



The ITB hanger eliminates the requirement for backer blocks when supported from an I-Joist header. The bottom flange location tabs, and an open top flange, provide enhanced capacity and improved ease of installation.

[UK-DoP-e17/0554](#), [ETA-17/0554](#)

FEATURES



Materials

- Pre-galvanised mild steel.

Installation

Standard Installation (I-Joist headers without backer blocks), 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 and fill all round and obround holes with the specified nails, starting with the bottom face nails and ensuring the hanger sides are vertical before fixing the top nails. Install the nails into the holes in the bottom flanges.

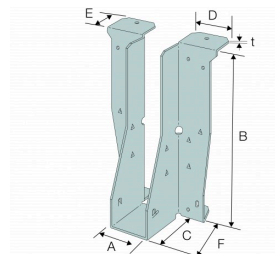
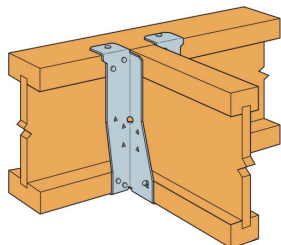
- Sit the carried joist into the ITB Hanger and install the specified nails through the angled pan nail holes into the joist.
- Enhanced Installation (I-Joist headers with backer blocks installed) it is necessary to fit backer blocks into the web of the I-Joist header, ensuring they are tight to the underside of the top chord. All round, obround and triangular holes are then to be filled with the specified nails, starting with the bottom face nails and ensuring the hanger sides are vertical before fixing the top nails.
- Enhanced uplift (I-Joists or solid joists with additional joist nails) fit web stiffeners onto the carried joist and fill all joist triangular nail holes with specified nails.
- When required, backer blocks and web stiffeners are to be installed in accordance with I-Joist manufacturer's recommendations.



APPLICATIONS

TECHNICAL DATA

Product Dimensions



References	Joist Size [mm]	Product Dimensions [mm]							Header holes			Joist holes	
	Width	A	B	C	D	E	F	t	Ø4	Triangular Hole	Ø6x4 Oblong	Triangular Hole	Ø6x4 Obround
ITB195/40	38	40	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/40	38	40	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/40	38	40	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB225/40	38	40	225	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/40	38	40	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/40	38	40	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/40	38	40	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/40	38	40	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB145/47	45	47	145	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/47	45	47	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/47	45	47	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/47	45	47	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB225/47	45	47	225	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/47	45	47	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/47	45	47	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/47	45	47	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/47	45	47	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/50	47	50	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/50	47	50	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/50	47	50	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/50	47	50	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/50	47	50	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/50	47	50	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/50	47	50	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/56	53	56	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/56	53	56	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/56	53	56	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/56	53	56	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/63	60	63	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/63	60	63	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/63	60	63	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/63	60	63	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/66	63	66	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/66	63	66	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB225/66	63	66	225	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/66	63	66	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/66	63	66	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/66	63	66	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/66	63	66	300	51	55	35	70.7	1.2	10	6	2	4	2

References	Joist Size [mm]	Product Dimensions [mm]							Header holes			Joist holes	
	Width	A	B	C	D	E	F	t	Ø4	Triangular Hole	Ø6x4 Oblong	Triangular Hole	Ø6x4 Obround
ITB200/72	70	72	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/72	70	72	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/72	70	72	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB250/72	70	72	250	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/72	70	72	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/75	72	75	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/75	72	75	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/75	72	75	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/75	72	75	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/75	72	75	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/78	2 x 38	78	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/78	2 x 38	78	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/78	2 x 38	78	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB225/78	2 x 38	78	225	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/78	2 x 38	78	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/78	2 x 38	78	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/78	2 x 38	78	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/78	2 x 38	78	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/91	2 x 45 or 89-90	91	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/91	2 x 45 or 89-90	91	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/91	2 x 45 or 89-90	91	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB225/91	2 x 45 or 89-90	91	225	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/91	2 x 45 or 89-90	91	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/91	2 x 45 or 89-90	91	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/91	2 x 45 or 89-90	91	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/91	2 x 45 or 89-90	91	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB195/96	2 x 47	96	195	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/96	2 x 47	96	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/96	2 x 47	96	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/96	2 x 47	96	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/96	2 x 47	96	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/96	2 x 47	96	300	51	55	35	70.7	1.2	10	6	2	4	2
ITB200/99	2 x 47	96	200	51	55	35	70.7	1.2	10	6	2	4	2
ITB220/99	2 x 47	96	220	51	55	35	70.7	1.2	10	6	2	4	2
ITB235/99	2 x 47	96	235	51	55	35	70.7	1.2	10	6	2	4	2
ITB240/99	2 x 47	96	240	51	55	35	70.7	1.2	10	6	2	4	2
ITB245/99	2 x 47	96	245	51	55	35	70.7	1.2	10	6	2	4	2
ITB300/99	2 x 47	96	300	51	55	35	70.7	1.2	10	6	2	4	2

Performance Values - I-Joists - Standard Installation

References	Product Capacities - I-Joists - Standard Installation									
	Number of Fasteners				Safe Working Loads [kN]			Characteristic Capacities [kN]		
	Header			Joist	R _{1,SWL,Long Term}		R _{2,SWL,Short Term}	R _{1,k}		R _{2,k}
	Top	Face	Bottom	Qty	I-Joist Headers with LVL Flanges ≥ 35 mm	I-Joist Headers with Solid Sawn Flanges ≥ 45 mm	N3.75x30	I-Joist Headers with LVL Flanges ≥ 35 mm	I-Joist Headers with Solid Sawn Flanges ≥ 45 mm	N3.75x30
ITB	Qty	Qty	Qty	2	N3.75x30	N3.75x30	1	N3.75x30	N3.75x30	1.5
	2	8	2		4.6	4.8		9.2	10.9	

Performance Values - I-Joists - Enhanced Installation

References	Number of Fasteners				Safe Working Loads [kN]			Characteristic Capacities [kN]		
	Header			Joist	R _{1,SWL,Long Term}		R _{2,SWL,Short Term}	R _{1,k}		R _{2,k}
	Top	Face	Bottom	Qty	I-Joist Headers with LVL Flanges ≥ 35 mm	I-Joist Headers with Solid Sawn Flanges ≥ 45 mm	N3.75x30	I-Joist Headers with LVL Flanges ≥ 35 mm	I-Joist Headers with Solid Sawn Flanges ≥ 45 mm	N3.75x30
	Qty	Qty	Qty		N3.75x30	N3.75x30		N3.75x30	N3.75x30	
ITB	2	14	2	6	8.4	7.6	3.8	19.5	17.9	7.6

INSTALLATION

