

AJH — Adjustable Joist Support

Material & Finish

Hot Dip Galvanised Steel (275g/m²)

Base

1.5mm thick

Hanger

2.0mm thick

Corrosion Information

For corrosion and fastener information, and general warnings, see:

- <https://strongtie.co.nz/resources#corrosion-information>
- <https://strongtie.com.au/resources#corrosion-information>

Approvals

Manufactured to meet deck loading as per Australian/New Zealand Standard AS/NZS 1170.1:2002, Permanent, imposed and other actions.

Advantages

- Keeps your joists off the concrete and free of unwanted moisture ingress. This prevents joist-rot through the bottom of your joists.
- Is ideal for use on areas where the concrete has built in “fall” - to provide a level deck.
- Quick and easy to use – purpose-built for the application.
- Gives a neat, professional look across your deck structure without resorting to various different packers and brackets to achieve your end result.
- Height of the deck is determined by the length of bolts used.

What length bolts are required?

Hex Head Bolt Length	Min Height to Bottom of Joist	Max Height to Bottom of Joist	Min Height to Top of 70/90mm Joist	Max Height to Top of 70/90/140mm Joist
60mm	16 mm	20 mm	86/106mm	90/110/160 mm
120mm	18 mm*	80 mm	88/108mm*	150/170/220 mm
No Bolt**	6 mm	6 mm	76/96mm	76/96/146 mm

* If using long bolts at low heights, to prevent the bolts protruding past the top of joist, the end of the bolt will need to be cut off.

** When using Joist Support only.

Timber Span Table

Timber	Maximum Span (mm)
90 x 45	1500
140 x 45	2500

1. All based upon “continuous span” with joists at 450mm crs, 1.5kPa Live loads
2. For a stiffer deck reduce joists spans
3. Minimum grade is MGP10 for Australia and SG8 for NZ

*The spans listed should be used as a guide only. For best results, please follow the specific recommendations of the timber manufacturer / supplier and ensure they are installed as per the appropriate Australia and New Zealand Standards.

Model No.	Joist Width (mm)	Fasteners		Downward Design Capacity (kN)
		Concrete	Timber Joist	
AJH	38 or 45 or 50	1/M10 (2-THD10060MG)	4/3.32 x 38mm N8 nails or 4/SD#10 screws	5.0

Note: AJH downward capacity of 5.0kN is approximately equivalent to a continuous joist at 450crs spanning of 3000mm supporting a live load of 1.5kPa.

Further information

The Adjustable Joist Support has been manufactured to meet deck load bearing standards as per Australian Standard AS1170-1 and Australian hot dipped galvanising standards AS/NZS 4680:2006.

50mm wide hardwood timber or steel joists can also be used with AJH50. Timber and steel joist designs by others.

