

# FRAME FIX

## FEATURES AND BENEFITS

**STRONG:** Stiffens the top plate for areas in the region of the penetrations

**EASY:** Quick installation to top plate by using Pryda self-drilling screws

**VERSATILE:** Suitable for both single & double top plates (35mm or 45mm). Can be installed before or after service pipe penetration

## SPECIFICATIONS

STEEL	G200
THICKNESS	1.55mm
CORROSION RESISTANCE	Z275
DIMENSIONS	240 x 34 x 31mm Hole Diameter 60mm max

## FASTENERS REQUIRED

SINGLE TOP PLATE	Pryda 12Gx35mm Timber Connector Screw
DOUBLE TOP PLATES	Pryda 12Gx35mm Timber Connector Screw

Reinforces a top plate containing penetrations for services or ventilation pipes.

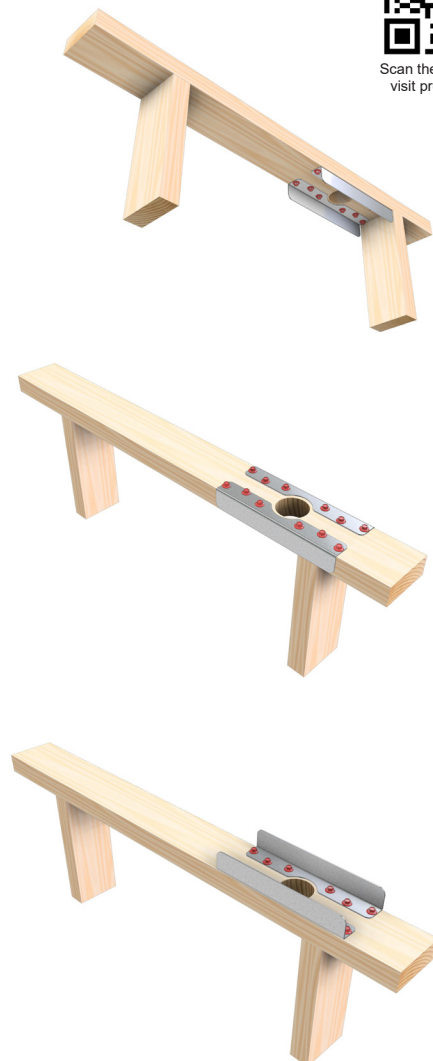


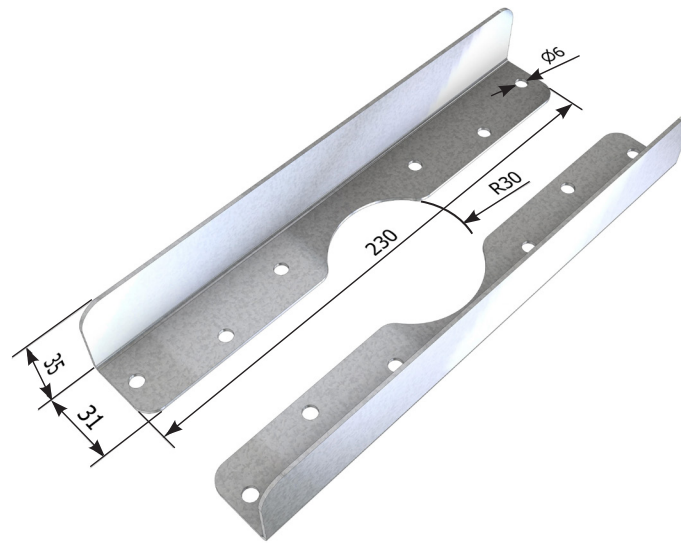
### AS1684 & AS1720 COMPLIANT

- Minimum Z275 Galvanised Steel
- Design values tested in accordance with AS1649



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## RANGE

PRODUCT CODE	MATERIAL	SIZE	MINIMUM TIMBER GRADE	SUITABILITY	QUANTITY
PFF2	G200 Z275 Galvanised Steel	240mm x 34mm x 31mm	MPG10	Top Plate	10

\*Suitable for single or double 90x35mm and 90x45mm MGP10 top plates only.

## SCOPE OF USE

Pryda Frame Fix is suitable for Residential light timber frame dwellings designed in accordance with AS1684.

The Frame Fix must be used in accordance with the installation procedures outlined in this document to provide structural support to 90x35 and 90x45 MGP10 single or double top plates for a centrally located hole of max 60mm diameter

The Frame Fix is suitable for use on 90mm wide frames ONLY.

Only 1 Frame Fix is to be installed between a set of studs – multiple penetrations are not permitted.

Any further penetrations should skip at least 1 bay of studs from the existing location.

