

Technical data sheet

SIMPSON

Strong-Tie

IUSE

Face Fix I-Joist Hanger

The IUSE is a face fix hanger for supporting I-joists from timber members.

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

The I-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.

The top tab allows for easier installation.



Features

Material

- Pre-galvanised mild steel

Benefits

- Easy and quick installation
- No nail on the joist
- Snap fastening
- Compatible with I-beams

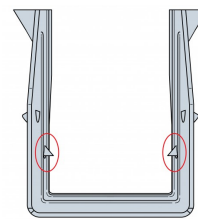
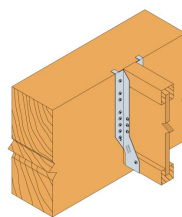
Applications

Suitable On

- **Supporting member:** solid wood, composite lumber, glued-laminated wood
- **Supported member:** I-beams

When to Use

- Floors
- Joist fastening, etc



Strong-Grip

Technical data sheet

IUSE
Face Fix I-Joist Hanger

SIMPSON

Strong-Tie®

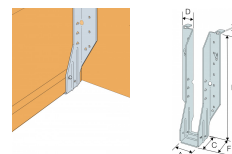
Technical Data

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger



Product Dimensions

References	Tun / DB nr.	NOB nr.	Joist Size [mm]		Product Dimensions [mm]						Header holes		Joist holes	
			Width	Height	A	B	C	D	F	t	Ø4.3	Ø4 Triangle	Ø4	Ø4 Triangle
IUSE194/41	-	-	38	195	41	194	51	29.5	59	1.2	10	6	2	2
IUSE199/41	-	-	38	200	41	199	51	29.5	59	1.2	10	6	2	2
IUSE219/41	-	-	38	220	41	219	51	29.5	59	1.2	12	6	2	2
IUSE224/41	-	-	38	225	41	224	51	29.5	59	1.2	12	6	2	2
IUSE234/41	-	-	38	235	41	234	51	29.5	59	1.2	12	6	2	2
IUSE239/41	-	-	38	240	41	239	51	29.5	59	1.2	14	6	2	2
IUSE244/41	-	-	38	245	41	244	51	29.5	59	1.2	14	6	2	2
IUSE299/41	-	-	38	300	41	299	51	29.5	59	1.2	16	6	2	2
IUSE349/41	-	-	38	350	41	349	51	29.5	59	1.2	20	6	2	2
IUSE194/48	-	-	45	195	48	194	51	29.5	59	1.2	10	6	2	2
IUSE199/48	1968374	46819038	45	200	48	199	51	29.5	59	1.2	10	6	2	2
IUSE219/48	-	-	45	220	48	219	51	29.5	59	1.2	12	6	2	2
IUSE225/48	-	-	45	225	48	225	51	29.5	59	1.2	12	6	2	2
IUSE234/48	-	-	45	235	48	234	51	29.5	59	1.2	12	6	2	2
IUSE239/48	-	-	45	240	48	239	51	29.5	59	1.2	14	6	2	2
IUSE244/48	-	-	45	245	48	244	51	29.5	59	1.2	14	6	2	2
IUSE299/48	1968372	46819061	45	300	48	299	51	29.5	59	1.2	16	6	2	2
IUSE349/48	1968373	46825433	45	350	48	349	51	29.5	59	1.2	20	6	2	2
IUSE355/48	-	-	45	356	48	355	51	29.5	59	1.2	20	6	2	2
IUSE359/48	-	46450335	45	360	48	359	51	29.5	59	1.2	20	6	2	2
IUSE399/48	-	46825482	45	400	48	399	51	29.5	59	1.2	22	6	2	2
IUSE144/50	-	-	47	145	50	144	51	29.5	59	1.2	6	2	2	2
IUSE194/50	-	-	47	195	50	194	51	29.5	59	1.2	10	6	2	2
IUSE199/50	1418502	42948125	47	200	50	199	51	29.5	59	1.2	10	6	2	2
IUSE219/50	1418506	42948144	47	220	50	219	51	29.5	59	1.2	12	6	2	2
IUSE234/50	-	-	47	235	50	234	51	29.5	59	1.2	12	6	2	2
IUSE239/50	-	-	47	240	50	239	51	29.5	59	1.2	14	6	2	2
IUSE244/50	1454467	43932465	47	245	50	244	51	29.5	59	1.2	14	6	2	2
IUSE299/50	1418361	42948163	47	300	50	299	51	29.5	59	1.2	16	6	2	2
IUSE349/50	1418363	42948182	47	350	50	349	51	29.5	59	1.2	20	6	2	2
IUSE399/50	1418365	42948201	47	400	50	399	51	29.5	59	1.2	22	6	2	2
IUSE219/54	-	-	51	200	54	219	51	29.5	59	1.2	14	6	2	2
IUSE239/54	-	-	51	240	54	239	51	29.5	59	1.2	14	6	2	2
IUSE299/54	-	-	51	300	54	299	51	29.5	59	1.2	16	6	2	2
IUSE355/54	-	-	51	356	54	355	51	29.5	59	1.2	20	6	2	2
IUSE239/56	-	-	53	240	56	239	51	29.5	59	1.2	14	6	2	2
IUSE299/56	-	-	53	300	56	299	51	29.5	59	1.2	16	6	2	2
IUSE179/61	-	-	58-60	180	61	179	51	29.5	59	1.2	8	4	2	2
IUSE199/61	1418503	42948133	58-60	200	61	199	51	29.5	59	1.2	10	6	2	2
IUSE219/61	-	-	58-60	220	61	219	51	29.5	59	1.2	12	6	2	2
IUSE239/61	1418507	42948152	58-60	240	61	239	51	29.5	59	1.2	14	6	2	2

