

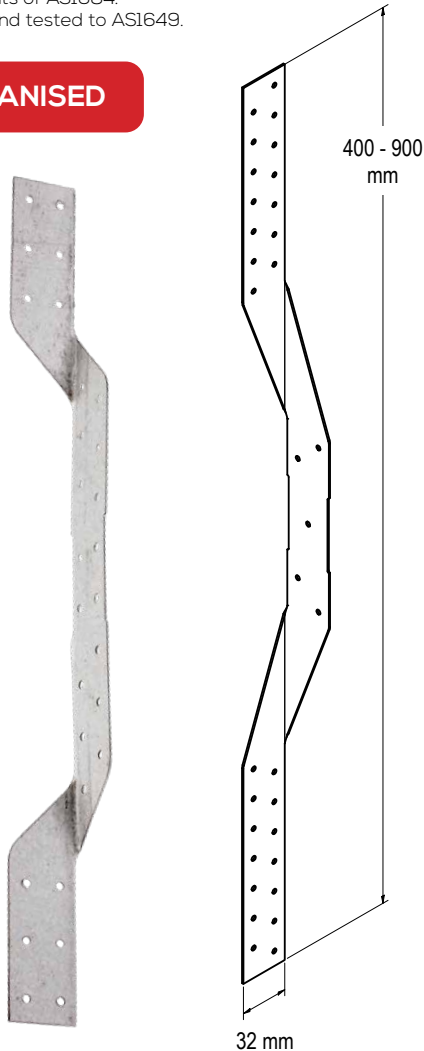


GALVANISED CYCLONE STRAPS

JUN23

Compliant with the requirements of AS1684. Designed and tested to AS1649.

G GALVANISED



APPLICATION

VUETRADE Cyclone Straps are used for tying down purlins and trusses to wall frames in cyclonic & high wind areas.

SPECIFICATION

VUETRADE Cyclone Straps are manufactured from G300 Z275 galvanised steel in 1.0mm thickness (TCT).

FASTENERS

Nails: Use only VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails

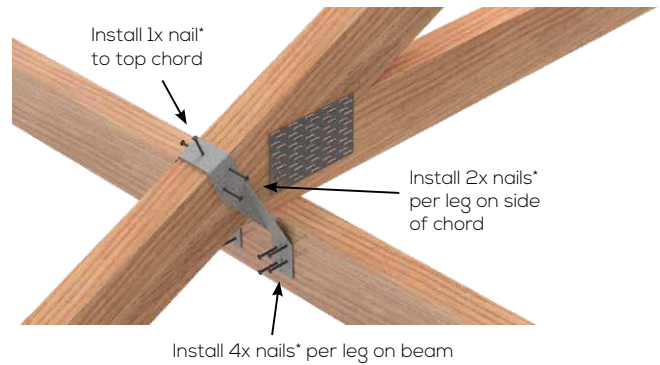
SIZES

Product Code	Length	Box Qty
VTCS400	400mm	100
VTCS600	600mm	100
VTCS900	900mm	100

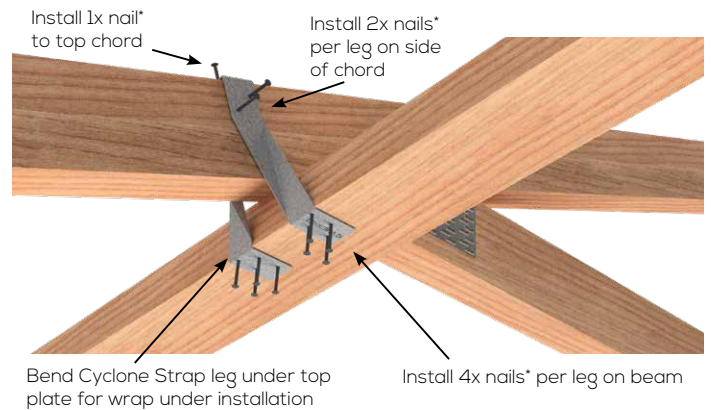
INSTALLATION AND NAILING SCHEDULE

Use recommended number of nails in Table 1 to achieve its respective design capacities.

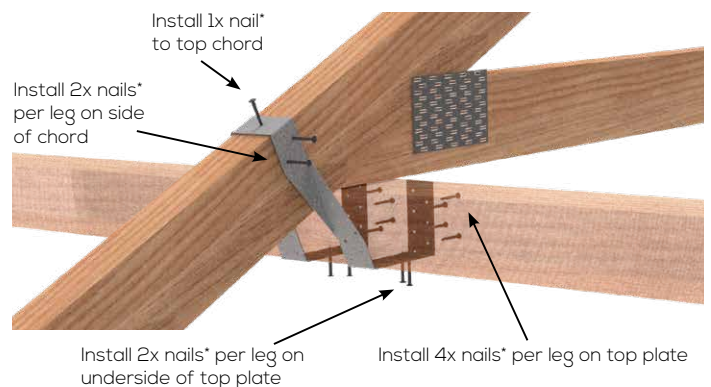
FACE FIXED



WRAP UNDER FIXING



WRAP UNDER & OVER FIXING



* Use only VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails for fastening Cyclone Straps.





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DESIGN CAPACITY DATA

Table 1: Cyclone Strap design capacities for Face Fixed Installation

Product length	Nails per leg	Design Capacity for Timber Joint Groups, kN					
		J3	J4	J5	JD3	JD4	JD5
All lengths	2	3.1	2.2	1.7	4.3	3.1	2.5
All lengths	4	6.2	4.4	3.3	8.7	6.2	5.1
600mm & 900mm	6	8.2	5.8	4.4	9.5	8.6	7.1
600mm & 900mm	8	9.5	7.3	5.5	9.5	9.5	9.3
600mm & 900mm	14	9.5	9.5	9.0	9.5	9.5	9.5

Table 2: Cyclone Strap design capacities for Wrap Under and Wrap Under & Over Installations

Product length	Nails per leg	Design Capacity for Timber Joint Groups, kN					
		J3	J4	J5	JD3	JD4	JD5
All lengths	6 (see note 5)	9.5	9.5	9.5	9.5	9.5	9.5

NOTE:

1. Values in Table 1 and Table 2 use VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails only. Values that exceed 9.5kN are limited to the strength of G300 Z275 galvanised steel.
2. Modification factors k_1 for different load cases are adopted from AS1720.1-2010.
3. Design capacities in the above tables 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 from the table are multiplied by 0.941 and 0.882 respectively.
4. NEVER punch nails through sheet metal as it results in weaker, non-compliant connections.
5. For Cyclonic Strap length 400mm only 4 nails are used fixed to the underside of the top plate. Wrap under & over is not applicable for 400mm straps.

