VUETRADE for the builder

Timber Connectors
Technical Data Sheet

GALVANISED DOUBLE T-BLADE POST SUPPORTS

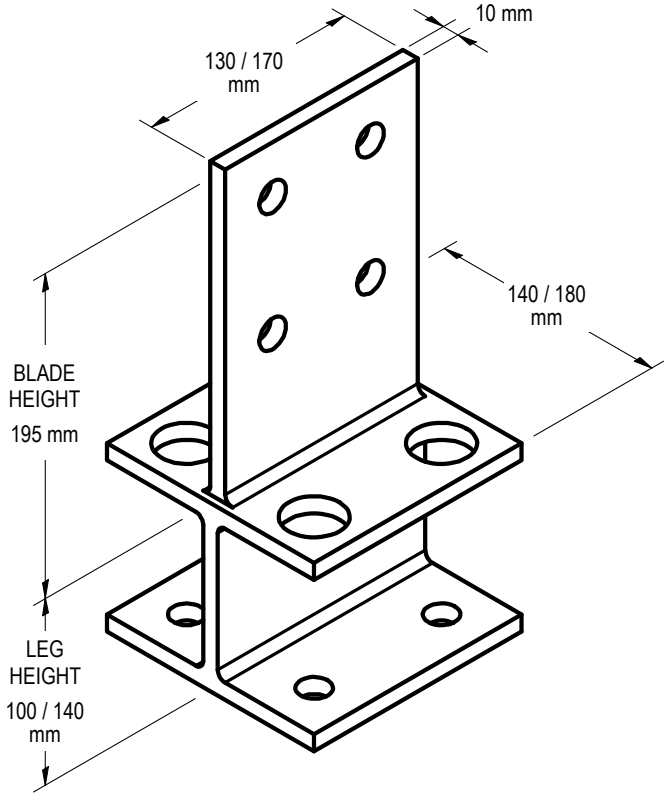
MAR24

Compliant with the requirements of AS1720.

G GALVANISED

BOLTED TO CONCRETE

CAST INTO CONCRETE



APPLICATION

VUETRADE Double T-Blade Post Supports are used as a concealed post supports on large decorative posts. Its 10 mm steel thickness throughout the product offers a strong, solid connection to be bolted down or cast into a concrete base.

SPECIFICATION

VUETRADE Galvanised Double T-Blade Post Supports are manufactured in 10mm steel and corrosion protected with Hot Dipped Galvanised as per AS/NZS 4680:2006.

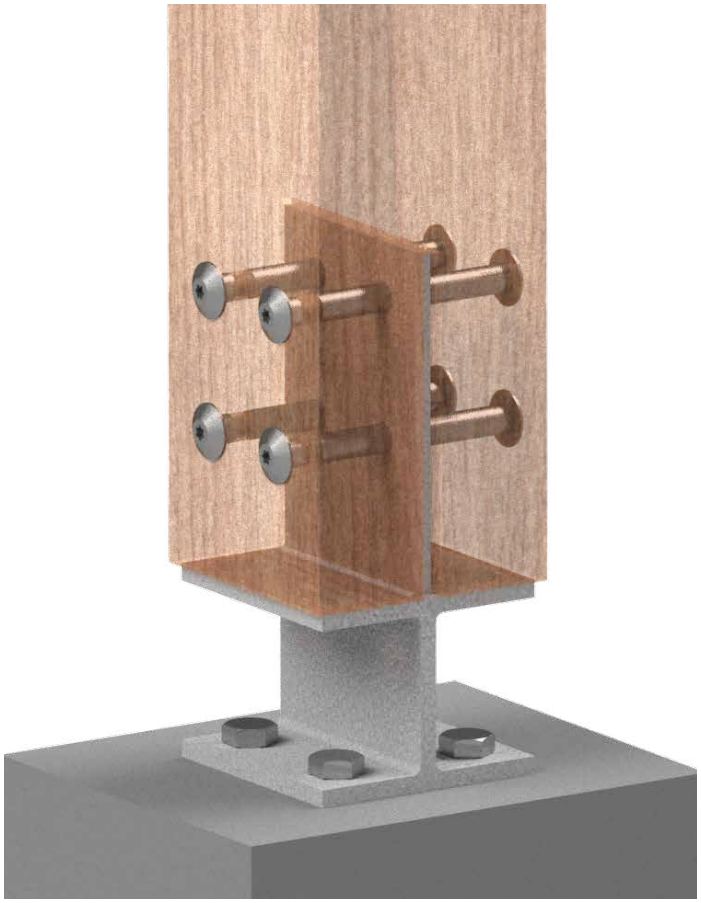
FASTENERS

Saddle: 4x VUEBOLT or appropriate M16 bolts with hex nuts

Base: 4x M16 concrete bolts or equivalent

PRODUCT SIZES

Product Code	Blade Height (mm)	Leg Height (mm)	Base Size (mm x mm)	Post Size Suitability (mm)
VDTB150180	195	100	140 x 140	140 - 180
VDTB180200	195	140	180 x 180	180 - 200