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger

References	Tun / DB nr.	NOB nr.	Joist Size [mm]		Product Dimensions [mm]						Header holes		Joist holes	
			Width	Height	A	B	C	D	F	t	Ø4.3	Ø4 Triangle	Ø4	Ø4 Triangle
IUSE249/61	-	-	58-60	249	61	249	51	29.5	59	1.2	14	6	2	2
IUSE299/61	1418362	42948178	58-60	300	61	299	51	29.5	59	1.2	16	6	2	2
IUSE355/61	-	-	58-60	356	61	355	51	29.5	59	1.2	20	6	2	2
IUSE359/61	1418364	42948197	58-60	360	61	359	51	29.5	59	1.2	20	6	2	2
IUSE399/61	1418366	42948216	58-60	400	61	399	51	29.5	59	1.2	22	6	2	2
IUSE405/61	-	-	58-60	406	61	405	51	29.5	59	1.2	22	6	2	2
IUSE199/63	-	-	60	200	63	199	51	29.5	59	1.2	10	6	2	2
IUSE219/63	-	-	60	220	63	219	51	29.5	59	1.2	12	6	2	2
IUSE239/63	-	-	60	240	63	239	51	29.5	59	1.2	14	6	2	2
IUSE299/63	-	46819125	60	300	63	299	51	29.5	59	1.2	16	6	2	2
IUSE359/63	1454470	43899058	60	360	63	359	51	29.5	59	1.2	20	6	2	2
IUSE399/63	1454472	43899062	60	400	63	399	51	29.5	59	1.2	22	6	2	2
IUSE194/66	-	-	63	195	66	194	51	29.5	59	1.2	10	6	2	2
IUSE219/66	-	-	63	220	66	219	51	29.5	59	1.2	12	6	2	2
IUSE224/66	-	-	63	225	66	224	51	29.5	59	1.2	12	6	2	2
IUSE234/66	-	-	63	235	66	234	51	29.5	59	1.2	12	6	2	2
IUSE237/66	-	-	63	238	66	237	51	29.5	59	1.2	12	6	2	2
IUSE239/66	-	-	63	240	66	239	51	29.5	59	1.2	14	6	2	2
IUSE244/66	-	-	63	245	66	244	51	29.5	59	1.2	14	6	2	2
IUSE299/66	-	-	63	300	66	299	51	29.5	59	1.2	16	6	2	2
IUSE329/66	-	-	63	330	66	329	51	29.5	59	1.2	18	6	2	2
IUSE355/66	-	-	63	356	66	355	51	29.5	59	1.2	20	6	2	2
IUSE359/66	-	-	63	360	66	359	51	29.5	59	1.2	20	6	2	2
IUSE399/66	-	-	63	400	66	399	51	29.5	59	1.2	22	6	2	2
IUSE405/66	-	-	63	406	66	405	51	29.5	59	1.2	22	6	2	2
IUSE199/73	-	-	70	200	73	199	51	29.5	59	1.2	10	6	2	2
IUSE219/73	-	-	70	220	73	219	51	29.5	59	1.2	12	6	2	2
IUSE224/73	-	-	70	225	73	224	51	29.5	59	1.2	12	6	2	2
IUSE239/73	-	-	69-70	240	73	239	51	29.5	59	1.2	14	6	2	2
IUSE254/73	-	-	70	255	73	254	51	29.5	59	1.2	14	6	2	2
IUSE284/73	-	-	70	285	73	284	51	29.5	59	1.2	16	6	2	2
IUSE294/73	-	-	70	295	73	294	51	29.5	59	1.2	16	6	2	2
IUSE299/73	-	-	69-70	300	73	299	51	29.5	59	1.2	16	6	2	2
IUSE324/73	-	-	70	325	73	324	51	29.5	59	1.2	18	6	2	2
IUSE349/73	-	-	70	350	73	349	51	29.5	59	1.2	20	6	2	2
IUSE359/73	-	-	70	360	73	359	51	29.5	59	1.2	20	6	2	2
IUSE389/73	-	-	70	390	73	389	51	29.5	59	1.2	22	6	2	2
IUSE399/73	-	-	70	400	73	399	51	29.5	59	1.2	22	6	2	2
IUSE194/75	-	-	72	195	75	194	51	29.5	59	1.2	10	6	2	2
IUSE219/75	-	-	72	220	75	219	51	29.5	59	1.2	12	6	2	2
IUSE234/75	-	-	72	235	75	234	51	29.5	59	1.2	12	6	2	2
IUSE244/75	-	-	72	245	75	244	51	29.5	59	1.2	14	6	2	2
IUSE299/75	-	-	72	300	75	299	51	29.5	59	1.2	16	6	2	2

