E5 Reinforced Angle Bracket

E5 Reinforced Angle Brackets are suitable for structural applications in framing and timber-frame houses for general connecting of timber at 90° angles.

Typical applications include fixing trusses, purlins and posts. Suitable support materials include solid timber, composite timber, laminated timber and trusses.

Features

Reinforced ribs add extra rigidity

Material

1.5mm thick.

Finish

E5: Z275 coating; E5SS: 316 stainless steel.
See Corrosion Information.

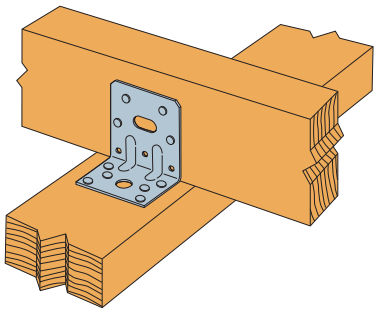
Installation

Use all specified fasteners. See General Notes.

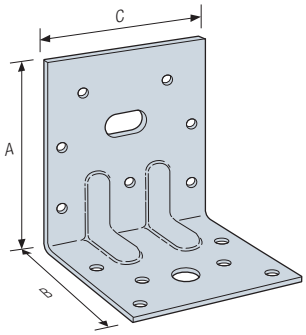
E5 Product and Technical Data

Model No.	Dimensions (mm)			Fasteners (No. - Length x Dia., mm)		Uplift Design Capacity $N_{d,i}$ (kN)	Box Qty	Barcode
	A	B	C	Top Plate	Truss/Rafter	Uplift k_1 = 1.14		
E5	75	48	65	6 – SD#10 x 64 mm	7 – SD#10 x 38 mm	**4.1**	200	707392432197
				6 – SD#10 x 64 mm	7 – 38 x 3.75 mm	**4.1**		
E5SS				6 – CSA5,0X35S	7 – CSA5,0X35S	**3.2**	25	707392721239
				6 – CSA5,0X35S	7 – 38 x 3.75 mm SS	**3.1**		

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the Australian Capacity Factor and applicable the k modification factors following AS 1720.1 and (2) the Serviceability Capacity which is the load at 3.2 mm joint slip. Design Capacity is the minimum of test data and structural joint calculation.
2. For Australia, the Capacity Factor (ϕ) is 0.85 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern.
3. Duration of Load Factor (k_1) is as shown. Reduce Duration of Load Factor (k_1) where applicable. Capacities may not be increased.
4. Timber species for joint design is seasoned Radiata Pine, which is Australia Joint Group JD4 per AS 1720.1 Table H2.4.
5. Simpson Strong-Tie stainless-steel connectors require stainless-steel fasteners.



Typical E5 installation



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