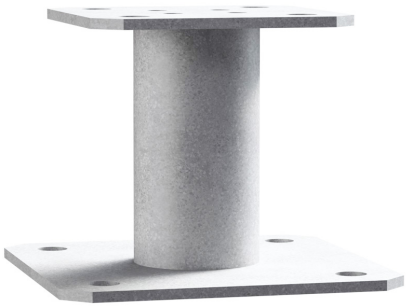
Technical Sheet

PPA

Elevated Post Base with 100mm Stand Off

The PPA is for post base installations requiring a higher standoff distance.



Features

Material

- Steel S235JR according to NF EN 10025
- Hotdip galvanized according to NF EN ISO 1461

Benefits

- No machining necessary

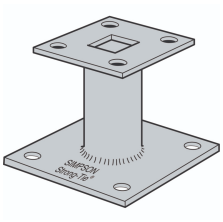
Applications

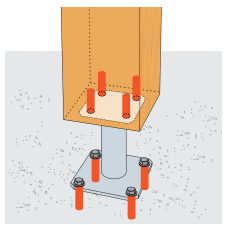
Header member

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

Applications

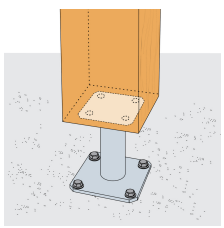
- Awning posts
- Pergola
- Veranda
- Porch-ways
- Car-ports

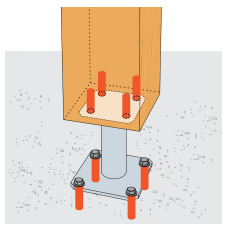




Fixations utilisées pour pied de poteau type PPA







Fixations utilisées pour pied de poteau type PPA



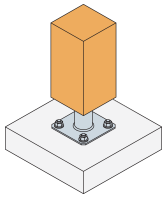
Technical Sheet

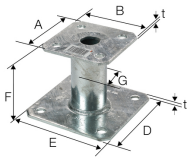
PPA

Elevated Post Base with 100mm Stand Off

Technical Data

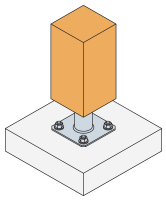
Product Dimensions

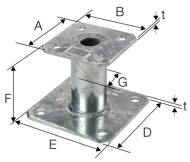




Reference	Connector Dimensions									
	Product Dimensions[mm]							Top plate holes	Bottom plate holes	Other
	A[mm]	B[mm]	D[mm]	E[mm]	F[mm]	G[mm]	t[mm]	Round Ø12[mm]	Round Ø12[mm]	Weight[kg]
PPA100	100	100	130	130	100	48.3	4	4	4	1.1
PPA150	100	100	130	130	150	48.3	4	4	4	1.3

Product characteristic capacities

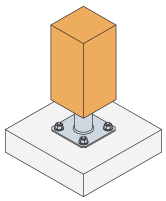


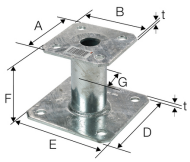


Reference	Post base capacity				
	Product capacities - Timber to Concrete				
	Number of Fasteners				Characteristic capacities - Timber C24[kN]
	On post		On concrete		$R_{1,k}$
	Qty	Type	Qty	Type	
PPA100	4	Ø10x80	4.0	Ø10*	78.5 / kmod^0.4
PPA150	4	Ø10x80	4.0	Ø10*	78.5 / kmod^0.4

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

Product simplified characteristic capacities





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	
PPA100	4.0	Ø10x80	4.0	Ø10**	93.2
PPA150	4.0	Ø10x80	4.0	Ø10**	93.2

*The published characteristic capacity is based on medium term load duration and service class 3 according to EC5 (EN 1995)(k_{mod} = 0.7). For other load duration and service class, please refer to the ETA to get more accurate capacities.
** 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.

Technical Sheet

PPA

Elevated Post Base with 100mm Stand Off

Technical Sheet

PPA
Elevated Post Base with 100mm Stand Off

Installation

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:

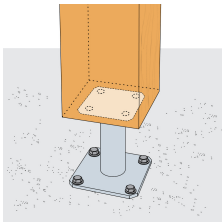
1. Position the post-base centrally on the concrete pad.
2. Identify and mark out the position for the anchors.
3. Drill holes perpendicular to the concrete surface, Ø12 x 85mm deep.
4. Clean the dust from the holes 3 times using a brush, pump or vacuum. This is a crucial step.
5. Add Resin using dispenser 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

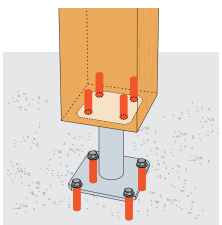
PLEASE NOTE – Anchor performance will only be valid when using Simpson AT-HP Resin

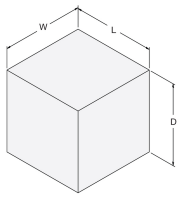
Installation

Timber install

1. Make out positions for coach Screws
2. Drive home coach screws (SSH10x60 - 75151) through holes in base, into end grain of the timber







Fixations utilisées pour pied de poteau type PPA

Technical Sheet

PPA
Elevated Post Base with 100mm Stand Off

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