VGT and S/VGT2.5 *Variable-Pitch Girder Tiedowns*

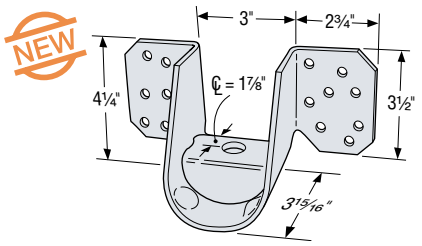
The variable-pitch girder tiedown, S/VGT2.5, is a high-capacity tiedown for single-or multi-ply CFS girder trusses. It attaches with self-drilling screws from the side of the truss. The VGT uses Simpson Strong-Tie SDS series screws for wood truss applications. They both feature a predeflected crescent washer which allows them to accommodate top-chord pitches up to 8/12.

MATERIAL: 171 mil (7 ga)

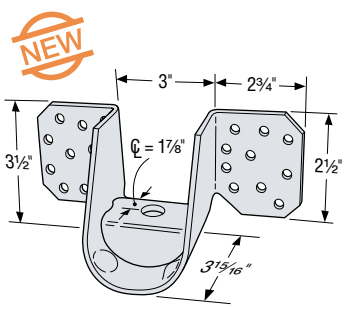
FINISH: Galvanized

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.

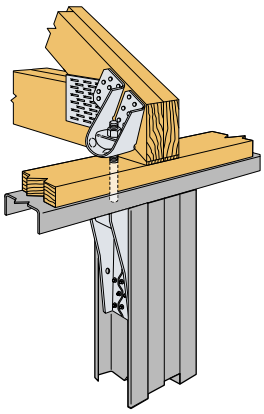
CODES: See page 8 for Code Listing Key Chart.



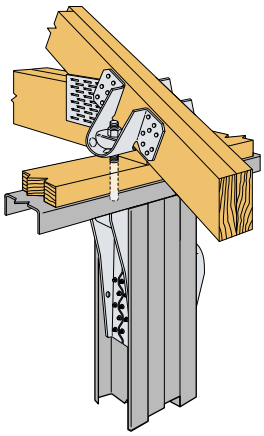
VGT
U.S. Patent Pending



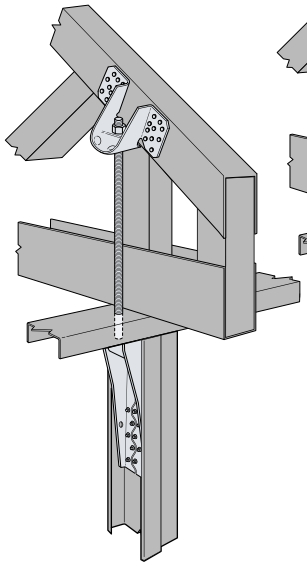
S/VGT2.5
U.S. Patent Pending



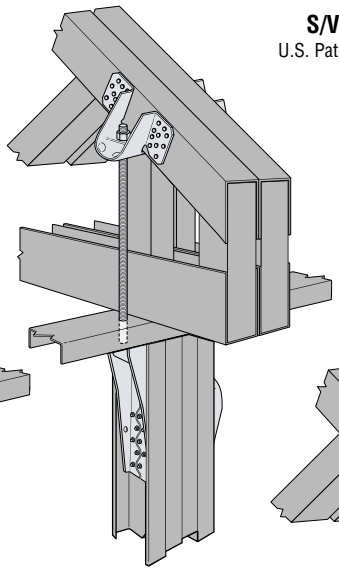
Typical Hybrid VGTR Single Installation with S/HDU4



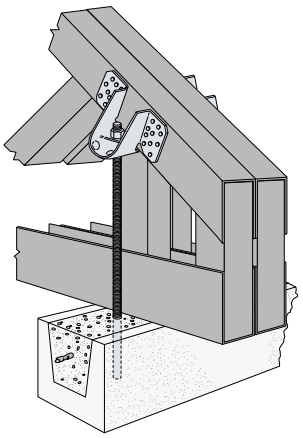
Typical Hybrid VGT Double Installation with S/HDU6



Typical S/VGT2.5 Single Installation



Typical S/VGT2.5 Double Installation with S/HDU6



Typical S/VGT2.5 Installation in CMU

Model No.	Quantity	No. of Truss Plies	Fasteners		Allowable Uplift Loads[2]		Code Ref.
			Anchor Dia.	Girder Truss	3/12	8/12	
Cold-Formed Steel Connection					**54mil (16ga)**		
S/VGT2.5 (min)	1	1	1 - ⅝	16 - #14	3050	2620	170
	2	2	2 - ⅝	32 - #14	6100	5240	
S/VGT2.5 (max)	1	1	1 - ⅝	20 - #14	3860	3130	
	2	2	2 - ⅝	40 - #14	7720	6260	
Hybrid Connection					**Allowable Uplift Loads[3] up to 8/12**		**Code Ref.**
					DF/SP (160)	**SPF/HF (160)**	
VGT	1	2	1 - ⅝	16 - SDS¼"x3"	4940	3555	F26
	2	2	2 - ⅝	32 - SDS¼"x3"	7185	5175	
	2	3	2 - ⅝	32 - SDS¼"x3"	8890	6400	
VGTR/L	1	2	1 - ⅝	16 - SDS¼"x3"	2230	1605	
	2	2	2 - ⅝	32 - SDS¼"x3"	5545	3990	

1. Designer shall insure attached members are adequately designed to resist applied loads.
2. Straight-line interpolation can be used to determine allowable loads for pitches between 3/12 and 8/12.
3. Allowable loads on wood have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other load duration factors govern.