VUETRADE GALVANISED T-BLADE POST SUPPORTS

A Type T Bladed post support anchor for bolting onto concrete, which suits specialty timbers where the post support needs to be concealed.

Application

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

Product Sizes

All VUETRADE T-Blade Post Supports are 10mm in thickness.

Product CODE	Blade Height (mm)	Base Size (mm X mm)	Post Size Suitability (mm)	Bolt Holes	Box Qty
VBPTB90100	250	80 X 80	90 – 100	M12	6
VBPTB115140	275	110 X 110	115 – 140	M16	6
VBPTB150180	300	140 X 140	150 – 180	M16	4
VBPTB180200	350	180 X 180	180 – 200	M16	2

Specification

VUETRADE Galvanised T-Blade Post Supports are hot dipped galvanised with zinc coating which complies with the specification in AS4680.

Fasteners

Use VUETRADE approved M12 and M16 bolts based on the product selected.

NOTE: All VUETRADE™ products are compliant with the requirements of AS1720 and AS4600

BELLEVUEGROUP AUSTRALASIA

VUETRADE Timber Connectors is a division of Bellevue Group Australasia
Address PO Box 258, Brighton TAS 7030
Phone 1300 850 520
Fax 1300 830 370
Email technical@bellevuegroup.com.au
Website www.vuetrade.com.au

VUETRADE GALVANISED T-BLADE POST SUPPORTS

Design Capacity Data

Table 1: Design Capacity (kN) for connections of vertical timber post using 4 bolts.

Joint Group	J1	J2	J3	J4	J5	J6	JD1	JD2	JD3	JD4	JD5	JD6
M12 Bolt	61.4	51.2	47.4	37.7	32.6	28.8	76.3	65.1	59.1	47.4	41.4	35.3
M16 Bolt	92.0	91.6	84.7	66.5	57.7	51.6	92.0	92.0	92.0	84.7	73.5	62.8

Table 2: Design Capacity (kN) for connections of vertical timber post using 3 bolts.

Joint Group	J1	J2	J3	J4	J5	J6	JD1	JD2	JD3	JD4	JD5	JD6
M12 Bolt	46.0	38.4	35.6	28.3	24.4	21.6	57.2	48.8	44.3	35.6	31.0	26.5
M16 Bolt	81.6	68.7	63.5	49.9	43.3	38.7	92.0	86.9	78.5	63.5	55.1	47.1

Table 3: Design Capacity (kN) for connections of vertical timber post using 2 bolts.

Joint Group	J1	J2	J3	J4	J5	J6	JD1	JD2	JD3	JD4	JD5	JD6
M12 Bolt	30.7	25.6	23.7	18.8	16.3	14.4	38.1	32.6	29.5	23.7	20.7	17.7
M16 Bolt	54.4	45.8	42.3	33.3	28.8	25.8	67.7	57.9	52.3	42.3	36.7	31.4

NOTE:

1. The design capacity of galvanised T-Blade is capped at 92kN. 92kN is the maximum uplift force from the test carried out before the bolt from the base of the grip failed. At this point, there were no signs of failure in the T-Blade except for minor cupping at its base.
2. The capacities were determined based on loads that are acting parallel to the grain of the timber.
3. Modification factor, k_1 is 1.14 as recommended in AS 1720.
4. Design capacities in the tables are based on Category 1 joints where it is applicable for failures that would be unlikely to affect an area of greater than 25m^2. For Category 2 and Category 3 joints, design capacities from the table are multiplied by 0.941 and 0.882 respectively.

BELLEVUEGROUP AUSTRALASIA

VUETRADE Timber Connectors is a division of Bellevue Group Australasia
Address PO Box 258, Brighton TAS 7030
Phone 1300 850 520
Fax 1300 830 370
Email technical@bellevuegroup.com.au
Website www.vuetrade.com.au