VUETRADE for the builder

Timber Connectors
Technical Data Sheet

GALVANISED HEAVY DUTY U-CUP BOLT DOWN POST SUPPORTS

OCT25

Compliant with the requirements of AS1720.

GALVANISED

CYCLONIC

BOLTED TO CONCRETE

APPLICATION

Heavy Duty U-Cup Bolt Down Post Supports are heavy duty anchors ideal for bolting timber posts to existing timber decking or concrete bases.

SPECIFICATION

VUETRADE Heavy Duty U-Cup Bolt Down Post Support are manufactured from 4mm thick G300 steel and corrosion protected with Hot Dipped Galvanised. Available in wide range of sizes to suit many common timber post sizes.

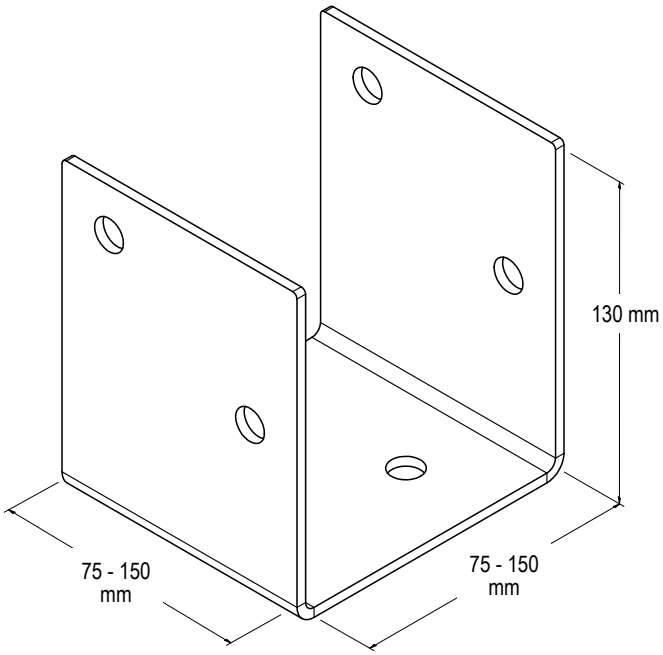
FASTENERS

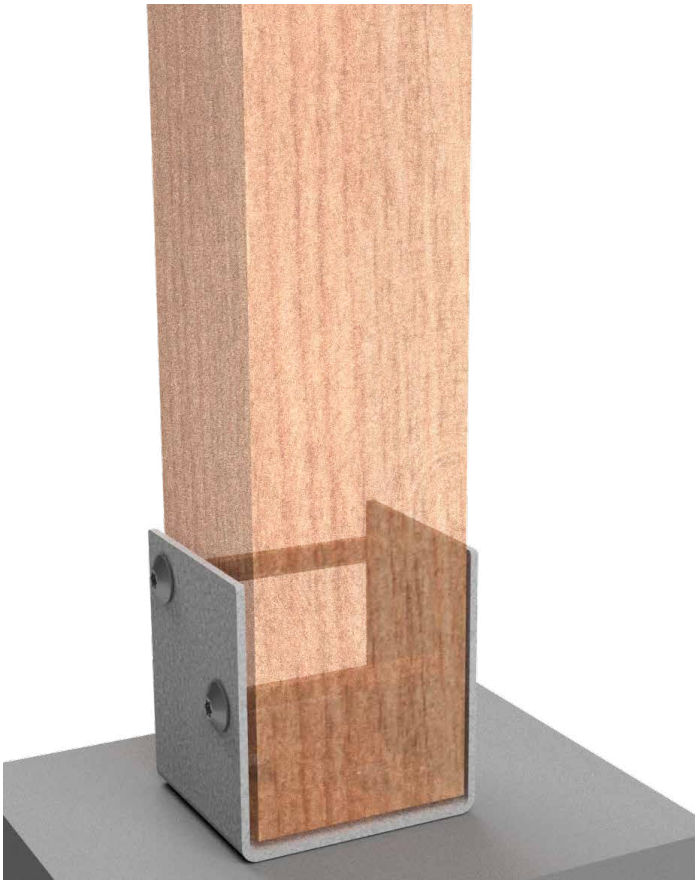
Saddle: 2x VUEBOLT or appropriate M12 bolts with hex nuts

Base: 2x M12 concrete bolts or equivalent

SIZES

Product Code	Size (mm)	Bolt Size	Box Qty
VHDBPS75	75	M12	10
VHDBPS90	90	M12	10
VHDBPS100	100	M12	10
VHDBPS115	115	M12	10
VHDBPS125	125	M12	10
VHDBPS140	140	M12	10
VHDBPS150	150	M12	10





