

## Technical data sheet

**SIMPSON**

**Strong-Tie**

PBH

### Heavy Duty Elevated Post Base

*The PBH is suitable for heavy duty post support applications including Glulam timber posts, with a standoff height of 216mm. Dowels included.*

*PBH75 suitable for posts 75 x 75mm to 120 x 120mm*

*PBH120 suitable for posts 120 x 120mm to 200 x 200mm*

## Features

### Material

- Hot-dip galvanised mild steel plate

### Benefits

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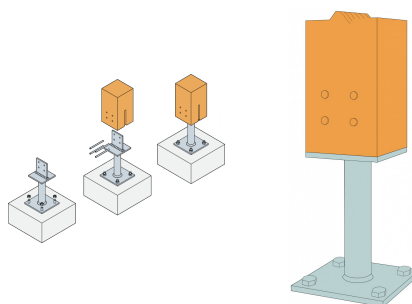
## Applications

### Suitable On

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### When to Use

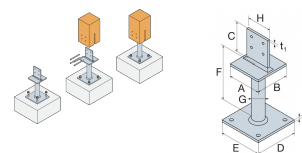
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## PBH Heavy Duty Elevated Post Base

## Technical Data

### Product Dimensions



References	Timber Post Size [mm]	Product Dimensions [mm]										Top plate holes	Bottom plate holes
		A	B	C	D	E	F	G	H	t <sub>1</sub>	t <sub>2</sub>	Ø8,5	Ø14
PBH75	75x75 - 120x120	75	75	110	160	100	216	42.4	45	8	8	2	2
PBH120	120x120 - 200x200	120	120	110	155	155	216	42.4	90	8	8	4	4

### Product characteristic capacities - Simplified values

References	Simplified product capacities - Timber to Concrete													
	Number of Fasteners				Simplified characteristic capacities - Timber C24 [kN]									
	On post		On concrete		R <sub>1,k</sub> *	R <sub>2,k</sub>			R <sub>3,k</sub> =R <sub>4,k</sub>			R <sub>5,k</sub> =R <sub>6,k</sub>		
	Qty	Type	Qty	Type		Width of the post [mm]			Width of the post [mm]			Width of the post [mm]		
						80	100	120	80	100	120	80	100	120
PBH75	4	STD Ø8	2	Ø12**	105.5	8.1	9.5	10.4	5.5	6.5	7.1	5.8	6.6	7.3
PBH120	4	STD Ø8	4	Ø12**	156.4	20.7	20.7	20.7	7.7	7.7	7.7	7.3	7.9	8.5

\*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.

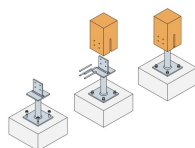
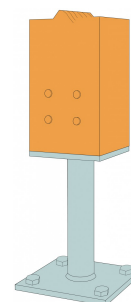
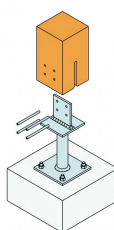
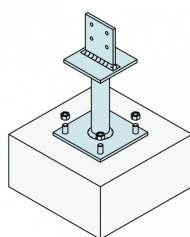
PBH

## Heavy Duty Elevated Post Base

### Installation

#### Installation

- Use the flitch plate to mark and drill the 8mm diameter holes for the dowels
- Cut a 9mm slot in the side adjacent to the drilled holes, for the flitch plate
- Fix to the foundation with M12 anchors
- Lower the post onto the flitch plate, align the holes and fit the dowels
- Not recommended when the top of post/column is not restrained (e.g. fence post)
- Stainless steel option available to order



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[www.strongtie.co.uk](http://www.strongtie.co.uk)

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