DindasChord 15

Laminated Veneer Lumber

DINDAS Australia

DindasChord 15 is an excellent option for roof trusses. Its high strength-to-weight ratio, consistent quality, and stability make it suitable for long spans and heavy loads. Its uniform composition and lack of defects make it reliable for structural use in the Australian building and construction industry.

Four High Span Option Sizes (6+ m)

- Cost-effective solution for reducing manufacturing prices with a wide selection of stock available to meet your needs.
- Reduce the number of joints and waste by using long lengths of LVL.

Dimensional Uniform Stability (±1 mm)

- Features a solid construction that is both sturdy and lightweight, ensuring maximum stability and durability.
- It is free of traditional timber defects like gum pockets and strength-reducing knots.

High-Performance Engineered Wood Product

- Each piece is highly consistent in the way it performs under load.
- It is an ideal option for Roof Trusses as it allows for longer lengths without the need for nail-plated splicing.

LOSP Timber Treated Available

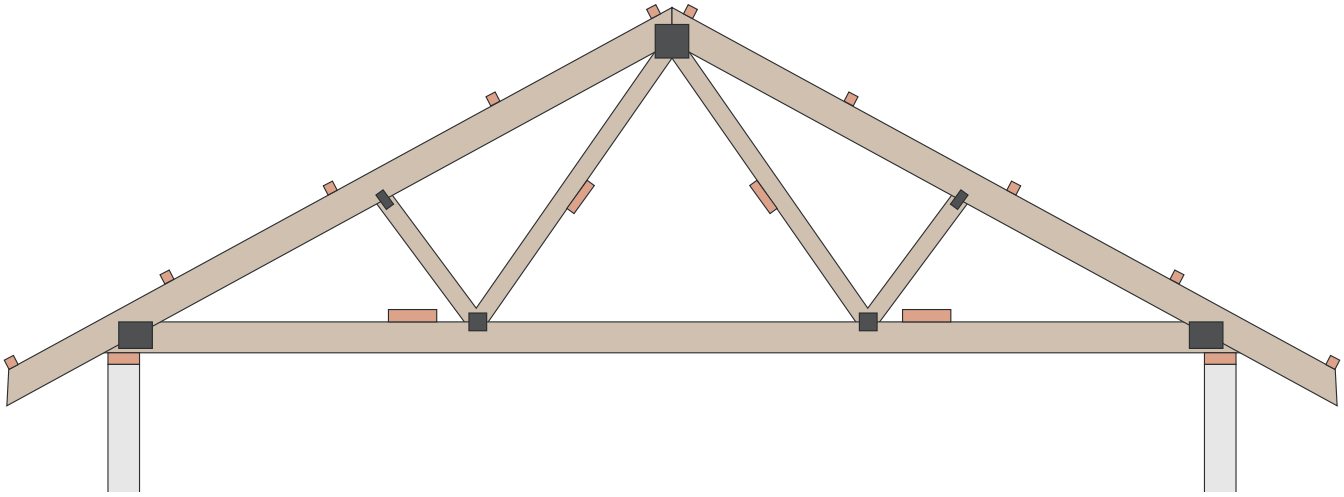
- H2 & H3 LOSP Timber Treatments are available by request.
- 25 years LOSP Timber Treatment guarantee.

Sustainable Sourcing

- As a Carbon Warrior partner, we only work with suppliers with verified Wood Source Certifications for responsible and sustainable timber.
- Chain of Custody certification compliant for well-managed and sustainable forests.

WE ARE

ENGINEERED WOOD SPECIALISTS



DindasChord 15 is JD3 Rated and cost-effective

DindasChord 15 is now available in Australia with an impressive JD3 rating. According to Australian Standard AS1720.1 and the Building Code of Australia, this rating measures a wood's ability to grip tightly onto a nail, screw, or bolt - the lower the JD number, the stronger the wood.

This strength and security make DindasChord 15 ideal for high-load-bearing components in Australian frame and truss manufacturing, delivering a cost-effective solution with smaller and cheaper connections to our customers.

DindasChord 15 - The Perfect Choice for Roof Trusses

DindasChord 15 has the strongest grip on nail plate teeth among all LVL ranges at Dindas Australia. This translates to a need for fewer nail plate teeth to achieve the same level of connection strength, allowing for the use of smaller and more affordable nail plates.