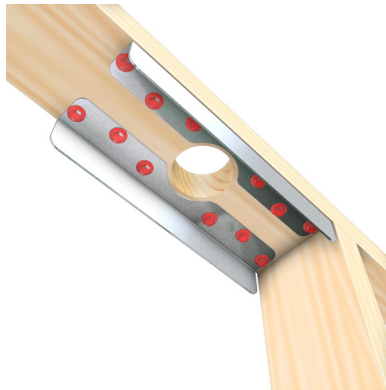
If the Frame Fix is installed in accordance with this document, then the top plates in the section that the Frame Fix is installed, can be considered structurally adequate if the top plates were originally designed in accordance with AS1720.3 or AS1684 span tables.

The Frame Fix must not be modified in any way, shape or form under any circumstances or conditions.

Note: There should be no large point loads (e.g., from girder trusses, floor beams, etc) in the top plate sections containing the Frame Fix, or penetrations in general - typically large point loaded elements should be supported directly by studs. The Frame Fix is to be installed on continuous top plates and not over or adjacent to any splice joint.

## INSTALLATION

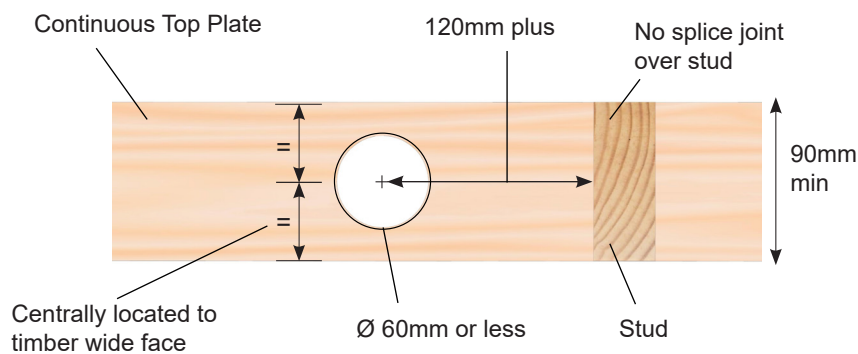
Fixing to underside of top plate where centre of hole is at least 120mm from the nearest stud.



### STEP 1

Measure and mark the location on the top plate to be reinforced, ensuring the centre of the hole is no closer than 120mm from the face of the stud. Holes within 120mm of the stud can be reinforced by installing Frame Fix on the top face (see following section). Hole size should be no greater than 60mm diameter and must be centrally located within the 90mm plate width. The Frame Fix can be installed before or after the hole is drilled.

**Important Note:** Ensure there are no timber defects (i.e., knots, wane, want, resin pockets) within 100mm of the Frame Fix or hole location.



### STEP 2

Drill a hole through the timber to the required diameter at the marked location.



### STEP 3

Place the Frame Fix centrally over the hole. The vertical flange should be flush with the edge of the frame. Fix into place using 12 x Pryda 12Gx35mm red hex head screws. The Frame Fix must always be installed in pairs.

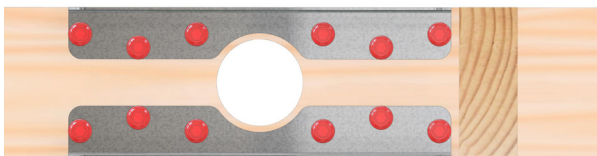
For double top plates, insert an additional 2 x No.14 Hex Head screw, 70mm from the edge of the hole on both sides. Use 14gx65mm screws for double 35mm top plates, or 14gx90mm screws for double 45mm top plates.

Note: the additional screw can be omitted if there is already a wall plate tie-down screw installed on that side of the hole.

Double top plates are assumed to be laminated in accordance with AS1684 or to the Project Engineer's requirements; do not rely on the Frame Fix for this purpose. Top plate(s) are designed in accordance with AS1720.3 or AS1684 span tables.

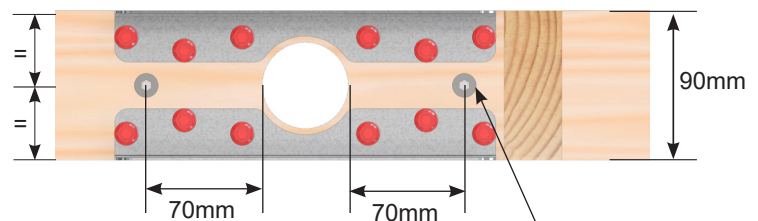
#### SINGLE TOP PLATE INSTALL

Pryda 12Gx35mm red hex head screws

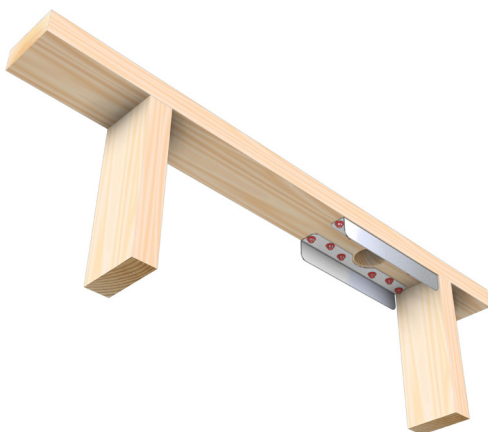


#### DOUBLE TOP PLATES INSTALL

Pryda 12Gx35mm red hex head screws plus 2x No.14-gauge screws to suit double plates depth



No.14 screw to suit double top plates overall depth. One on each side of hole is required. Unless an existing top plate to stud tie-down screw is in place. If so, one No.14 screw is required.



