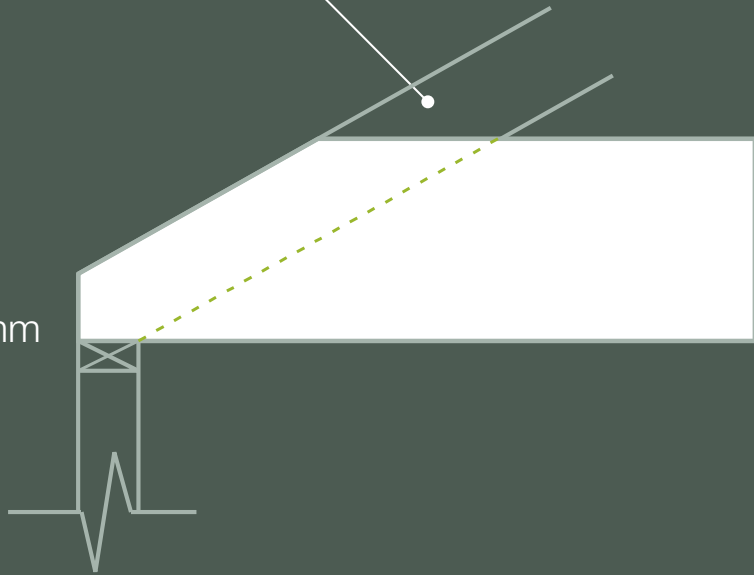




rafter

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 plantation 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 1684.2:2010, 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	75	82
240	90	90		
300	90	90	90	90
360		90		
400		90	90	90
450		90		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**

**Veneer**

Thickness	Constant through the product thickness
Species	Plantation 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/m<sup>3</sup> (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**

Plantation timber certified to AS4707:2014 - Chain of custody for forest products

**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/NZS1604.4:2012 - Specifications for preservative treatment; Laminated veneer lumber (LVL) to be used in any geographical location in Australia.



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