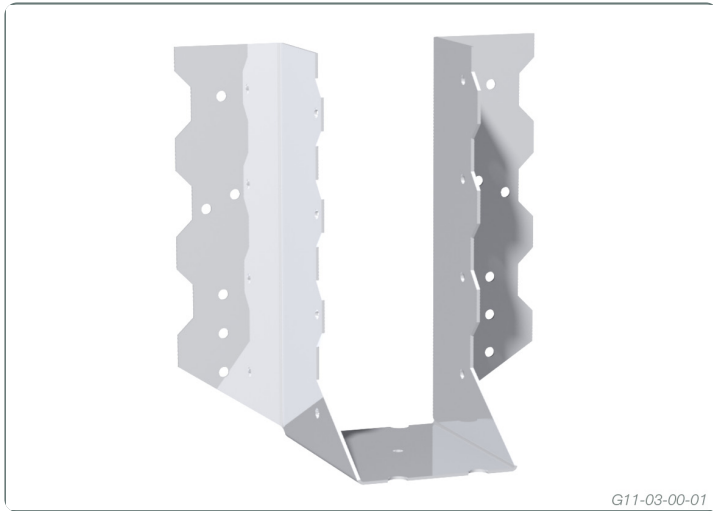


Stainless Steel Joist Hanger



Pre-punched, formed stainless steel steel connector available with or without bolt holes - very easy to install!

These pre-punched and formed stainless steel timber connectors are ideal for:

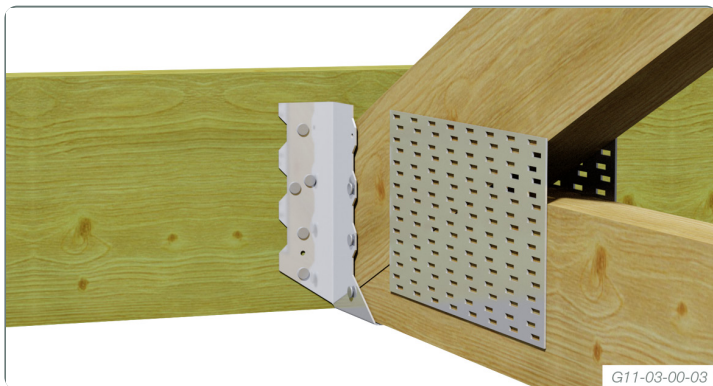
Fastening joists to the face of beams.

Fastening standard trusses to girder trusses.

Securing beam to beam joints, joists to joists and jacks to TG trusses.

APPLICATION

The Multinail Joist Hanger is available with or without bolt holes, allowing you flexibility in fastening the Joist Hanger to the truss or beam using nails and/or bolts. Joist Hangers are easy to install. Simply use 5/30mm x 2.8Ø Multinail stainless steel nails, through each wing to secure the Joist Hanger to the supporting member. Alternatively, use one M12 bolt, with washer, in each wing to secure to the supporting member. To secure the joist to the Joist Hanger, use 3/30mm x 2.8Ø Multinail stainless steel nails through each side.



Multinail Joist Hanger secured to single girder truss using Multinail stainless steel nails

Nail fixing schedule

Number of 2.8Ø Nails - Fixing per side

Nominal Joist Hanger Height (mm)	90	120
Supporting (Girder) Member Fixing	5	6
Carried Member Fixing	3	4

LIMIT STATE DESIGN LOADS

The following table gives the recommended Limit State Design capacities for Multinail Joist Hangers.

Design capacities are for use in limit state design procedures to AS1720.1-2010

NOTE: The capacities are derived from AS1720-2010 and are for uplift in houses where failure is unlikely to affect an area greater than 25m². For primary elements in structures other than houses or elements in a house for which failure would be greater than 25m² these capacities must be multiplied by 0.94. For primary joints in essential services or post disaster buildings multiply by 0.88.

