PRYDA FASTFIX™ TRUSS SCREW SYSTEM

QUICK GUIDE

The Pryda FastFix™ Truss Screw System is designed for site fixing of tie-down screws for trusses or rafters to frames and beams. The proprietary guide (FTSG FastFix Truss Screw Guide) positions the FastFix Truss Screw in the correct location for compliant installation every time.

The system complements Pryda SpeedTruss™ with site-based fixing of smaller trusses and rafters. Where SpeedTruss is not used, FastFix enables a complete site-based tie-down system using precisely installed, high-capacity screws.

This simplifies roof tie-downs, providing a safer, faster, easier, and fully compliant screw-based solution.

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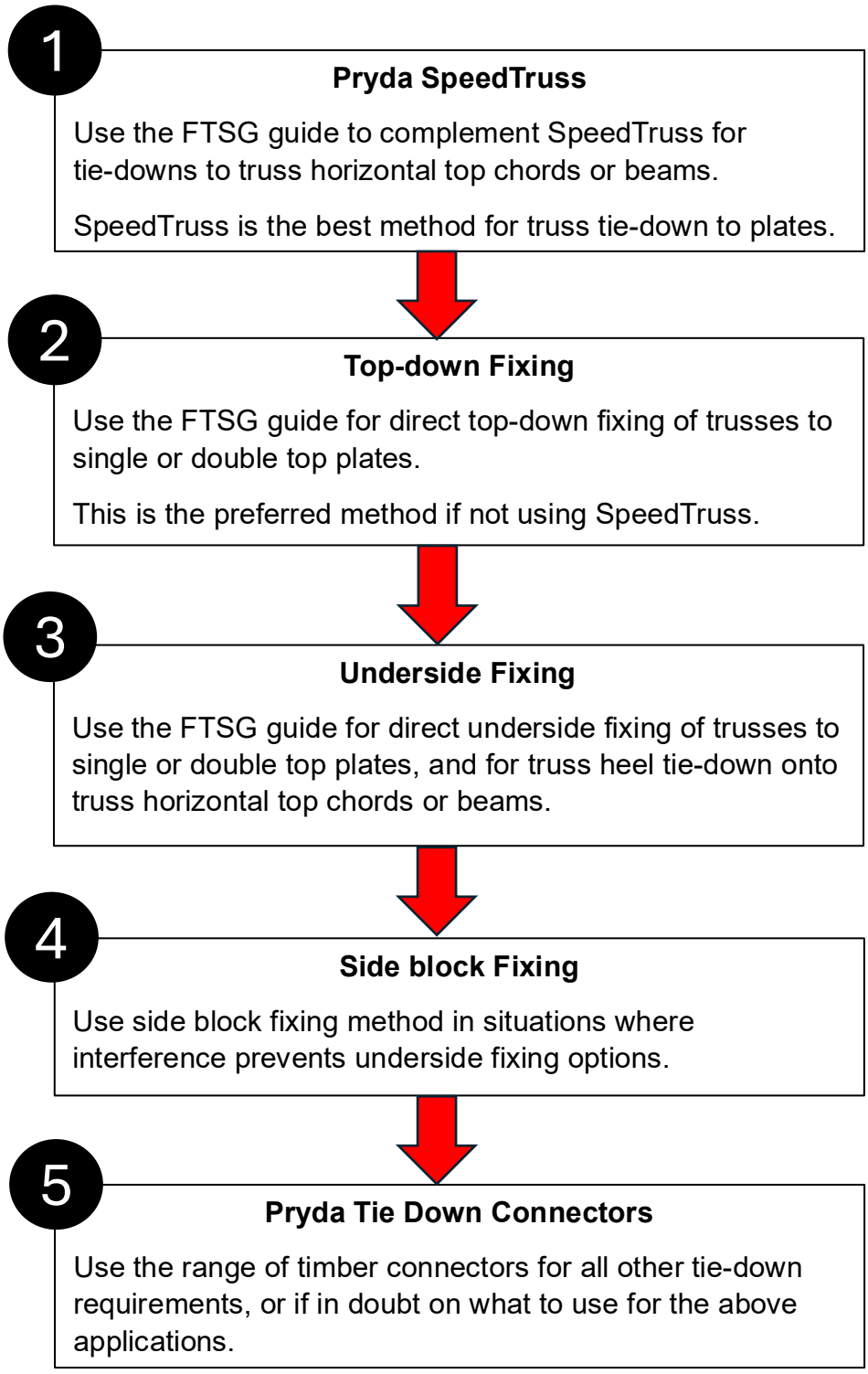
PREFERED TIE-DOWN METHOD SELECTION CHART



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QUICK GUIDE

Things to consider when using Pryda FastFix Truss Screw system.

