

STC/STCT/DTC

Roof Truss Clips

For alignment control between a roof truss and nonbearing walls; the 1½" slot permits vertical truss chord movement when loads are applied.

Material: 18 gauge

Finish: Galvanized

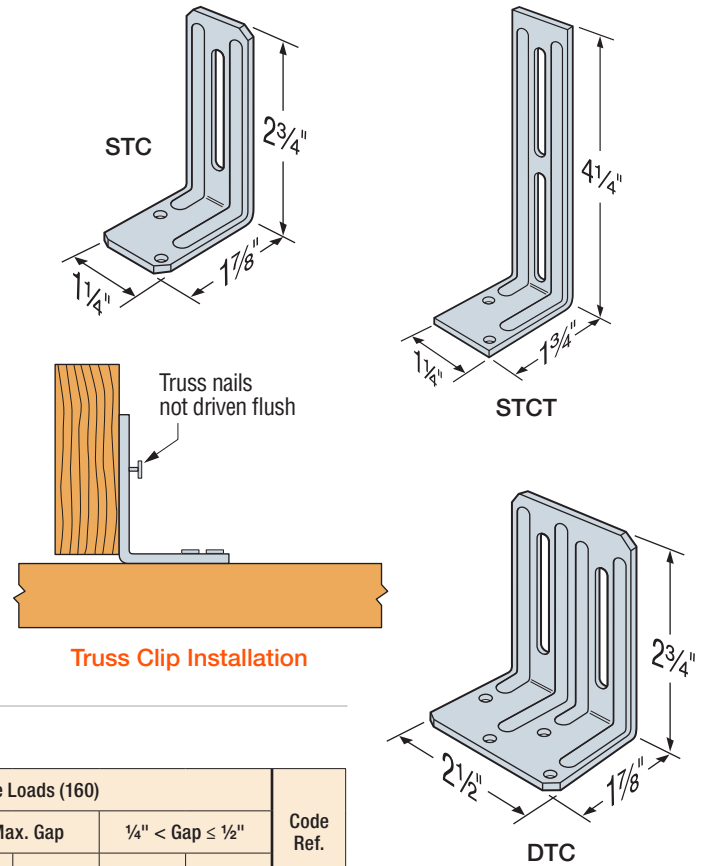
Installation:

- Use all specified fasteners; see General Notes.
- Use STC or DTC depending on required loads. STC, installed with DS drywall stop, helps prevent fasteners tearing through the ceiling drywall (see illustration).
- Use STCT where truss or rafter is separated from the top plate of the nonbearing wall.
- Install slot nails in the middle of the slot.
- Products not intended for floor applications due to the frequency of floor joist deflections and potential for squeaks.

Options:

- For alternative solutions, see SDPW on p. 353.

Codes: See p. 13 for Code Reference Key Chart

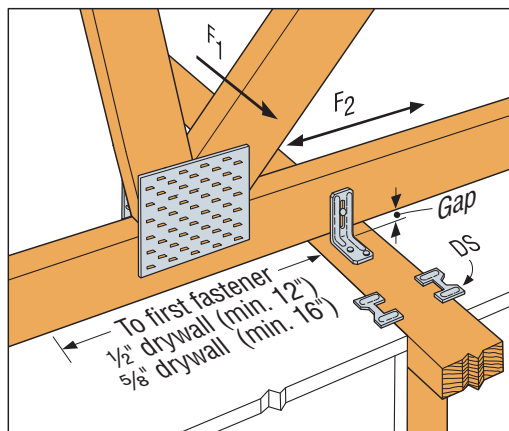


Model No.	Fasteners (in.)		Allowable Loads (160)						Code Ref.
	Base	Slot	Without Gap		¼" Max. Gap		¼" < Gap ≤ ½"		
			F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	
STC	(2) 0.131 x 2½	(1) 0.131 x 2½	70	55	35	30	25	40	IBC®, FL, LA
STCT	(2) 0.131 x 2½	(1) 0.131 x 2½	70	55	35	30	25	40	
DTC	(4) 0.131 x 2½	(2) 0.131 x 2½	125	200	80	125	55	70	

