



The ITBS solves the problem of skew hangers in I-joist to I-joist connections. It can be handed left or right on site by the carpenter, removing confusion when the floor is built opposite to the drawing. The ITBS is fully adjustable from 5° to 67.5° skew, reducing the need for 'special' skew hangers.



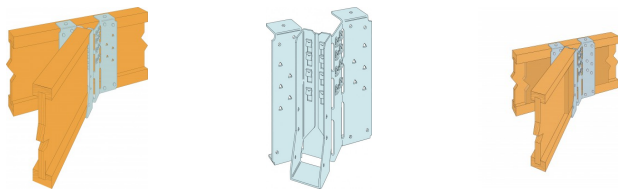
[ETA-17/0554](#), [UK-DoP-e17/0554](#)

FEATURES



Material

- Pre-galvanised mild steel

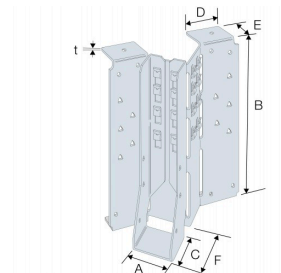
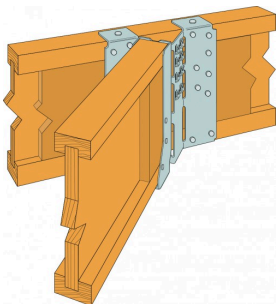


TECHNICAL DATA

Angle Guide

50mm Backplate		100mm Backplate	
Skew Angle A (deg)	Distance B (mm)	Skew Angle A (deg)	Distance B (mm)
5	106	5	206
15	104	15	200
22.5	100	22.5	190
30	95	30	180
37.5	87	37.5	166
45	79	45	149
52.5	69	52.5	130
60	58	60	109
67.5	46	67.5	86

Product Dimensions



References	Joist Size [mm]	Product Dimensions [mm]						Header Holes			Joist Holes	
	Width	A	B	C	D	E	t	Ø4,1	Triangular Hole	Ø6x4 Oblong	Ø6x4 Oblong	Triangular Hole
TBS195/40	38	40	195	64	55	37	1.5	10	10	2	2	4
TBS200/40	38	40	200	64	55	37	1.5	10	10	2	2	4
TBS220/40	38	40	220	64	55	37	1.5	10	10	2	2	4
TBS225/40	38	40	225	64	55	37	1.5	10	10	2	2	4
TBS240/40	38	40	240	64	55	37	1.5	10	10	2	2	4
TBS195/47	45	47	195	64	55	37	1.5	10	10	2	2	4
TBS200/47	45	47	200	64	55	37	1.5	10	10	2	2	4
TBS220/47	45	47	220	64	55	37	1.5	10	10	2	2	4
TBS225/47	45	47	225	64	55	37	1.5	10	10	2	2	4
TBS235/47	45	47	235	64	55	37	1.5	10	10	2	2	4
TBS240/47	45	47	240	64	55	37	1.5	10	10	2	2	4
TBS245/47	45	47	245	64	55	37	1.5	10	10	2	2	4
TBS195/50	47	50	195	64	55	37	1.5	10	10	2	2	4
TBS220/50	47	50	220	64	55	37	1.5	10	10	2	2	4
TBS235/50	47	50	235	64	55	37	1.5	10	10	2	2	4
TBS240/50	47	50	240	64	55	37	1.5	10	10	2	2	4
TBS245/50	47	50	245	64	55	37	1.5	10	10	2	2	4
TBS220/66	63	66	220	64	55	37	1.5	10	10	2	2	4
TBS225/66	63	66	225	64	55	37	1.5	10	10	2	2	4
TBS235/66	63	66	235	64	55	37	1.5	10	10	2	2	4
TBS240/66	63	66	240	64	55	37	1.5	10	10	2	2	4
TBS245/66	63	66	245	64	55	37	1.5	10	10	2	2	4
TBS200/72	69	72	200	64	55	37	1.5	10	10	2	2	4
TBS220/72	69	72	220	64	55	37	1.5	10	10	2	2	4
TBS240/72	69	72	240	64	55	37	1.5	10	10	2	2	4
TBS195/75	72	75	195	64	55	37	1.5	10	10	2	2	4
TBS220/75	72	75	220	64	55	37	1.5	10	10	2	2	4
TBS245/75	72	75	245	64	55	37	1.5	10	10	2	2	4
TBS195/78	75, 2x38 or 2x39	78	195	64	55	37	1.5	10	10	2	2	4
TBS200/78	75, 2x38 or 2x39	78	200	64	55	37	1.5	10	10	2	2	4
TBS220/78	75, 2x38 or 2x39	78	220	64	55	37	1.5	10	10	2	2	4
TBS225/78	75, 2x38 or 2x39	78	225	64	55	37	1.5	10	10	2	2	4
TBS240/78	75, 2x38 or 2x39	78	240	64	55	37	1.5	10	10	2	2	4
TBS195/91	89, 90 or 2x45	91	195	64	55	37	1.5	10	10	2	2	4
TBS200/91	89, 90 or 2x45	91	200	64	55	37	1.5	10	10	2	2	4
TBS220/91	89, 90 or 2x45	91	220	64	55	37	1.5	10	10	2	2	4
TBS225/91	89, 90 or 2x45	91	225	64	55	37	1.5	10	10	2	2	4
TBS240/91	89, 90 or 2x45	91	240	64	55	37	1.5	10	10	2	2	4
TBS195/96	2x47	96	195	64	55	37	1.5	10	10	2	2	4
TBS220/96	2x47	96	220	64	55	37	1.5	10	10	2	2	4
TBS240/96	2x47	96	240	64	55	37	1.5	10	10	2	2	4
TBS245/96	2x47	96	245	64	55	37	1.5	10	10	2	2	4
TBS200/99	96 or 97	99	200	64	55	37	1.5	10	10	2	2	4
TBS220/99	96 or 97	99	220	64	55	37	1.5	10	10	2	2	4
TBS235/99	96 or 97	99	235	64	55	37	1.5	10	10	2	2	4
TBS240/99	96 or 97	99	240	64	55	37	1.5	10	10	2	2	4
TBS245/99	96 or 97	99	245	64	55	37	1.5	10	10	2	2	4

References	Joist Size [mm]	Product Dimensions [mm]						Header Holes			Joist Holes	
	Width	A	B	C	D	E	t	Ø4,1	Triangular Hole	Ø6x4 Oblong	Ø6x4 Oblong	Triangular Hole
TBS300/99	96 or 97	99	300	64	55	37	1.5	10	10	2	2	4

Product Capacities - I-Joists - Standard 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	LVL Flanges ≥ 35 mm	C24 Solid Sawn Flanges 45 mm	N3.75x30	LVL Flanges ≥ 35 mm	C24 Solid Sawn Flanges 45 mm	N3.75x30
	Qty	Qty	Qty		N3.75x30	N3.75x30		N3.75x30	N3.75x30	
ITBS	2	8	2	1	3.7	2.1	0.7	10.2	7.4	1.5

Product Capacities - 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	LVL Flanges ≥ 35 mm	C24 Solid Sawn Flanges 45 mm	N3.75x30	LVL Flanges ≥ 35 mm	C24 Solid Sawn Flanges 45 mm	N3.75x30
	Qty	Qty	Qty		N3.75x30	N3.75x30		N3.75x30	N3.75x30	
ITBS	2	18	2	3	5.5	6.3	0.7	15	12.8	1.5

