

Technical Sheet

PBP60/50 Post Base

SIMPSON
Strong-Tie

The PBP60/50 post base is most commonly use for pergola or porch type construction, but can be used in other situations. It should be used by pair for square timber sections from 70 to 150 mm. For higher square timber section (250x250 maximum), the use of 4 post base per post is advocated.

Features

Material

- S235JR steel according to EN 10025,
- Sherardized Class C30 according to EN ISO 17668

Benefits

- Suitable for external use (Service class 3)
- Can be used with different section of post
- Reduced distance between concrete support and timber post (50 mm)
- Patented

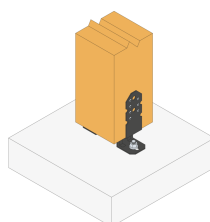
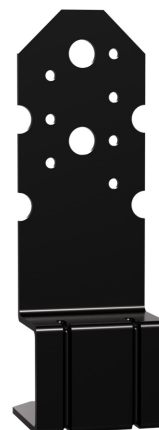
Applications

Support

- **Support** : Concrete
- **Post** : Solid timber, composite timber, glulam

Application fields

- Post for porch roof
- post fro pergola



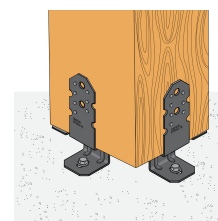
2 post bases - Timber
section until 150x150 mm



4 post bases - Timber
section until 250x250 mm



2 post bases - Timber
section until 150x150 mm



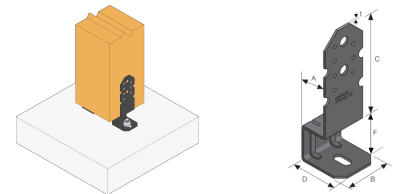
4 post bases - Timber
section until 250x250 mm

PBP post bases for pergola

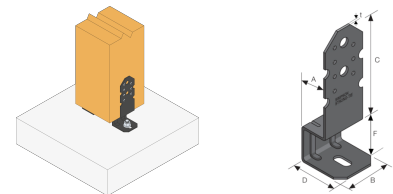
PBP60/50
Post Base

Technical Data

Product dimensions



Reference	Connector Dimensions									
	Product Dimensions[mm]						Top plate holes		Bottom plate holes	Other
	A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round		Obround	Weight[kg]
							Ø5[mm]	Ø13[mm]	Ø12x25	
PBP60/50	35	60	140	62	49	3	7	2	1	0.36

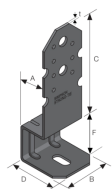


Product simplified characteristic capacities - 2 post bases

Reference	Post base capacity							
	Product capacities - Timber to Concrete - 2 post bases							
	Simplified characteristic capacities - Timber C24[kN]				Number of Fasteners			
	R _{1,k} *		R _{2,k} *		On post		On concrete	
					Qty	Type	Qty	Type
PBP60/50	43		12.7		4.0	Ø12	2.0	Ø10**

* The published characteristic capacity is based on medium term load duration and service class 3 according to EC5 (EN 1995) ($k_{mod} = 0.65$). 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 AT-HP, depending on the concrete type, spacing and edge distances.



Product simplified characteristic capacities - 4 post bases

Reference	Post base capacity							
	Product capacities - Timber to Concrete - 4 post bases							
	Simplified characteristic capacities - Timber C24[kN]				Number of Fasteners			
	R _{1,k} *		R _{2,k} *		On post		On concrete	
					Qty	Type	Qty	Type
PBP60/50	96.9		12.7		8.0	Ø12	4.0	Ø10**

* 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 BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances.

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Post Base

SIMPSON

Strong-Tie[®]

Installation

Installation

- Can be used with different post sizes
- 50mm standoff
- Order as separate item, use in pairs
- Not recommended when the top of post/column is not restrained (e.g. fence post)

