ECKO Fastening Systems

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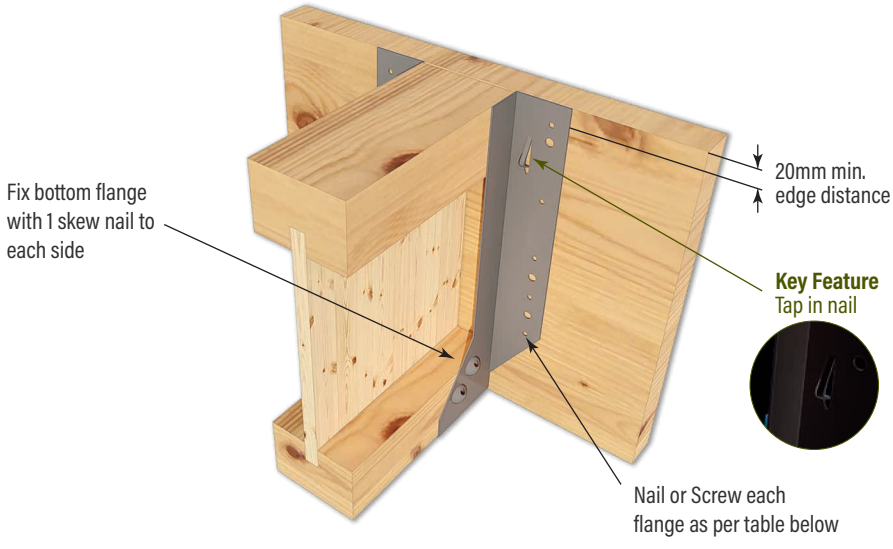
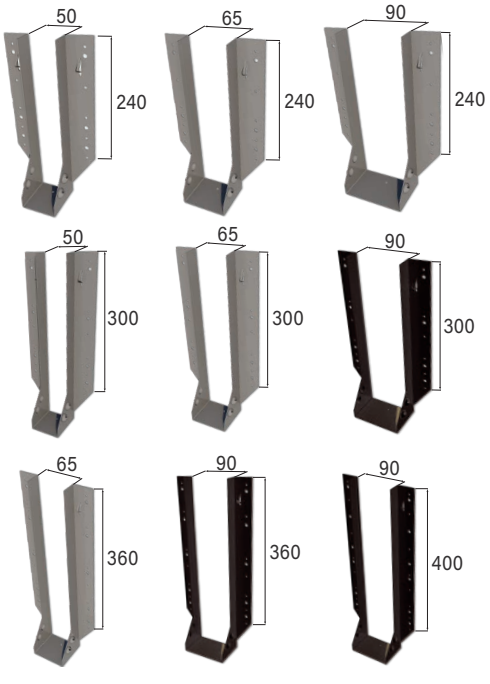
I-Joist Hangers Structural Fixings Guide

The I-Joist Hanger has been developed to provide an effective method of fixing timber I-Joist to supporting timber beams.



- Fix I-Joist Hanger with 38 x 3.33mm galvanised nails to face of supporting beam through small holes (4mm dia.). Alternatively use Type 17 - 14g x 35mm screws in the larger holes (6mm dia.). Refer to table for quantity of nails/screws required.
- Fix bottom I-Joist flange using either 2/ 30 x 3.15 or 2/ 38 x 3.33 galvanised nails. Select one dimple each side of the I-Joist which will allow the nail to be driven fully home at a 45° angle.



I-JOIST HANGER		Gravitational			
Product Code	Size (mm)	Nails per Flange	Load (kN)	Screws per Flange	Load (kN)
JHIB24050	240 x 50	5	12.0	3	18.0
JHIB24065	240 x 65	5	12.0	3	18.0
JHIB24090	240 x 90	5	12.0	3	18.0
JHIB30050	300 x 50	6	14.4	4	24.0
JHIB30065	300 x 65	6	14.4	4	24.0
JHIB30090	300 x 90	6	14.4	4	24.0
JHIB36065	360 x 65	7	16.8	5	24.0
JHIB36090	360 x 90	7	16.8	5	24.0
JHIB40090	400 x 90	8	19.2	6	24.0

Nails - 38 x 3.33mm
Screws - 14g x 35mm Hex Head
Fix bottom flange using 1 nail through each side at 45 degree angle or alternative fixing hole on underside of joist hanger. (Engineer to specify)

Characteristic Strengths have been derived from testing conducted by **BRANZ (ST-18222) in accordance with EM1 as specified in NZ3604:2011**

Materials:
1.2mm G300 Z275 Galvanised Steel