

TIMBER TO TIMBER – BACKER FREE

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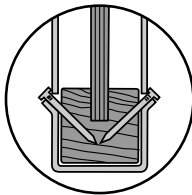


James Jones
 & SONS LIMITED
 TIMBER SYSTEMS DIVISION

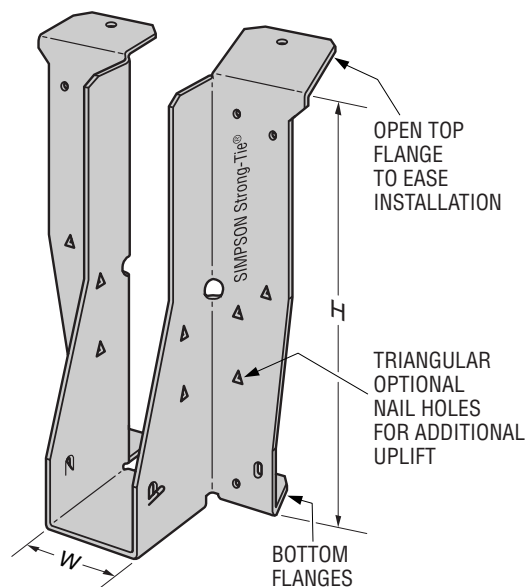
The ITB is a revolutionary hanger that satisfies the demand for backer-block free timber to timber connectors in I-joint floors.

The ITB is stronger, safer, saves build time and dramatically reduces floor build costs. It features unique top and bottom flanges specially designed to resist rotation.

The ITB is the most popular backer-free hanger in the UK.



PAN Nailing



ITB

Patent No. GB 2400384

FEATURES AND BENEFITS

- Eliminates the need for backer blocks when supported from an I-joint header.
- Can be used on I-joint or solid joist headers.
- Bottom flanges provide enhanced download capacity and quickly sets the hanger onto the header.
- Open top flange improves ease-of-installation.
- Obround holes in face to provide easier nailing access in tight locations.
- Positive Angle Nailing (PAN) of joist to speed installation and reduce the likelihood of splitting.
- Only one size of nail required – 3.75 x 30mm.
- Optional nail holes for additional download and uplift capacity.

MATERIAL: Mild Steel to BS EN 10142 DX51D + Z275

FINISH: Galvanised

01827 255 600
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T-UK-CSGJJ1A 6/05

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ITB I-JOIST HANGERS - SAFE WORKING LOADS

Model No.	Dimensions (mm)		Installation	Fasteners		Safe Working Loads (kN)			
	Height	Width		Header	Joist	Long Term	Medium Term	Long Term Uplift	Short Term Uplift
ITB(H)/(W)	195 Min	40 Min	Standard I-Joist Header	12 - 3.75 x 30	2 - 3.75 x 30	3.50	4.00	0.79	1.00
	300 Max	97 Max							
ITB(H)/(W)	195 Min	40 Min	Enhanced* I-Joist Header	18 - 3.75 x 30	2 - 3.75 x 30	7.50	8.60	0.79	1.00
	300 Max	97 Max							
ITB(H)/(W)	195 Min	40 Min	Enhanced** Uplift	18 - 3.75 x 30	6 - 3.75 x 30	7.50	8.60	2.38	2.98
	300 Max	97 Max							
ITB(H)/(W)	195 Min	40 Min	LVL/Glu-Lam Header	18 - 3.75 x 30	2 - 3.75 x 30	7.50	8.60	0.79	1.00
	300 Max	97 Max							

1. 3.75 x 30 refers to a galvanised square twist nail.

2. Standard Installation SWLs refer to I-joist headers without backer blocks.

* Enhanced Installation refers to I-joist headers with backer blocks installed. Backer blocks are to be installed in accordance with the manufacturers recommendations.