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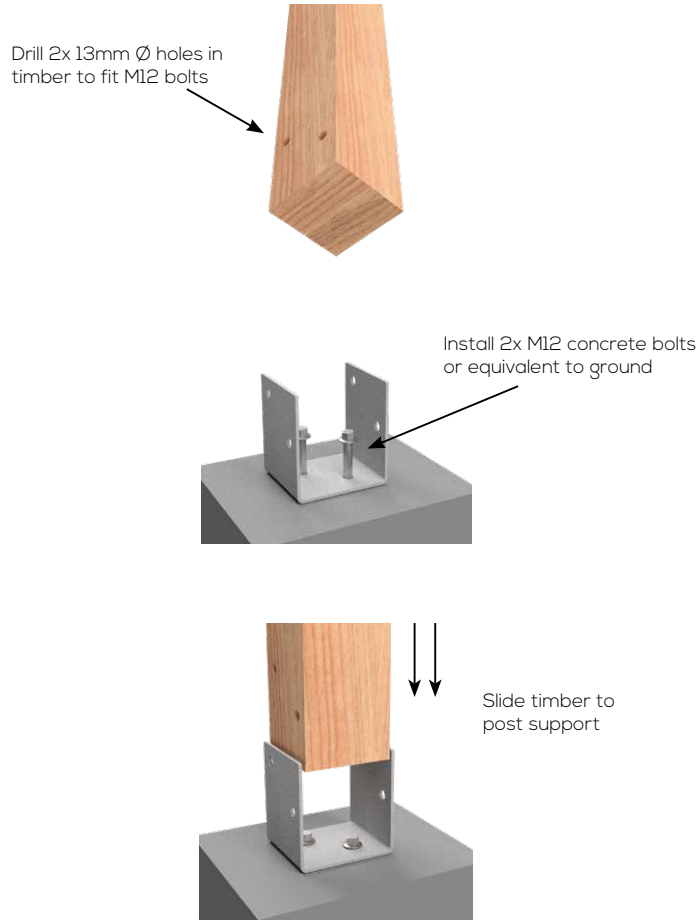
INSTALLATION GUIDE AND BOLT FIXING SCHEDULE



1. Ensure that suitable M12 concrete bolts are used when bolting post support to ground.
2. Use only galvanised bolts with galvanised post support, usage of other steel materials bolt with galvanised post support may lead to bimetallic corrosion.
3. Fixing of VUEBOLT may be used as an alternative to standard M12 bolts when fixing post support to timber posts for smooth architectural finish.

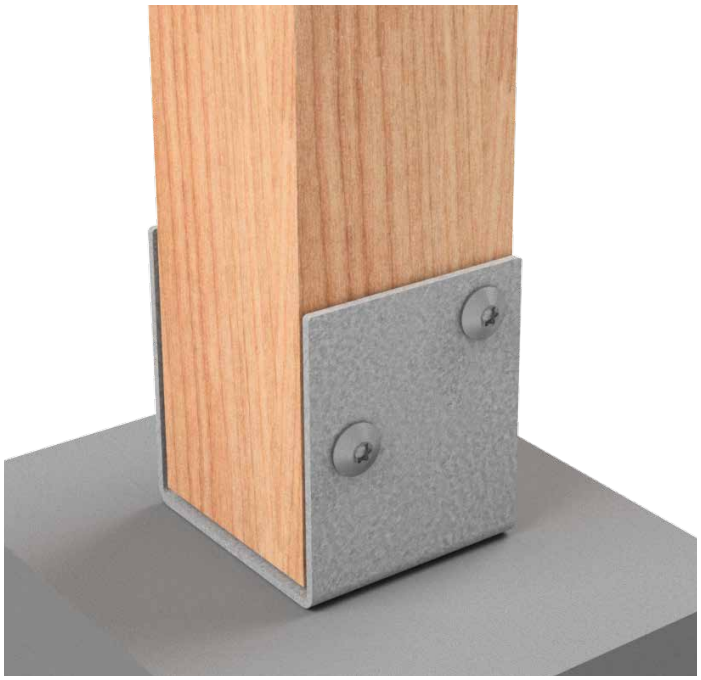
DESIGN CAPACITY DATA

Table 1: Design capacities of Heavy Duty U-Cup Bolt Down Post Support

Load Case	Design Capacity, Ndj (kN)					
	J3	J4	J5	JD3	JD4	JD5
Uplift capacity	16.9	13.4	11.6	21.0	16.9	14.7

NOTES:

1. Design capacity in Table 1 applies to VUETRADE Post Supports where 2x M12 bolts are installed and tightly fastened with hex nuts.
2. Bolts at the base of the post supports must have sufficient anchorage to resist wind uplift.
3. Timber post dimensions must have a minimum dimension of 75mm by 75mm section.
4. Design capacities in above tables are for forces in the vertical direction (wind uplifts) only and are obtained under test conditions defined in AS1649:2025 – *Timber - Methods of test for mechanical fasteners and connectors* & uplift capacity requirements outlined in AS1720.1-2010 – *Timber structures, Part 1: Design methods*.
5. VUETRADE Post Supports should only be used to resist wind uplift / dead load as specified in the TDS and should not be assumed to provide lateral stability. Sufficient bracing should be provided and approved by a structural engineer for lateral stability.
6. Design capacity of post support may be limited by the withdrawal tensile capacity of concrete bolts used to fasten post support to concrete ground. Ensure that suitable concrete bolts are used for above design capacity to be valid.



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