

STAINLESS STEEL FULL STIRRUP POST SUPPORT

Application

VUETRADE Stainless Steel Full Stirrup Post Supports are designed to support timber posts with excellent strength. Installed either by bolting to the concrete or by casting into wet concrete. These post supports offer a strong and solid connection, with high resistance to rust specifically for applications near the coast.

Specification

VUETRADE Stainless Steel Full Stirrup Post Supports are available to be manufactured in two materials, SS304 and SS316.

Fasteners

Saddle & Base: 2 x M12 bolts

Base of Saddle: 2 x M10 bolts

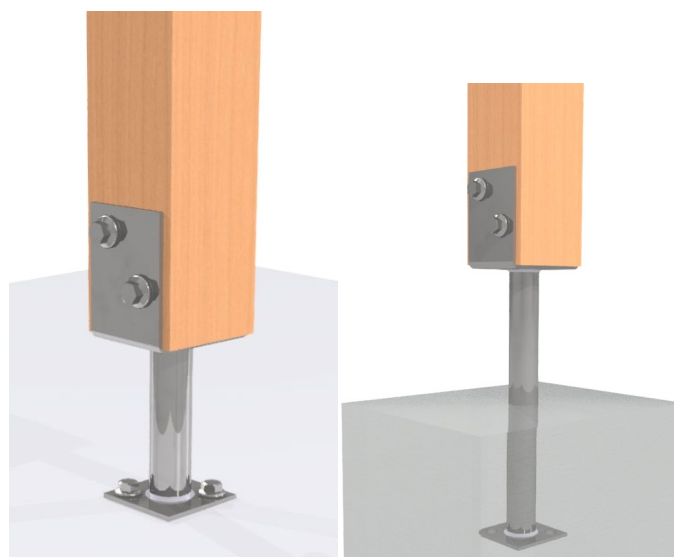
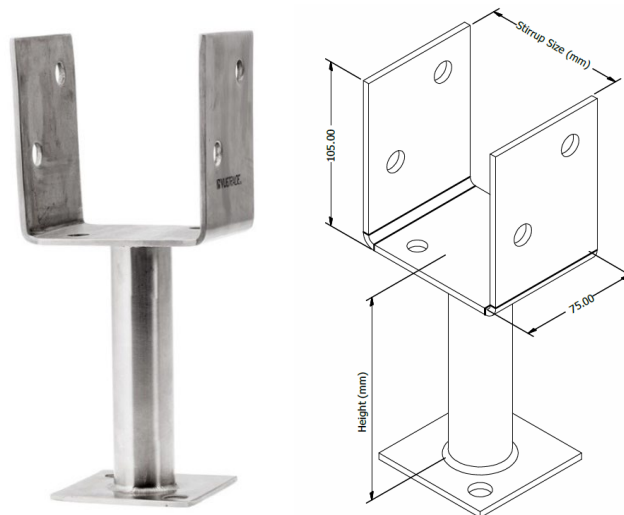
Product Sizes

Table 1: VUETRADE Full Stirrup Post Supports (SS304)

Product Code	Height (mm)	Stirrup Size (mm)	Box Quantity
VPS13090SS	130	90	10
VPS130115SS		115	10
VPS130125SS		125	10
VPS130135SS		130	10
VPS20090SS	200	90	10
VPS20090SS	300		10

For full listing of standard sized full stirrups, please visit:

<http://vuetrade.com/stainless-steel-full-stirrup-post-anchors/>



Note: Dimensions in mm

Material Specification

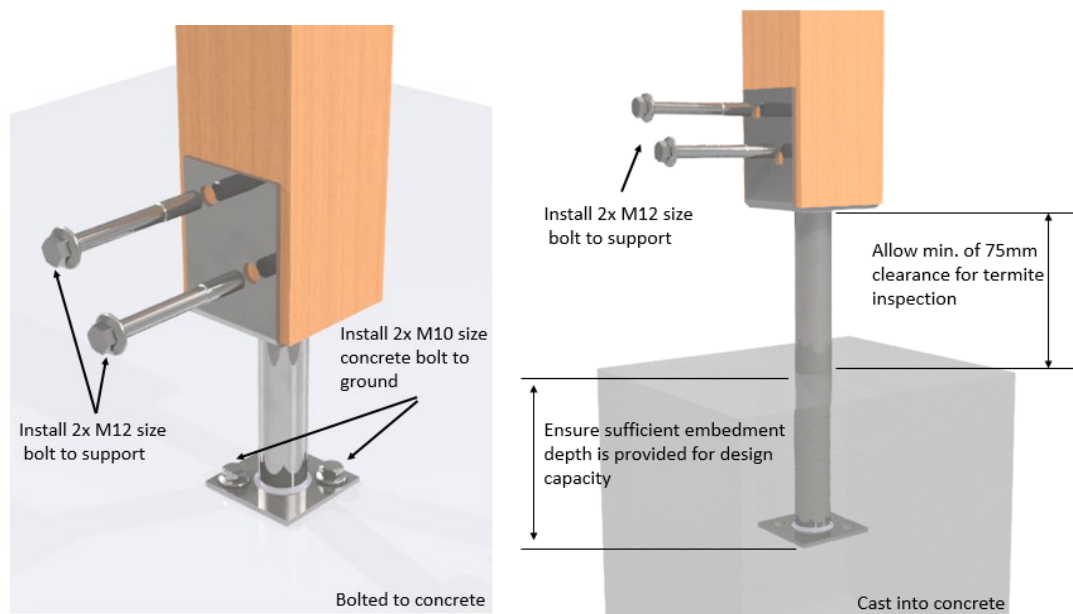
	Stainless Steel SS304	Stainless Steel SS316
Composition	18 % Chromium, 8% Nickel	16% Chromium, 10% Nickel, 2% Molybdenum
Corrosion Resistance	Good resistance to oxidation and corrosion, but weak against acidic environments	Superior corrosion resistance against acidic/high chloride environments

Note: 'Tea-staining' is a cosmetic issue with some VUETRADE Stainless Steel Post Supports (more prevalent in SS304) but this **does not affect** the structural integrity or material lifetime of the post support.

NOTE: VUETRADE™ Stainless Steel Full Stirrup Post Support are compliant with the requirements of AS1720 and AS4600

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Installation guide and bolt fixing schedule



Note:

1. Embedment depth of VUETRADE Post Support should be determined and calculated by a Structural Engineer in order 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 AS2336.1 – 2000 Termite Management in new building work.

Design Capacity Data

Table 2: Design Capacity Table

Load Direction to Grain	Bolted to Concrete Design Capacity, N_{dj} (kN)	Set into Concrete Design Capacity, N_{dj} (kN)
	JD4	JD4
Parallel to Grain	37	55
Perpendicular to Grain	24	27

NOTE:

1. Design capacity in Table 2 applies to VUETRADE Post Supports where 2x M12 bolts are installed and tightly fastened with nuts.
2. Timber posts must have minimum dimensions of 90mm by 90mm section and shall be installed flat to the base of the post support.
3. Design capacities for post supports bolted or cast into concrete are based on the assumption that there is sufficient anchorage in the concrete to resist the pull-out force imposed by wind loading.
4. Design capacities in the above table are for wind uplift (vertical force direction) only and areas obtained under strict test condition defined by AS1649 – Methods of test of mechanical fastener.
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.

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