

# JES: JOIST END SUPPORT

## Part of the I-Loft™ System



The JES is a two piece metal-work system which enables the use of engineered timber I-joists in loft conversions, offering a safe and economic alternative to the traditional method which requires steel girders.

It provides reinforcement to the joist ends where they are cut to fit within the eaves of the existing roof trusses.

The I-Joists are installed from wall plate to wall plate, which means there is no need for a costly Party Wall Agreement.



### Why Convert Lofts Using I-Joists?

- No need to install steel girders
- No need to hire a crane
- I-joists installed from wall plate to wall plate
- No need for a Party Wall Agreement
- Light weight
- Loft conversions also possible in timber frame houses



No RSJ



No Crane Hire



No Party  
Wall Agreement

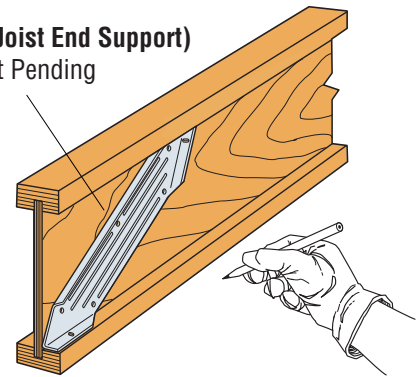
## INSTALLATION

### Stage One

Use the JES as a template to mark the cut line and fastener hole positions on the end of the I-joist as shown, ensuring that the ends are flush.

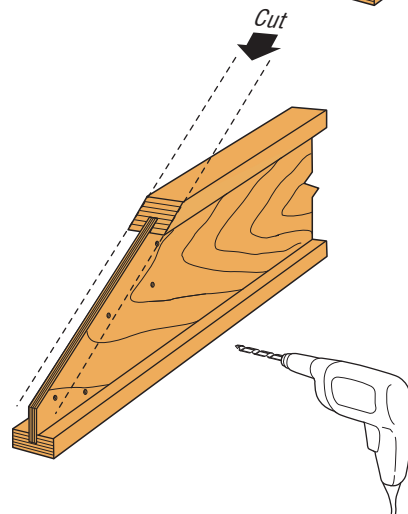
Remove the JES before cutting and drilling the I-joist.

**JES (Joist End Support)**  
Patent Pending



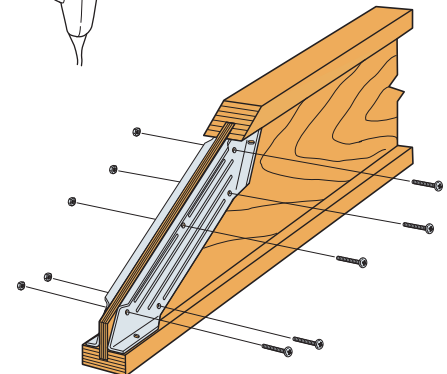
### Stage Two

Cut and drill the I-joist. Use a 6mm diameter drill bit to create the holes.



### Stage Three

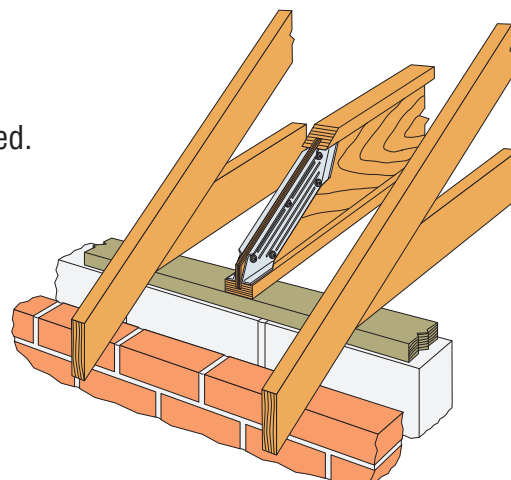
Securely install a JES on both sides of the I-Beam using the M6 x 30mm stainless steel Hex bolts and nylon washers supplied. Note the position of the lip on the JES which must be installed with the lip following the top-most edge of the adapted I-joist.



### Stage Four

Position I-joist in between the existing trusses as shown, ensuring that a minimum 90mm of end bearing is achieved.

Joist layouts will vary - please refer to engineer responsible for floor design.



**Note:**

Additional packing on wall plate may be necessary to allow joist deflection.

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