TECHNICAL DATA SHEET

VGT — Variable-Pitch Girder Tiedown

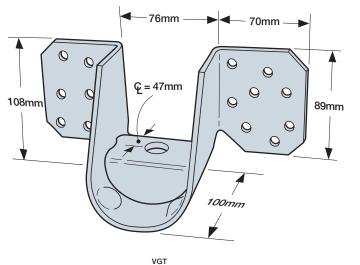
SIMPSON Strong-Tie

The variable-pitch girder tiedown, VGT, is a high-capacity tiedown for multi-ply girder trusses and is suitable for High Wind Zones. It attaches with self-drilling screws from the side of the truss. The VGT uses Simpson Strong-Tie® Strong-Drive® SDS Heavy-Duty Connector screws for wood truss applications. The VGT features a predeflected seat and washer reducing deflection under load. This also allows the connector to accommodate top chord pitches of up to 35 degrees. Material: 4.5mm steel

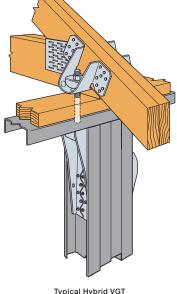
Finish: Z275 Galvanised

Installation:

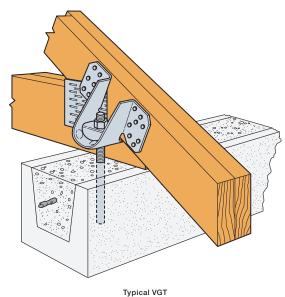
- Use all specified fasteners
- · Screw holes are configured to allow for double installation on multi-member girders
- Install washer component (provided) so that top of
- washer is horizontal and parallel with top of wall
- Suitable for use with cast in or post installed threaded rod







Typical Hybrid VGT Double Installation with S/HDU9



Installation in 190mm blockwork

Specifications - VGT

Model No.	Quantity	No. of Truss Plies	Fasteners		Allowable Uplift Load (kN)
			Anchor Dia.	Girder Truss	Allowable Oplift Load (kin)
VGT	1	2	M16	(16) SDS	38.5
	2	2	2/M16	(32) SDS	57.1
	2	3	2/M16	(32) SDS	70.8

Designer shall insure attached members are adequately designed to resist applied loads

Minimum joint group JD5.

3 Maximum roof pitch of 35 degrees

Capacities in accordance to AS1720.1 and AEFAC Guide for testing and evaluation of timber connection. Truss plies minimum 35mm thick each

5

M12 rod capacity is 27kN. Capacity of 2/M12 rods (either side of truss) is 54kN 6

Threaded rods to be minimum grade 4.6. Concrete design and fixing to concrete by others. 8. 9.

Simpson Strong-Tie® Australia Pty Ltd Call 1300 STRONGTIE (1300 787 664) www.strongtie.com.au

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