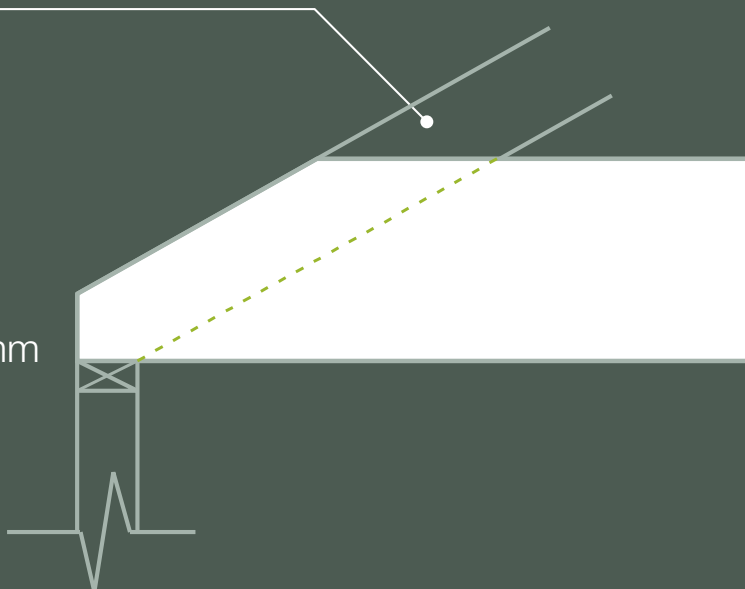




rafter

Chamfer cut should not be less than 1:3

For roof beams, min end depth = 90mm



CHAMFERED E-BEAM INSTALLATION GUIDE

Features

- Tested to ensure compliance with all the relevant Australian Standards
- Can easily be cut on-site
- Engineered for straightness and consistent performance
- High strength yet lighter and safer to use
- Arrised edges for safer and more comfortable handling
- Manufactured from 100% certified sustainably sourced timber
- Fully supported by Wesbeam e-house software
- Manufactured in Australia by a wholly owned Australian company
- Wesbeam has full Chain of Custody aligned with the Responsible Wood (RW) Certification Scheme and Program for the Endorsement of Forest Certification (PEFC)

Wesbeam chamfered e-beam Roof Beams – the alternative to AS1684 end chamfer compliance details.

Wesbeam chamfered e-beam roof beams offer an alternative to the chamfer details specified in AS 1684.2:2021, where the specified end chamfer is a minimum end depth of 90mm or D/3 – whichever is the greater. Chamfered e-beam can be used in all roof beam applications including Strutting beams, Strutting/Counter beams, Strutting/Hanging beams and Counter beams

Testing of chamfered Wesbeam e-beam roof beams has shown that that the end chamfer limitations of AS 1684.2 do not apply to Wesbeam e-beam. Wesbeam e-beam roof beams can be chamfered so that the minimum end depth is 90mm for all roof beam applications.

Minimum End Chamfer

Minimum end chamfer for e-beam roof beams. Does not apply to roof beams less than 240mm deep.

Roof Beam Depth – D (mm)	Roof Beam Width – B (mm)	
	45	63
240	90	90
300	90	90
360		90
400		90

Span Tables

There is no need for separate Span Tables for chamfered e-beam roof beams. The published Wesbeam Span Tables for all e-beam roof beam applications still apply, including

- Strutting beams,
- Strutting/Counter beams,
- Strutting/Hanging beams and
- Counter beams

SPECIFICATIONS

Manufacture

Manufactured in accordance with AS/NZS 4357

Veneer

Thickness Constant through the product thickness
 Species Sustainably sourced timber
 Joints Outer 2 plies are scarf jointed
 Inner plies – scarf and/or butt jointed

Moisture Content

8% – 15% (at time of dispatch)

Dimensional Tolerances

Available on request

Straightness

Available on request

Density

650 kg/m³ (approximately)

Adhesive

Phenolic – AS2754.1:2016 - Adhesives for timber and timber products; Adhesives for manufacture of plywood and laminated veneer lumber (LVL)

Bond

Type A – AS/NZS2098.2:2012 - Methods of tests for veneer and plywood; Bond quality of plywood (chisel test)

Joint Group

JD3 – for nails, bolts and screws

Finish

Unsanded faces, sawn edges and chamfered edges

Branding

Each piece of Wesbeam chamfered e-beam LVL is branded at least once with the product name for identification and evidence of compliance with manufacturing control standards

Storage

Store on level bearers at maximum 1800mm centres well clear of the ground, and cover to keep dry but allow ventilation

Source

Sustainably sourced timber certified to AS4707 - Chain of custody for forest products

Treatment Condition

e2S (CodeMark certified for Termite & Borers resistance for use in the geographical locations in the South of the Tropic of Capricorn). Can be specified to H2 and H3 as per AS/NZS 1604.1:2021 Preservative treated wood-based products - Products and treatment to be used in any geographical location in Australia.



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