TOP FLANGE HANGERS ITT/MIT/HIT/ITTM

COMPOSITE WOOD PRODUCTS HANGERS

SIMPSON Strong-Tie

This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

A dedicated range of Top Flange I-joist hangers meeting the unique needs of I-joists while offering superior performance and ease of installation.

ITT - Bend Tab Nailing

Nail the ITT's special bend-tab with 10dx1½" nails at a slight angle into the bottom flange of the I-joist when web stiffeners are not used. The bend tab can also be nailed directly into the web stiffener. This constrains the I-joist, helping to reduce squeaks resulting from joist movement. Reduced embossing on the ITT's top flange, and the hanger height sized less than the joist height allow easier fitting for smooth floor alignment.

MIT/HIT - Patented Positive Angle Nailing

This feature is specifically designed for wood web I-joists when used with the MIT or HIT. With Positive Angle Nailing (PAN), the slotted hole material is not removed, but is used to channel and confine the path of the nail to the optimum angle. PAN minimizes splitting of the flanges while permitting time-saving nailing from a better angle.

ITTM masonry-to-wood connectors can be directly embedded into a grouted block wall. It can also be installed on top of a masonry or concrete wall using Titen screws. See page 123 for ITTM installation notes.

See Top Flange tables on pages 83 to 95.

MATERIAL: ITT—18 gauge; MIT, HIT—16 gauge, ITTM—12 gauge top flange and 18 gauge stirrup

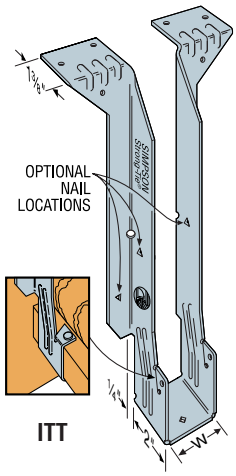
FINISH: Galvanized

INSTALLATION: • Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- ITT's face flange triangle hole *(optional)* secures hanger against header; optional diamond hole in seat allows further attachment of hanger to I-joist.
- ITT's bend-tab may be nailed unbent into plywood web stiffeners.

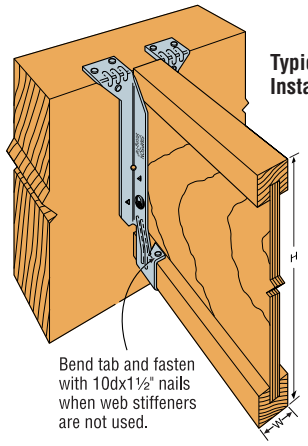
ALLOWABLE LOADS: • The ITT, MIT and HIT hangers have locations for optional nails if additional uplift is needed. Optional uplift nailing requires the addition of properly-secured web stiffeners. See the load tables for minimum required fasteners and allowable uplift loads.

OPTIONS: • Because these hangers are fully die-formed, they cannot be modified. However these models will normally accommodate a skew of up to 5°.
- Product tests show a 10% reduction in ultimate hanger strength when the joist is sloped to ½:12 when used with these hangers. Local crushing of the bottom flange or excessive deflection may be limiting; check with joist manufacturer for specific limitations on bearing of this type.

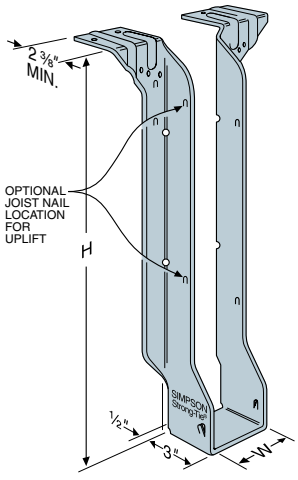
CODES: See page 10 for Code Listing Key Chart.



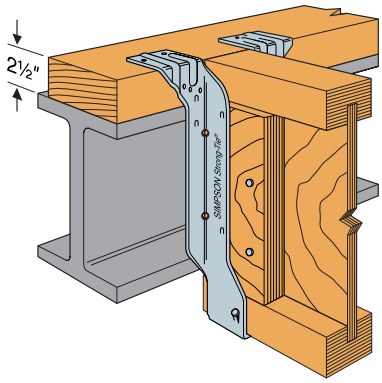
ITT



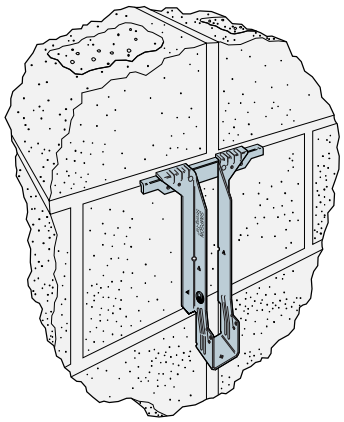
Typical ITT Installation



HIT

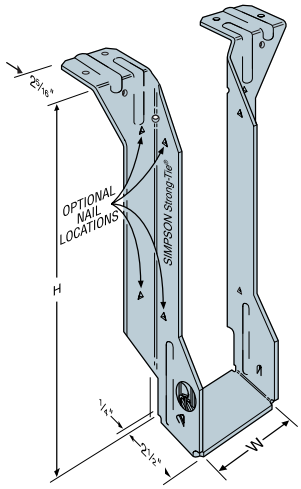


HIT Installation on a 3x Nailer mounted on a Steel Beam

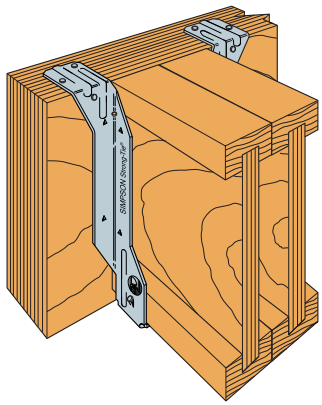


Typical ITTM Installed into Concrete Block *(No Titens required)*

U.S. Patent 5,555,694



MIT



Typical MIT Installed on a Double LVL

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