

# ABR

## Reinforced angle brackets for Cross-Laminated Timber and Timber Frame houses

**SIMPSON**  
**Strong-Tie**



Features reinforcing ribs that provide enhanced performance

**The ABR range of reinforced angle brackets are extremely versatile and can be used for fixing CLT panels to timber or concrete.**

### Materials

- Carbon Steel + Z275 Galvanised

Corrosion Resistance Level  
LOW

### Features & Benefits:

- One-piece connector
- Reinforcing ribs provide enhanced performance

### Suitable for:

- Supporting member: solid wood, gluedlaminated wood, concrete, steel, etc.
- Supported member: solid wood, composite, lumber, glued-laminated wood, triangular trusses, profiles, etc.

### Applications:

- Cross-Laminated Timber (CLT)
- Laminated Veneer Lumber (LVL)
- Glued Laminated Timber (Glulam)
- Engineered Wood Products (EWP)
- Timber framed houses

### When to use:

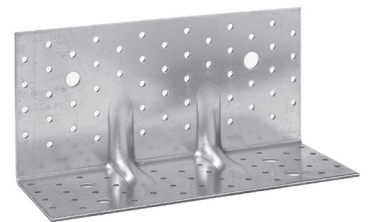
- Fastening of small trusses.
- Cladding plates, cladding uprights.
- Rafter anchors, cantilevers, headers, etc.



ABR9020



ABR105



ABR255

Simpson Strong-Tie® Australia  
Call **1300 STRONG** (1300 787 664)  
[www.strongtie.com.au](http://www.strongtie.com.au)

Simpson Strong-Tie® New Zealand  
Call **09 477 4440**  
[www.strongtie.co.nz](http://www.strongtie.co.nz)

**Simpson Strong-Tie Limited Warranty:** For the Limited Warranty that applies to Simpson Strong-Tie products, please consult [www.strongtie.com.au/warranty](http://www.strongtie.com.au/warranty) or [www.strongtie.co.nz/warranty](http://www.strongtie.co.nz/warranty). To obtain a copy of the Limited Warranty, contact us at [info.au@strongtie.com](mailto:info.au@strongtie.com) or [info.nz@strongtie.com](mailto:info.nz@strongtie.com), or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

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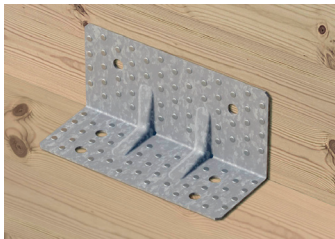


### Installation

Installation and fastener schedule assume platform framing, i.e., install vertical leg at bottom edge of CLT wall panel, and horizontal leg on CLT floor panel with 99 mm minimum edge distance.

**Nails:** CNA 4 x 60 nail = 4 mm diameter x 60 mm long proprietary ring-shank nail.

**Screws:** SD10212 = 4 mm shank diameter x 64 mm long Strong-Drive® SD Connector screw.



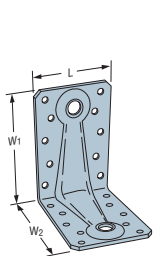
Timber-to-timber



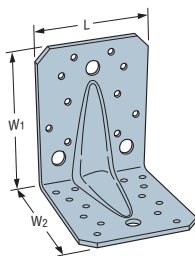
Timber-to-concrete

### Product Information

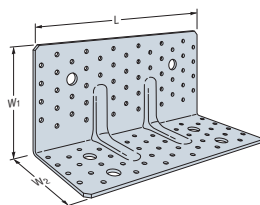
Model No.	Size (mm)	Thickness (mm)	Box Qty	Individual Barcode	Carton Barcode	Weight ea	Carton Dim. (W x L x H) and weight
ABR9020	88 (W1) x 88 (W2) x 65 (L)	2.0	50	5701953354305	5701953862008	160g	160 x 290 x 155mm, 8.16kgs
ABR105	105 (W1) x 105 (W2) x 90 (L)	2.5	50	5701953351052	5701953360573	370g	175 x 380 x 190mm, 18.93kgs
ABR255	120 (W1) x 100 (W2) x 255 (L)	3.0	10	3523140899954	3523140894249	1,210g	290 x 390 x 150mm, 12.18kgs



ABR9020



ABR105



ABR255



ABR9020



ABR105



ABR255

### Designed and Tested

Simpson Strong-Tie® connectors have been designed and tested for use with specific types and sizes of nails or screws. The specified fastener size, type and quantity must be installed in the correct holes on the connector to achieve published loads.

Other factors such as the fastener material and finish are also important as the use of incorrect fasteners or misinstallation can compromise the connector performance and could lead to failure. Simpson Strong-Tie has a broad range of fasteners designed to suit our range of connectors.

### Compatible Fasteners

Model No.	Size	Box Qty	Shank	Point	Head Type	Material & Finish
SD10212	10g x 64mm	100	Serrated Threads	Sharp	1/4" Hex Head	Mechanically Galvanised
CNA4.0X60	4.0 x 60mm	250	Annular Rings	Diamond	Full Round	Carbon Steel, Zinc Plated



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