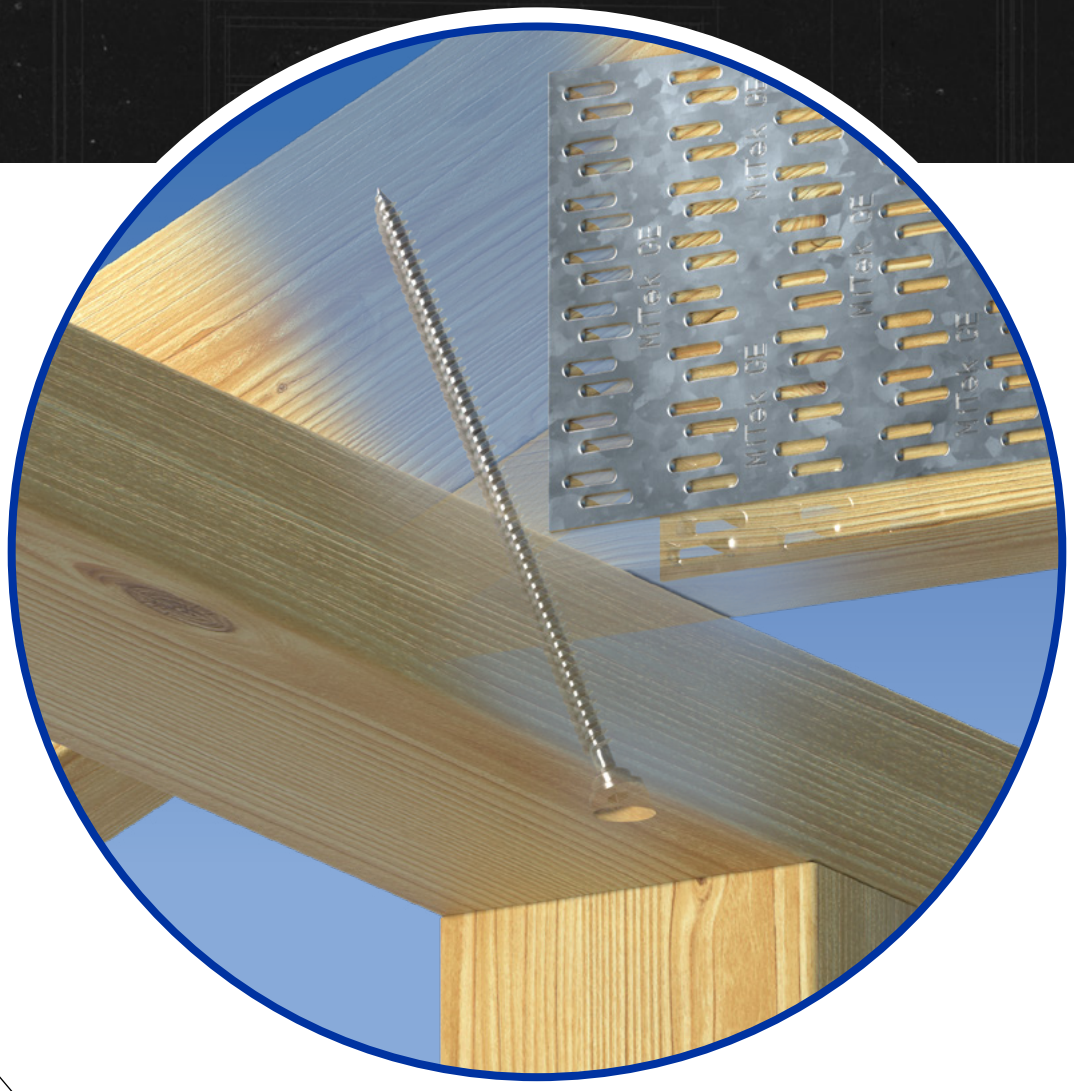
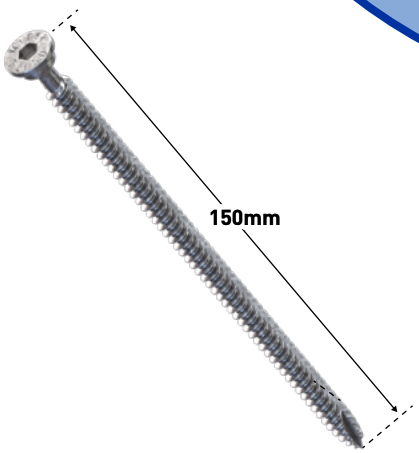
MiTek®

