

S/H and H Seismic and Hurricane Ties

Designed to provide seismic and wind ties for trusses or joists, this versatile line may be used for general tie purposes, strongback attachments, and as all-purpose ties where one member crosses another.

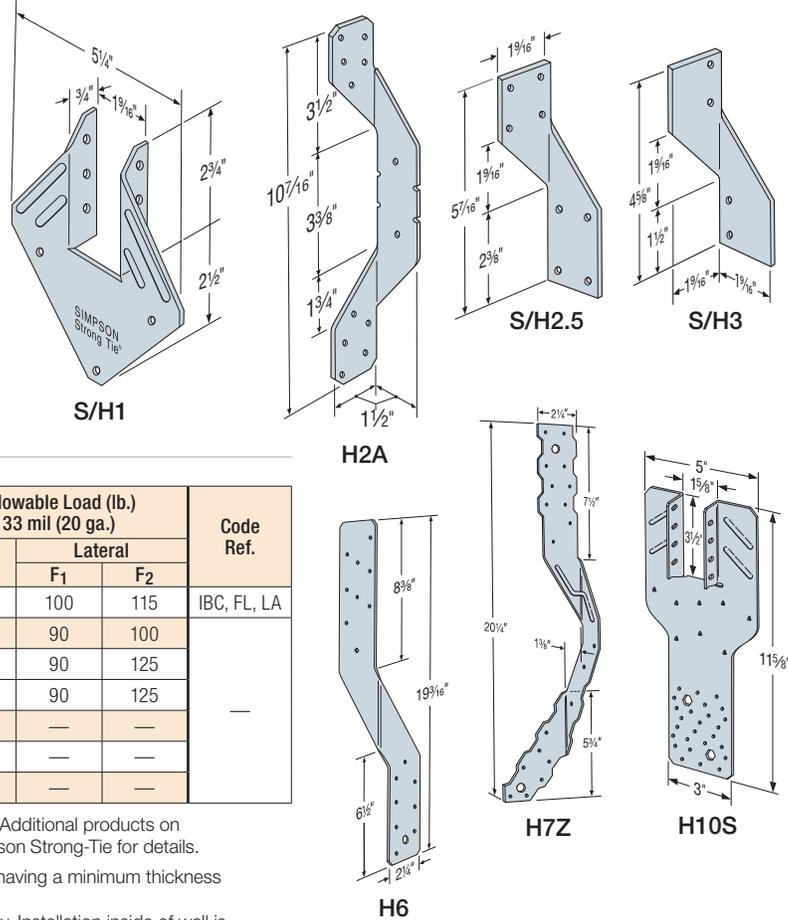
Material: See table

Finish: Galvanized (G90). Available with ZMAX® coating; see Corrosion Information, pp. 17–19.

Installation: • Use all specified fasteners

- The S/H1 can be installed with flanges facing outwards (reverse of illustration 1) when installed inside a wall for truss applications
- Hurricane ties do not replace solid blocking
- S/H2.5, S/H3 and H6 ties are only shipped in equal quantities of rights and lefts

