

Technical data sheet

SIMPSON

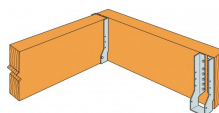
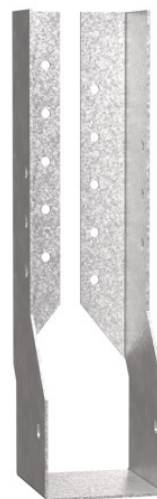
Strong-Tie

IUC

Face Fix Concealed Flange Hanger

The IUC is a face mounted concealed flange hanger for solid timber sections or engineered joists.

These hangers cannot be skewed but will normally accommodate a skew of up to 5°. For concealed flange hangers with widths greater than 91mm see SAI hanger catalogue page.



Features

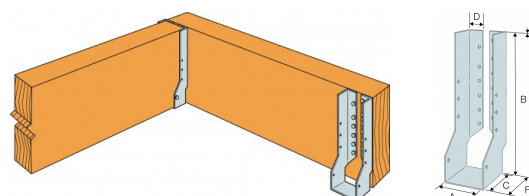
Material

Pre-galvanised mild steel

IUC Face Fix Concealed Flange Hanger

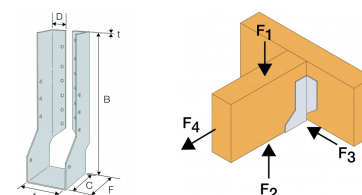
Technical Data

Product Dimensions



References	Joist Size [mm]				Product Dimensions [mm]						Header holes	Joist holes		Weight [kg]
	Width		Height		A	B	C	D	F	t	Ø4	Ø4	Triangular	
	Min	Max.	Min	Max.										
IUC142/40	38	40	145	175	40	142	51	19	57	1.2	6	2	6	0.156
IUC192/40	38	40	195	220	40	192	51	19	57	1.2	10	2	6	0.205
IUC217/40	38	40	220	245	40	217	51	19	57	1.2	12	2	6	0.229
IUC142/47	45	47	145	175	47	142	51	19	57	1.2	6	2	6	0.16
IUC192/47	45	47	195	220	47	192	51	19	57	1.2	10	2	6	0.208
IUC217/47	45	47	220	245	47	217	51	19	57	1.2	12	2	6	0.232
IUC192/50	47	50	195	220	50	192	51	19	57	1.2	10	2	6	0.21
IUC217/50	47	50	220	245	50	217	51	19	57	1.2	12	2	6	0.234
IUC192/53	51	53	195	220	53	192	51	19	57	1.2	10	2	6	0.211
IUC217/53	51	53	220	245	53	217	51	19	57	1.2	12	2	6	0.235
IUC192/61	59	61	195	220	61	192	51	19	57	1.2	10	2	6	0.215
IUC217/61	59	61	220	245	61	217	51	19	57	1.2	12	2	6	0.239
IUC192/66	63	66	195	220	66	192	51	19	57	1.2	10	2	6	0.217
IUC217/66	63	66	220	245	66	217	51	19	57	1.2	12	2	6	0.241
IUC192/72	70	72	195	220	72	192	51	19	57	1.2	10	2	6	0.22
IUC217/72	70	72	220	245	72	217	51	19	57	1.2	12	2	6	0.244
IUC192/75	72	75	195	220	75	192	51	19	57	1.2	10	2	6	0.222
IUC217/75	72	75	220	245	75	217	51	19	57	1.2	12	2	6	0.246
IUC192/91	89	91	195	220	91	192	51	19	57	1.2	10	2	6	0.229
IUC217/91	89	91	220	245	91	217	51	19	57	1.2	12	2	6	0.253

Performance Values



References	Number of Fasteners		Characteristic Capacities [kN]				
	Header	Joist	R _{1,k}				R _{2,k}
	Qty	Qty	C16 or I Joist Header		C24 or LVL		N3.75x30
			N3.75x30	N3.75x75	N3.75x30	N3.75x75	
IUC142	6	2	3.8	7.9	8.1	10.7	1.8
IUC192	10	2	7.5	13.1	13.5	17.8	1.8
IUC217	12	2	10	15.7	16.2	21.4	1.8

* Performance Capacities differ depending on the type of header nail used (N3.75x30mm Square Twist Nails or N3.75x75mm Round Wire Nails)

IUC

Face Fix Concealed Flange Hanger

Installation

Installation

Use all specified fasteners (see table below).

Verify that the header can take the fasteners specified in the table.

Web stiffeners are not required with I-Joists when the top flange is laterally supported by both sides of the hanger.

