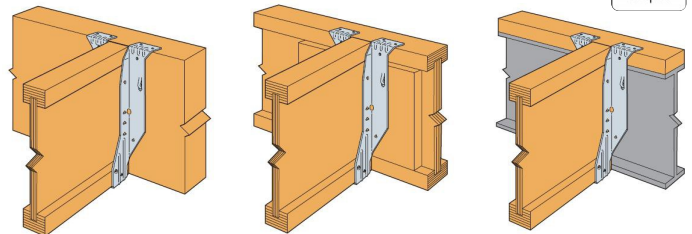


## ITSE Top Flange I-Joist Hanger

The ITSE hanger incorporates the "Strong Grip" which secures the I-joist without the need for any fasteners - where no uplift is required.

- Value-engineered for maximum performance. The offset seat feature allows better joist bearing positioning. Joist top flanges are laterally restrained by the side of the hanger, eliminating the need for web stiffeners (I-joist manufacturers may require web stiffeners).
- Reduced embossing on the ITSE's top flange, and the hanger height shorter than the joist height allows easier fitting for smooth floor alignment.
- These models will normally accommodate a skew of up to 5°.
- When fitting onto I-joist headers, backer blocks are required.
- See I-joist manufacturer's details.



### Features

#### Material

- Pre-galvanised mild steel

#### Benefits

v

### Applications

#### Suitable On

- I-joists

#### When to Use

- Floors
- Roofing
- Trimmers

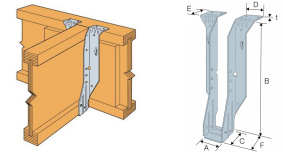
ITSE  
**Top Flange I-Joist Hanger**

## **Technical Data**

# Technical data sheet



## ITSE Top Flange I-Joist Hanger



### Product Dimensions

References	Joist Size [mm]		Product Dimensions [mm]							Header holes		Joist holes	
	Width	Height	A	B	C	D	E	F	t	Triangular	Ø4.3 [mm]	Triangular	Ø4x6 [mm]
ITSE194/41	38	195	41	194	51	51	34	62	1.2	2	6	6	2
ITSE199/41	38	200	41	199	51	51	34	62	1.2	2	6	6	2
ITSE219/41	38	220	41	219	51	51	34	62	1.2	2	6	6	2
ITSE234/41	38	235	41	234	51	51	34	62	1.2	2	6	6	2
ITSE239/41	38	240	41	239	51	51	34	62	1.2	2	6	6	2
ITSE244/41	38	245	41	244	51	51	34	62	1.2	2	6	6	2
ITSE299/41	38	300	41	299	51	51	34	62	1.2	2	6	6	2
ITSE194/48	45	195	48	194	51	51	34	62	1.2	2	6	6	2
ITSE199/48	45	200	48	199	51	51	34	62	1.2	2	6	6	2
ITSE219/48	45	220	48	219	51	51	34	62	1.2	2	6	6	2
ITSE234/48	45	235	48	234	51	51	34	62	1.2	2	6	6	2
ITSE239/48	45	240	48	239	51	51	34	62	1.2	2	6	6	2
ITSE244/48	45	245	48	244	51	51	34	62	1.2	2	6	6	2
ITSE299/48	45	300	48	299	51	51	34	62	1.2	2	6	6	2
ITSE349/48	45	350	48	349	51	51	34	62	1.2	2	6	6	2
ITSE355/48	45	356	48	355	51	51	34	62	1.2	2	6	6	2
ITSE359/48	45	360	48	359	51	51	34	62	1.2	2	6	6	2
ITSE399/48	45	400	48	399	51	51	34	62	1.2	2	6	6	2
ITSE144/50	47	145	50	144	51	51	34	62	1.2	2	6	6	2
ITSE194/50	47	195	50	194	51	51	34	62	1.2	2	6	6	2
ITSE199/50	47	200	50	199	51	51	34	62	1.2	2	6	6	2
ITSE219/50	47	220	50	219	51	51	34	62	1.2	2	6	6	2
ITSE234/50	47	235	50	234	51	51	34	62	1.2	2	6	6	2
ITSE239/50	47	240	50	239	51	51	34	62	1.2	2	6	6	2
ITSE244/50	47	245	50	244	51	51	34	62	1.2	2	6	6	2
ITSE299/50	47	300	50	299	51	51	34	62	1.2	2	6	6	2
ITSE349/50	47	350	50	349	51	51	34	62	1.2	2	6	6	2
ITSE399/50	47	400	50	399	51	51	34	62	1.2	2	6	6	2
ITSE219/54	51	220	54	219	51	51	34	62	1.2	2	6	6	2
ITSE239/54	51	240	54	239	51	51	34	62	1.2	2	6	6	2
ITSE299/54	51	300	54	299	51	51	34	62	1.2	2	6	6	2
ITSE355/54	51	356	54	355	51	51	34	62	1.2	2	6	6	2
ITSE199/61	58	200	61	199	51	51	34	62	1.2	2	6	6	2
ITSE219/61	58	220	61	219	51	51	34	62	1.2	2	6	6	2
ITSE239/61	58	240	61	239	51	51	34	62	1.2	2	6	6	2
ITSE299/61	58	300	61	299	51	51	34	62	1.2	2	6	6	2
ITSE355/61	58	356	61	355	51	51	34	62	1.2	2	6	6	2
ITSE359/61	58	360	61	359	51	51	34	62	1.2	2	6	6	2
ITSE399/61	58	400	61	399	51	51	34	62	1.2	2	6	6	2
ITSE405/61	58	406	61	405	51	51	34	62	1.2	2	6	6	2
ITSE199/63	60	200	63	199	51	51	34	62	1.2	2	6	6	2
ITSE219/63	60	220	63	219	51	51	34	62	1.2	2	6	6	2