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger

References	Tun / DB nr.	NOB nr.	Joist Size [mm]		Product Dimensions [mm]						Header holes		Joist holes	
			Width	Height	A	B	C	D	F	t	Ø4.3	Ø4 Triangle	Ø4	Ø4 Triangle
IUSE349/75	-	-	72	350	75	349	51	29.5	59	1.2	20	6	2	2
IUSE399/75	-	-	72	400	75	399	51	29.5	59	1.2	22	6	2	2
IUSE194/92	-	-	89 - 90	195	92	194	51	29.5	59	1.2	10	6	2	2
IUSE199/92	-	-	89 - 90	200	92	199	51	29.5	59	1.2	10	6	2	2
IUSE219/92	-	-	89 - 90	220	92	219	51	29.5	59	1.2	12	6	2	2
IUSE224/92	-	-	89 - 90	225	92	224	51	29.5	59	1.2	12	6	2	2
IUSE234/92	-	-	89 - 90	235	92	234	51	29.5	59	1.2	12	6	2	2
IUSE237/92	-	-	89 - 90	238	92	237	51	29.5	59	1.2	12	6	2	2
IUSE239/92	-	-	89 - 90	240	92	239	51	29.5	59	1.2	14	6	2	2
IUSE244/92	-	-	89 - 90	245	92	244	51	29.5	59	1.2	14	6	2	2
IUSE249/92	-	-	89 - 90	250	92	249	51	29.5	59	1.2	14	6	2	2
IUSE254/92	-	-	89 - 90	255	92	254	51	29.5	59	1.2	14	6	2	2
IUSE284/92	-	-	89 - 90	285	92	284	51	29.5	59	1.2	16	6	2	2
IUSE299/92	-	46821698	89 - 90	300	92	299	51	29.5	59	1.2	16	6	2	2
IUSE324/92	-	-	89 - 90	325	92	324	51	29.5	59	1.2	18	6	2	2
IUSE329/92	-	-	89 - 90	330	92	329	51	29.5	59	1.2	18	6	2	2
IUSE355/92	-	-	89 - 90	356	92	355	51	29.5	59	1.2	20	6	2	2
IUSE359/92	-	-	89 - 90	360	92	359	51	29.5	59	1.2	20	6	2	2
IUSE389/92	-	-	89 - 90	390	92	389	51	29.5	59	1.2	22	6	2	2
IUSE399/92	-	46825546	89 - 90	400	92	399	51	29.5	59	1.2	22	6	2	2
IUSE405/92	-	-	89 - 90	406	92	405	51	29.5	59	1.2	22	6	2	2
IUSE294/93	-	-	89 - 90	295	93	294	51	29.5	59	1.2	16	6	2	2
IUSE194/96	-	-	2x47	195	96	194	51	29.5	59	1.2	10	6	2	2
IUSE219/96	-	-	2x47	220	96	219	51	29.5	59	1.2	12	6	2	2
IUSE234/96	-	-	2x47	235	96	234	51	29.5	59	1.2	12	6	2	2
IUSE244/96	-	-	2x47	245	96	244	51	29.5	59	1.2	14	6	2	2
IUSE299/96	-	-	2x47	300	96	299	51	29.5	59	1.2	16	6	2	2
IUSE254/98	-	-	95-97	255	98	254	51	29.5	59	1.2	14	6	2	2
IUSE269/98	-	-	95-97	270	98	269	51	29.5	59	1.2	14	6	2	2
IUSE294/98	-	-	95-97	295	98	294	51	29.5	59	1.2	16	6	2	2
IUSE319/98	-	-	95-97	320	98	319	51	29.5	59	1.2	18	6	2	2