TRUSSLOK

FAST METHOD OF TYING DOWN TRUSS TO TOP PLATE.





This Certified **Engineered Building Product** complies with the National Construction Code and Australian Standards.

APPLICATIONS:

The MiTek TrussLok screw provides fast and secure truss to top plate connection to resist wind uplift.

ADVANTAGES

- Fully threaded shank provides better withdrawal resistance.
- Cutting tip for accelerated entry.
- Hexagonal drive bits are included in every box.
- Screw length and product identification stamped onto head for easy inspection.
- Zinc plated for corrosion resistance.
- Fully engineered and tested to Australian Standards.

SPECIFICATIONS:

Length	**150mm**
Coating	**Electro-galvanized**
Product Code	**TL150**

For durability information refer to **Corrosion Resistance of MiTek Metal Connectors**, available on the MiTek website.

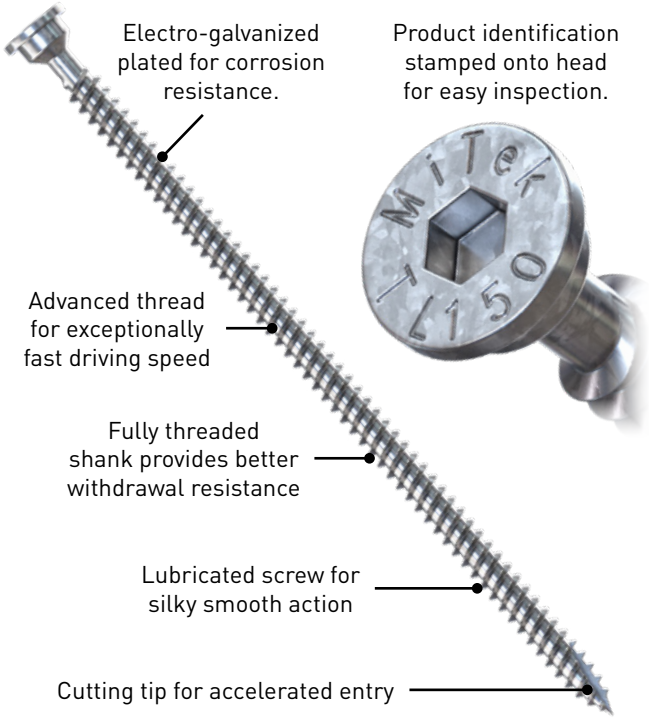
Table 1 - TrussLok Screw Uplift Capacity

Top Plate Thickness (mm)	Limit State Design Wind Uplift Capacity (kN) per TrussLok		
	Australian & New Zealand grown pine / JD4	Australian & New Zealand grown pine/JD5	Imported White Baltic Pine & European Spruce / JD6
35	3.1	2.6	1.9
45	3.8	3.1	2.3
70	5.2	4.2	3.1
80	4.4	3.5	2.6
90	3.5	2.8	2.1

1. Design capacities have been obtained from laboratory testing and procedures given in AS 1649.
2. Full design capacity is achieved when the screw is installed entirely inside the timber.
3. Design capacities in the tables incorporate the Category 1 factor (Ø) for houses. For other categories, multiply the design capacities by the following factors. Refer to AS 1720.1 for full definition of each category.

