

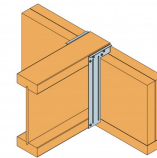
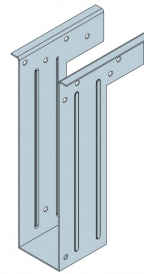
TCHI Top Chord Hung I-Joist Hanger

The TCHI is a hanger designed to support a modified I-joist end (Top Chord Hung detail), which aids the design, manufacture and installation of loose joists, or of cassette floors, on site.

Features

Benefits

- The TCHI has been tested to accommodate for a gap of up to 15mm between the end of the I-Joist and the supporting structure.
- Install with CSA screws to avoid splitting the I-Joist flanges
- Added seat stiffener provides strength and acts as a positioner for the end of the cut I Joist.
- To aid installation for the customer the TCHI has been designed to be light weight.
- If necessary, the TCHI can be installed after the I-Joists have been positioned onto the supporting member



Installation Image: Step 3

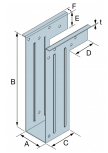
TCHI
Top Chord Hung I-Joist Hanger

Technical Data

Technical data sheet



TCHI Top Chord Hung I-Joist Hanger



Product Dimensions

References	Joist Size [mm]		Product Dimensions [mm]							Joist holes
	Width	Height	A	B	C	D	E	F	Thickness	Ø5
TCHI200/47	45	200	47	197	57	45	33	8.8	1.2	10
TCHI220/47	45	220	47	217	56	45	33	8.8	1.2	10
TCHI240/47	45	240	47	237	56	45	33	8.8	1.2	10
TCHI300/47	45	300	47	297	56	45	33	8.8	1.2	10
TCHI360/47	45	360	47	357	56	45	33	8.8	1.2	10
TCHI400/47	45	400	47	397	56	45	33	8.8	1.2	10
TCHI195/50	47	195	50	192	56	45	33	8.8	1.2	10
TCHI220/50	47	220	50	217	56	45	33	8.8	1.2	10
TCHI235/50	47	235	50	232	56	45	33	8.8	1.2	10
TCHI240/50	47	240	50	237	56	45	33	8.8	1.2	10
TCHI245/50	47	245	50	242	56	45	33	8.8	1.2	10
TCHI300/50	47	300	50	297	56	45	33	8.8	1.2	10
TCHI220/56	53	220	56	217	56	45	33	8.8	1.2	10
TCHI240/56	53	240	56	237	56	45	33	8.8	1.2	10
TCHI300/56	53	300	56	297	56	45	33	8.8	1.2	10
TCHI200/63	60	200	63	197	56	45	33	8.8	1.2	10
TCHI220/63	60	220	63	217	56	45	33	8.8	1.2	10
TCHI240/63	60	240	63	237	56	45	33	8.8	1.2	10
TCHI300/63	60	300	63	297	56	45	33	8.8	1.2	10
TCHI350/63	60	350	63	347	56	45	33	8.8	1.2	10
TCHI360/63	60	360	63	357	56	45	33	8.8	1.2	10
TCHI400/63	60	400	63	397	56	45	33	8.8	1.2	10
TCHI220/66	63	220	66	217	56	45	33	8.8	1.2	10
TCHI235/66	63	235	66	232	56	45	33	8.8	1.2	10
TCHI245/66	63	245	66	242	56	45	33	8.8	1.2	10
TCHI300/66	63	300	66	297	56	45	33	8.8	1.2	10
TCHI200/72	69 70	200	72	197	56	45	33	8.8	1.2	10
TCHI220/72	69 70	220	72	217	56	45	33	8.8	1.2	10
TCHI240/72	69 70	240	72	237	56	45	33	8.8	1.2	10
TCHI300/72	69 70	300	72	297	56	45	33	8.8	1.2	10
TCHI360/72	69 70	360	72	357	56	45	33	8.8	1.2	10
TCHI400/72	69 70	400	72	397	56	45	33	8.8	1.2	10
TCHI220/75	72	220	75	217	56	45	33	8.8	1.2	10
TCHI235/75	72	235	75	232	56	45	33	8.8	1.2	10
TCHI245/75	72	245	75	242	56	45	33	8.8	1.2	10
TCHI300/75	72	300	75	297	56	45	33	8.8	1.2	10
TCHI200/91	89 90 2x45	200	91	197	56	45	33	8.8	1.2	10
TCHI220/91	89 90 2x45	220	91	217	56	45	33	8.8	1.2	10
TCHI240/91	89 90 2x45	240	91	237	56	45	33	8.8	1.2	10
TCHI300/91	89 90 2x45	300	91	297	56	45	33	8.8	1.2	10
TCHI360/91	89 90 2x45	360	91	357	56	45	33	8.8	1.2	10
TCHI400/91	89 90 2x45	400	91	397	56	45	33	8.8	1.2	10
TCHI195/96	2x47	195	96	192	56	45	33	8.8	1.2	10
TCHI220/96	2x47	220	96	217	56	45	33	8.8	1.2	10
TCHI235/96	2x47	235	96	232	56	45	33	8.8	1.2	10

