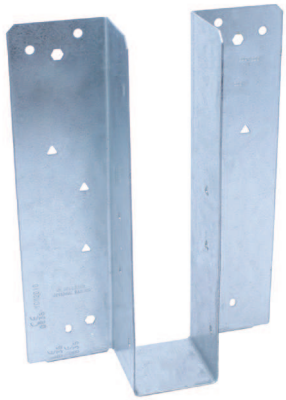
Metal Web Joist Hangers

The IUB/HIUB hangers support metal web joists and solid timber joists without the need for plywood gussets.
They incorporate the unique feature of bottom flanges, which provide enhanced capacity.

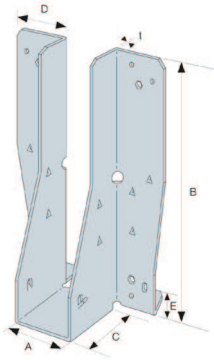
- Can be used on metal web joists or solid joist headers.
- Eliminates the need for plywood gussets when supported from a metal web joist.
- IUB Bottom flanges provide enhanced download capacity and quickly sets the hanger onto the header.
- Obround holes in face to provide easier nailing access in tight locations.
- IUB: Positive Angle Nailing (PAN) of joist to speed installation and reduce the likelihood of splitting.
- IUB has hexagonal holes for SDS screw installation and optional triangular nail holes for additional download, when used in conjunction with a plywood gusset, and additional uplift capacities.

Material: Pre-galvanised mild steel.



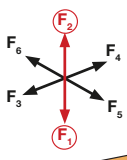
Product Dimensions

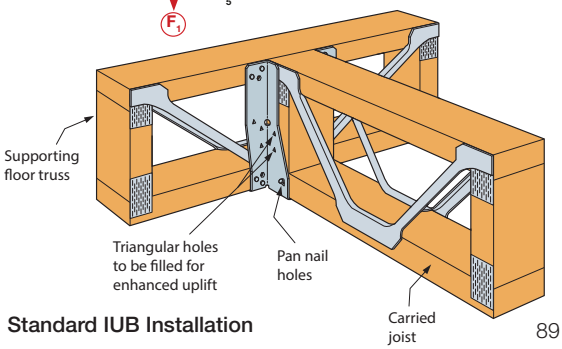
Model No.	Joist [mm]		Dimensions [mm]						Header Holes				Joist Holes	
	Width	Height	A	B	C	D	E	t	Ø4.1	Ø6.4	Ø6x4 Obround	Tri	Ø6x4 Obround	Tri
IUB195/50	47	195 - 202	50	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/50	47	218 - 225	50	215	50	50	53	1.2	4	8	2	6	2	4
IUB253/50	47	253 - 254	50	248	50	50	53	1.2	4	8	2	6	2	4
IUB304/50	47	304	50	299	50	50	53	1.2	4	8	2	6	2	4
IUB355/50	47	356	50	350	50	50	53	1.2	4	8	2	6	2	4
IUB375/50	47	373	50	370	50	50	53	1.2	4	8	2	6	2	4
IUB420/50	47	417 - 421	50	415	50	50	53	1.2	4	8	2	6	2	4
IUB195/75	72	195 - 202	75	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/75	72	218 - 225	75	215	50	50	53	1.2	4	8	2	6	2	4
IUB253/75	72	253 - 254	75	248	50	50	53	1.2	4	8	2	6	2	4
IUB304/75	72	304	75	299	50	50	53	1.2	4	8	2	6	2	4
IUB355/75	72	356	75	350	50	50	53	1.2	4	8	2	6	2	4
IUB375/75	72	373	75	370	50	50	53	1.2	4	8	2	6	2	4
IUB420/75	72	417 - 421	75	415	50	50	53	1.2	4	8	2	6	2	4
IUB195/99	97	195	99	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/99	97	220	99	215	50	50	53	1.2	4	8	2	6	2	4
IUB253/99	97	253 - 254	99	248	50	50	53	1.2	4	8	2	6	2	4
IUB304/99	97	304	99	299	50	50	53	1.2	4	8	2	6	2	4
IUB355/99	97	356	99	350	50	50	53	1.2	4	8	2	6	2	4
IUB375/99	97	373	99	370	50	50	53	1.2	4	8	2	6	2	4
IUB420/99	97	417 - 421	99	415	50	50	53	1.2	4	8	2	6	2	4
IUB195/125	122	195 - 202	125	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/125	122	218 - 225	125	215	50	50	53	1.2	4	8	2	6	2	4
IUB304/125	122	304	125	299	50	50	53	1.2	4	8	2	6	2	4
IUB420/125	122	417 - 421	125	415	50	50	53	1.2	4	8	2	6	2	4
IUB195/146	2x72	195 - 202	146	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/146	2x72	218 - 225	146	215	50	50	53	1.2	4	8	2	6	2	4
IUB253/146	2x72	253 - 254	146	248	50	50	53	1.2	4	8	2	6	2	4
IUB304/146	2x72	304	146	299	50	50	53	1.2	4	8	2	6	2	4
IUB355/146	2x72	356	146	350	50	50	53	1.2	4	8	2	6	2	4
IUB375/146	2x72	373	146	370	50	50	53	1.2	4	8	2	6	2	4
IUB420/146	2x72	218 - 225	146	415	50	50	53	1.2	4	8	2	6	2	4
IUB195/150	147	195 - 202	150	190	50	50	53	1.2	4	8	2	6	2	4
IUB220/150	147	218 - 225	150	215	50	50	53	1.2	4	8	2	6	2	4
IUB304/150	147	304	150	299	50	50	53	1.2	4	8	2	6	2	4
IUB420/150	147	417 - 421	150	415	50	50	53	1.2	4	8	2	6	2	4