Category	1	2	3
Adjustment factor	1.00	0.94	0.88

4. Adopt JD4 values for LVL and hardwoods.
5. When the joint groups of truss and top plates varies, use value of the lower joint group for design.
6. Top plate thickness of 70, 80 and 90 are made up of multiple members in accordance with AS 1684. e.g.. 70 = 35+35, 80 = 35 +45 and 90 = 45+45.

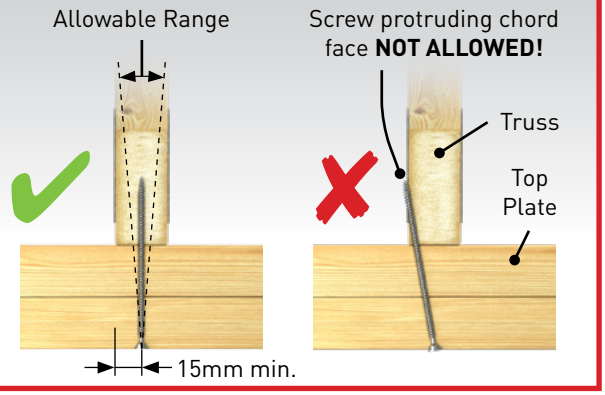


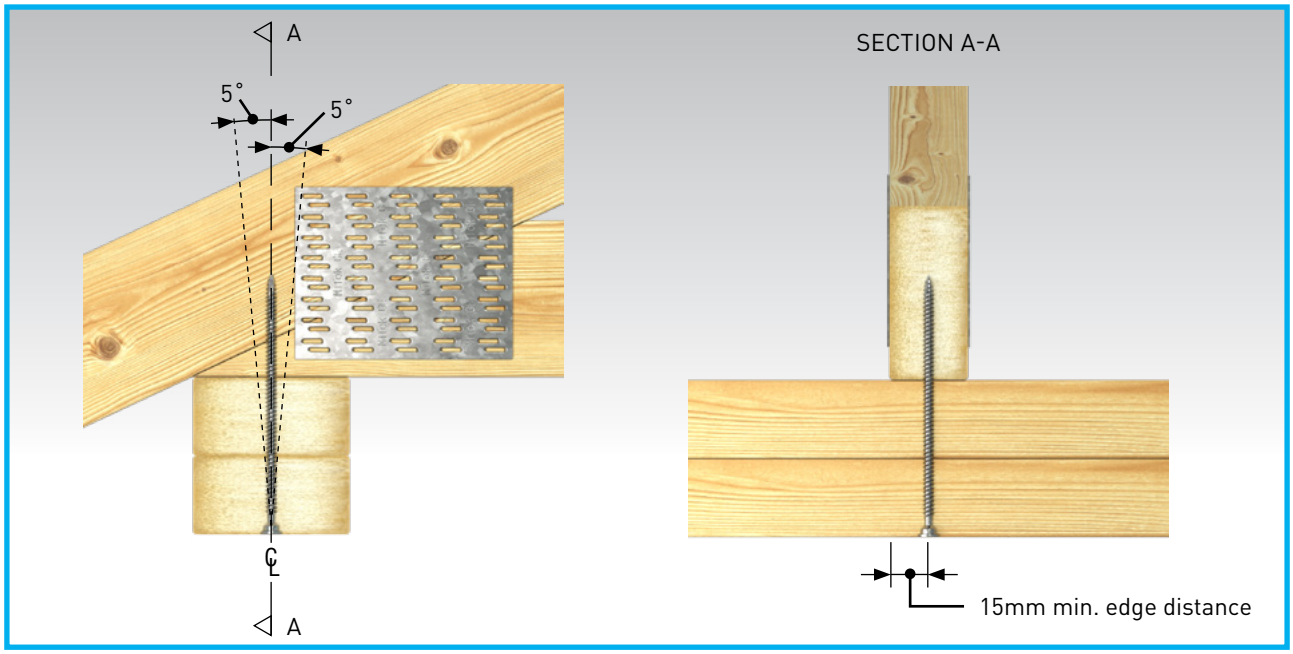
FIXING TO TRUSS BETWEEN STUDS

1. Position point of the TrussLok at centre of the top plate and minimum 15mm from the face of truss chord.
2. Drive the TrussLok straight up until the head of the screw is fully embedded into the top plate. The installed angle up to 5˚ each side of the vertical is acceptable.