Maximum Limit State Design Capacities (kN) for Joist Hangers							
Fixing per side	Load Combination	Joint Group					
		J2	J3	J4	JD3	JD4	JD5
5 Nails	Dead Load	4.5	3.2	2.3	4.5	3.2	2.6
	Dead Load + Floor Live Load	5.4	3.9	2.7	5.4	3.9	3.2
	Dead Load + Roof Live Load	6.1	4.4	3.1	6.1	4.4	3.6
6 Nails	Dead Load	5.4	3.9	2.7	5.4	3.9	3.2
	Dead Load + Floor Live Load	6.5	4.7	3.3	6.5	4.7	3.8
	Dead Load + Roof Live Load	7.3	5.2	3.7	7.3	5.2	4.3
3 Nails	Dead Load + Wind Load	5.4	3.9	2.7	5.4	3.9	3.2
4 Nails	Dead Load + Wind Load	7.2	5.2	3.6	7.2	5.2	4.2

* A common joist size in Multinail software is 40x90 joist hanger which uses 5 nails per wing into supporting member and 3 nails each side to carried joist.

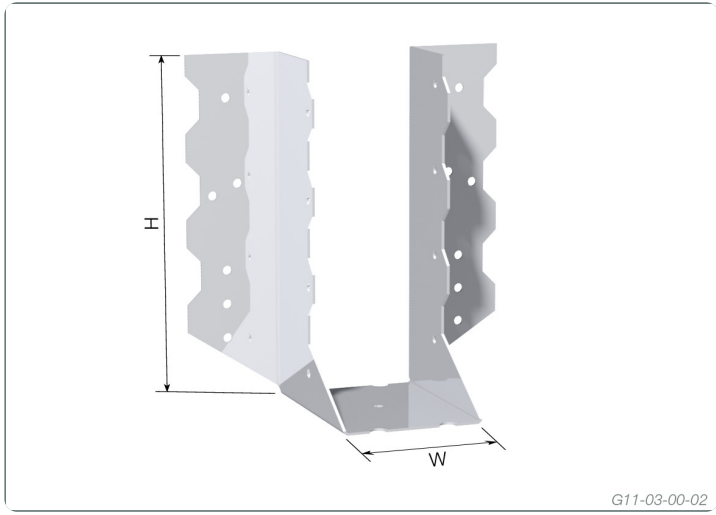
The spans in the table have been determined for domestic housing situations with floor live loads of 1.5kPa. The joint group refers to that of the supporting bearer/beam.

Maximum Span of Floor Joists Supporting Normal Floor Coverings						
No. of nails per wing	450mm Floor Joist Centres			600mm Floor Joist Centres		
	JD3/J2	JD4/J3	J4	JD3/J2	JD4/J3	J4
6	7500	5400	3900	6000	4300	3100

DESCRIPTION AND PACKAGING

Manufactured from 0.9mm Minimum Grade 316 Stainless Steel

Description	Product Code	Reference Code	Carton quantity	Carton kg.
W x H (Actual size)	No Bolt Holes			
35 x 90 (35 x 90)	SJHB35090	SJHB35090	1	
40 x 90 (40 x 82)	SJHB40090	SJHB40090	1	
45 x 90 (45 x 80)	SJHB45090	SJHB45090	1	
50 x 90 (50 x 78)	SJHB50090	SJHB50090	1	
35 x 120 (35 x 120)	SJHB35120	SJHB35120	1	
40 x 120 (40 x 120)	SJHB40120	SJHB40120	1	
45 x 120 (45 x 120)	SJHB45120	SJHB45120	1	
50 x 120 (50 x 117)	SJHB50120	SJHB50120	1	
30mm x 2.8Ø Multinail Stainless Steel Nails (SN30280)				



G11-03-00-02

Due to continual product improvement Multinail Australia Pty Ltd. reserves the right to change the product/s depicted - both in description and specification.
This document has to be read in conjunction with Multinail's Technical Manual.