

ITSE

Beugels met bovenflenzen

De vernageling gebeurt aan de bovenflenzen, om te voldoen aan het bijzondere geval van bevestiging aan de bovenkant zoals wanneer de ondergrond uit een metalen balk bestaat.

Kenmerken

Materiaal

- Verzinkt staal S250GD + Z275 overeenkomstig NF EN 10346

Voordelen

- 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 manufactures 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 accomodate a skew up to 5 degrees.

Toepassingen

Ondergrond

Drager : massief hout, compositenhout, gelijmd gelamineerd hout

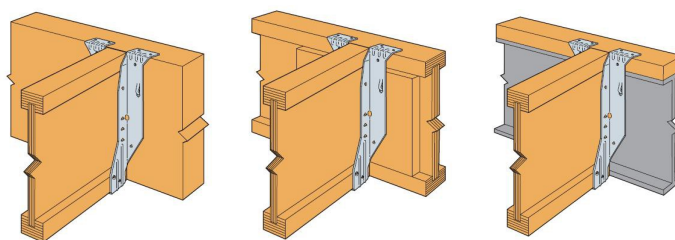
Gedragen bouwdeel : I-balken, massief hout, compositenhout...

Toepassingsgebieden

- Vloeren,
- Daken,
- Terras,
- Raveelbalk...

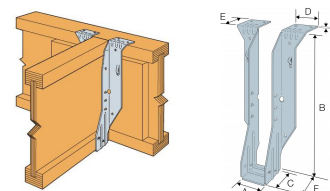
Installation

- When fitting onto I-joist headers, backer blocks are required. See I-joist manufacturer's details.
- Use all specified fasteners.



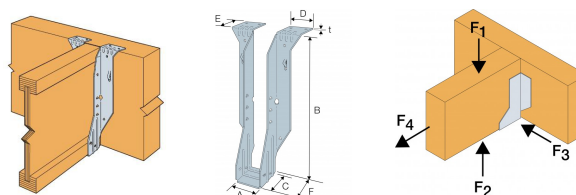
Technische gegevens

Afmetingen en karakteristieke waarden



Referentie	Afmetingen gedragen bouwdeel [mm]		Afmetingen en karakteristieke waarden [mm]							Drager Boorgaten		Gedragen boorgaten		Gewicht [kg]
	Breedte	Hoogte	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	-
ITSE234/41	38	235	41	234	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	-
ITSE194/48	45	195	48	194	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	-
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	-
ITSE194/50	47	195	50	194	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	-
ITSE219/54	51	220	54	219	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	-
ITSE219/66	63	220	66	219	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	-
ITSE219/75	72	220	75	219	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	-
ITSE234/92	89	235	92	234	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	-
ITSE234/100	97	235	100	234	51	51	34	62	1.2	2	6	6	2	-

Product Capacities - Solid timber Header - Full Nailing

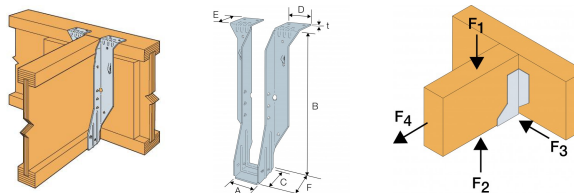


Referentie	Product capacities - Solid timber Header - Full nailing											
	Bevestigingen						Characteristic Capacities [kN]			Safe Working Loads [kN]		
	Drager				Spanwijdte		R _{1,k}		R _{2,k}	R _{1,SWL,Long Term}		R _{2,SWL,Short Term}
	Bovenkant		Zijkant		Aantal	Typ	C16	LVL		C16	LVL	
	Aantal	Typ	Aantal	Typ								
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

ITSE Beugels met bovenflenzen

Product Capacities - I-Joist Header - Full nailing



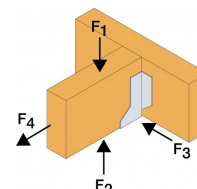
Referentie	Installation	Product Capacities - I-Joist Header - Full nailing													
		Bevestigingen						Characteristic Capacities - Timber LVL [kN]							
		Drager				Spanwijdte		R _{1,k}						R _{2,k}	
		Bovenkant		Zijkant		Aantal	Typ	I-Joist Headers with LVL Flanges ≥ 35mm	I-Joist Headers with Solid Sawn Flanges ≥ 45mm	N3.75x30	N3.75x75	CNA3.7x50	CSA4.0x30	N3.75x30	I-Joist Header with LVL Flange ≥ 35mm
		Aantal	Typ	Aantal	Typ										
ITSE	Back Blocks	4	N3.75*	2	N3.75*	2*	3.75 x 30	8.5	8.5	8.52	10.93	11.6	10.93	1.8	4.7

* Refer to Characteristic Capacity table columns for type of fasteners that can be used on header. Capacities vary with fastener type. 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 of the header of the same grade as the I-joist flanges

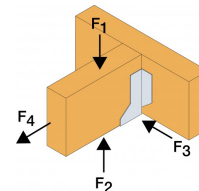
Product capacities - Timber nailers header - 38-74 mm deep



Referentie	Product capacities - Timber to timber nailers - 38-74 mm deep - Full nailing									
	Bevestigingen						Karakteristieke waarden - Houtsterkteklasse C16 [kN]		Safe Working Loads - Timber C16 [kN]	
	Drager				Spanwijdte		R _{1,k}		R _{2,k}	
	Bovenkant		Zijkant		Hoeveelheid*	Type	N3.75x30	N3.75x30	N3.75x30	N3.75x30
	Aantal	Type	Aantal	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.

ITSE Beugels met bovenflenzen



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

Referentie	Product capacities - Timber to timber nailers - 75-100 mm deep - full nailing									
	Bevestigingen						Karakteristieke waarden - Houtsterkteklasse C16 [kN]		Safe Working Loads - Timber C16 [kN]	
	Drager				Spanwijdte		R _{1,k}	R _{2,k}	R _{1,SWL,Long term}	R _{2,SWL,Short term}
	Bovenkant		Zijkant		Hoeveelheid*	Typ	N3.75x75	N3.75x75	N3.75x75	N3.75x75
	Aantal	Type	Aantal	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.

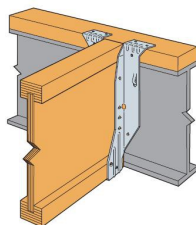
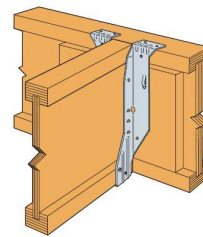
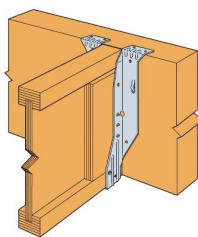
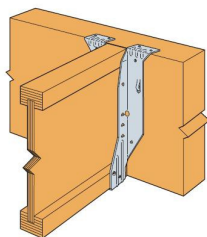
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Beugels met bovenflenzen

Plaatsing

Toepassingsgebieden

- Getorste Ø 3,75x30 of Ø 3,7x50 ringnagels.
- Er kan een verstijving nodig zijn ter hoogte van de oplegging. In dat geval moeten de nagels rechtstreeks in het verstijvingselement ingeslagen worden.
- De belastingsterkte kan verhoogd worden door de driehoeksgaten aan te vullen. Raadpleeg onze technische dienst.



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