



JJI-Joists



Superior I-Joists from the first purpose-built production line in the UK.

A JJI-Joist is a composite engineered timber joist combining 45mm deep high-grade finger jointed softwood flanges (C24) with a 9mm thick oriented strand board (OSB/3) web. Four flange widths are available at 47, 63, 72 and 97mm wide. Using advanced technology these components are combined to produce an innovative alternative to conventional construction timber with many advantages. JJI-Joists are produced on two purpose-built I-Joist production lines to UK preferred dimensions.

- ▶ Extremely stable – resistant to shrinking and warping
- ▶ Excellent strength to weight ratio – capable of spanning long distances
- ▶ Solution for CSH 3-6, Green Guide A+ rating for common constructions
- ▶ Sustainable timber supply (FSC & PEFC)

Range & Specification

JJI-Joists are available in a range of sizes familiar to the UK Construction Industry with joist depths ranging from 145mm to 450mm. JJI-Joists are constructed from 9mm OSB web and C24 softwood flanges ranging from 47mm to 97mm in width.

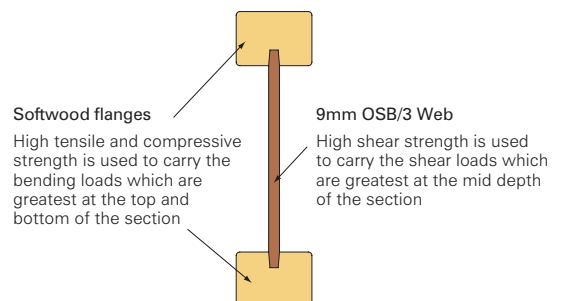
Due to the unique form of the JJI-Joist TRADA ETA certification, it is possible to design and produce large volumes of non-standard JJI-Joists to allow for particular span and depth situations that cannot be covered by the standard range.

JJI-Joists are available from a network of Authorised Distributors throughout the UK and Ireland, who offer an estimating and design service inclusive of JJI-Joist layout plans, engineering calculations and material costings. JJI-Joists can also be supplied through selected timber frame kit manufacturers throughout the UK and Ireland, who can offer JJI-Joists as an element of their structural timber frame kits.



**James Jones
& SONS LIMITED**
TIMBER SYSTEMS DIVISION

JJI-Joist Composition





Product Range Table

| Joist Depth (mm) | JJJ-Joist Flange Sizes (mm) | | | | Timber Grade |
|------------------|-----------------------------|----------|---------|---------|--------------|
| | A+ 47 | B+ 63 | C 72 | D 97 | |
| 145 | ✓ | | | | C24 |
| 195 | ✓ | ✓ | ✓ | ✓ | C24 |
| 220 | ✓ | ✓ | ✓ | ✓ | C24 |
| 235 | ✓ | ✓ | ✓ | ✓ | C24 |
| 245 | ✓ | ✓ | ✓ | ✓ | C24 |
| 300 | ✓ | ✓ | ✓ | ✓ | C24 |
| 350 | | | ✓ | ✓ | C24 |
| 400 | | | ✓ | ✓ | C24 |
| 450 | | | | ✓ | C24 |

JJI-Joists are available in a comprehensive range of sizes, designed specifically for the UK market. JJI-Joists are available in 8, 9, 10 & 12m standard lengths, bespoke lengths are also available to order.

Product Tolerances

| Member Dimension | Tolerance (mm) |
|--------------------------|----------------|
| Overall Joist Length | +/- 3.0 |
| Overall Joist Depth | +/- 2.0 |
| Flange Thickness / Depth | +/- 2.0 |
| Web Thickness | +/- 0.8 |