Installation:

- Position the hanger onto the face of supporting floor joist, ensuring the bottom flanges are tight up against the underside of the bottom chord.
- Install 3.75 x 30mm nails into the holes within the hanger bottom flanges. Fill all face round and obround holes with 3.75 x 30mm square twist nails.
- Sit the carried joist into the hanger and install 3.75 x 30mm nails through the angled pan nail holes into the joist.
- For enhanced uplift, fill all joist triangular nail holes with 3.75 x 30mm nails. For SDS screw installation the IUB may be installed with 4 no. 6.2 x 63.5mm long SDS screws through the hexagonal holes in the face.





Standard IUB Installation

Performance Values

Model No.	Hanger Height [mm]	Fasteners				Safe Working Loads [kN]		Characteristic Capacities [kN]	
		Header		Joist					
		Qty	Type	Qty	Type	$R_{1,SWL,Long\ term}$	$R_{2,SWL,Short\ Term}$	$R_{1,K}$	$R_{2,K}$
IUB	190-415	10	N3.75x30	2	N3.75x30	3.5	1.0	8.1	2.0
	190	4	SDS25212	2	N3.75x30	5.8	1.0	13.6	2.0
	215-415	4	SDS25212	2	N3.75x30	7.4	1.0	13.6	2.0

Note: Minimum header width of 72mm for SDS Installation.

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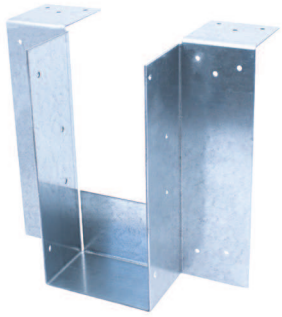
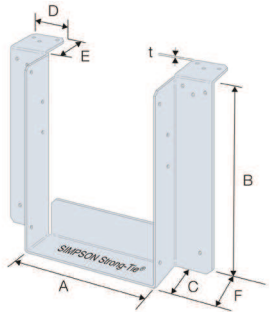
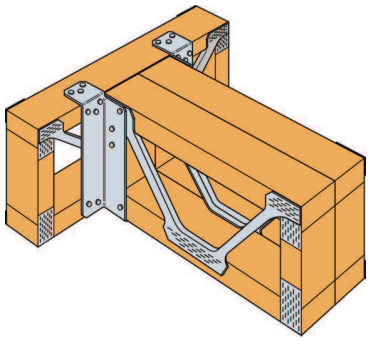
IUB/HIUB