Selecting a tie-down system during the design stage will save you money and time. Pryda recommends SpeedTruss™ for an efficient, time-saving, and safer installation for all roof truss projects. Pryda FastFix Truss Screw System is fully integrated into Pryda's software and compliance documentation and provides a site-fixed option with the same high capacity as SpeedTruss.

The Pryda FastFix Truss Screw System requires consideration as follows:

- Design and installation shall closely follow the details found within the Pryda FastFix Truss System technical guide. Please familiarise yourself with this technical guide before using the system for the first time.
- Pryda recommends top-down installation from a stepladder located inside the wall frame to minimise work at heights.
- The system is designed for 70mm or 90mm deep rafters and truss chords only. Alternate connectors should be used for deeper members.
- Timber quality near tie-down locations is important for site-installed screws. If timber defects are present, use an alternate tie-down connector. These defects include, but are not limited to knots, splits, wane, checks, imperfections, and pre-existing fractures from skew nailing. If screws are then used in the vicinity of above-mentioned defects/weak points, there is an increased chance of splitting the timber members. In addition, thin sections of timber such as tapered bottom chord members are more prone to splitting; however these are not typically structurally critical.
- In the unlikely event that the chord splits during installation, cease using the FastFix screw and seek an alternative tie-down connector from the fabricator or designer. Hairline cracks, in most instances, will still be structurally adequate. Refer to the Pryda Engineering Team for additional guidance if required.
- LVLs can be prone to split when fasteners are fixed through their edge, especially near end cuts. Pre-drilling a 6.5mm pilot hole is recommended. Alternatively, adopt side block fixing methods using structural soft woods to mitigate issues.
- High density timbers and deep members will require pre-drilling a 6.5mm diameter pilot hole on the centreline. This helps prevent misalignment of the screw during installation.

INSTALLATION USING PRYDA FASTFIX™ TRUSS SCREW GUIDE

IMPORTANT

To ensure code compliance, structural adequacy, proper alignment, accurate positioning, and to achieve the capacities shown in the Pryda FastFix Screw Truss System, **it is critical that the Pryda FastFix screws are installed using FastFix Truss Screw Guide every time**.

COMPLIANCE AND EASY IDENTIFICATION

The use of Pryda screw tags is highly recommended to assist in the easy verification of site fixed screws by certifiers for connections at height.

