

Technical Sheet

SIMPSON

Strong-Tie

PPRC

Adjustable Post Base

The PPRC allows the structure to be adjusted after it has been built.

Adjust the off the ground height from 100 to 150mm even after the post has been installed.

Suitable for posts 100x100mm to 200x200mm

Features

Material

- dichromate coated galvanised mild steel.

Benefits

- PPRC can be adjusted after the installation.
- Does not require machining.

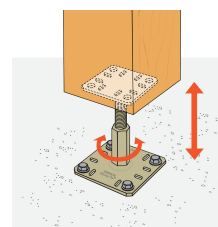
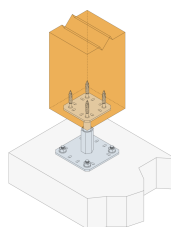
Applications

Suitable On

- **Supporting member:** solid wood, glued-laminated wood, concrete.
- **Supported member:** solid wood, composite lumber, glued-laminated wood.

Applications

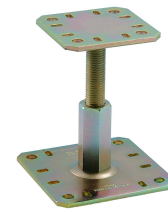
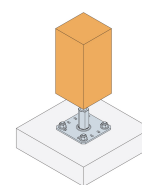
- Awning posts.
- Pergola.
- Veranda.



PPRC fixed to rigid support



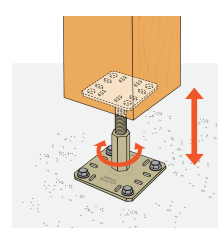
PPRC



Pieds de poteau réglables PPRC



PPRC

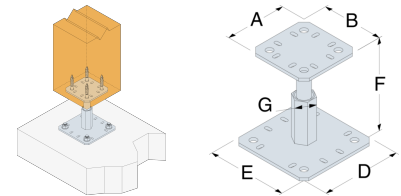


PPRC fixed to rigid support

PPRC Adjustable Post Base

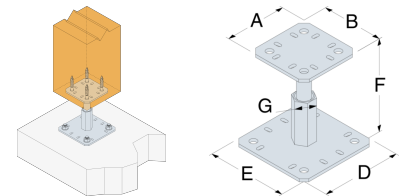
Technical Data

Product Dimensions



Reference	Connector Dimensions												
	Post	Product Dimensions[mm]							Joist		Holes Flange C		Other
	Size[mm]	A[mm]	B[mm]	D[mm]	E[mm]	F[mm]	G[mm]	t[mm]	Round	Obround	Round	Obround	Weight[kg]
									Ø12	Slots Ø6x12	Ø12	Slots Ø6x12	
PPRC	100x100 to 200x200	100	100	130	130	100 - 150	30	5	4	8	4	8	1.4

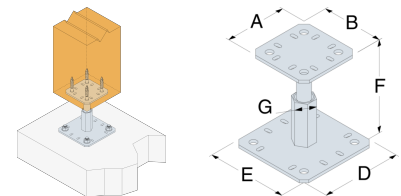
Characteristic capacities- Timber to Concrete



Reference	Post base capacity				
	Product capacities - Timber to Concrete[kN]				
	Number of Fasteners			Characteristic capacities - Timber C24[kN]	
	On post		On concrete		R _{1,k}
	Qty	Type	Qty	Type	
PPRC	4	Ø10	4.0	Ø10*	51.1 / kmod^0.5

* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances.

Characteristic Capacites - Timber to Concrete



Reference	Post base capacity				
	Simplified product capacities - Timber to Concrete				
	Number of Fasteners			Simplified characteristic capacities - Timber C24[kN]	
	On post		On concrete		R _{1,k} **
	Qty	Type	Qty	Type	
PPRC	4	Ø10	4.0	Ø10*	57.1

* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are SET-XP and AT-HP, depending on the concrete type, spacing and edge distances.

**The published characteristic capacity is based on medium term load duration and service class 2 according to EC5 (EN 1995). For other load duration and service class, please refer to the ETA to get more accurate capacities.

PPRC Adjustable Post Base

Installation

Installation

Timber install

1. Place post in Post base
2. Sit timber onto the post bases, and nail in the required nails into the side of the post through the holes provided

Fixing

Fixing Installation to Concrete

Mechanical Fixing

SST Recommended Fixings: FM753 3DG – M10x75 (code 75320c10075)

Recommended Concrete Pad Size: 300mm Wide x 300mm Long x 300mm Deep (see illustration below)

Recommended Concrete Grade: C25 (mixing ratio of 1:1.5:3 (Cement:Sharp Sand:Aggregate) with typically 0.5 water-cement ratio)

Installation Instructions:

1. Position the post-base centrally on the concrete pad.
2. Identify and mark out the position for the anchors.
3. Drill holes perpendicular to the concrete surface, Ø10 x 70mm deep.
4. Clean the dust from the holes 3 times using a brush, pump or vacuum. This is a crucial step.
5. Reposition the post base and insert the anchors (tap gently with a hammer if needed) and use a torque wrench to tighten to the recommended installation torque of 50Nm

Resin Fixing

SST Recommended Fixings: LMAS M10x110 (code LMAS1016085010)

SST Recommended Resin: ATHP

Recommended Concrete Pad Size: 300mm Wide x 300mm Long x 300mm Deep (see illustration below)

Recommended Concrete Grade: C25 (mixing ratio of 1:1.5:3 (Cement:Sharp Sand:Aggregate) with typically 0.5 water-cement ratio)

Installation Instructions:

1. Position the post-base centrally on the concrete pad.
2. Identify and mark out the position for the anchors.
3. Drill holes perpendicular to the concrete surface, Ø12 x 85mm deep.
4. Clean the dust from the holes 3 times using a brush, pump or vacuum. This is a crucial step.
5. Add Resin using dispenser and fill the hole half-way
6. Remove nut and washer from anchors, then Insert the anchors carefully into the holes
7. Once resin has hardened (check for a change in colour) reposition the post base over the top of the anchors, after carefully cleaning excess resin from the area
8. Use a torque wrench to tighten to the recommended installation torque of 50Nm

PLEASE NOTE – Anchor performance will only be valid when using Simpson AT-HP Resin

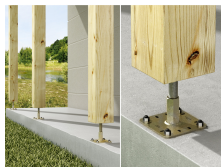
Technical Sheet

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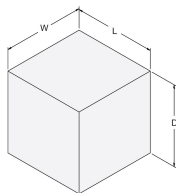
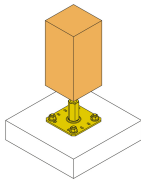
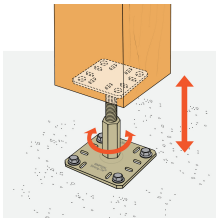
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