Product Dimensions

Model No.	Joist [mm]		Dimensions [mm]							Header Holes	Joist Holes	
	Width	Height	A	B	C	D	E	F	t	Ø4.1	Ø4.1	Ø6x4 Obround
HIUB195/75	72	195	75	195	63	64	64	66	2	16	6	2
HIUB202/75	72	202	75	202	63	64	64	66	2	16	6	2
HIUB219/75	72	219	75	219	63	64	64	66	2	16	6	2
HIUB225/75	72	225	75	225	63	64	64	66	2	16	6	2
HIUB254/75	72	253 I 254	75	254	63	64	64	66	2	16	6	2
HIUB304/75	72	304	75	304	63	64	64	66	2	16	6	2
HIUB356/75	72	356	75	356	63	64	64	66	2	16	6	2
HIUB373/75	72	373	75	373	63	64	64	66	2	16	6	2
HIUB418/75	72	417 I 418	75	418	63	64	64	66	2	16	6	2
HIUB421/75	72	421	75	421	63	64	64	66	2	16	6	2
HIUB424/75	72	424	75	424	63	64	64	66	2	16	6	2
HIUB195/99	97	195	99	195	63	64	64	66	2	16	6	2
HIUB202/99	97	202	99	202	63	64	64	66	2	16	6	2
HIUB219/99	97	219	99	219	63	64	64	66	2	16	6	2
HIUB225/99	97	225	99	225	63	64	64	66	2	16	6	2
HIUB254/99	97	253 I 254	99	254	63	64	64	66	2	16	6	2
HIUB304/99	97	304	99	304	63	64	64	66	2	16	6	2
HIUB356/99	97	356	99	356	63	64	64	66	2	16	6	2
HIUB373/99	97	373	99	373	63	64	64	66	2	16	6	2
HIUB418/99	97	417 I 418	99	418	63	64	64	66	2	16	6	2
HIUB421/99	97	421	99	421	63	64	64	66	2	16	6	2
HIUB424/99	97	424	99	424	63	64	64	66	2	16	6	2
HIUB195/125	122	195	125	195	63	64	64	66	2	16	6	2
HIUB219/125	122	219	125	219	63	64	64	66	2	16	6	2
HIUB254/125	122	253 I 254	125	254	63	64	64	66	2	16	6	2
HIUB304/125	122	304	125	304	63	64	64	66	2	16	6	2
HIUB418/125	122	417 I 418	125	418	63	64	64	66	2	16	6	2
HIUB195/146	2x72	195	146	195	63	64	64	66	2	16	6	2
HIUB202/146	2x72	202	146	202	63	64	64	66	2	16	6	2
HIUB219/146	2x72	219	146	219	63	64	64	66	2	16	6	2
HIUB225/146	2x72	225	146	225	63	64	64	66	2	16	6	2
HIUB254/146	2x72	253 I 254	146	254	63	64	64	66	2	16	6	2
HIUB304/146	2x72	304	146	304	63	64	64	66	2	16	6	2
HIUB356/146	2x72	356	146	356	63	64	64	66	2	16	6	2
HIUB373/146	2x72	373	146	373	63	64	64	66	2	16	6	2
HIUB418/146	2x72	417 I 418	146	418	63	64	64	66	2	16	6	2
HIUB421/146	2x72	421	146	421	63	64	64	66	2	16	6	2
HIUB424/146	2x72	424	146	424	63	64	64	66	2	16	6	2
HIUB219/150	147	219	150	219	63	64	64	66	2	16	6	2
HIUB254/150	147	253 I 254	150	254	63	64	64	66	2	16	6	2
HIUB304/150	147	304	150	304	63	64	64	66	2	16	6	2
HIUB418/150	147	417 I 418	150	418	63	64	64	66	2	16	6	2
HIUB195/196	2x97	195	196	195	63	64	64	66	2	16	6	2
HIUB202/196	2x97	202	196	202	63	64	64	66	2	16	6	2
HIUB219/196	2x97	219	196	219	63	64	64	66	2	16	6	2
HIUB225/196	2x97	225	196	225	63	64	64	66	2	16	6	2
HIUB254/196	2x97	253 I 254	196	254	63	64	64	66	2	16	6	2
HIUB304/196	2x97	304	196	304	63	64	64	66	2	16	6	2
HIUB356/196	2x97	356	196	356	63	64	64	66	2	16	6	2
HIUB373/196	2x97	373	196	373	63	64	64	66	2	16	6	2
HIUB418/196	2x97	417 I 418	196	418	63	64	64	66	2	16	6	2
HIUB421/196	2x97	421	196	421	63	64	64	66	2	16	6	2
HIUB424/196	2x97	424	196	424	63	64	64	66	2	16	6	2
HIUB195/246	2x122	195	246	195	63	64	64	66	2	16	6	2
HIUB219/246	2x122	219	246	219	63	64	64	66	2	16	6	2
HIUB254/246	2x122	253 I 254	246	254	63	64	64	66	2	16	6	2
HIUB304/246	2x122	304	246	304	63	64	64	66	2	16	6	2
HIUB195/296	2x147	195	296	195	63	64	64	66	2	16	6	2
HIUB219/296	2x147	219	296	219	63	64	64	66	2	16	6	2
HIUB254/296	2x147	235 I 254	296	254	63	64	64	66	2	16	6	2
HIUB254/296	2x147	235 I 254	296	254	63	64	64	66	2	16	6	2
HIUB304/296	2x147	304	296	304	63	64	64	66	2	16	6	2
HIUB418/296	2x147	417 I 418	296	418	63	64	64	66	2	16	6	2



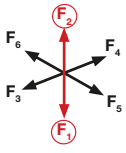




Standard HIUB Installation

Performance Values

Model No.	Hanger Height [mm]	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 Qty	Type	Face Qty	Type	Qty	Type				
HIUB	Standard	6	N3.75 x 30	10	N3.75 x 30	8	N3.75 x 30	8.1	3.5	19.2	7.0
	Enhanced	6	N3.75 x 30	10	N3.75 x 30	8	N3.75 x 30	10.8	3.5	23.4	7.0



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