

THGB/THGBH/THGW *Truss Girder Hangers*

Two models offer higher design load values and optional installation with the SDS Strong-Drive® screw.

MATERIAL: 3 gauge

FINISH: Simpson gray paint

DESIGN:

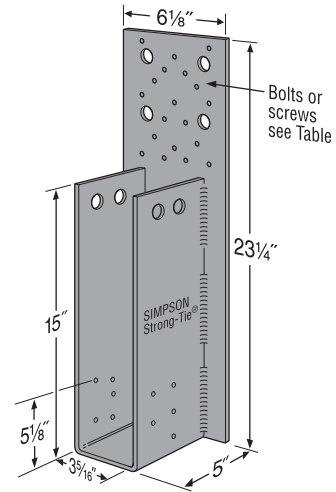
- Vertical web on supporting girder truss must be 2x8 (min) for 4 bolt and 6 bolt applications and 2x12 (min) for 8 bolt applications as per 4.3.8.2 CSA O86-01.
- Designer must ensure that vertical web member supporting hanger is capable of resisting loads based on net cross section.
- SDS 1/4"x3" must have a minimum 2 ply member.
- Vertical web in hanger must be 2x8 to achieve full uplift values.
- Joist bearing assumes $\phi F_{cp} = 812$ psi D.Fir-L and 614 psi S-P-F. Truss plates on supported member must be as per 5.5.9 TPIC 2007 to achieve values shown.
- Maximum bottom chord depth to be 11 7/8" .

INSTALLATION:

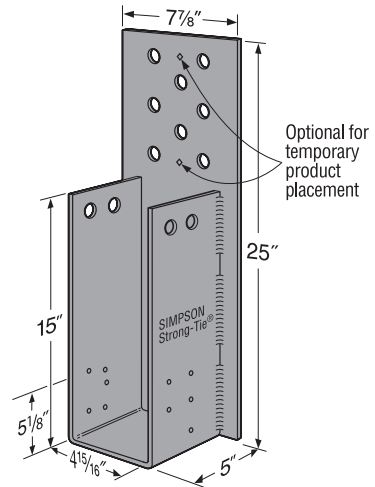
- Use all specified fasteners.
- All multiple members must be fastened together to act as a single unit.
- See page 15 for SDS screws.
- Bolts must be installed symmetrically when using less than 8 bolts on the 8-bolt backplate.

OPTIONS:

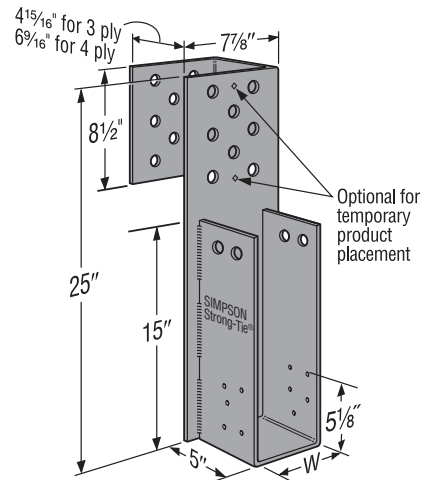
- Available in widths for 2-ply, 3-ply, and 4-ply SCL members.
- See Hanger Options, pages 183.



THGB2
(THGB3 similar)

