

Product

REDiBOX® PRF-STD



Use with

- RVK 101, RVK 60P
- TSS 41, TSS 60P, TSS 101, TSS 102
- DTS 120, DTS 150



About Invisible Connections

We are the specialists in hidden structural connections for precast and in situ construction. Our range of telescopic connectors are purpose-designed to overcome the challenges of traditional construction and have multiple applications. We are also the manufacturers of FERBOX® bespoke reinforcement continuity strip.

All our products meet industry demands for improved safety, construction efficiency and cost competitiveness.

Invisible Connections Ltd

Unit 6, Thame Forty  
Jane Morbey Road  
Thame, Oxfordshire OX9 3RR  
+44 (0)1844 266000

sales@invisibleconnections.co.uk  
invisibleconnections.co.uk

# Concrete Wall Permanent Recess Formers

## REDiBOX® PRF-STD (Standard Version)

Purpose-designed 'left-in' components to simply and easily form recesses in precast or in situ concrete walls, avoiding the need to 'dig out' polystyrene or timber. Fully sealed and sized to complement the sliding inner sections of TSS, RVK and DTS telescopic connectors (all load ranges), prior to receiving cementitious grout-fill.

The REDiBOX standard version is suitable when the landing can be fixed on three sides. Use in combination with all 'STD' version telescopic connectors. Connector and recess former are concealed entirely within the floor.

- Quicker and simpler to install than polystyrene or timber box-outs
- Suitable for all concrete wall construction techniques (slip-form, jump-form, traditional or precast)
- Accommodates different floor shapes and connector layouts.

Product features

- Provides generous tolerance for installation of stair landings: +/-35mm vertically, +/-40 horizontally
- Recess fits within the depth of the floor so that the connection is hidden and clean architectural lines can be achieved
- Heavily ribbed outer to anchor it into the concrete wall and maintain shape under pour pressure
- Integral lugs provide ample fixing points to tie-wire the unit to the wall reinforcement (ideal for slipforms)
- Detachable face-plate can be nailed to timber moulds or shutters (traditional formwork, jumpform, precast)
- Unit is fully sealed by the face plate to prevent concrete ingress during pour
- Once wall is poured, the face plate is designed to be easily removed with a claw hammer, revealing the clear recess
- Manufactured from durable, recyclable HDPE.

Description

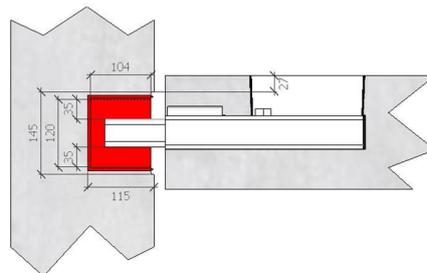
REDiBOX is supplied exactly as shown (top left).

As an alternative to tie-wiring directly to the wall reinforcement, the entire unit can be secured into position using loose 'trapping bars' (not supplied) which in turn are wired back to the main wall reinforcement.

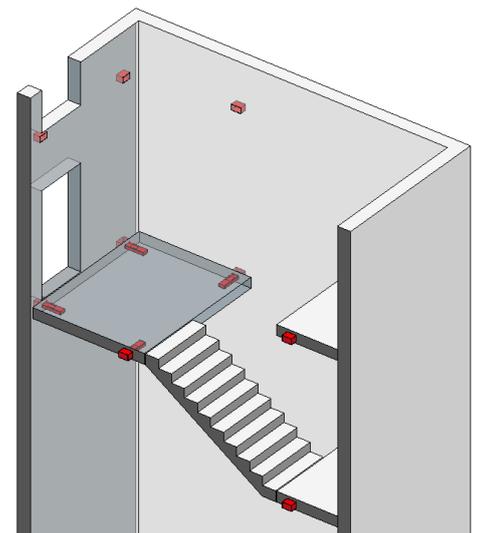
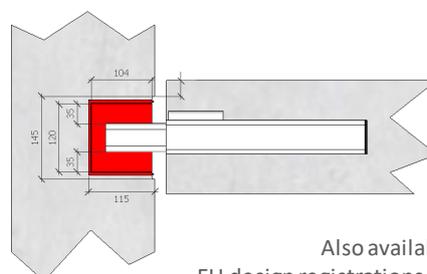
Dimensions and setting-out guidance

- Resultant recess measures (internally) 180mm wide x 120mm high x 104mm deep.
- Setting-out in the wall should be from the top edge of the face-plate which, if an RVK 101 connector is specified, should be 27mm below the top of the landing. If a TSS connector is specified, the setting-out is project-specific, due to the variable depth of the TSS connector within the slab.

Setting-out to suit RVK telescopic connectors



Setting-out to suit TSS telescopic connectors



Also available: REDiBOX Type PIN (to suit tied-wall applications)  
EU design registrations 004073187-0001/0002 & 004670107-0001/0002/0003