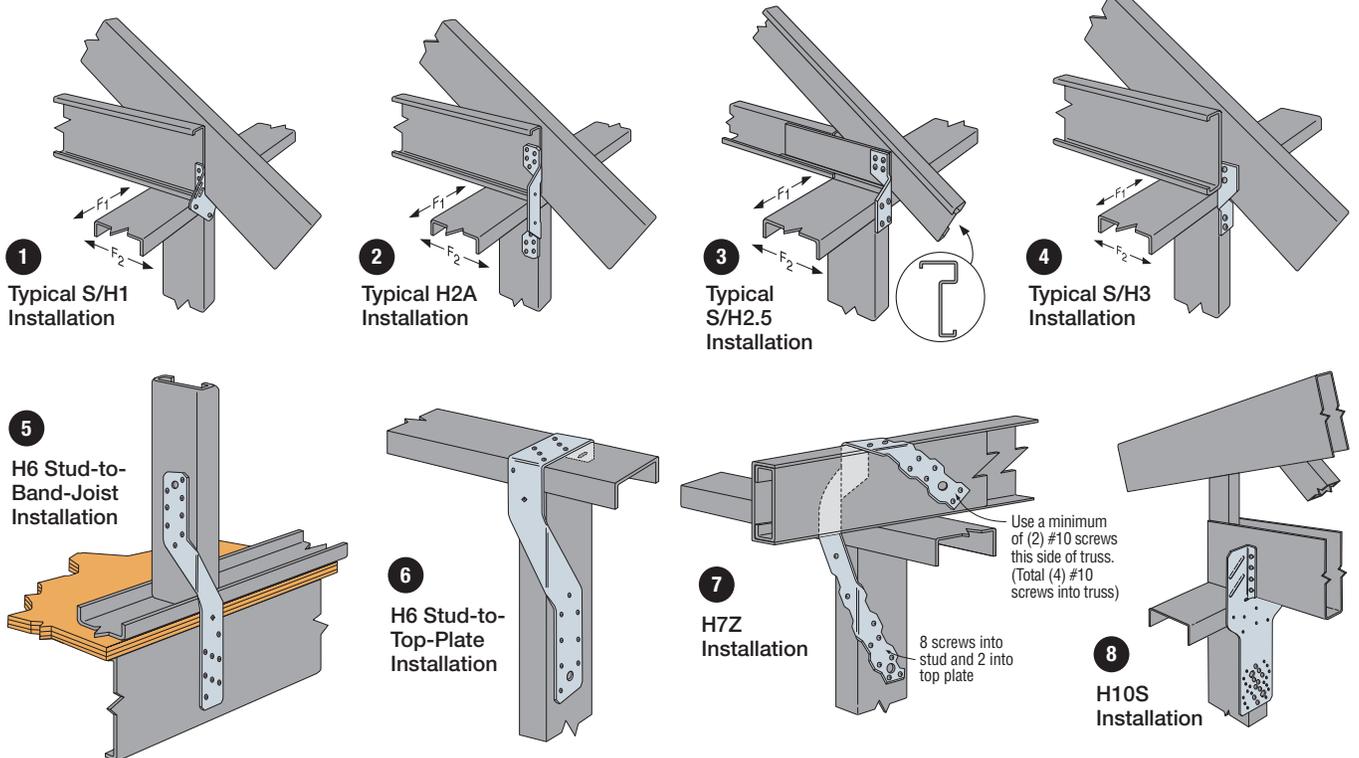
Codes: See p. 11 for Code Reference Key Chart



Model No.	Connector Material Thickness mil (ga.)	Fasteners ⁵			Allowable Load (lb.) 33 mil (20 ga.)			Code Ref.
		To Rafters /Truss	To Top Track	To Stud	Uplift	Lateral		
						F ₁	F ₂	
S/H1	43 (18)	(3) #10	(2) #10	(1) #10	305	100	115	IBC, FL, LA
H2A	43 (18)	(5) #10	(1) #10	(5) #10	450	90	100	
S/H2.5	43 (18)	(4) #10	—	(4) #10	390	90	125	
S/H3	43 (18)	(2) #10	(2) #10	—	375	90	125	
H6	54 (16)	—	(8) #10	(8) #10	950	—	—	
H7Z	54 (16)	(4) #10	(2) #10	(8) #10	985	—	—	
H10S ⁴	43 (18)	(8) #10	—	(8) #10	930 ³	—	—	

These products are available with additional corrosion protection. Additional products on this page may also be available with this option. Check with Simpson Strong-Tie for details.

1. Loads are based on attachment of cold-formed steel members having a minimum thickness of 33 mil (20 ga.).
2. Hurricane ties are shown installed on the outside of wall for clarity. Installation inside of wall is acceptable. For Continuous Load Path, connections in the same area must be on same side of wall.
3. For H10S connectors with CFS members having a minimum thickness of 43 mil (18 ga.), the allowable load is 1,260 lb.
4. H10S connectors can be installed 3/4" (max.) from the center of the vertical stud per the in-line framing specifications of the AISI General Provisions for reduced uplift of 890 lb., provided that the screw edges are met.
5. See *Fastening Systems* catalog (C-F-2019) on strongtie.com for more information on Simpson Strong-Tie fasteners.



