

ETA

European Organisation for
Technical Approvals

ETA - 07/0032

robust details

E-FT-3 APPROVED

for use in flats and apartments as a separating floor.

iab

Bord Agrément na hÉireann
Irish Agrément Board

Certificate No: 07/0280
EasiJoist
easi-joist®



FLOORS
WALLS
FLAT ROOFS
PITCHED ROOFS

easi-joist®



E & H Baxendale Limited

263 Spendmore Lane, Coppull, Nr. Chorley,
Lancashire, PR7 5DF

T 01257 791264

F 01257 794115

mail@eandhbaxendale.com

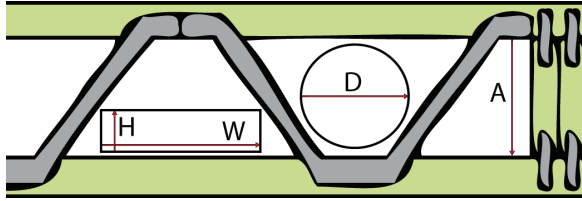
www.eandhbaxendale.com

TRUSSED RAFTER
ASSOCIATION



What is easi-joist®?

easi-joists® are parallel chord trusses utilising stress graded timber chords which are plated together with a precision engineered and manufactured structural component called the metal web.



Web Size	WS200	WS250	WS300	WS400
Depth (47mm Timber)	219	254	304	417
A (mm)	125	160	210	323
D (mm)	100	150	200	280
H (mm)	W (mm)	W (mm)	W (mm)	W (mm)
50	300	300	330	500
100	100	200	250	410
150	50	70	170	330
200	N/A	N/A	70	250
250	N/A	N/A	N/A	170
300	N/A	N/A	N/A	70

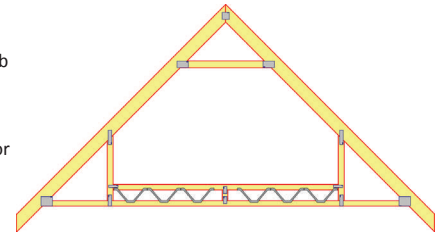
easi-joist® Roof Joists

easi-joist® can be used to create flat roof structures as a lighter, more insulating alternative to solid sawn timber providing easy access for service runs, and by adding extra columns over the external walls the joist may be cantilevered by up to 1/3rd the internal span. Also by redesigning the end column configuration, easi-joist® can be designed to create a roof with a pitch of between 0° and 60° that can be installed onto a wallplate or ridge beam without the need for a bevelled wallplate or special metalwork item.

easi-joist® Attic Truss

The easi-joist® attic truss brings together the readymade room you get with a standard attic truss with the open web floor joist of the easi-joist®. By integrating the metal webs into the bottom chord of the room you can now install services with ease because remember you can't cut, drill, or notch trusses.

Unlike standard attic trusses which have a maximum bottom chord depth of 222mm the easi-joist® attic can have for example an overall bottom chord depth of around 354mm using a WS250 web with 97mm deep top and bottom floor joist chords. The reason for this is that the chords must be rotated from their usual easi-joist® configuration to match the rest of the timber used in the construction of the attic truss.



easi-joist® Walls

easi-joist® can also be used to form stud walls in timber frame structures, achieving wall widths and greater dimensional stability not possible with standard solid timber, resulting in panels being less affected by shrinkage and moisture content. Also the greater wall depth allows for increased levels of insulation to be easily incorporated within the wall panel, while the open webs make the routing of services such as cables and pipes far easier.

easi-joist® Floor Joists

The original and most popular use for easi-joist® is as a floor joist, facilitating the installation of services through the floor zone. 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. easi-joist® can run over longer, continuous spans and will come to site ready cut along with a custom designed plan, therefore the potential for confusion or errors is essentially removed.

easi-joist® is approved by **robustdetails** under E-FT-3 for use in flats and apartments as a separating floor, and has also attained European Technical Approval (ETA) under European Technical Standard 07/0032 allowing them to be used in any European member state.



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 its timber equivalents.

Handling and installation

The large bearing surface allows for 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 shrinkage is experienced meaning a quieter and longer lasting floor system.

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.



E & H Baxendale Limited

263 Spendmore Lane, Coppull, Nr. Chorley,
Lancashire, PR7 5DF
T 01257 791264
F 01257 794115
mail@eandhbaxendale.com
www.eandhbaxendale.com

TRUSSED RAFTER ASSOCIATION