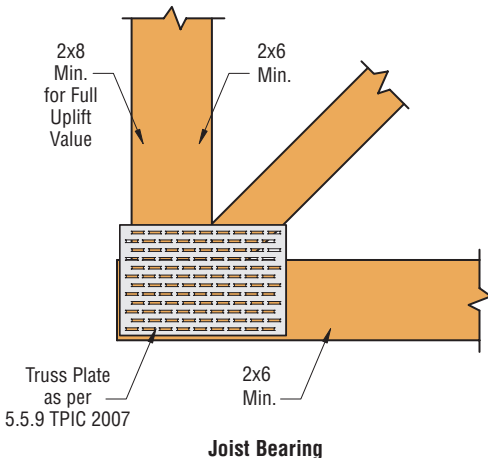
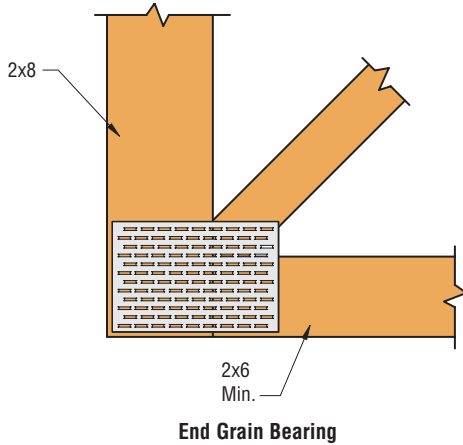


THGBH3
(THGBH2& THGBH4 similar)



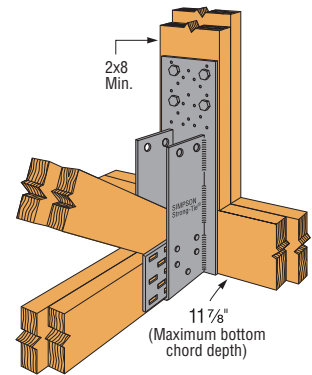
THGW3
U.S. Patent 6,230,466

Suggested Bearing Details
(To be approved by Truss Engineer)

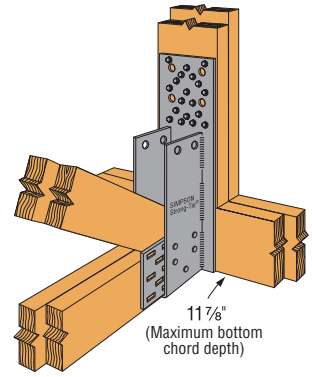


THGB/THGBH/THGW Truss Girder Hangers

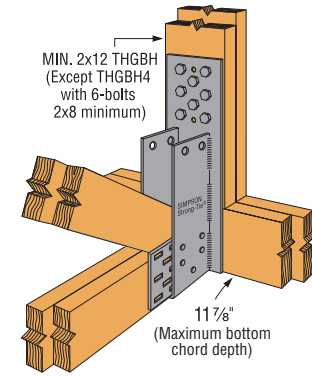
Model No.	Width W (in)	Fasteners		Length of Fastener in Carrying Member (in)	Factored Resistance					
		Carried Member	Carrying Member		D.Fir-L			S-P-F		
					Uplift	Joist Brg	End Brg	Uplift	Joist Brg	End Brg
					(K _D =1.15)	(K _D =1.00)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)	(K _D =1.00)
lbs	lbs	lbs	lbs	lbs	lbs	lbs	kN	kN	kN	



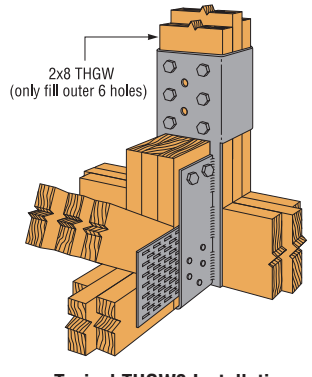
Typical THGB2 Installation



Typical THGB2 Installation with SDS Screws



Typical THGB2 Installation



Typical THGW3 Installation

Plated Truss Connectors

Catalogue C-CAN08 © 2008 SIMPSON STRONG-TIE COMPANY INC.

1. Uplift resistances have been increased 15% for wind or earthquake loading with no further increase allowed.
 2. When using 10-10d nails only on carried member, uplift resistance is 2715 lbs. (12.10 kN) for D.Fir-L and 1945 lbs (8.66 kN) for S-P-F.
 3. **NAILS:** 10d = 0.148" dia. x 3" long. See page 16-17 for other nail sizes and information.