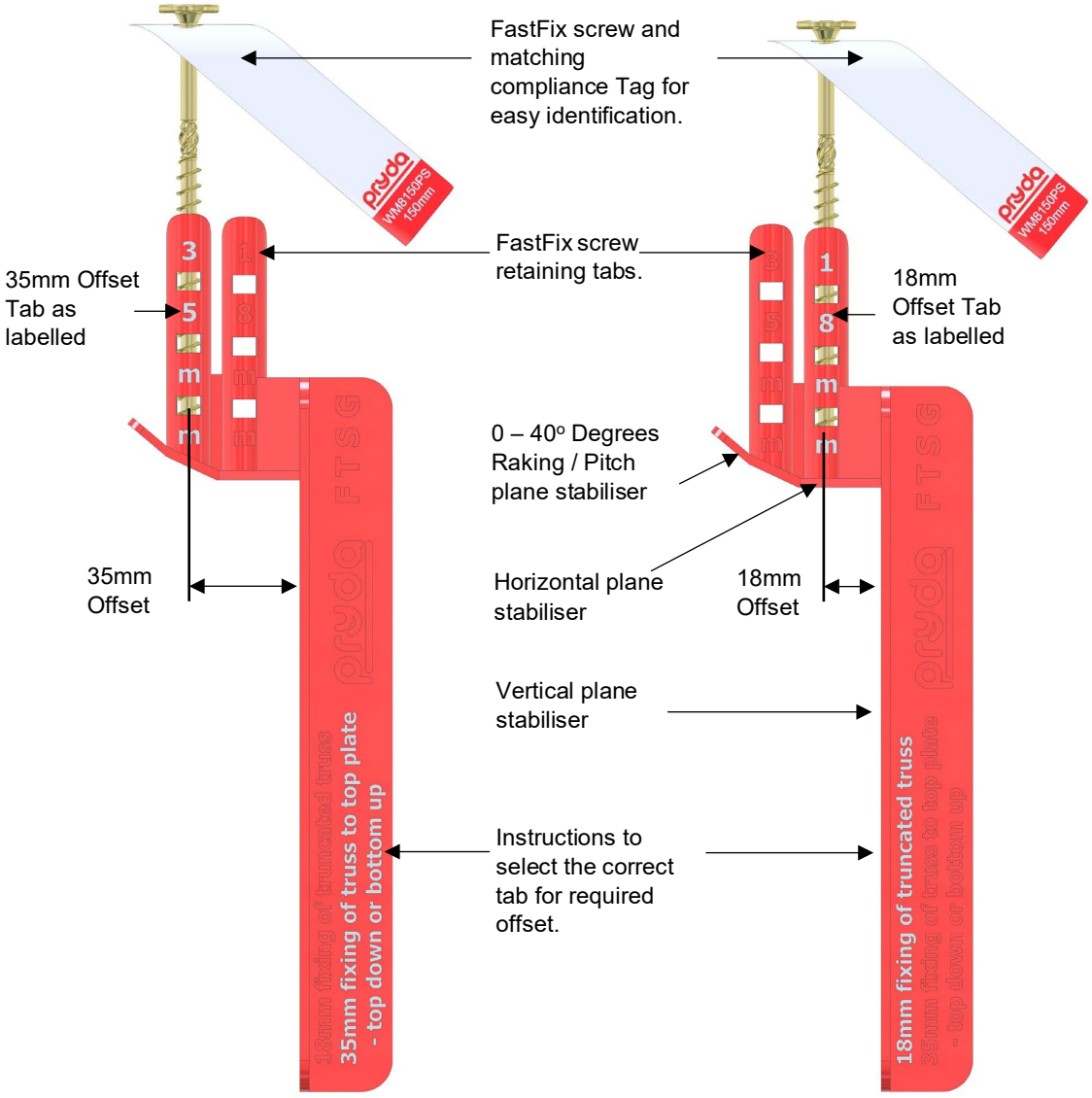
PRODUCT CODE	SIZE	PACK QUANTITY
FTSG	FASTFIX TRUSS SCREW GUIDE	20
WM8150PS	FASTFIX SCREW M8 X 150mm	200
WM8200PS	FASTFIX SCREW M8 X 200mm	150
TAG-150	ID TAG FOR 150mm SCREW	1000
TAG-200	ID TAG FOR 200mm SCREW	1000

Note: Alternative compliance identification methods can be used where Tags are not available. Pryda recommends using Tags for connections that are at height such as top chord extensions over truncated trusses for roof truss tie-down applications.

