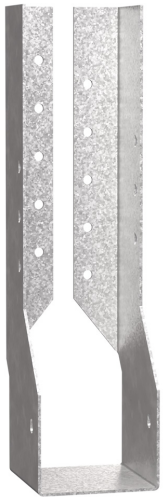
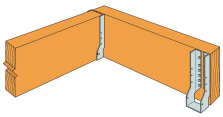
Technical Sheet

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 accomodate 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

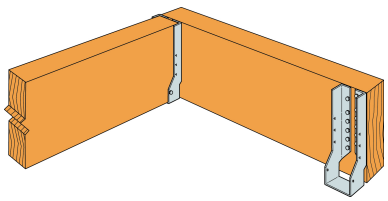
Technical Sheet

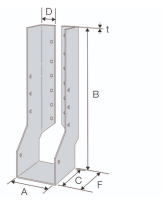
IUC
Face Fix Concealed Flange Hanger

SIMPSON Strong-Tie

Technical Data

Product Dimensions

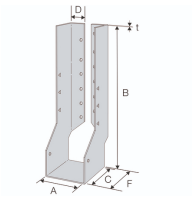


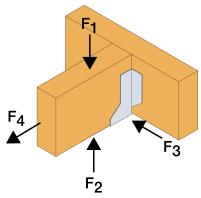


Reference	Connector Dimensions													
	Timber size[mm]				Product Dimensions[mm]						Header holes	Joist holes		Other
	Height		Width		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round	Traingular[mm]	Obround	Weight[kg]
	Min[mm]	Max. [mm]	Min[mm]	Max. [mm]							Ø4		Ø4	
IUC142/40	145	175	38	40	40	142	51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

Technical Sheet

IUC
Face Fix Concealed Flange Hanger





Performance Values

Reference	Hanger capacity						
	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	6.0	2.0	3.8	7.9	8.1	10.7	1.8
IUC192	10.0	2.0	7.5	13.1	13.5	17.8	1.8
IUC217	12.0	2.0	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)

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.

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