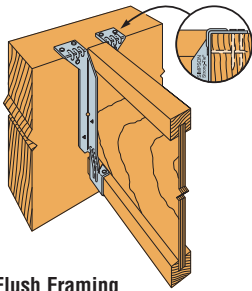


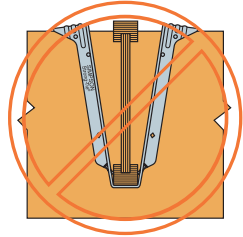
GENERAL CONNECTOR INSTALLATION

TOP FLANGE HANGERS



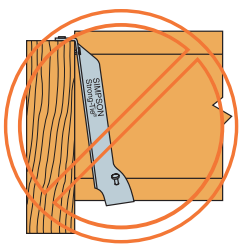
Flush Framing

Top flange configuration and thickness of top flange need to be considered for flush frame conditions.



Hanger Over-Spread

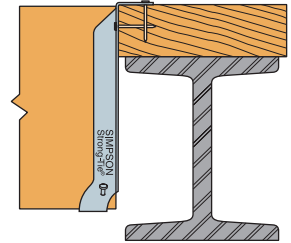
If the hanger is over-spread, it can raise the I-joist above the header and may cause uneven surfaces and squeaky floors.



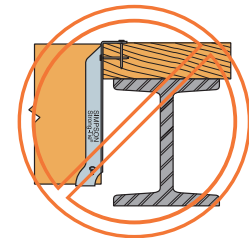
Hanger Not Plumb

A hanger "kicked-out" from the header can cause uneven surfaces and squeaky floors.

WOOD NAILERS

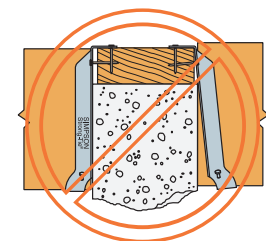


Correct Attachment



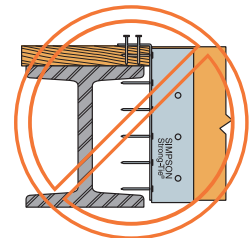
Nailer Too Wide

The loading may cause cross-grain bending. As a general rule, the maximum allowable overhang is 1/4", depending on nailer thickness.



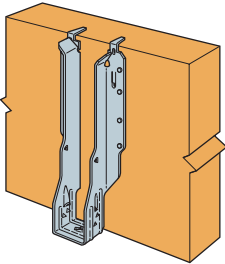
Nailer Too Narrow

A maximum mismatch of 1/8" for normal installations is allowed.



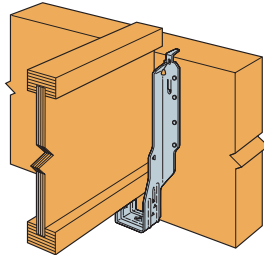
Nailer Too Thin or the wrong hanger for the application.

IUS INSTALLATION SEQUENCE



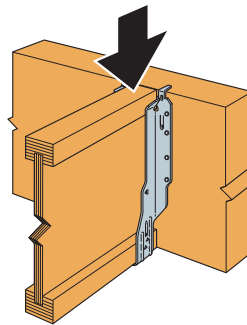
STEP 1

Attach the IUS to the header



STEP 2

Slide the I-joist downward into the IUS until it rests above the large teardrop.



STEP 3

Firmly push or snap I-joist fully into the seat of the IUS.

WOOD I-JOISTS

SLOPED JOISTS

For sloped joists up to 1/4:12 there is no reduction. For slopes greater than 1/4:12 see individual product pages.

MULTIPLE JOISTS

Multiple joists should be adequately connected together to act as one unit.

FASTENERS

Use the correct nails. Wood may split if the nails are too large. Hanger nails into flanges should not exceed 10d common (0.148 dia.), no longer than 1 1/2". Nails into web stiffeners should not exceed 16d commons (0.162 dia.).

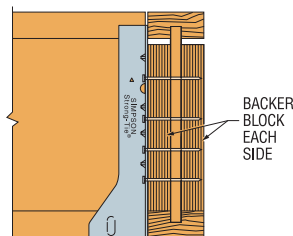
ECCENTRICALLY-LOADED I-JOISTS

Supporting a top flange hanger may require bottom flange restraining straps, blocking or directly-applied ceiling systems to prevent rotation at the hanger location.

SKewed JOISTS

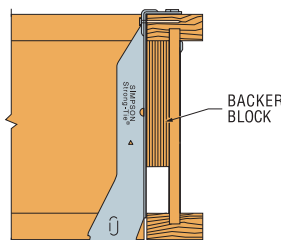
Joists may be skewed up to 2 1/2 degrees in a non-skewed hanger without any load reduction. Refer to individual hanger descriptions for information allowing any further skew applications.

NAIL PATTERN



Face Mount Hanger

I-JOIST HEADERS



Top Flange Hanger

When face mount hangers are attached to I-joist headers, backer blocks must be installed to provide a nailing surface for the hanger nails. The backer blocks should be installed on both sides of the web and attached together with a minimum of 10-10d nails. The hanger nails should extend through the web. Contact the I-Joist manufacture for additional design considerations.

When top flange hangers are attached to I-joist headers, a backer block must be installed to prevent the top flange from rotating under load. The backer blocks should be installed with a minimum of 10-10d nails clinched. Check with the joist manufacture for additional design considerations.