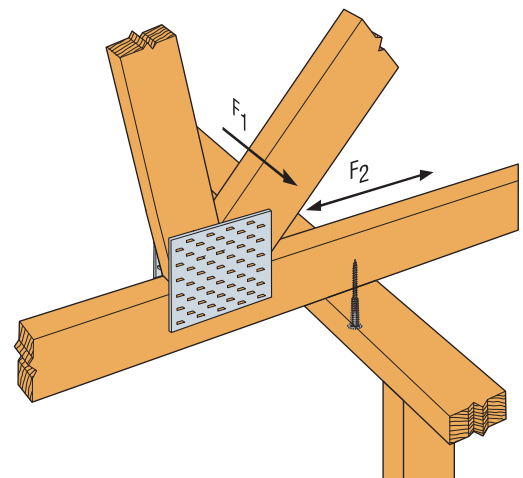
1. Loads may not be increased for duration of load.
2. Truss or rafter must bear on top plate to achieve the allowable loads under "Without Gap."
3. Clips are required on both sides of the truss to achieve F₁ loads in both directions (stagger parts to avoid nail interferences).
4. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.

Nails should not be driven completely flush against the connector, to allow vertical truss movement.

Allow ⅛" gap between nail head and truss clip to help prevent squeaking.



Typical STC Installation with DS
(see p. 326 for Drywall Stop)



Typical Strong-Drive® SDPW Deflector Screw Installation
(see p. 353 for more information)

STC/STCT/DTC Roof Truss Clips

For alignment control between a roof truss and nonbearing walls; the 1½" slot permits vertical truss chord movement when loads are applied.

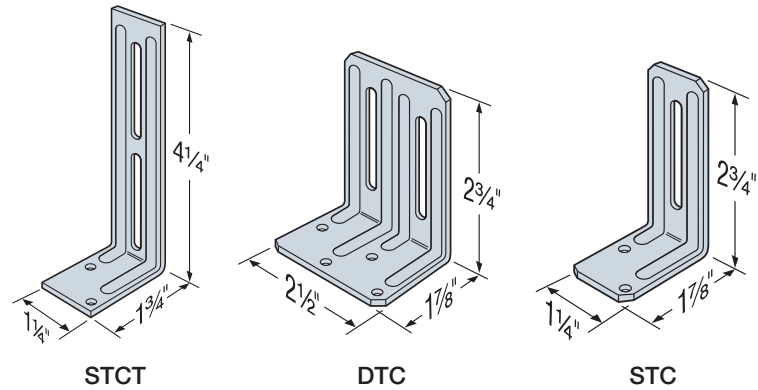
Material: 43 mil (18 ga.)

Finish: Galvanized (G90)

Installation:

- Use all specified fasteners; see General Notes
- Use STC or DTC depending on required loads
- STC/STCT/DTC may be used with proprietary material sections. Contact material supplier for specific installation details
- Use STCT where truss or rafter is separated from the top plate of the nonbearing wall
- Install slot screws in the middle of the slot

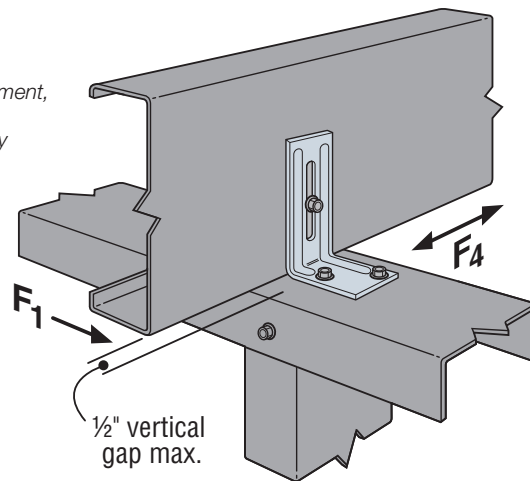
Codes: See p. 13 for Code Reference Key Chart



Model No.	Fasteners ³		Allowable Load 33 mil (20 ga.) (lb.)						Code Ref.
	Base	Slot	Without Gap		¼" Max. Gap		¼" < Gap ≤ ½"		
			F ₁	F ₄	F ₁	F ₄	F ₁	F ₄	
STC	(2) #8	(1) #8	185	35	135	35	75	35	IBC, FL, LA
STCT	(2) #8	(1) #8	—	—	—	—	—	—	—
DTC	(4) #8	(2) #8	200	160	200	160	145	160	IBC, FL, LA

1. Truss or rafter must be bearing on top plate to achieve the allowable loads under "Without Gap."
2. Clips are required on both sides of the truss to achieve F₁ loads in both directions (stagger parts to avoid screw interferences).
3. See the current *Fastening Systems* catalog at strongtie.com for more information on Simpson Strong-Tie fasteners.

To allow for vertical truss movement, screws into the truss or rafter should not be driven completely flush against the connector.



Typical STC Installation