Technical data sheet

SIMPSON

Strong-Tie

IUSE

Face Fix I-Joist Hanger

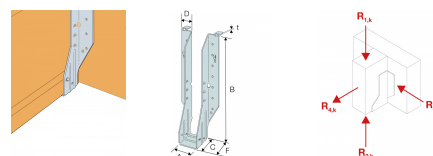
References	Tun / DB nr.	NOB nr.	Joist Size [mm]		Product Dimensions [mm]						Header holes		Joist holes	
			Width	Height	A	B	C	D	F	t	Ø4.3	Ø4 Triangle	Ø4	Ø4 Triangle
IUSE359/98	-	-	95-97	360	98	359	51	29.5	59	1.2	20	6	2	2
IUSE399/98	-	-	95-97	400	98	399	51	29.5	59	1.2	22	6	2	2
IUSE194/100	-	-	97	195	100	194	51	29.5	59	1.2	10	6	2	2
IUSE219/100	-	-	97	220	100	219	51	29.5	59	1.2	12	6	2	2
IUSE234/100	-	-	97	235	100	234	51	29.5	59	1.2	12	6	2	2
IUSE239/100	-	-	96	240	100	239	51	29.5	59	1.2	14	6	2	2
IUSE244/100	-	-	97	245	100	244	51	29.5	59	1.2	14	6	2	2
IUSE249/100	-	-	97	250	100	249	51	29.5	59	1.2	14	6	2	2
IUSE299/100	-	-	96-97	300	100	299	51	29.5	59	1.2	16	6	2	2
IUSE349/100	-	-	97	350	100	349	51	29.5	59	1.2	20	6	2	2
IUSE399/100	-	-	97	400	100	399	51	29.5	59	1.2	22	6	2	2

Technical data sheet

IUSE Face Fix I-Joist Hanger

SIMPSON

Strong-Tie



Product Capacities - Full Nailing

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]									
	Width	Height	Header	Joist	$R_{1,k}$									
			Qty	Qty	C16 & I-Joist Header		C18	C24				SCL	LVL Header	
					N3.75x30	N3.75x75	N3.75x30	N3.75x30	CNA3,7x50	CNA4,0x40	CSA4.0x30	N3.75x30	N3.75x30	N3.75
IUSE194/41	38	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE199/41	38	200	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE219/41	38	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE224/41	38	225	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/41	38	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/41	38	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/41	38	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/41	38	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE349/41	38	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE194/48	45	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE199/48	45	200	10	2	7.5	13.1	7.9	9.5	19.8	18.3	13.6	13.5	13.5	17.
IUSE219/48	45	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE225/48	45	225	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/48	45	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/48	45	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/48	45	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/48	45	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE349/48	45	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE355/48	45	356	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE359/48	45	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/48	45	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE144/50	47	145	6	2	3.8	7.8	-	3.8	11.8	10.9	8.1	-	8.1	10.
IUSE194/50	47	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE199/50	47	200	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE219/50	47	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/50	47	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/50	47	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/50	47	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/50	47	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE349/50	47	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/50	47	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE219/54	51	200	14	2	12.5	18.3	13	14	23.7	21.9	16.3	18.9	18.9	24.
IUSE239/54	51	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/54	51	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE355/54	51	356	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE239/56	53	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/56	53	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in the header. Capacities used.

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]									
	Width	Height	Header	Joist	R _{1,k}									
			Qty	Qty	C16 & I-Joist Header		C18	C24			SCL		LVL Header	
					N3.75x30	N3.75x75	N3.75x30	N3.75x30	CNA3,7x50	CNA4,0x40	CSA4.0x30	N3.75x30	N3.75x30	N3.75
IUSE179/61	58-60	180	8	2	-	-	5.8	7	15.8	14.6	10.8	10.8	7	-
IUSE199/61	58-60	200	10	2	7.5	13.1	7.9	9.5	19.8	18.3	13.6	13.5	13.5	17.
IUSE219/61	58-60	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/61	58-60	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE249/61	58-60	249	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/61	58-60	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE355/61	58-60	356	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE359/61	58-60	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/61	58-60	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE405/61	58-60	406	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE199/63	60	200	10	2	7.5	13.1	7.9	9.5	19.8	18.3	13.6	13.5	13.5	17.
IUSE219/63	60	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/63	60	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/63	60	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE359/63	60	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/63	60	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE194/66	63	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE219/66	63	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE224/66	63	225	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/66	63	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE237/66	63	238	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/66	63	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/66	63	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/66	63	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE329/66	63	330	18	2	-	-	16.7	18	32.4	32.4	24.4	24.3	18	-
IUSE355/66	63	356	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE359/66	63	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/66	63	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE405/66	63	406	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE199/73	70	200	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE219/73	70	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE224/73	70	225	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/73	69-70	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE254/73	70	255	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE284/73	70	285	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in the header. Capacities used.

