



easi-joist<sup>®</sup>

Metal Web Floor System



**Wolf Systems** provide market leading timber engineering products and software solutions for every aspect of Whole House Timber Engineering.

In addition to providing market leading roof design software, Wolf provide a comprehensive range of products and unrivalled support for the manufacture and supply of engineered trusses, floors and wall panel design.



## Introduction

easi-joists® are parallel chord trusses utilising stress graded timber chords.

These chords are plated together with a precision engineered and manufactured structural component called the metal web, these when combined form the easi-joist®.

The easi-joist® combines the lightness of timber with the structural qualities of the metal web, together these two components offer an opportunity for designing commercial, domestic and industrial floor applications with spans equal to and exceeding traditional timber joists and their equivalent timber alternatives, but with better damping and stiffness qualities.

easi-joist® is a precision designed and manufactured floor system, that is designed to make floor joist manufacture faster, more cost effective and easier to install.





## Features:

- easi** factory manufactured, made to measure.
- easi** long continuous spans, reducing or eliminating the need for intermediate support walls.
- easi** light and easy to handle.
- easi** increased spacing centres.
- easi** dimensional stability.
- easi** design accuracy through specialist software.
- easi** trimmable ends to facilitate installation where bearing support is inconsistent.
- easi** wide nailing surface making the nailing and gluing of decking quicker and more accurate.
- easi** improved floor performance.
- easi** stiffness and strength built into the floors improving floor rigidity.
- easi** reduced labour rates.



The easi-joist® floor system offers clear benefits over sawn timber and other engineered floor joist systems flooring systems. Not only does it out perform sawn timber in span and dimensional stability, the added benefits of a greater bearing area and open web system makes it easier to install for the carpenter, plumber and electrician, reducing valuable time and cost.

As joists can run over longer spans and come to site ready cut along with a custom designed plan, the potential for confusion or errors is essentially removed.

## Benefits

### Open web design

This allows for easier more practical installation of services including waste water pipes, electrical cabling, heating pipes and other services. Also, no hole locating or drilling, limits any possibility of incorrect workmanship and reduces labour costs.

### Light weight

The combination of smaller timber sections with the light weight metal web means the finished product is lighter than timber and much lighter than timber equivalents.

### Handling and installation

The large bearing surface allows for a speedy setting out of joists, improves joist stability when laying out joists and enables easier fixing of decking materials.

### Long-term stability

The reduced sections used in the manufacture of the easi-joist® combined with the metal web means; less moisture loss and shrinkage is experienced meaning a quieter and longer lasting floor system.

### Reduced site wastage

Precisely manufactured easi-joists® virtually eliminate all site alterations and standard timber sizes ensure materials are readily available.

### Improved sound and vibration

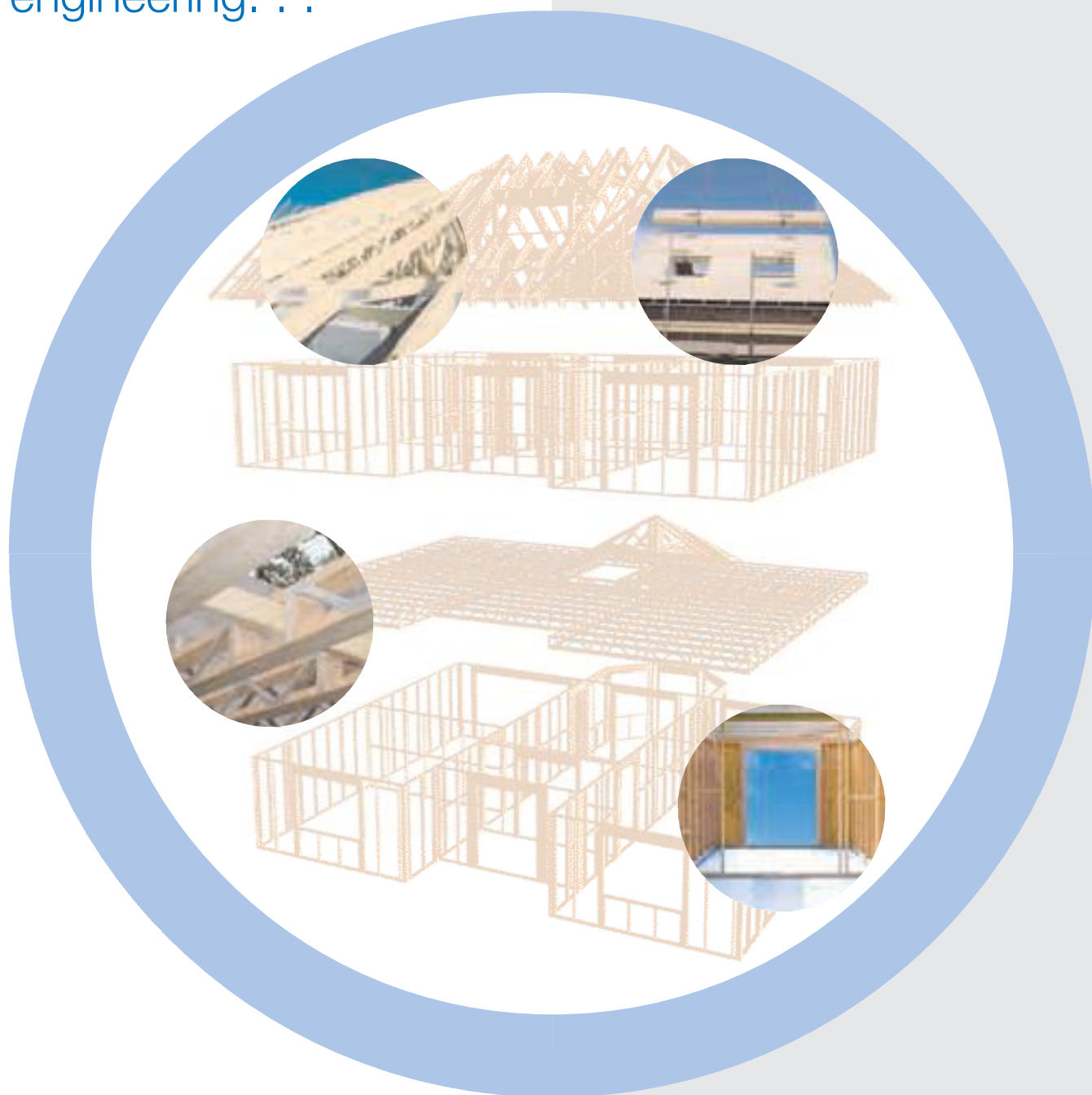
The metal web floor system allows for the installation of a rigid Strongback that reduces vibration and improves the overall performance of the floor.

### Design software

Integrated design and layout software enables floors to be drawn, engineered, detailed, costed and manufactured from one package.



Whole house timber  
engineering. . .



. . .all under one roof



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