

TC – Truss Connector

Material: Carbon Steel 1.6mm thick

Finish: Z275 Galvanised



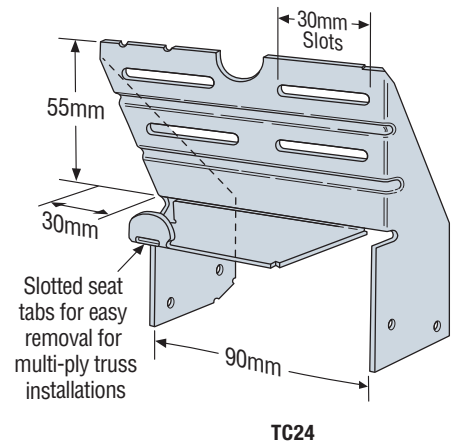
Size: See illustration on the right

Features & Benefits

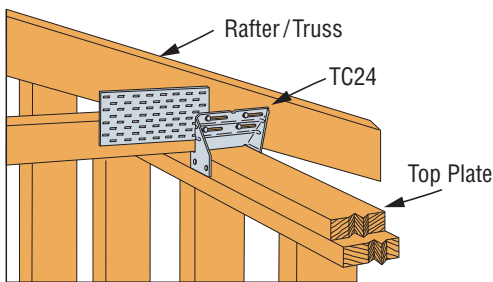
- Ideal for scissor trusses and can allow up to 30mm of horizontal movement
- Engineered swages for extra strength and to minimise deflections
- Slotted seat tabs for easy removal for multi-ply truss installations
- Attaches plated trusses to top plates and sill plates to resist uplift loads
- Suits 90mm timber
- Compatible with Strong-Drive® SD screws

Installation

- Use all specified fasteners
- Install nails into the truss at the inside end of the slotted holes (inside end is towards the centre 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® screws into the top and face of masonry wall. See optional load tables and installation details



Construction Details



TC Installation

TC Technical Data

Model No.	Fasteners (No. – Length x Dia., mm)		Design Uplift Capacity (kN) $k_t = 1.0$
	Truss	Plate	
TC24	4 – 38 x 3.75	4 – 75 x 3.75	1.94

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the NZ Strength Reduction Factor (ϕ), and applicable the k modification factors following NZS 3603 and (2) the Serviceability Capacity which is the load at 3.2mm joint slip. Design Capacity is the minimum of test data and structural joint calculation.
2. The Strength Reduction Factor (ϕ) is 0.80 for nails in lateral loading.
3. Duration of Load Factor (k_t) is as shown. Reduce Duration of Load Factor where applicable. Capacities may not be increased.
4. Timber species for joint design is seasoned Radiata Pine, which is New Zealand Joint Group J5 per NZS 3603 Table 4.1.
5. Nail values based on a single truss member with a minimum breadth of 38mm.