers provided.



Installation (Continued)

5. Slot the second connector into the lower connector so that both end fixing slots overlap (see Fig. 2). If required, reduce the connector length by cutting one end only. Repeat steps 3, 4 and 5 for the lower section.

6. Align both connectors and tighten all coach screws. Do not overtighten.

7. Lay brickwork or blockwork for the new wall in the conventional way, with a full mortar joint between the existing and the new walls. Install wall connector ties into the wall connector by twisting and sliding into position (see Fig. 3). The ties should be bedded onto the mortar at a maximum of 300mm centres and another bed applied over the top (see Fig. 4). The ties should be completely surrounded with mortar.



Cavity Walls:

In cavity wall construction, each leaf requires a wall connector.

External Walls:

Proceed as before, but ensure that the bottom edge of the wall connector is above the damp-proof course. The vertical joint between the existing wall and the outer leaf of the new wall has to be weather-sealed, either by:

- (i) The perpendicular junction should be sealed with a pre-compressed sealing strip or polymer-based pointing
- OR
- (ii) A pre-compressed sealing strip or polymer-based pointing behind the wall connector.

When more than 2 connectors are used (i.e. for heights exceeding 2.4m), slot additional connectors into the lower connectors and continue the procedures.



NOTE: In line with Building Regulations, reference should be made to your local Authority since additional weather proofing may be required, e.g. vertical damp proof course cut into the existing wall.