



Product Info

ICL/RED/PIN/INFO/02/0222

Product

REDiBOX® PRF-PIN



Use with

- TSS 81-30
- RVK 101-30



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.

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# Concrete Wall Permanent Recess Formers

## REDiBOX® PRF-PIN (Pinned 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 and RVK Stair Landing Connectors (all load ranges), prior to receiving cementitious grout-fill.

The REDiBOX pinned version is especially suitable when the landing can only be fixed on two ends. Use in combination with all 'PIN' version telescopic connectors.

- 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)
- Incorporates tie-pin to provide robustness compliance when used in conjunction with pinned connectors
- Accommodates different floor shapes and connector layouts.

Product features

- Provides generous tolerance for installation of stair landings: +30/-10mm vertically, +/-40 horizontally
- 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.

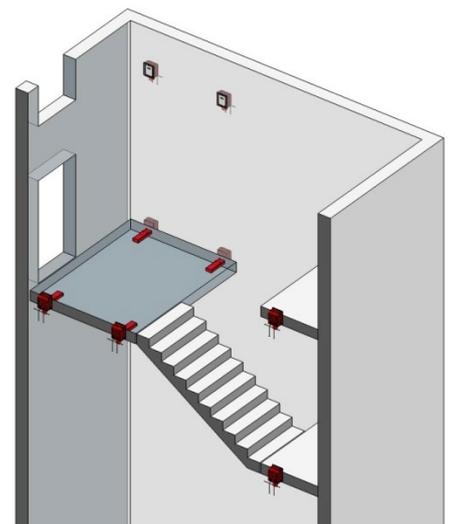
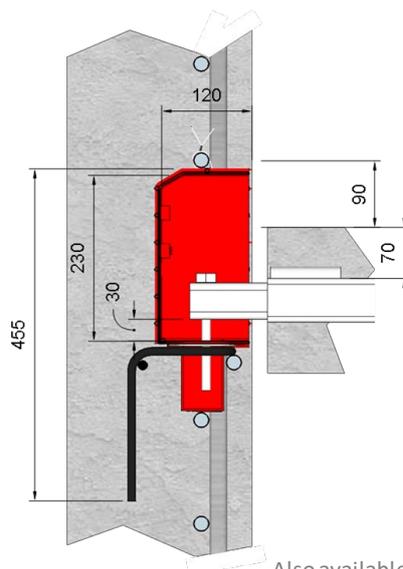
Description

REDiBOX is supplied exactly as shown (top left image) including the 3D restraint U-bar with wire-tied crossbar. The white rebar tie-pin is conveniently housed inside the back of the recess former. Easily accessible, the tie-pin is positioned through the holes in the connector to provide axial capacity to 30kN.

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 230mm high x 120mm deep
- Setting-out in the wall should be from the top edge of the face-plate, which should be 90mm above the top of the precast landing (without finishes).



Also available: REDiBOX Type STD (to suit non-pinned applications)  
EU design registrations 004073187-0001/0002 & 004670107-0001/0002/0003