PRYDA FASTFIX™ TRUSS SCREW SYSTEM

QUICK GUIDE

PRYDA FASTFIX™ TRUSS SCREW GUIDE (FTSG) DESIGN FEATURES

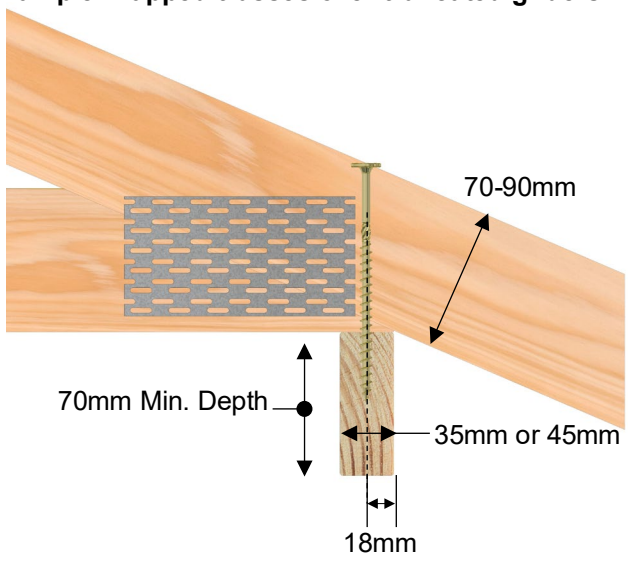


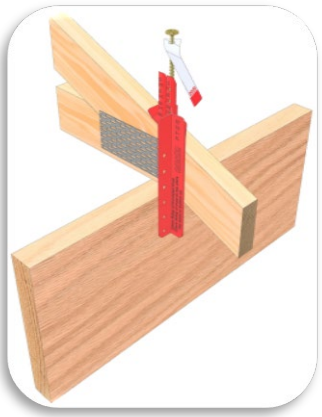
TRUSS HEEL TIE-DOWN ONTO TRUSS HORIZONTAL TOP CHORDS OR BEAMS (18mm OFFSET)

- 18mm offset screw guide is to be used with supporting timber that is 35mm to 45mm in width.

Truss heel joint over truncated horizontal top chord or beam

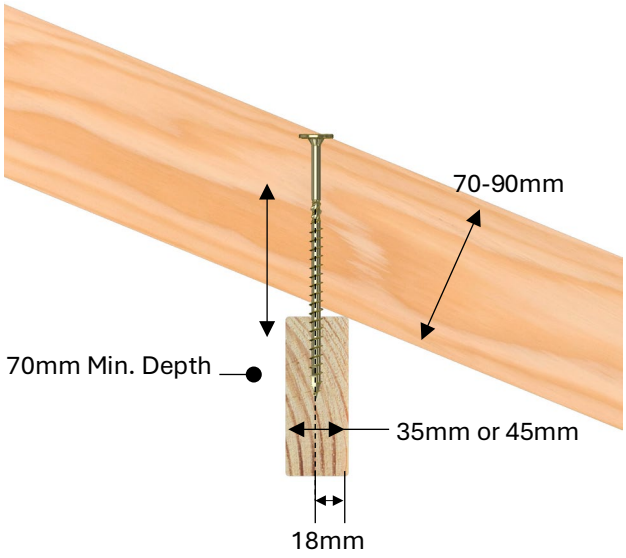
Example: Capped trusses over truncated girders

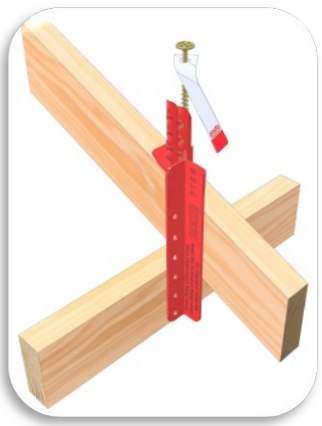




Compliance Tag should accompany each tie-down at height. Not shown in detail. Refer to full technical guide for design, connection requirements, and capacities.

Truss top chord extension or rafter over truncated horizontal top chord or beam





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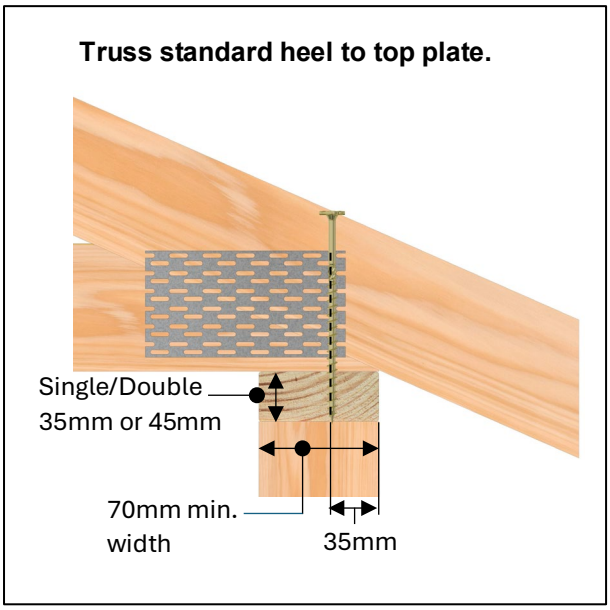
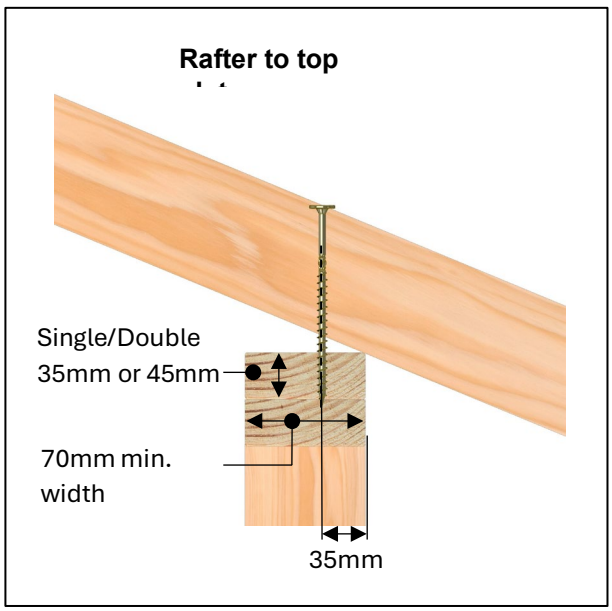
QUICK GUIDE

