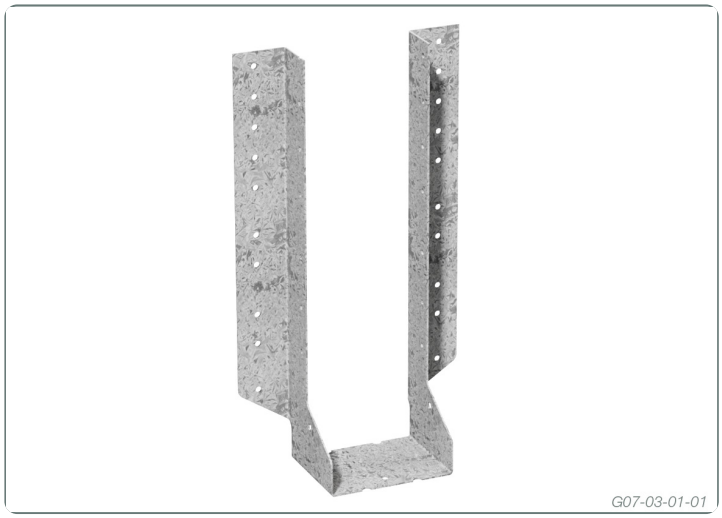
Multinail Hub - I Beam Hanger

14 May 2020

Multinail Australia

I Beam Hanger



Pre-punched, formed galvanised steel connector available for all types of timber I-Joists - very easy to install!

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

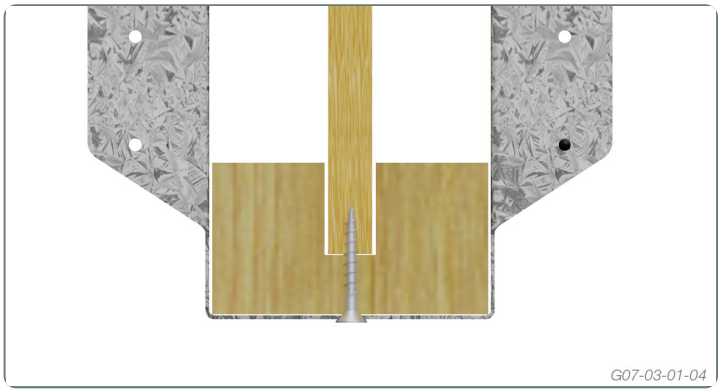
Fastening I-Joists to the face of beams or bearers.

APPLICATION - FACE MOUNTED

Designed for residential and normal loaded I-joist applications, the Multinail I Beam hanger allows flexibility in fastening by using nails. A screw secure fixing into the joist bottom flange holds the joist in position and prevents timber joist squeaking.

The I Beam Hanger is easy to install. Simply use 12/40mm x 3.75Ø galvanised nails, 6 nails through each wing, for face mounted hanger. Use one 30mm-No.6 Type 17 bugle head screw through bottom hole to hold joist in position.

Multinail Face Mounted I Beam Hanger secured full height of I-Joist to beam/bearer using galvanised nails.



Multinail recommends fixing 30mm-No.6 Type 17 bugle head screw through the I Beam Hanger bottom hole to joist bottom plate.

LIMIT STATE DESIGN LOADS

The following table gives the recommended Limit State Design capacities for Multinail I Beam Hangers. Design capacities are for use in limit state design procedures to AS1720.1-2010

Maximum Limit State Design Capacities (kN) for I Beam Hangers - Face Mounted				
Total Nails to support	Load Combination	Joint Group		
		J2/JD3	**J3/JD4**	**JD5**
8 Nails	Dead Load	7.2	5.2	4.3
8 Nails	Dead Load + Floor Live Load	8.7	6.2	5.2
10 Nails	Dead Load	9.0	6.4	5.3
10 Nails	Dead Load + Floor Live Load	10.9	7.8	6.4
12 Nails	Dead Load	10.8	7.7	6.4
12 Nails	Dead Load + Floor Live Load	13.1	9.4	7.7
14 Nails	Dead Load	12.6	9.0	7.4
14 Nails	Dead Load + Floor Live Load	15.2	10.9	9.0

200mm deep hangers require 8 nails per hanger

240mm deep hangers require 10 nails per hanger

300mm deep hangers require 12 nails per hanger

350mm deep hangers require 14 nails per hanger

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.

DESCRIPTION AND PACKAGING

Manufactured from 1.2mm Galvanised G300 Z275 Steel

Description	Product Code	Reference Code	Carton quantity	Carton kg.
I Beam Hangers - Face Mounted				
238.5 x 42mm	IBF24040	IBF24040	25	6.4
299 x 42mm	IBF30040	IBF30040	25	7.9
190 x 45mm	IBF20044	IBF20044	25	5.2
237 x 45mm	IBF24045	IBF24045	25	6.4
297.5 x 45mm	IBF30045	IBF30045	25	7.8
234.5 x 50mm	IBF24051	IBF24051	25	6.4
295 x 50mm	IBF30051	IBF30051	25	7.8
233 x 53mm	IBF24053	IBF24053	25	6.4
293.5 x 53mm	IBF30053	IBF30053	25	7.9
351 x 53mm	IBF35653	IBF35653	25	9.2
289.5 x 60mm	IBF30060	IBF30060	25	7.9
347.5 x 60mm	IBF34760	IBF34760	25	9.2
236.5 x 63mm	IBF24563	IBF24563	25	6.6
180 x 65mm	IBF18065	IBF18065	25	5.2
235.5 x 65mm	IBF24063	IBF24063	25	6.6
287.5 x 65mm	IBF30063	IBF30063	25	7.8
345 x 65mm	IBF36063	IBF36063	25	9.2
233 x 70mm	IBF24070	IBF24070	25	6.6
285 x 70mm	IBF30070	IBF30070	25	7.8
352.5 x 70mm	IBF35670	IBF35670	25	9.5
400 x 70mm	IBF40670	IBF40670	25	10.6
235 x 90mm	IBF24090	IBF24090	25	6.9
290 x 90mm	IBF30090	IBF30090	25	8.2
342.5 x 90mm	IBF36090	IBF36090	25	9.5
390 x 90mm	IBF40090	IBF40090	25	10.6