S/H and H Seismic and Hurricane Ties

SIMPSON Strong-Tie

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.
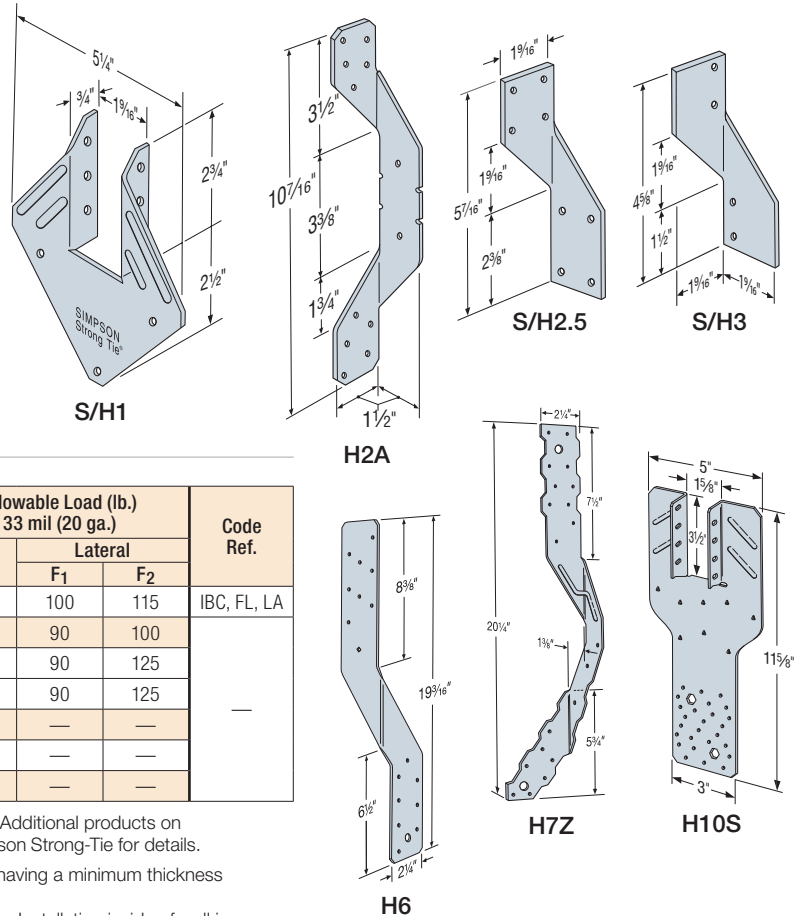
Material: See table

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

S/H1

H2A

S/H2.5

S/H3

H6

H7Z

H10S

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		
						F₁	F₂	
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]	—	—	

Where the Lateral header: columns F₁ and F₂.

▶ 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 ¾" (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.

1 Typical S/H1 Installation

2 Typical H2A Installation

3 Typical S/H2.5 Installation

4 Typical S/H3 Installation

5 H6 Stud-to-Band-Joist Installation

6 H6 Stud-to-Top-Plate Installation

7 H7Z Installation

Use a minimum of (2) #10 screws this side of truss. (Total (4) #10 screws into truss)

8 screws into stud and 2 into top plate

8 H10S Installation