TOP-DOWN TIE-DOWN FOR TRUSS HEEL TO TOP PLATE FOR TIMBER TOP CHORDS NOT GREATER THAN 90mm (35mm OFFSET)

- 35mm offset screw guide is to be used with supporting timber that is 70mm to 90mm in width.
- Greater care and effort required as this is installed at heights above top plate.



Compliance Tag should accompany each tie-down at height. Not shown in detail. Refer to full technical guide for design, connection requirements, and capacities.



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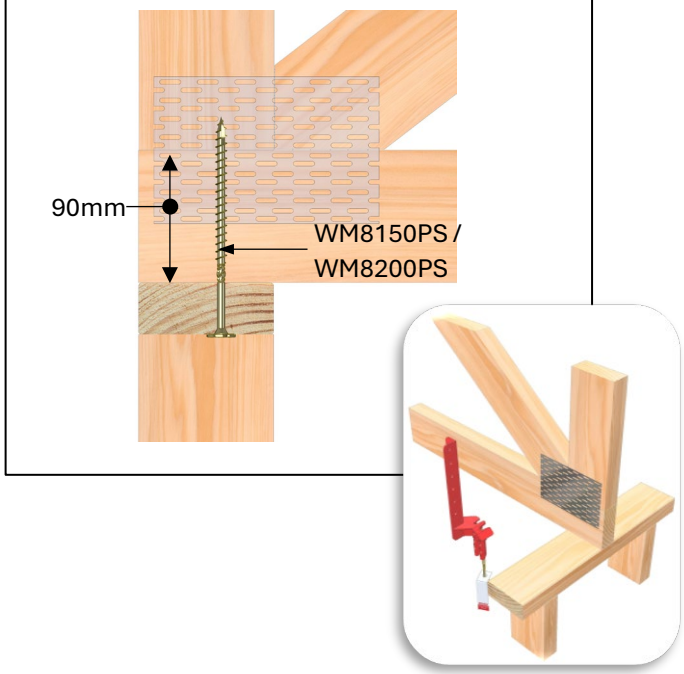
QUICK GUIDE

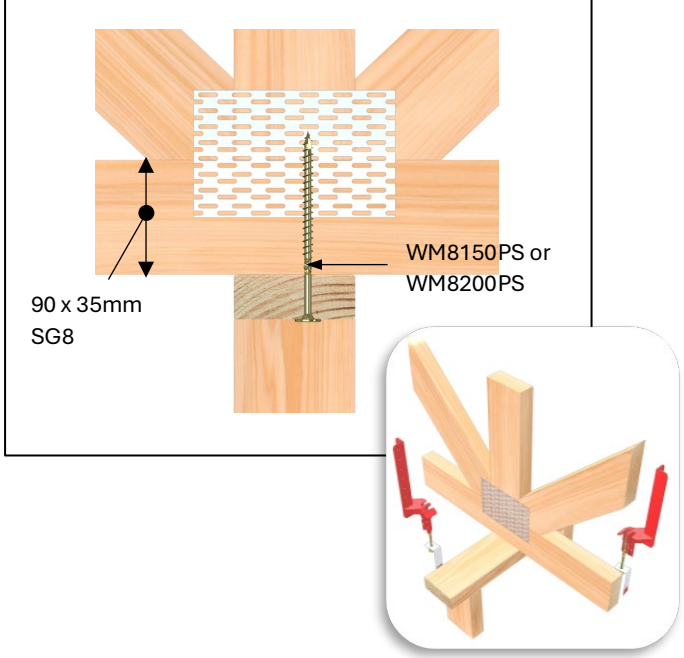
UNDERSIDE TIE-DOWN FOR SINGLE OR DOUBLE TOP PLATES TO TRUSS (35mm OFF-SET)

- Compliance Tag should accompany each tie-down at height. Not shown in detail. Refer to full technical guide for design, connection requirements, and capacities.