# Technical data sheet



## ITSE Top Flange I-Joist Hanger

References	Joist Size [mm]		Product Dimensions [mm]							Header holes		Joist holes	
	Width	Height	A	B	C	D	E	F	t	Triangular	Ø4.3 [mm]	Triangular	Ø4x6 [mm]
ITSE239/63	60	240	63	239	51	51	34	62	1.2	2	6	6	2
ITSE299/63	60	300	63	299	51	51	34	62	1.2	2	6	6	2
ITSE359/63	60	360	63	359	51	51	34	62	1.2	2	6	6	2
ITSE399/63	60	400	63	399	51	51	34	62	1.2	2	6	6	2
ITSE194/66	63	195	66	194	51	51	34	62	1.2	2	6	6	2
ITSE219/66	63	220	66	219	51	51	34	62	1.2	2	6	6	2
ITSE234/66	63	235	66	234	51	51	34	62	1.2	2	6	6	2
ITSE239/66	63	240	66	239	51	51	34	62	1.2	2	6	6	2
ITSE244/66	63	245	66	244	51	51	34	62	1.2	2	6	6	2
ITSE299/66	63	300	66	299	51	51	34	62	1.2	2	6	6	2
ITSE355/66	63	356	66	355	51	51	34	62	1.2	2	6	6	2
ITSE405/66	63	406	66	405	51	51	34	62	1.2	2	6	6	2
ITSE199/73	70	200	73	199	51	51	34	62	1.2	2	6	6	2
ITSE219/73	70	220	73	219	51	51	34	62	1.2	2	6	6	2
ITSE239/73	70	240	73	239	51	51	34	62	1.2	2	6	6	2
ITSE299/73	70	300	73	299	51	51	34	62	1.2	2	6	6	2
ITSE349/73	70	350	73	349	51	51	34	62	1.2	2	6	6	2
ITSE399/73	70	400	73	399	51	51	34	62	1.2	2	6	6	2
ITSE194/75	72	195	75	194	51	51	34	62	1.2	2	6	6	2
ITSE219/75	72	220	75	219	51	51	34	62	1.2	2	6	6	2
ITSE234/75	72	235	75	234	51	51	34	62	1.2	2	6	6	2
ITSE244/75	72	245	75	244	51	51	34	62	1.2	2	6	6	2
ITSE299/75	72	300	75	299	51	51	34	62	1.2	2	6	6	2
ITSE349/75	72	350	75	349	51	51	34	62	1.2	2	6	6	2
ITSE399/75	72	400	75	399	51	51	34	62	1.2	2	6	6	2
ITSE194/92	89	195	92	194	51	51	34	62	1.2	2	6	6	2
ITSE199/92	89	200	92	199	51	51	34	62	1.2	2	6	6	2
ITSE219/92	89	220	92	219	51	51	34	62	1.2	2	6	6	2
ITSE234/92	89	235	92	234	51	51	34	62	1.2	2	6	6	2
ITSE239/92	89	240	92	239	51	51	34	62	1.2	2	6	6	2
ITSE244/92	89	245	92	244	51	51	34	62	1.2	2	6	6	2
ITSE254/92	89	255	92	254	51	51	34	62	1.2	2	6	6	2
ITSE299/92	89	300	92	299	51	51	34	62	1.2	2	6	6	2
ITSE349/92	89	350	92	349	51	51	34	62	1.2	2	6	6	2
ITSE355/92	89	356	92	355	51	51	34	62	1.2	2	6	6	2
ITSE359/92	89	360	92	359	51	51	34	62	1.2	2	6	6	2
ITSE399/92	89	400	92	399	51	51	34	62	1.2	2	6	6	2
ITSE405/92	89	406	92	405	51	51	34	62	1.2	2	6	6	2
ITSE194/96	2x47	195	96	194	51	51	34	62	1.2	2	6	6	2
ITSE219/96	2x47	220	96	219	51	51	34	62	1.2	2	6	6	2
ITSE234/96	2x47	235	96	234	51	51	34	62	1.2	2	6	6	2
ITSE244/96	2x47	245	96	244	51	51	34	62	1.2	2	6	6	2
ITSE299/96	2x47	300	96	299	51	51	34	62	1.2	2	6	6	2
ITSE219/100	97	220	100	219	51	51	34	62	1.2	2	6	6	2
ITSE234/100	97	235	100	234	51	51	34	62	1.2	2	6	6	2
ITSE244/100	97	245	100	244	51	51	34	62	1.2	2	6	6	2
ITSE299/100	97	300	100	299	51	51	34	62	1.2	2	6	6	2

