

# H

## Seismic and Hurricane Ties

The hurricane tie series features various configurations of wind and seismic ties for trusses and rafters. The H16 series has a presloped seat of 5/12 for double trusses.

The presloped 5/12 seat of the H16 provides for a tight fit and reduced deflection. The strap length provides for various truss heel heights ranging from 13½" maximum to 4" minimum.

The HGA10 attaches to gable trusses and provides good lateral wind resistance. The HS24 attaches the bottom chord of a truss or rafter at pitches from 0/12 to 4/12 to double 2x4 top plates. Double-shear nailing allows for higher lateral resistance.

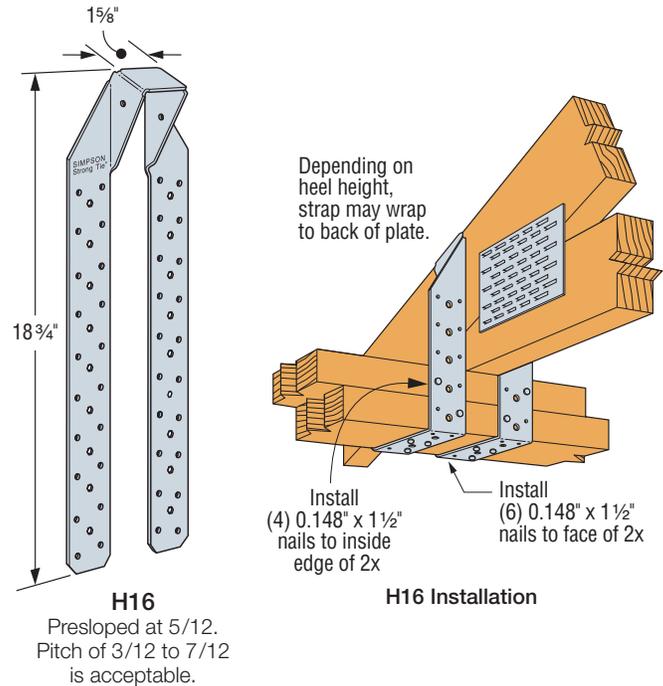
**Material:** See table

**Finish:** Galvanized; HGA also available in HDG; see Corrosion Information, pp. 12–15

**Installation:**

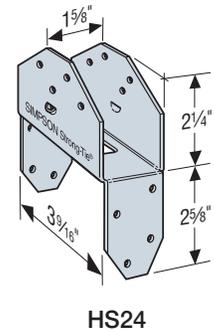
- Use all specified fasteners; see General Notes.
- **HGA10KT:** sold as a kit with (10) HGA10 connectors and (40) ¼" x 1½" Strong-Drive® SDS Heavy-Duty Connector screws and (40) ¼" x 3" SDS screws. Additional screws sold separately to install with all ¼" x 1½" SDS screws (SDS25112).
- HS24 requires slant nailing only when bottom chord of truss or rafter has no slope.

**Codes:** See p. 11 for Code Reference Key Chart



These products are available with additional corrosion protection. For more information, see p. 14.

Model No.	Ga.	Fasteners (in.)		DF/SP Allowable Loads				SPF/HF Allowable Loads				Code Ref.
		To Rafters/Truss	To Plates	Uplift (160)	Lateral (160)			Uplift (160)	Lateral (160)			
HGA10KT	14	(4) ¼ x 1½ SDS	(4) ¼ x 3 SDS	650	1,165	940	815	500	840	675	495	IBC, FL, LA
			(4) ¼ x 1½ SDS	605	500	720	—	435	360	520	—	
HS24	18	(8) 0.131 x 1½ and (2) 0.131 x 2½ slant	(8) 0.131 x 2½	605	645	1,100	—	520	555	945	—	IBC, FL, LA
H16	18	(2) 0.148 x 1½	(10) 0.148 x 1½	1,370	—	—	—	1,180	—	—	—	



1. See pp. 266–267 for Straps and Ties General Notes.
2. When cross-grain bending or cross-grain tension cannot be avoided in the members, mechanical reinforcement to resist such forces shall be considered by the Designer.
3. HS24 DF/SP allowable loads without slant nailing are 605 lb. (uplift), 590 lb. (F<sub>1</sub>), 640 lb. (F<sub>2</sub>). For SPF/HF loads multiply these values by 0.86.
4. Allowable loads in the F<sub>1</sub> direction are not intended to replace diaphragm boundary members or prevent cross-grain bending of the truss or rafter members. Additional shear transfer elements shall be considered where there may be effects of cross-grain bending or tension.
5. **Fasteners:** Nail dimensions in the table are diameter by length. SDS screws are Simpson Strong-Tie® Strong-Drive® SDS Heavy-Duty Connector screws. See pp. 21–22 for fastener information.

