

TC

Scissor Truss Connector

The TC truss connector is an ideal connector for scissor trusses and can allow horizontal movement up to 1/4". The TC also attaches plated trusses to top plates or sill plates to resist uplift forces. Typically used on one or both ends of truss as determined by the designer.

Material: 16 gauge

Finish: Galvanized

Installation:

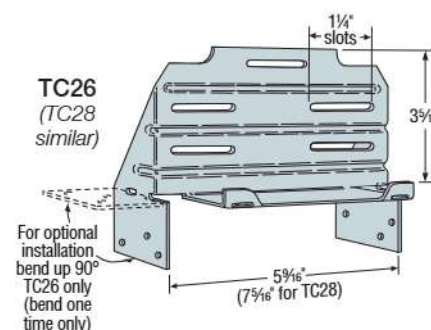
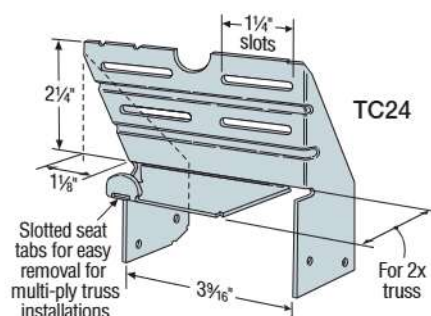
- Use all specified fasteners; see General Notes.
- Drive 0.148" x 3" nails into the truss at the inside end of the slotted holes (inside end is towards the center of the truss and clinch on back side). Do not seat these nails into the truss — allow room under the nail head for movement of the truss with respect to the wall.
- After installation of roofing materials nails may be required to be fully seated into the truss. (As required by the designer or Truss Designer.)

Optional TC Installation:

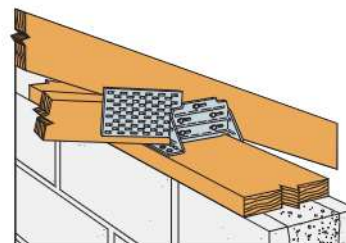
- Bend one flange up 90°. Drive specified nails into the top and face of the top plates or install Titen Turbo™ screws into the top and face of masonry wall. See optional load tables and installation details.

Codes: See p. 13 for Code Reference Key Chart

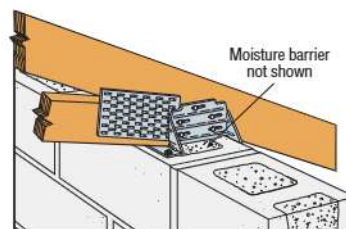
Web Applications: Visit app.strongtie.com/rws to access our Roof-to-Wall Selector web application.



Typical TC24 Installation



Optional TC26 Installation for Grouted Concrete Block using a Wood Nailer (8", 10", 12" wall installation similar)



Optional TC26 Installation for Grouted Concrete Block using Titen Screws

Model No.	Fasteners (in.)		DF/SP Allowable Loads	SPF/HF Allowable Loads	Code Ref.
	Truss	Plate	Uplift (160)	Uplift (160)	
TC24	(4) 0.148 x 3	(4) 0.148 x 3	350	300	IBC®, FL
TC26	(5) 0.148 x 3	(6) 0.148 x 3	575	495	
TC28	(5) 0.148 x 3	(6) 0.148 x 3	575	495	

See footnotes below.

Optional TC Installation Table

Model No.	Fasteners (in.)		DF/SP Allowable Loads	SPF/HF Allowable Loads	GFCMU Allowable Loads	Code Ref.
	Truss	Plate	Uplift (160)	Uplift (160)	Uplift (160)	
TC26	(5) 0.148 x 1 1/2	(6) 0.148 x 1 1/2	370	300	—	IBC, FL
	(5) 0.148 x 3	(6) 0.148 x 3	385	335	—	
	(5) 0.148 x 3	(6) 3/8 x 2 1/4 Titen Turbo	—	—	170	

1. Loads have been increased for wind or earthquake loading, with no further increase allowed. Reduce where other loads govern.
2. Grout strength is 2,000 psi minimum.
3. Nail values based on single 2x truss. 0.148" x 3" joist nails must be clinched.
4. Optional TC26 installation with 0.148" x 3" nails requires minimum 3" top-plate thickness.
5. **Fasteners:** Nail dimensions are listed diameter by length. Titen Turbo screws are Simpson Strong-Tie concrete and masonry screws. See pp. 23–24 for fastener information.