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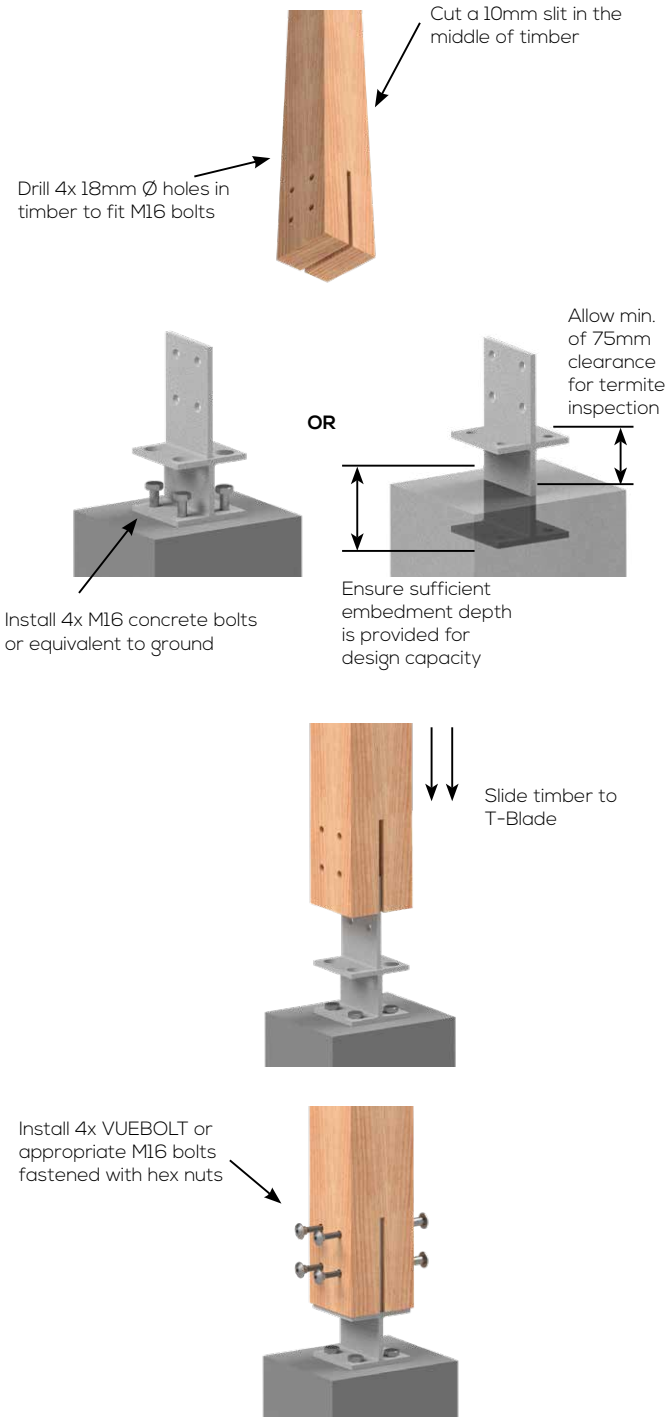
INSTALLATION GUIDE AND BOLT FIXING SCHEDULE



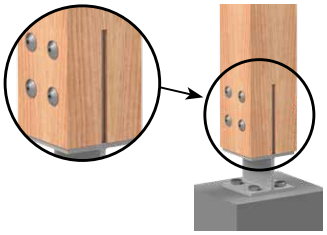
NOTES:

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. 75mm clearance must be provided to conform to the requirements set out by AS3660.1:2014 - *Termite management, Part 1: New building work.*

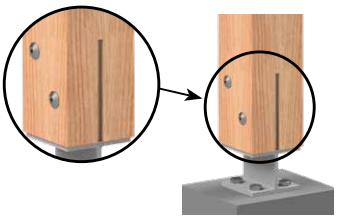
DESIGN CAPACITY DATA

Table 1: Design capacity of Double T-Blade Post Support fixed with 4x bolts on various timber joint groups



Load Case	Design Capacity, Ndj (kN)		
	JD3	JD4	JD5
Uplift capacity	57.0	57.0	54.3

Table 2: Design capacity of Double T-Blade Post Support fixed with 2x bolts on various timber joint groups



Load Case	Design Capacity, Ndj (kN)		
	JD3	JD4	JD5
Uplift capacity	38.8	31.4	27.2

NOTES:

1. Timber posts must have minimum dimensions of 140mm by 140mm section and shall be installed flat to the base of the post support.

2. Design capacities for post supports bolted or cast into concrete assumed that there is sufficient anchorage in the concrete to resist the pull-out force imposed by wind loading.

3. 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 AS1649-2001 – *Timber - Methods of test for mechanical fasteners and connectors* & uplift capacity requirements outlined in AS1720.1-2010 – *Timber structures, Part 1: Design methods.*

4. 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.

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