## INSTALLATION

Fixing to top side of top plate where service hole edge is no closer than 45mm from the stud.

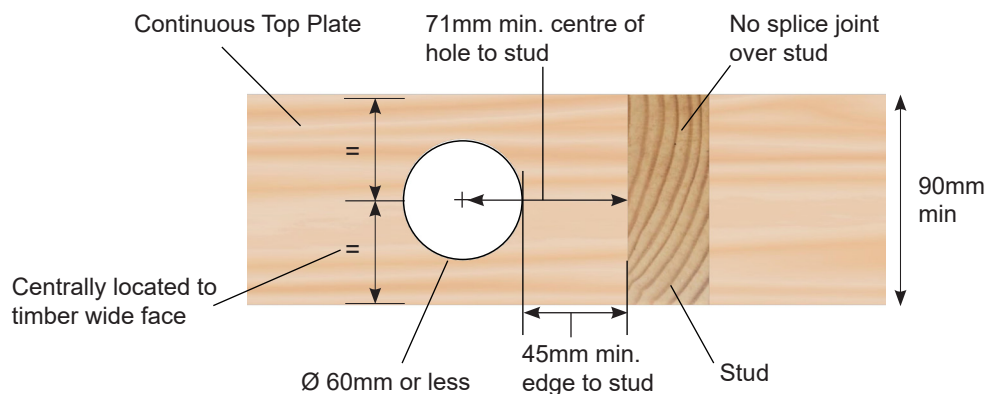


\*Single top plate option shown with 2 orientations.

### STEP 1

Measure and mark the location on the top plate to be reinforced, ensuring the centre of the hole is no closer than 120mm from the face of the stud. Holes within 120mm of the stud can be reinforced by installing the Frame Fix on the top face (see following section). Hole size should be no greater than 60mm diameter and must be centrally located within the 90mm plate width. The Frame Fix can be installed before or after the hole is drilled.

**Important Note:** Ensure there are no timber defects (i.e., knots, wane, want, resin pockets) within 100mm of the Frame Fix or hole location.



### STEP 2

Drill a hole through the timber to the required diameter at the marked location.



### STEP 3

Place the Frame Fix centrally over the hole. The vertical flange should be flush with the edge of the frame. Fix into place using 12 x Pryda 12Gx35mm red hex head screws. The Frame Fix must always be installed in pairs.

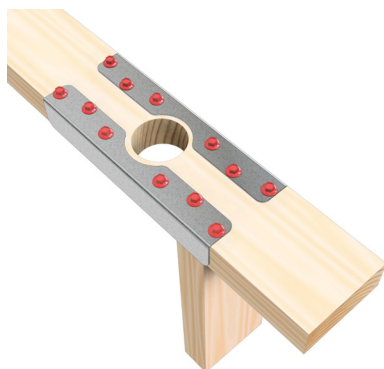
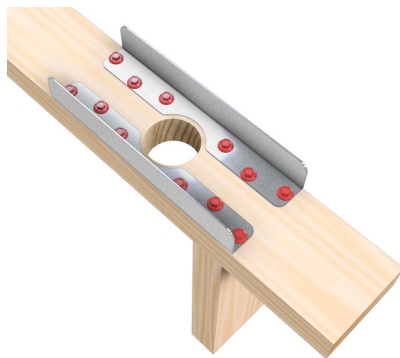
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Note: the additional screw can be omitted if there is already a wall plate tie-down screw installed on that side of the hole.

Double top plates are assumed to be laminated in accordance with AS1684 or to the Project Engineer's requirements; do not rely on The Frame Fix for this purpose. Top plate(s) are designed in accordance with AS1720.3 or AS1684 span tables.