Opting for larger nail plates requires a deeper and more expensive bottom chord, while choosing smaller nail plates means a more cost-effective and manageable bottom chord that is easier to pre-camber and position during manufacturing. With DindasChord 15, the smaller nail plates provide a more cost-efficient solution for the bottom chord, achieving the same level of connection strength with smaller and cheaper connection brackets.

Keep in mind that DindasChord 15 is JD3 compliant, delivering superior grip capabilities for nails, screws, and bolts. Choose DindasChord 15 for greater savings and quality results.

DindasChord 15 Product Specs

APPLICATIONS: Internal and External.
LVL is a versatile product with a wide range of applications in construction, including roof truss chord and web components, Rafters, wall frame elements, studs, wall plates and lintels.

MAXIMUM LENGTH: Customisable long lengths 6+ m

DEPTH OPTIONS: 90, 140, 190, 240 mm

WIDTH OPTIONS: 35 mm

TIMBER GRADING: LVL 15

TREATMENTS: Available UT & H2S. H2 & H3 by request

MANUFACTURE: AS/NZS 4357.2 Series of Standards

CERTIFICATIONS: SAI-GLOBAL, APA, SECA

MULTI-TOOTH NAILPLATE DESIGN: Refer to the Nailplate Manufacturer.

Advantages

- High-performance engineered wood product ideal for roof trusses offering unparalleled strength, durability, and load-bearing capacity.
- JD3 Rating offering the strongest grip tightly onto a nail, screw, or bolt.
- Offers a uniform finish with ceiling linings due predicted deflection performance.
- It can reduce the number of joints and waste by using long lengths.
- Features a solid, sturdy, lightweight construction, ensuring maximum stability, durability, and superior strength over traditional timber.
- It is manufactured with type ‘A’ (marine) bond, renowned for its structural strength and long-lasting durability.
- The ideal choice for construction projects where strength and stability are crucial.
- Offers Dimensional Uniform Stability (±1 mm).
- Four high-span option sizes (6+ meters).
- Available as UT. H2 & H3 LOSP Timber Treatments are available by request.
- Chain of Custody certification compliant for well-managed and sustainable forests.
- They are supported by Dindas Design Suite technical and software support.
- Approved for use in all Nailplate Manufacture’s software.
- Highly resistant to warping, splitting and shrinkage damage due to its uniform structure and lack of knots.
- Every DindasChord 15 item is marked with a Dindas brand for easy identification.
- Commercial & Residential Span Tables are available on request.

DindasChord 15 Pack Sizes

Depth (mm)	Thickness (mm)	Pieces per Pack	Weight
90	35	60	1.89 kg/lm
140	35	48	2.94 kg/lm
190	35	36	3.99 kg/lm
240	35	24	5.04 kg/lm

DindasChord 15 Characteristic Values

DindasChord Characteristic Values for Design Limit States		
f'_b	Bending strength[1]	57.19MPa
f'_t	Tension strength - parallel to the grain[2]	35.1MPa
f'_{tp}	Tension strength - perpendicular to the grain	0.5MPa
f'_c	Compression strength - parallel to the grain	41MPa
f'_{cp}	Compression strength - perpendicular to the grain	-
f'_p	Bearing strength - perpendicular to the grain	12MPa
f'_l	Bearing strength - parallel to the grain	30MPa
f'_s	Shear strength	4.7MPa
f'_{sj}	Shear at joints	4.2MPa
MOE	Modulus of Elasticity	15,500MPa
MOR	Modulus of Rigidity	770MPa
ρ	Density (approximate)	590 - 600kg/m^3
JD	Joint Group for connector design (nails, screws & bolts)	JD3
SD	Strength Group	SD5

1. For beams bigger than 95mm in depth, the characteristic values are obtained by multiplying the value in this Table by (95/d)0.167, where "d" is the depth of the section.
2. For tension members with a cross-sectional dimension greater than 150mm, the characteristic values are obtained by multiplying the value in this Table by (150/d)0.167, where "d" is the width or largest dimension of the cross-section.
3. Tapered and notched beam is allowable, although it requires certifications and/or design checks by an engineer.
4. Notches, cuts and holes in beams, bearers, joists and rafter members may have penetration holes and notches performed in accordance with AS1684.2 Clause 4.1.6 & Figure 4.1. The cutting, notching & drilling of components within structures that do NOT meet these criteria is outside the scope of this document and should be referred to an experienced timber engineer for design checks & certification.

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