



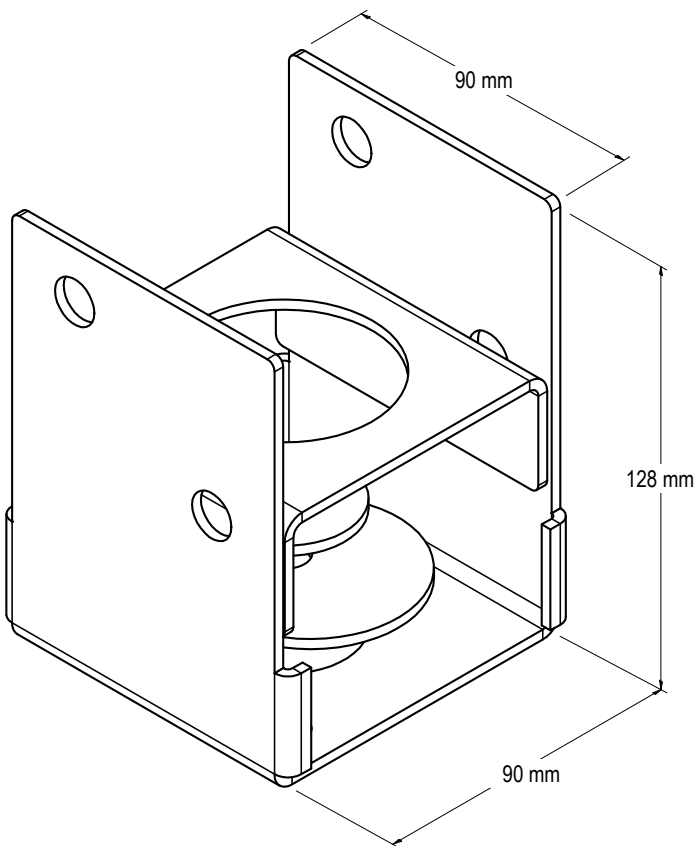
# GALVANISED TRADIES BOLT DOWN POST SUPPORTS

NOV24

Compliant with the requirements of AS1720.

**G GALVANISED**

**BOLTED TO CONCRETE**



## APPLICATION

VUETRADE Tradies Bolt Down Post support is an economical timber bolt down alternative to the standard bolt down post support, featuring a newly designed and engineered body. The adjustable cap allows the post support to switch between easy access mode and concealed mode.

## SPECIFICATION

VUETRADE Tradies Bolt Down Post Supports are manufactured out of G300 Z275 in 1.5mm plate thickness.

## FASTENERS

**Saddle:** 2x Zinc-Nickel Coated VUEBOLT or appropriate M12 bolts with hex nuts

**Base:** **Method 1:** 1x M12 concrete bolt or equivalent fastened with supplied washers, **OR:**

**Method 2:** 2x M12 concrete bolts or equivalent fastened to designated bolt holes, **OR:**

**Method 3:** Combination of above methods, using 3x M12 concrete bolts or equivalent fastened in designated bolt holes and along with supplied washers

## SIZES

Product Code	Size (mm)	Suits timber width
VTBPS90	90	90mm
VTBPS90BK *	90	90mm

\* BLACKOUT Tradies Bolt Down Post Supports are manufactured from 1.5mm G300 Z275 galvanised steel with black powder coating.

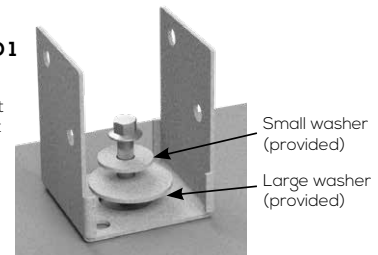
## INSTALLATION GUIDE AND BOLT FASTENING SCHEDULE

Drill 2x 13mm Ø holes in timber to fit M12 bolts



### METHOD 1

Install 1x M12 concrete bolt or equivalent to ground



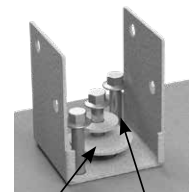
### METHOD 2

Install 2x M12 concrete bolts or equivalent to ground



### METHOD 3

Install 3x M12 concrete bolts or equivalent to ground



Large washer (provided) Small washer (provided)





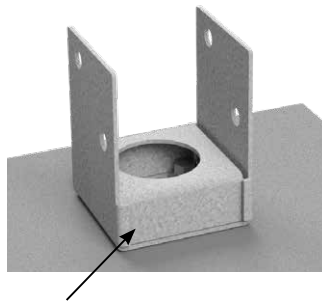
**GALVANISED TRADIES BOLT DOWN POST SUPPORTS**

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**INSTALLATION GUIDE CONT'D**

**CONCEALED mode**

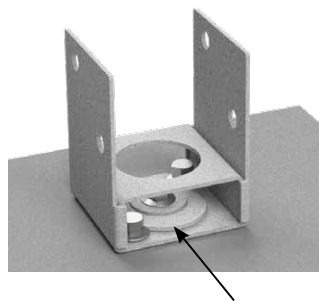
Suitable for those who wish to achieve a neat and concealed finish.



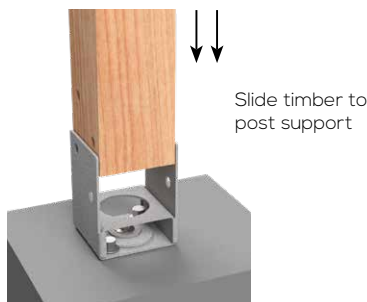
Place the post support cap to conceal the gap that shows bolts and washers within the post support.

**OPEN mode**

Suitable where re-tightening of bolts is needed after installation, or where larger tolerance is needed when fastening bolts.

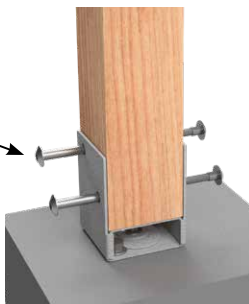


Place the post support cap to open to reveal the gaps showing internal bolts and washers.



Slide timber to post support

Install 2x VUEBOLT or appropriate M12 bolts fastened with hex nuts



**INSTALLATION NOTES:**

1. Method 1 is suitable for installation where a larger fixing tolerance is needed. Ensure that concrete bolt is fixed with the small washer sitting on top of the large washer.
2. Method 2 is suitable for installation where precise and strong post support fixing is needed.
3. Method 3 is suitable for installation where high fixing strength of post support is necessary. Ensure that concrete bolt is fixed with the small washer sitting on top of the large washer.

**DESIGN CAPACITY DATA**

Table 1: Design capacities for Tradies Bolt Down Post Support

Load Case	Design Capacity, Ndj (kN)		
	JD3	JD4	JD5
<b>Uplift capacity</b>	10.3	8.3	7.2

**NOTES:**

1. Design Capacity in Table 1 applies to VUETRADE Tradies Bolt Down Post Supports where 2x M12 bolts are installed and tightly fastened with nuts through saddles.
2. Design capacity for post supports bolted to concrete assume that there is sufficient anchorage in the concrete to resist the pull-out force imposed by wind loading.
3. Timber post dimensions must have minimum dimensions of 90mm by 90mm section and shall be installed flat to the base of the post support.
4. Design capacities in Table 1 are for forces in the vertical direction (wind uplifts) only and are obtained under test conditions defined in AS1649-2001 - *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.

