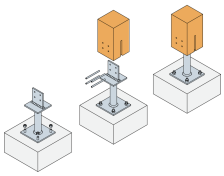
Technical Sheet

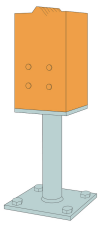
PBH
Heavy Duty Elevated Post Base

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

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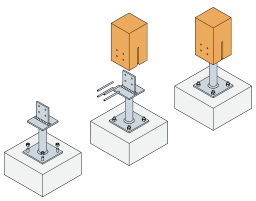
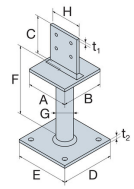
Technical Data

Product Dimensions





Reference	Connector Dimensions													
	Post[mm]	Product Dimensions[mm]										Top plate holes	Bottom plate holes	Other
	Post Size[mm]	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	G[mm]	H[mm]	t_1[mm]	t_2[mm]	Round Ø8.5[mm]	Round Ø14[mm]	Weight[kg]
PBH75	75x75 - 120x120	75	75	110	160	100	216	42.4	45	8	8	2	2	2.2
PBH120	120x120 - 200x200	120	120	110	155	155	216	42.4	90	8	8	4	4	3.6

Product characteristic capacities - Simplified values

Reference	Post base capacity													
	Simplified product capacities - Timber to Concrete													
	Number of Fasteners				Simplified characteristic capacities - Timber C24[kN]									
	On post		On concrete		$R_{1,k}$*	$R_{2,k}$			$R_{3,k}$[kN]			R4,k (2)		
	Qty	Type	Qty	Type		Width of post[mm]			Width of the post[mm]			Width of the post[mm]		
						80	100	120	80	100	120	80	100	120
PBH75	4.0	STD Ø8	2.0	Ø12**	105.5	8.1	9.5	10.4	5.5	6.5	7.1	5.8	6.6	7.3
PBH120	4.0	STD Ø8	4.0	Ø12**	156.4	20.7	20.7	20.7	8.3	8.3	8.3	7.7	8.4	9.2

*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 depend on the concrete type, spacing and edge distances.

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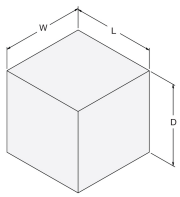
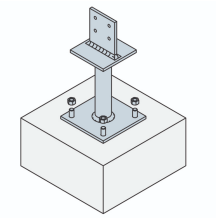
Installation

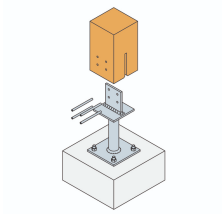
Installation

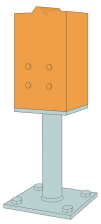
Timber install

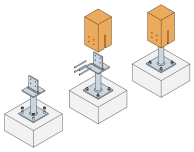
1. Make a vertical notch in the base of the post
2. Mark out & drill dowel positions
3. Drill holes through the post with 8mm dia. bits
4. Position the post on the post base & insert pins











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