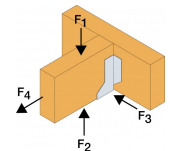
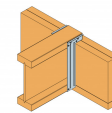
Technical data sheet



TCHI Top Chord Hung I-Joist Hanger

References	Joist Size [mm]		Product Dimensions [mm]							Joist holes
	Width	Height	A	B	C	D	E	F	Thickness	Ø5
TCHI240/96	2x47	240	96	237	56	45	33	8.8	1.2	10
TCHI245/96	96 97	245	96	297	56	45	33	8.8	1.2	10
TCHI300/96	96 97	300	99	217	56	45	33	8.8	1.2	10
TCHI220/99	96 97	220	96	242	56	45	33	8.8	1.2	10
TCHI235/99	96 97	235	99	232	56	45	33	8.8	1.2	10
TCHI240/99	96 97	240	99	237	56	45	33	8.8	1.2	10
TCHI245/99	96 97	245	99	242	56	45	33	8.8	1.2	10
TCHI300/99	96 97	300	99	297	56	45	33	8.8	1.2	10
TCHI350/99	96 97	350	99	347	56	45	33	8.8	1.2	10
TCHI400/99	96 97	400	99	397	56	45	33	8.8	1.2	10

Product Capacity



Installation Image: Step 3

References	Number of Fasteners		Characteristic Capacities [kN]			Safe Working Loads [kN]		
	Joist		36mm LVL I-joist Flanges	39mm LVL I-joist Flanges	≥ 45mm Solid Sawn I-Joist Flanges	36mm LVL I-joist Flanges	39mm LVL I-Joist Flanges	≥ 45mm Solid Sawn I-Joist Flanges
	Qty	Type	$R_{1,k}$	$R_{1,k}$	$R_{1,k}$	$R_{1,SWL,LT}$	$R_{1,SWL,LT}$	$R_{1,SWL,LT}$
TCHI (Width = 47 to 96)	10	CSA4.0x30	9	9	9	3.8	3.8	3.8
TCHI (Width = 99)	10	CSA4.0x30	11.5	12	12	4.8	5	5

TCHI
Top Chord Hung I-Joist Hanger

Installation

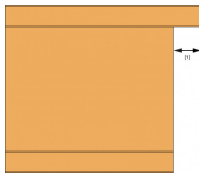
Installation Sequence

Step 1 - Cut the end of the I Joist so that the top chord overhang [1] is a minimum of 50mm

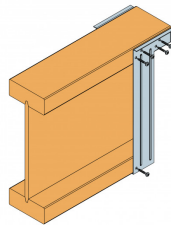
Step 2 - Fix the TCHI to the joist using 10 No. of CSA 4.0x30mm screws. The end of the joist should be tight against the seat stiffener of the hanger, and the hanger should be plumb on the I-Joist end

Step 3 - Install the modified joist into its intended position. Maximum gap [2] between the end of the joist and the supporting member is 15mm. Minimum bearing [3] onto the supporting member is 35mm

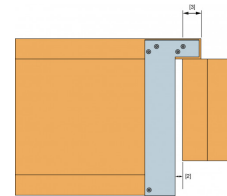
Step 4 - Blocking pieces may be installed on top of the supporting member, in-between the I-Joist flanges, to give a level finish



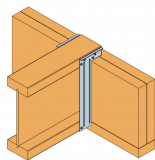
Installation image: Step 1



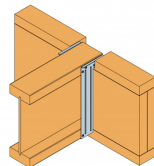
TCHI Installation: Step 2



Installation Image: Step 3



Installation Image: Step 3



Installation Image: Step 4

TCHI
Top Chord Hung I-Joist Hanger

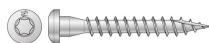
Technical Notes

Material

Material: S250GD
Galvanised Coating: 275 g/m²
(S250GD + Z275 according to EN10346)

Fixings

10 No. of CSA 4.0x30mm screws



CSA4.0x30