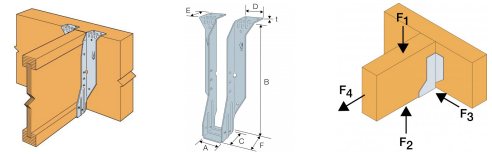
# Technical data sheet



## ITSE Top Flange I-Joist Hanger

References	Joist Size [mm]		Product Dimensions [mm]							Header holes		Joist holes	
	Width	Height	A	B	C	D	E	F	t	Triangular	Ø4.3 [mm]	Triangular	Ø4x6 [mm]
ITSE349/100	97	350	100	349	51	51	34	62	1.2	2	6	6	2
ITSE399/100	97	400	100	399	51	51	34	62	1.2	2	6	6	2

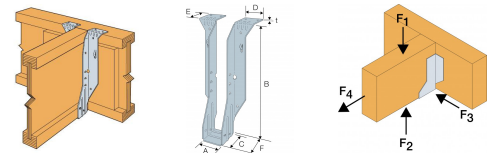
### Product Capacities - Solid timber Header - Full Nailing



References	Product capacities - Solid timber Header - Full nailing											
	Number of Fasteners						Characteristic Capacities [kN]			Safe Working Loads [kN]		
	Header				Joist		R <sub>1,k</sub>		R <sub>2,k</sub>	R <sub>1,SWL,Long Term</sub>		R <sub>2,SWL,Short Term</sub>
	Top		Face		Qty	Type	C16	LVL		C16	LVL	
	Qty	Type	Qty	Type								
ITSE	4	N3.75*	2	N3.75*	2*	3.75 x 30	8.8	8.8	1.8	5.3	6.5	1.1

\* Refer to Characteristic Capacity table columns for type of fasteners that can be used on  
If no uplift is required, ITSE can be installed without any joist nails

### Product Capacities - I-Joist Header - Full nailing



References	Product Capacities - I-Joist Header - Full nailing												
	Installation	Number of Fasteners					Characteristic Capacities - Timber LVL [kN]			Safe working loads [kN]			
		Header				Joist		R <sub>1,k</sub>		R <sub>2,k</sub>	R <sub>1,SWL,Long Term</sub>		R <sub>2,SWL,Short Term</sub>
		Top		Face		Qty	Type	I-Joist Headers with LVL Flanges ≥ 35mm	I-Joist Headers with Solid Sawn Flanges ≥ 45mm		N3.75x30	I-Joist Headers with LVL Flanges ≥ 35mm	
		Qty	Type	Qty	Type								
ITSE	Back Blocks	4	N3.75*	2	N3.75*	2*	3.75 x 30	8.5	8.5	1.8	4.7	3.4	1.1

\* Refer to Characteristic Capacity table columns for type of fasteners that can be used on header. Capacities vary depending on fastener type used.

If no uplift is required, ITSE can be installed without any joist nails.

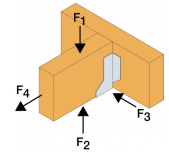
Backer blocks are required

When I-joists with solid timber flanges are used as headers, the capacity of the Connector is the same as the capacity when connected to a solid timber header of the same grade as the I-joist flanges

# Technical data sheet



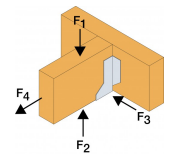
ITSE  
**Top Flange I-Joist Hanger**



Product capacities - Timber nailers header - 38-74 mm deep

References	Product capacities - Timber to timber nailers - 38-74 mm deep - Full nailing									
	Number of Fasteners						Characteristic capacities - Timber C16 [kN]		Safe Working Loads - Timber C16 [kN]	
	Header				Joist		$R_{1,k}$	$R_{2,k}$	$R_{1,SWL,Long\ term}$	Short Term Uplift
	Top		Face		Qty*	Type	N3.75x30	N3.75x30	N3.75x30	N3.75x30
Qty	Type	Qty	Type							
ITSE	4	N3.75x30	2	N3.75x30	2	N3.75x30	6.6	1.8	4.7	0.9

\*If no uplift is required, ITSE can be installed without any joist nails.



Product Capacities - Timber Nailers Header - 75-100 mm deep

References	Product capacities - Timber to timber nailers - 75-100 mm deep - full nailing									
	Number of Fasteners						Characteristic capacities - Timber C16 [kN]		Safe Working Loads - Timber C16 [kN]	
	Header				Joist		$R_{1,k}$	$R_{2,k}$	$R_{1,SWL,Long\ term}$	Short Term Uplift
	Top		Face		Qty*	Type	N3.75x75	N3.75x75	N3.75x75	N3.75x75
Qty	Type	Qty	Type							
ITSE	4	N3.75x75	2	N3.75x75	2	N3,75x30	8.8	1.8	5.3	0.9

\*If no uplift is required, ITSE can be installed without any joist nails.

## ITSE Top Flange I-Joist Hanger

### Installation

#### Applications

- 3.75x30mm square twist nails

