VUETRADE for the builder

Timber Connectors
Technical Data Sheet

GALVANISED L STIRRUP POST SUPPORTS

OCT26

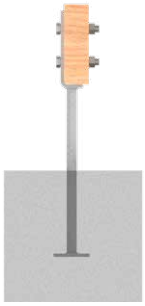
Compliant with the requirements of AS1720.

G GALVANISED

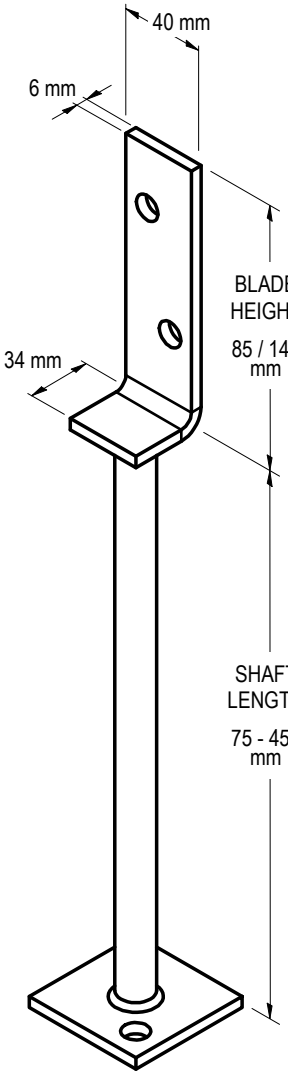
BOLTED TO CONCRETE



CAST INTO CONCRETE







APPLICATION

L Stirrup Post Supports are strong connectors ideal for fixing timber joists and stair stringers, setting into concrete.

SPECIFICATION

VUETRADE Galvanised L Stirrup Post Supports are manufactured in 6.0mm thick G300 steel and corrosion protected with Hot-Dipped Galvanised.

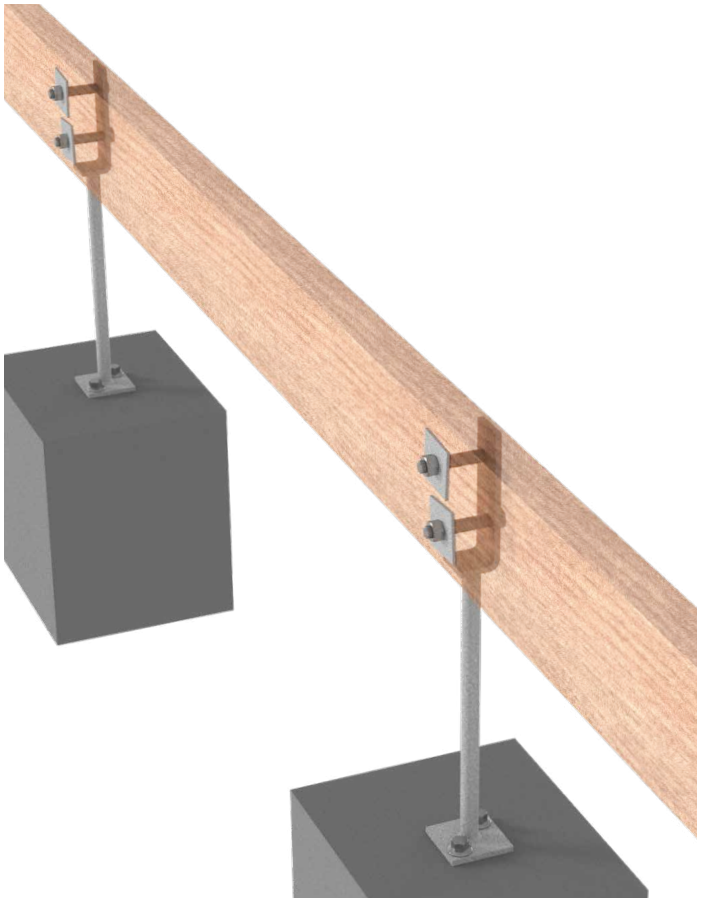
FASTENERS

Saddle: 2x appropriate M12 bolts with washers and hex nuts

Base: 2x M12 concrete bolt or equivalent

SIZES

Product Code	Blade Height (mm)	Shaft Length (mm)	Box Qty
VLSPS7585	85	75	10
VLSPS12585	85	125	10
VLSPS30085	85	300	10
VLSPS45085	85	450	10
VLSPS300140	140	300	10
VLSPS450140	140	450	10