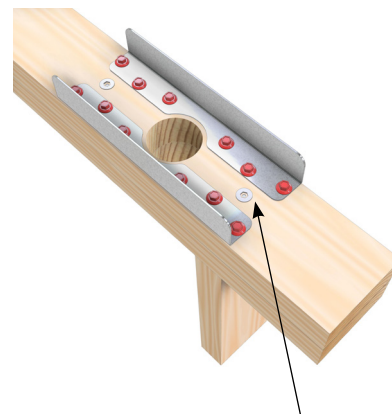
#### SINGLE TOP PLATE INSTALL

Pryda 12Gx35mm red hex head screws

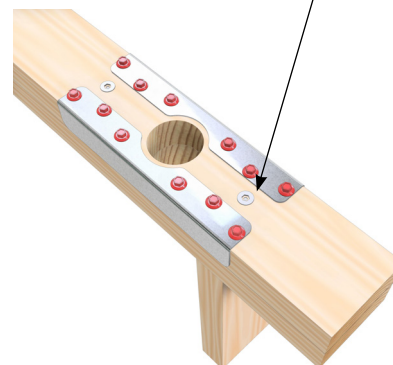


#### DOUBLE TOP PLATES INSTALL

Pryda 12Gx35mm red hex head screws plus 2x No.14-gauge screws to suit double plates depth



No.14 screw to suit double top plates overall depth. One on each side of hole is required. Unless an existing top plate to stud tie-down screw is in place. If so, one No.14 screw is required.



The overlapping plate edge may interfere with wall cladding. Notching the top plate for a flush finish is NOT RECOMMENDED. It is the builder's responsibility to adopt an appropriate installation orientation to best suit the requirements of the build. Top plate must be continuous and no splice joint over stud.

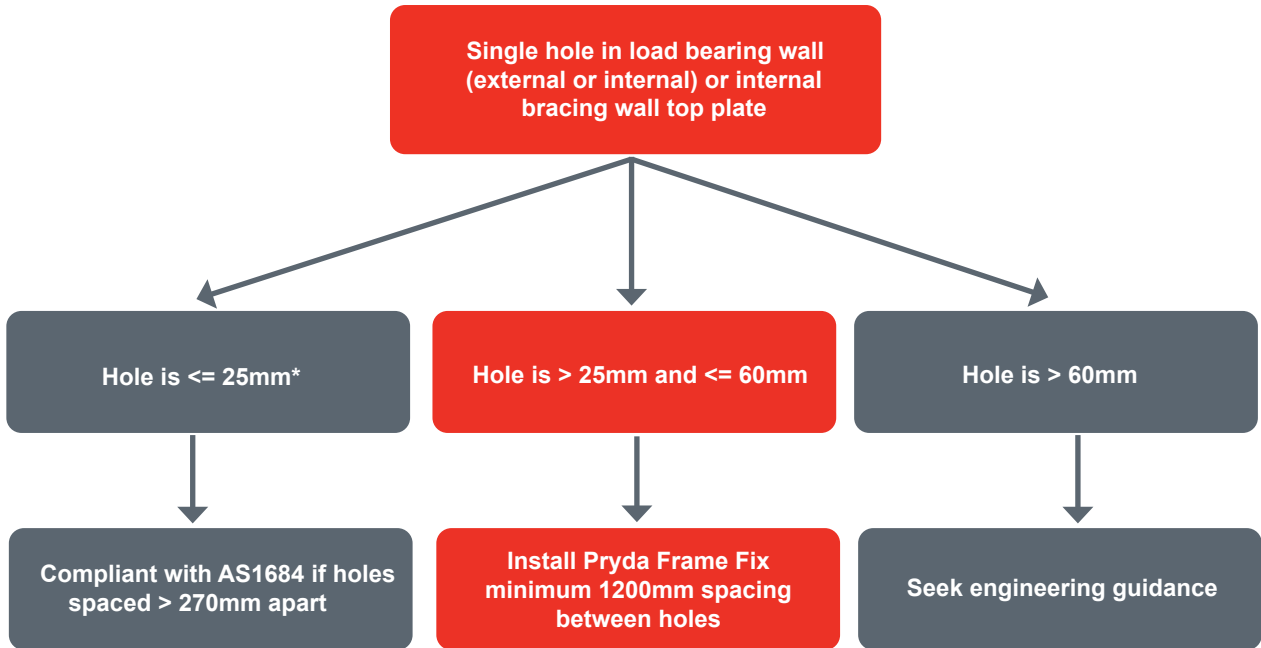
## DURABILITY

Prior to use, the Frame Fix is to be stored in a weatherproof environment and protected from moisture.

The Frame Fix is to be installed internally in areas within the building envelope that are kept permanently dry.

## PRYDA FRAME FIX DECISION TREE

90x35mm, 90x45mm, single or double MGP10 top plates



### Notes:

1. This flowchart ONLY applies to single holes that are drilled centrally across the wide face in 90mm top plates and are not in the proximity of any timber defects (such as knots, other holes, resin pocket or excessive wane or want).
2. Internal non-load bearing walls can follow the same flowchart except where marked with an \* in which case the hole size can be up to 50mm spaced at 1800mm centres and will comply with AS1684.