** Enhanced Uplift refers to I-joist or solid joists with additional joist nails. For I-joist applications web stiffeners are required. Web stiffeners are to be installed in accordance with the manufacturers recommendations. Uplift values are based upon theoretical nail capacity and are substantiated by test.

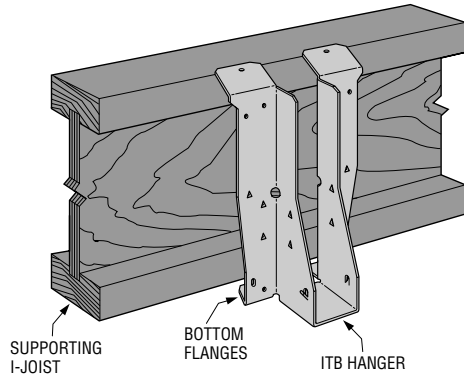
ITB HANGERS FOR TIMBER I-JOISTS

JJ-I Size (* indicates solid section)	Model No.	Dimensions (mm)			Non Stock
		Height	Width	Bearing	
195x38*	ITB195/40	195	40	51	*
195A	ITB195/45	195	45	51	*
195B	ITB195/61	195	61	51	*
195C	ITB195/75	195	75	51	*
195x75*	ITB195/78	195	78	51	*
195x90*	ITB195/91	195	91	51	*
195D	ITB195/100	195	100	51	*
220x38*	ITB220/40	220	40	51	
220A	ITB220/45	220	45	51	
220B	ITB220/61	220	61	51	
220C	ITB220/75	220	75	51	
220x75*	ITB220/78	220	78	51	
220x90*	ITB220/91	220	91	51	
220D	ITB220/100	220	100	51	
235x38*	ITB235/40	235	40	51	*
235A	ITB235/45	235	45	51	*
235B	ITB235/61	235	61	51	*
235C	ITB235/75	235	75	51	*
235x75*	ITB235/78	235	78	51	*
235x90*	ITB235/91	235	91	51	*
235D	ITB235/100	235	100	51	*
245x38*	ITB245/40	245	40	51	
245A	ITB245/45	245	45	51	
245B	ITB245/61	245	61	51	
245C	ITB245/75	245	75	51	
245x75*	ITB245/78	245	78	51	
245x90*	ITB245/91	245	91	51	
245D	ITB245/100	245	100	51	
300x38*	ITB302/40	302	40	51	
300A	ITB302/45	302	45	51	
300B	ITB302/61	302	61	51	
300C	ITB302/75	302	75	51	
300x75*	ITB302/78	302	78	51	
300x90*	ITB302/91	302	91	51	
300D	ITB302/100	302	100	51	

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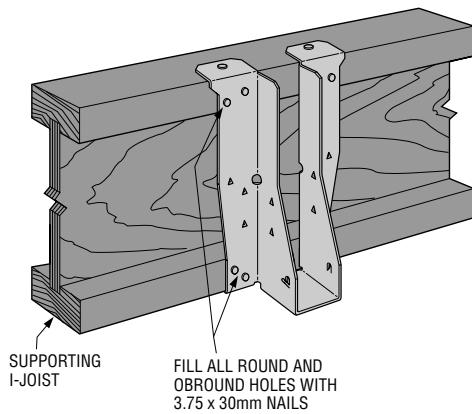
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STANDARD INSTALLATION DETAILS



1

Position the ITB hanger onto the face of supporting I-joist, ensuring the bottom flanges are tight up against the underside of the bottom chord.

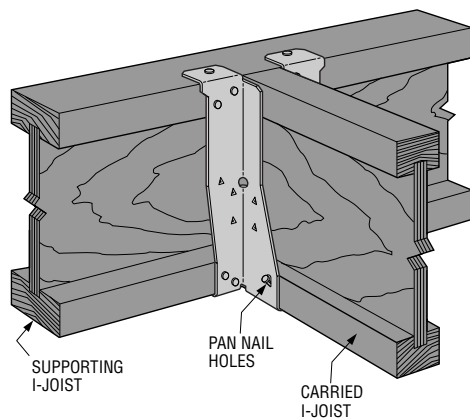


2

Fill all face round and obround holes with 3.75 x 30mm square twist nails.

