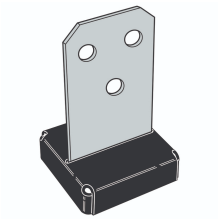
Technical Sheet

CPT
Concealed Post Base

The CPT post base provides a clean look while providing a 25mm stand off height above the ground. reducing the potential for decay at the post end.
The CPT can be fixed to a concrete base with M12 resin anchors (sold separately).



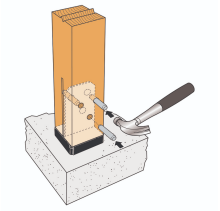


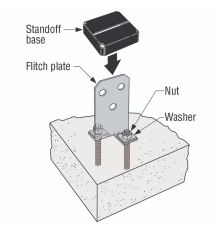






Step 6: Drive the dowels into the post and through the flitch plate they should be roughly centred within the post.





Step 3: Cut a 5mm wide slot on the side adjacent the drilled holes. Check that the flitch plate slides freely.

Features

Materials

Flitch plate, washers and standoff base are pre-galvanised steel.
The standoff base has an additional textured, flat black powder coat finish for aesthetic purposes.
The 12mm diameter dowels are mechanically galvanised.

Applications

Concrete

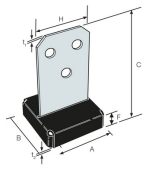
Fix timber posts to concrete.

Technical Sheet

CPT
Concealed Post Base

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]	F[mm]	H[mm]	t_1[mm]	t_2[mm]	Washer	Round Ø13.5	Round Ø13.5	Weight[kg]
CPT44Z	89x89 to 100x100	89	89	145	25	79	3.5	2.7	36x29x3.5	3	2	0.98
CPT66Z	133x133 to 150x150	133	133	145	25	114	3.5	2.7	36x29x3.5	3	2	1.7
CPT88Z	184x184 to 203x203	184	184	145	25	114	3.5	2.7	36x29x3.5	3	2	2.2

Characteristic Capacities

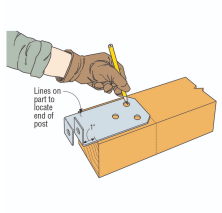
Reference	Post base capacity							
	Number of Fasteners				Simplified Characteristic Values			
	Into Post		Into Concrete		Simplified characteristic capacities - Timber C24[kN]			
	Qty	Type (Dowels)	Qty	Anchor	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	$R_{4,k}$
CPT44Z	3.0	Ø13x70	2.0	Ø12	59.4	11.2	7.3	3.9
CPT66Z	3.0	Ø13x120	2.0	Ø12	91.2	16.3	9.1	5.6
CPT88Z	3.0	Ø13x120	2.0	Ø12	123.1	16.3	9.1	5.6

The published characteristic capacity is based on medium term load duration and service class 3 according to EC5 (EN 1995). For other load duration and service class, please refer to the ETA
For combinated loads:
\sum\frac{F_{i,d}} {R_{i,d}}\le1

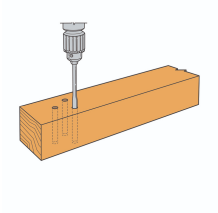
Installation

Installation Sequence

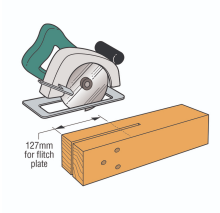
Follow the steps below:



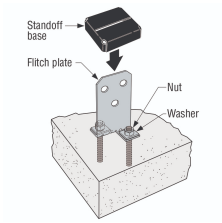
Step 1: Use the flitch plate as a template to mark dowel locations.



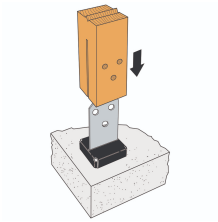
Step 2: Drill 13mm holes perpendicular to the post at marked locations.



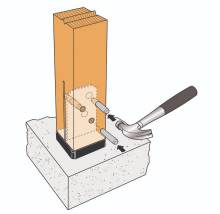
Step 3: Cut a 5mm wide slot on the side adjacent the drilled holes. Check that the flitch plate slides freely.



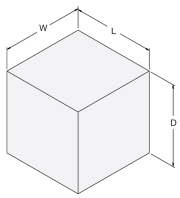
Step 3: Cut a 5mm wide slot on the side adjacent the drilled holes. Check that the flitch plate slides freely.



Step 5: Lower the post onto the flitch plate with the drilled holes aligned with the three holes in the flitch plate. Be careful to avoid rotating the post during installation.



Step 6: Drive the dowels into the post and through the flitch plate they should be roughly centred within the post.



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