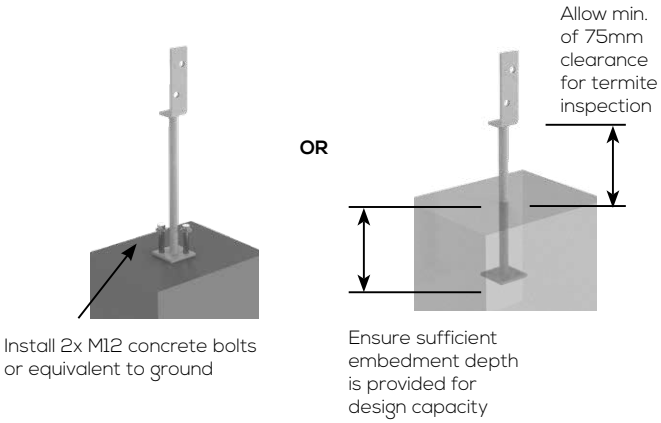
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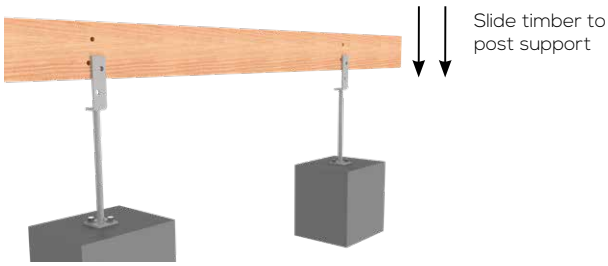
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Bellevue Group Australasia are continuously working to develop and improve our product range. We reserve the right to change specifications, etc. without notice.

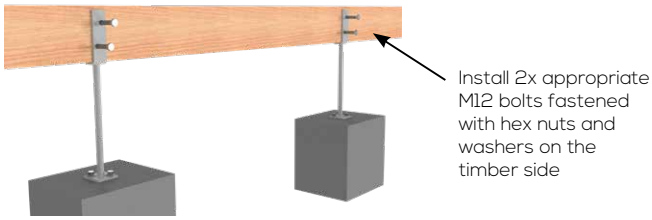
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INSTALLATION GUIDE AND BOLT FIXING SCHEDULE







NOTES:

1. Embedment depth of VUETRADE Post Support should be determined and calculated by a Structural Engineer to achieve the reported design load. This usually depends on the type of concrete used, aggregate ratio etc.
2. Washers used with bolts shall adhere to the minimum required size stipulated in AS1720.1 Table 4.11 and are used on the timber side only.
3. 75mm clearance must be provided to conform to the requirements set out by AS3660.1:2014 - *Termite management, Part 1: New building work.*

DESIGN CAPACITY DATA

Table 1: Design Capacity of L Stirrup Post Supports in different joint groups

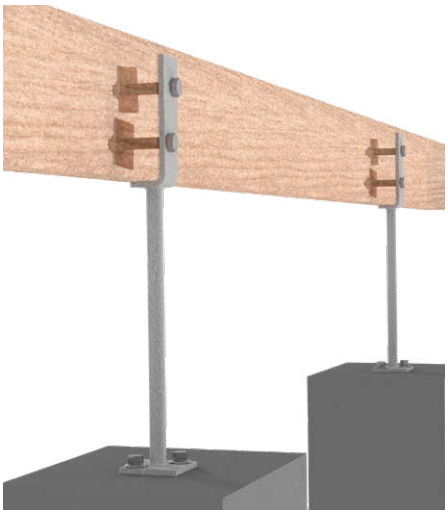
Load Case	Design Capacity, Ndj (kN)					
	J3	J4	J5	JD3	JD4	JD5
Uplift capacity	3.9	2.5	1.7	5.6	4.1	3.0

NOTES:

1. Design capacity in Table 1 applies to VUETRADE L Stirrup Post Supports where 2x appropriate M12 bolts are installed and tightly fastened with hex nuts.
2. Timber posts shall be installed flat to the base of the post support.
3. Footings by others.

   a. Design capacities for post supports bolted or cast into concrete assumed that there is sufficient anchorage to resist wind uplift.

   b. Design capacity of this 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 capacities to be valid.
4. Design capacities in the above table are for wind uplift (vertical force direction) only and are obtained under strict in-house test conditions defined by 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.
7. Design capacity in Table 1 are based on Category 1 joints where it is applicable for failures that would be unlikely to affect an area of greater than 25m2. For Category 2 and Category 3 joints, design capacities in this table are modified by multiplying 0.941 and 0.882 respectively.
8. Capacities are based on loads acting perpendicular to timber grain.



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