S/H1A Seismic and Hurricane Ties

S/H1A is designed to fit within several proprietary truss chords to provide uplift resistance.

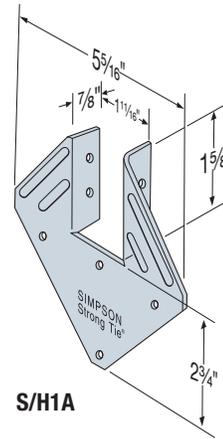
Material: 43 mil (18 ga.)

Finish: Galvanized (G90)

Installation:

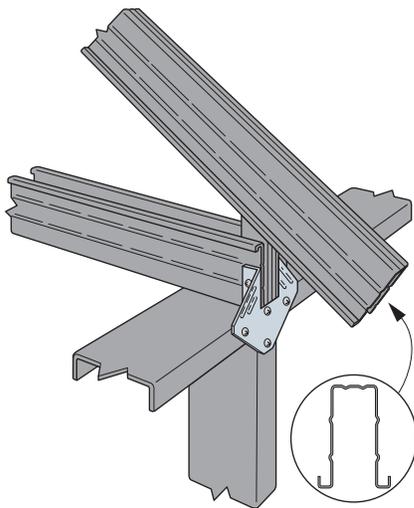
- Use all specified fasteners.
- S/H1A can be installed with flanges facing outwards, reverse of illustration, when installed inside a wall for truss applications.
- S/H1A does not replace solid blocking.
- S/H1A may be used with proprietary truss sections. Contact material supplier for specific installation details.

Codes: See p. 11 for Code Reference Key Chart

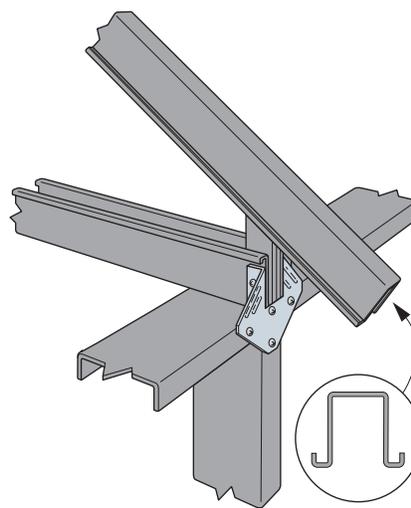


Model No.	Fasteners ²			Truss Thickness mil (ga.)	Allowable Uplift Load (lb.)			Code Ref.
	Truss	Top Track	Stud		Plate/Wall Stud Thickness mil (ga.)			
					33 mil (20 ga.)	43 mil (18 ga.)	54 mil (16 ga.)	
S/H1A	(4) #10	(3) #10	(1) #10	27 (22)	470	470	470	IBC, FL, LA
	(4) #10	(3) #10	(1) #10	33 (20)	510	550	690	
	(4) #10	(3) #10	(1) #10	43 (18)	510	550	690	
	(4) #10	(3) #10	(1) #10	54 (16)	520	675	850	

1. Tabulated loads based on truss members with yield strength, F_y , of 50 ksi and tensile strength, F_u , of 65 ksi. Reduce tabulated load proportionally for lower truss member steel strength. For example: 43 mil (18 ga.) truss member with a yield strength, F_y , of 33 ksi and a tensile strength, F_u , of 45 ksi is connected to 43 mil top track and wall stud. The adjusted allowable load is then 550 lb. x minimum [33/ 50 or 45/ 60] = 363 lb.
2. See *Fastening Systems* catalog (C-F-2019) on strongtie.com for more information on Simpson Strong-Tie fasteners.



Typical S/H1A Installation



Typical S/H1A Installation