

L70 Reinforcing Angle

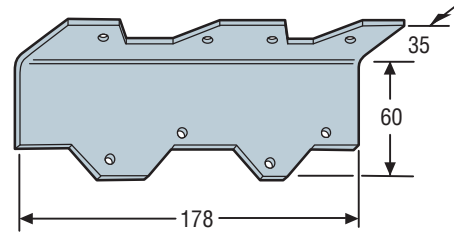
A reinforcing angle designed to transfer loads between 2 ply floor joists/wood web joists.

The L70 Reinforcing Angle may be used in pairs to transfer the loads between floor joist plies.

Material: 1.6mm pre-galvanised mild steel.

Installation: Use all the specified fasteners.

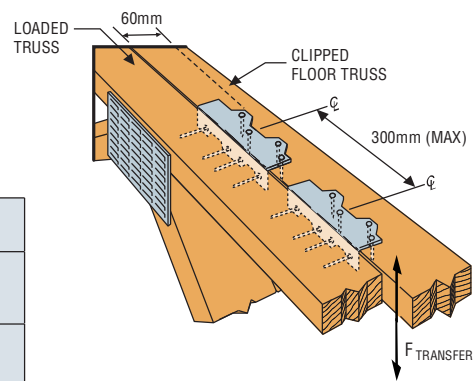
- Use in pairs; as illustrated. The distance between the centre of each L70 in the pair should not exceed 300mm.
- Nail the shorter sides of the L70's into the sides of the loaded joist member.
- Nail the longer sides of the L70's into the top of the clipped joist member.
- Floor decking shall be applied to the top chord of each joist. Attach decking to each joist with nails or screws at a maximum of 300mm centres.



Model No.	Qty	No. Fasteners ⁽²⁾ (3.75mm x 30mm)	Safe Working Loads (kN) ⁽¹⁾	
			C16 Timber	TR26 Timber
L70	2	16	3.42	3.96

1. Maximum allowable load transfer for each pair of L70 reinforcing angles, subject to load transfer rates within the table below.
2. 3.75 x 30mm refers to square twist nails.
3. Allowable loads shown are for joist top chord applications only.
4. Allowable loads shown are for downward vertical floor loads only.

Typical L70 Installation



% of Applied Load Transferred to Clipped Truss		
L70 Position	L/D	
	L/D Greater or equal 12	L/D Less Than 12
Middle 2/3 of Joist Span	40%	20%
End 1/6 of Span	25%	20%

1. L/D = Truss Span (mm) divided by Joist Depth (mm).
2. The joist designer shall determine the L/D ratio required to ensure satisfactory joist performance.
3. The joist designer shall design each joist to meet all applicable code requirements.
4. The joist designer must determine the quantity and spacing of pairs based on load capacity requirements. Provide a pair of L70's at each load application point unless the loaded joist is designed for the total load applied between the L70's. (Load transfer shall not exceed the applicable table value or the limits stated in the notes).
5. Loads may not be increased for construction or other loading conditions.

A Angles

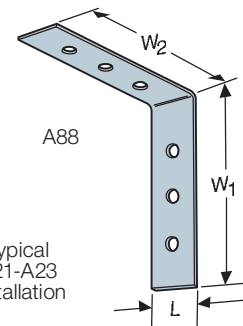
The 'A' angles versatility means it can be used in many applications requiring 90° fixing.

Material: Pre-galvanised mild steel.

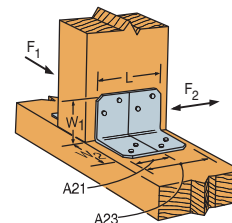
Installation: Use all the specified fasteners.

Model No.	Material	Dimension			Fasteners				SWL (kN)	
					Base		Post		F ₁	F ₂
		W ₁	W ₂	L	Bolts	Nails	Bolts	Nails		
A21	1.2	50	38	35	-	2 ¹	-	2 ¹	0.61	0.51
A23	1.2	50	38	70	-	4 ¹	-	4 ¹	1.22	1.22
A33	2.5	75	75	38	-	4 ²	-	4 ²	1.80	0.96
A88	2.5	200	200	50	3 - 10mm	-	3 - 10mm	-	-	-

1. Use 3.75mm x 30mm nails.
2. Use 3.75mm x 75mm nails.



Typical A21-A23 Installation



Typical A33 Installation

