

A reinforcing angle designed to transfer loads between 2 ply floor joists/metal web joists. The L70 Reinforcing Angle may be used in pairs to transfer the loads between floor joist plies.

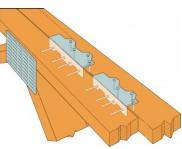
FEATURES

Material

- Pre-galvanised mild steel.

Installation

- 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.



TECHNICAL DATA

L70 Safe Working Loads

References	Fasteners		Safe Working Loads [kN]	
	Qty	Specification	C16 Timber	TR26 Timber
L70	16	3.75 x 30mm	3.42	3.96

- Maximum allowable load transfer for each pair of L70 reinforcing angles, subject to load transfer rates within the table below.
- Allowable loads shown are for joist top chord applications only.
- Allowable loads shown are for downward vertical floor loads only

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

- $L/D = \text{Truss Span (mm)} / \text{Joist Depth (mm)}$
- The joist designer shall determine the L/D ratio required to ensure satisfactory joist performance.
- The joist designer shall design each joist to meet all applicable code requirements.
- 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)
- Loads may not be increased for construction or other loading conditions.