IMPORTANT NOTE!

Ensure there is no screw point protruding the truss chord face to achieve full design capacity in Table 1.

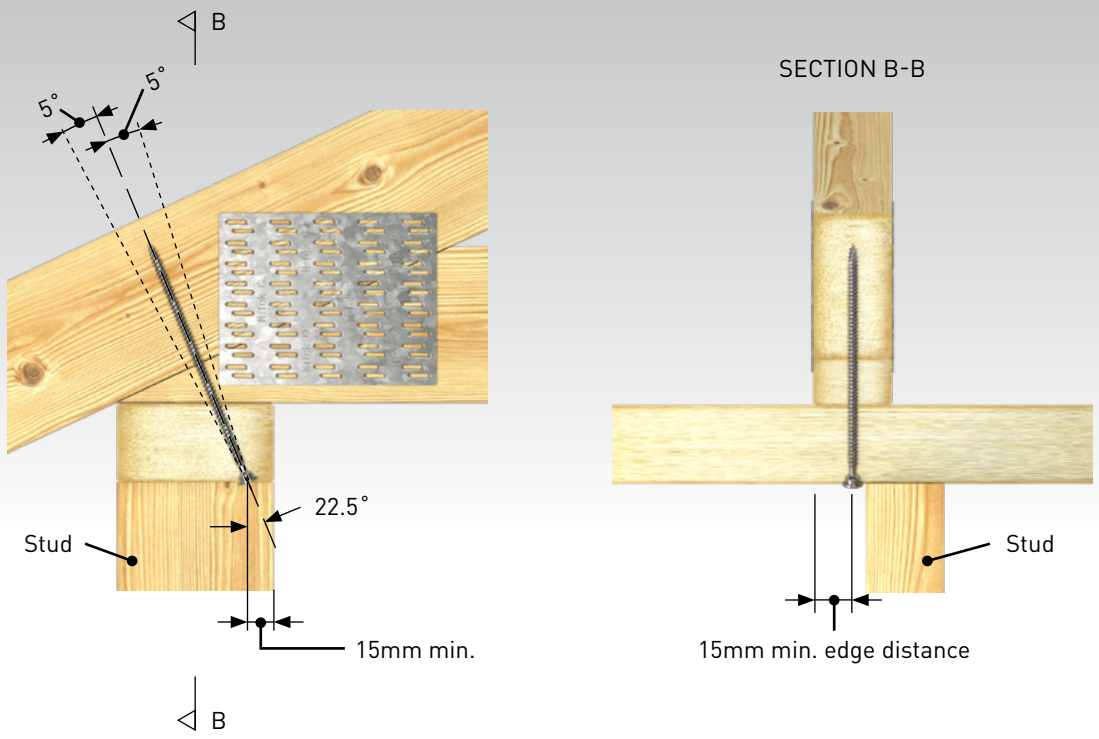




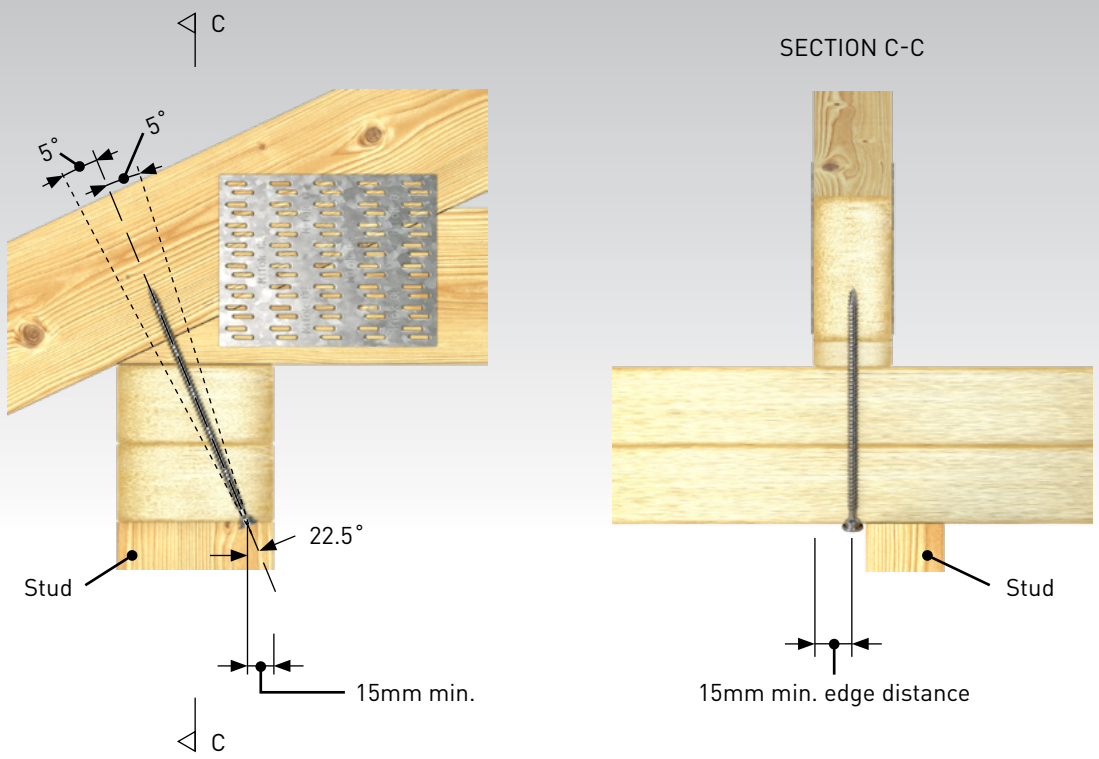
FIXING TO TRUSS BESIDE STUD

1. Position point of the TrussLok minimum 15mm from the edge of top plate and at an angle 22.5° ± 5° from the vertical.
2. Drive the TrussLok until the head of the screw is fully embedded into the top plate.

