

# Keep it Hidden

The **CPT Concealed Post Base** provides a clean look to expose the natural beauty of the timber.

Reduce the potential of timber decay at the post end with a 25 mm standoff.

### Features

- Tested and load-rated for uplift, download and lateral load.
- Simpson Strong-Tie saves installers' time by providing all the necessary components to make the connection in one box.
- Can either be cast-in-place or retrofitted with adhesive or mechanical anchors.
- CPTZ versions feature ZMAX® galvanisation that gives additional corrosion protection in outdoor or preservative-treated wood applications. The standoff base has an additional textured, flat black powder coat finish for aesthetic purposes.
- 316 Stainless Steel available for CPT90SS size.

### Material

- 2.7 mm thick (base), 3.5 mm (knife plate).

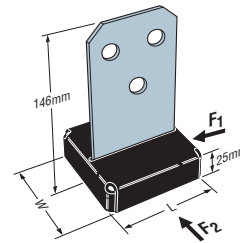
### Finish

- ZMAX® Galvanisation (CPTZ)
- **316 Stainless Steel** (CPTSS)
- For further details refer to corrosion information

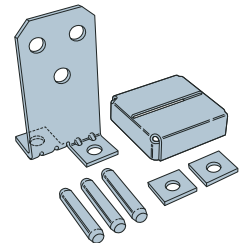


### Installation

- Use all specified fasteners. See General Notes.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non-braced or non-top-supported installations.



CPT Dimensions



CPT Components

## CPT Product and Technical Data

Model No.	Post Size (mm) W x H	Dimensions (mm)		Fasteners				Design Capacity (kN)									
		W	L	Anchor		Dowel		Australia				New Zealand					
				Qty	Dia. (mm)	Qty	Dia. x L	Uplift k <sub>1</sub> = 1.14	Download		F1 k <sub>1</sub> = 1.14	F2 k <sub>1</sub> = 1.14	Uplift k <sub>1</sub> = 1	Download		F1 k <sub>1</sub> = 1	F2 k <sub>1</sub> = 1
		Floor k <sub>1</sub> = 0.69	Roof k <sub>1</sub> = 0.77	Floor k <sub>1</sub> = 0.8	Roof k <sub>1</sub> = 0.8												
CPT90Z	90 x 90 100 x 100	90	90	2	12	3	½" (12.7mm) x 70mm	13.5	47.5	53.0	2.7	3.4	13.5	40.4	40.4	2.7	2.8
CPT140Z	140 x 140 152 x 152	137	137					20.4	109	109	2.9	4.6	19.5	90.0	90.0	2.9	4.6
CPT200Z	190 x 190 203 x 203	184	184					17.5	114	114	3.3	4.8	17.5	94.1	94.1	3.3	4.8
CPT90SS <sup>®</sup>	90 x 90 100 x 100	90	90					12.7	47.5	53.0	2.3	3.6	10.5	40.4	40.4	2.3	3.6

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the Australian Capacity Factor, or the NZ Strength Reduction Factor (ϕ), and applicable the k modification factors following AS 1720.1 and NZS 3603 and (2) the Serviceability Capacity which is the load at 3.2mm joint slip. Design Capacity is the minimum of test data and structural joint calculation.
2. For Australia, the Capacity Factor (ϕ) is 0.85 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern. For NZ, the Strength Reduction Factor (ϕ) is 0.80 for nails in lateral loading and 0.70 for other fasteners.
3. Duration of Load Factor (k<sub>1</sub>) is as shown. Reduce Duration of Load Factor where applicable. Capacities may not be increased.
4. Timber species for joint design is seasoned Radiata Pine, which is Australia Joint Group JD4 per AS 1720.1 Table H2.4 and New Zealand SG8 minimum.
5. CPTZs are supplied with three ½ inch diameter steel dowels. Alternate 12 mm diameter hex or square head machine bolts may be substituted and will achieve table loads.
6. CPTSS are supplied with three ½ inch diameter stainless steel dowels.
7. Lag or carriage bolts are not permitted.
8. Structural composite timber columns have sides that either show the wide face or the edges of the timber strands/veneers, known as the narrow face. Values in the table reflect installation into the wide face.
9. Downloads shall be reduced where limited by the capacity of the timber post.