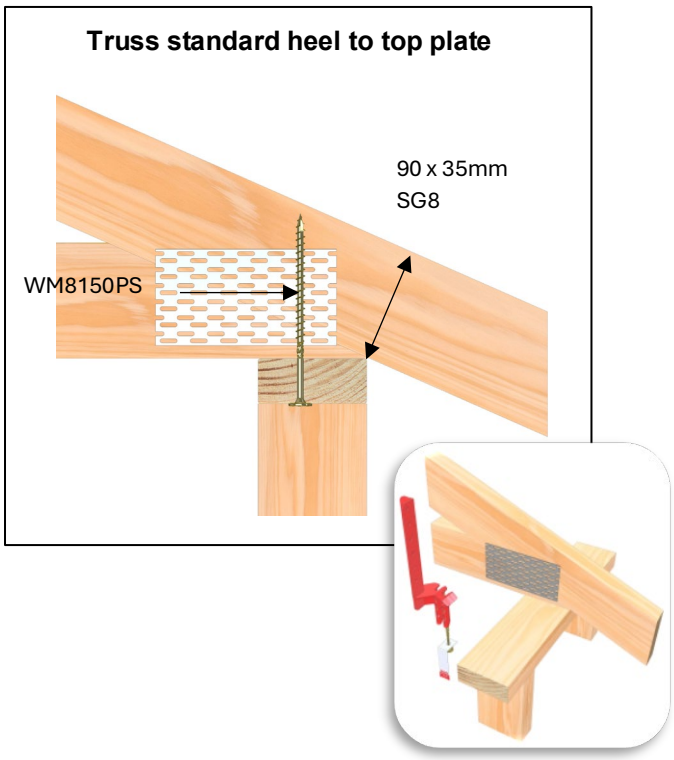
Cut-off Truss heel to top plate



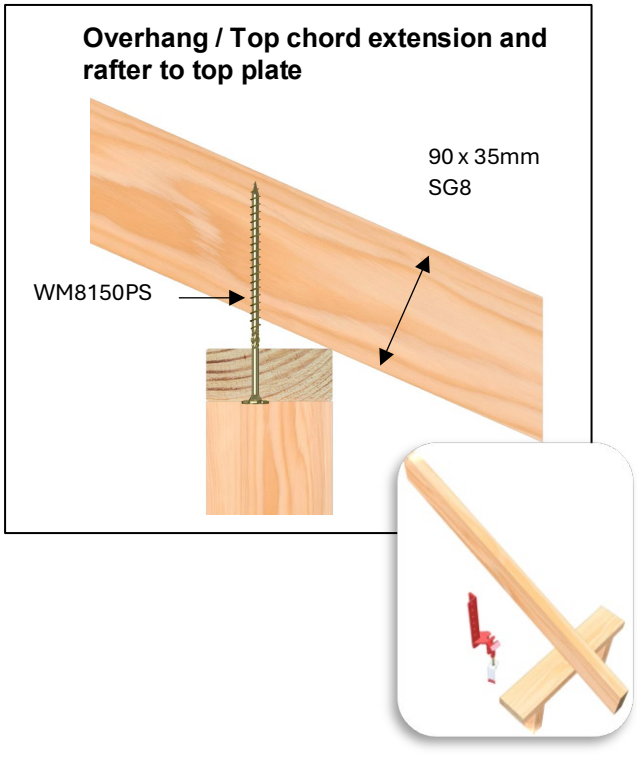
Internal support to top plate



Truss standard heel to top plate



Overhang / Top chord extension and rafter to top plate



SIDE BLOCK FOR EXTERNAL AND INTERNAL TRUSS SUPPORT AT LOCATIONS WHERE STUD OR LINTEL INTERFERENCE PREVENTS UNDERSIDE TIE-DOWN

- Compliance Tag should accompany each tie-down at height. Not shown in detail. Refer to full technical guide for design, connection requirements, and capacities.