SINGLE TOP PLATE

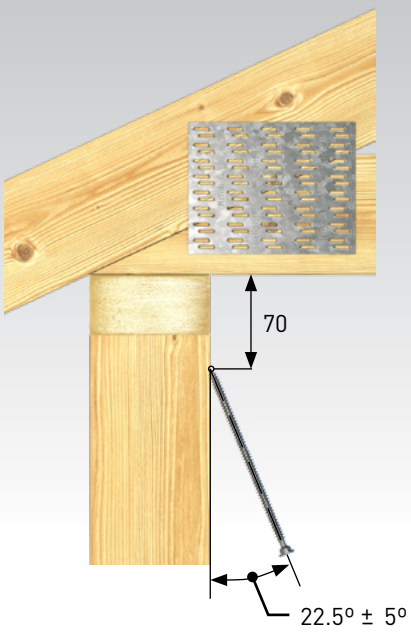


DOUBLE TOP PLATE

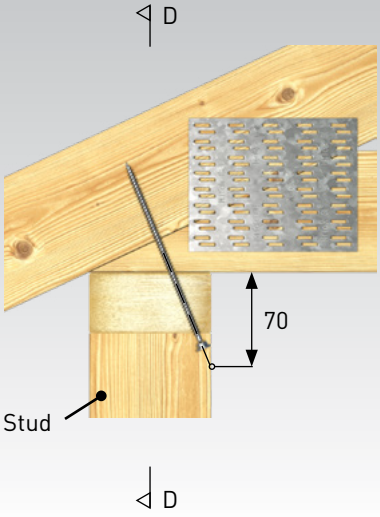


FIXING TO TRUSS ABOVE STUD

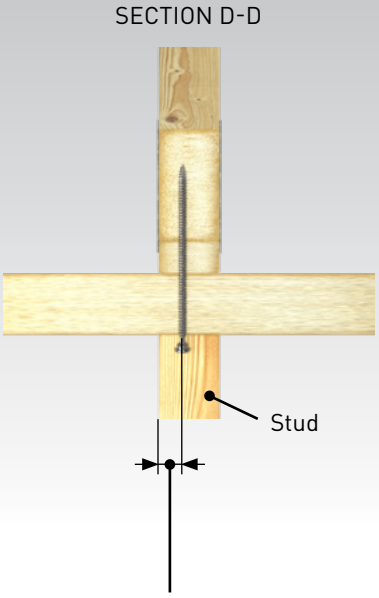
SINGLE TOP PLATE



Position screw tip against stud 70mm below top of wall at 22.5º ± 5º angle to vertical

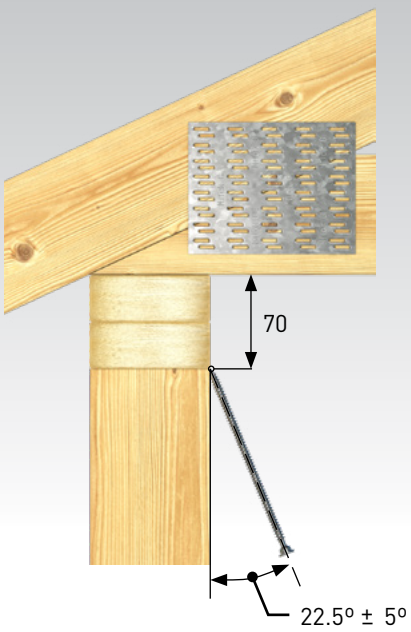


Drive the TrussLok until the head of the screw is fully embedded into the Stud

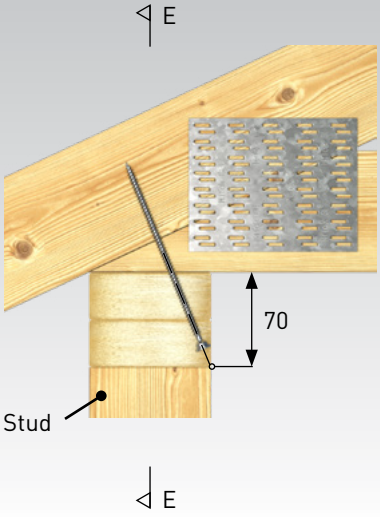


15mm min. edge distance

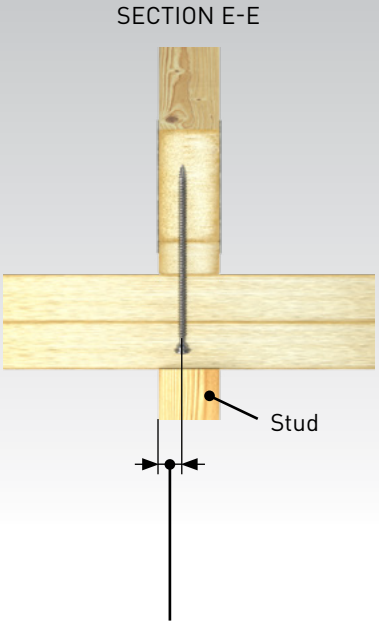
DOUBLE TOP PLATE



Position screw tip against lower top plate 70mm below top of wall at 22.5º ± 5º angle to vertical



Drive the TrussLok until the head of the screw is fully embedded into the lower Top Plate.



15mm min. edge distance

For more information about **MiTek's Engineered Building Products,** download the **FREE MiTek EasyCat App** or visit the MiTek website:

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