Flatten the hangers open top flanges to the top chord of the supporting I-joist and fill round holes with 3.75 x 30mm nails.

Install 3.75 x 30mm nails into the holes within the bottom flanges.



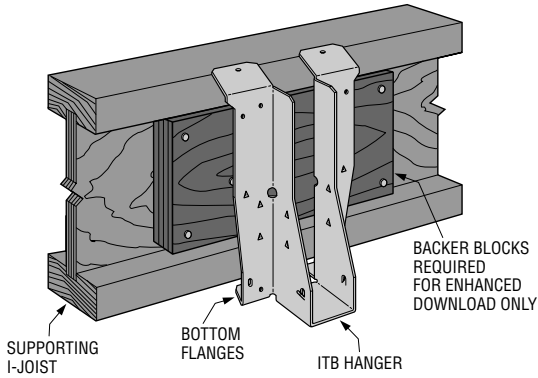
3

Sit the carried joist into the ITB Hanger and install 3.75 x 30mm nails through the angled PAN nail holes into the joist.

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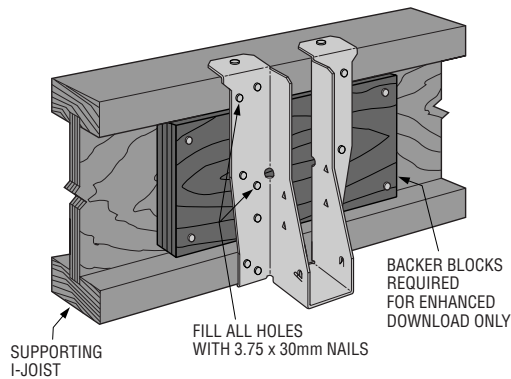
ENHANCED INSTALLATION DETAILS



1

Fit backer blocks into the web of the I-joist header, ensuring they are installed in accordance with the manufacturers recommendations and are tight to the underside of the top chord.

Position the ITB hanger onto the face of supporting I-joist, ensuring the bottom flanges are tight up against the underside of the bottom chord.

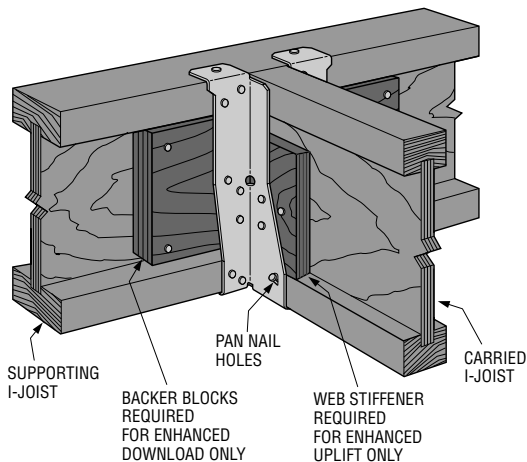


2

Fill all face holes with 3.75 x 30mm square twist nails. (14 in total)

Flatten the hangers open top flanges to the top chord of the supporting I-joist and fill round holes with 3.75 x 30mm nails.

Install 3.75 x 30mm nails into the holes within the bottom flanges.



3

Sit the carried joist into the ITB Hanger and install 3.75 x 30mm nails through the angled PAN nail holes into the joist.

For Enhanced Uplift fill all joist triangular nail holes with 3.75x30mm nails.

When web stiffeners are required, ensure they are installed in accordance with manufacturers recommendations.

Refer to the current *Connectors for Timber and Masonry Construction* catalog for General Notes, Warranty Information and other important information, including Terms and Conditions of Sale, Building Code Evaluation listings and Corrosion Resistance.

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