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]									
	Width	Height	Header	Joist	R _{1,k}									
			Qty	Qty	C16 & I-Joist Header		C18	C24				SCL	LVL Header	
					N3.75x30	N3.75x75	N3.75x30	N3.75x30	CNA3,7x50	CNA4,0x40	CSA4.0x30	N3.75x30	N3.75x30	N3.75
IUSE294/73	70	295	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE299/73	69-70	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE324/73	70	325	18	2	-	-	16.7	18	32.4	32.4	24.4	24.3	18	-
IUSE349/73	70	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE359/73	70	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE389/73	70	390	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/73	70	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE194/75	72	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE219/75	72	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/75	72	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE244/75	72	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/75	72	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE349/75	72	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/75	72	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE194/92	89 - 90	195	10	2	7.5	13.1	-	9.5	19.8	18.3	13.6	-	13.5	17.
IUSE199/92	89 - 90	200	10	2	7.5	13.1	7.9	9.5	19.8	18.3	13.6	13.5	13.5	17.
IUSE219/92	89 - 90	220	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE224/92	89 - 90	225	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE234/92	89 - 90	235	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE237/92	89 - 90	238	12	2	9.9	15.7	10.5	12	23.7	21.9	16.3	16.2	16.2	21.
IUSE239/92	89 - 90	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/92	89 - 90	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE249/92	89 - 90	250	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE254/92	89 - 90	255	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE284/92	89 - 90	285	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE299/92	89 - 90	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE324/92	89 - 90	325	18	2	-	-	16.7	18	32.4	32.4	24.4	24.3	18	-
IUSE329/92	89 - 90	330	18	2	-	-	16.7	18	32.4	32.4	24.4	24.3	18	-
IUSE355/92	89 - 90	356	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE359/92	89 - 90	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in the header. Capacities used.

Technical data sheet

SIMPSON

Strong-Tie

IUSE Face Fix I-Joist Hanger

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]									
	Width	Height	Header	Joist	R _{1,k}									
			Qty	Qty	C16 & I-Joist Header		C18	C24				SCL	LVL Header	
					N3.75x30	N3.75x75	N3.75x30	N3.75x30	CNA3,7x50	CNA4,0x40	CSA4.0x30	N3.75x30	N3.75x30	N3.75
IUSE389/92	89 - 90	390	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/92	89 - 90	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE405/92	89 - 90	406	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE294/93	89 - 90	295	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE194/96	2x47	195	10	2	7.5	13.1	-	-	19.8	18.3	13.6	-	13.5	17.
IUSE219/96	2x47	220	12	2	9.9	15.7	-	-	23.7	21.9	16.3	-	16.2	21.
IUSE234/96	2x47	235	12	2	9.9	15.7	-	-	23.7	21.9	16.3	-	16.2	21.
IUSE244/96	2x47	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/96	2x47	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE254/98	95-97	255	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE269/98	95-97	270	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE294/98	95-97	295	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE319/98	95-97	320	18	2	-	-	16.7	18	32.4	32.4	24.4	24.3	18	-
IUSE359/98	95-97	360	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/98	95-97	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE194/100	97	195	10	2	7.5	13.1	-	-	19.8	18.3	13.6	-	13.5	17.
IUSE219/100	97	220	12	2	9.9	15.7	-	-	23.7	21.9	16.3	-	16.2	21.
IUSE234/100	97	235	12	2	9.9	15.7	-	-	23.7	21.9	16.3	-	16.2	21.
IUSE239/100	96	240	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE244/100	97	245	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE249/100	97	250	14	2	12.5	18.3	13	14	27.7	25.6	19	18.9	18.9	24.
IUSE299/100	96-97	300	16	2	14.4	20.9	14.8	16	31.6	29.2	21.7	21.6	21.6	28.
IUSE349/100	97	350	20	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32
IUSE399/100	97	400	22	2	16.2	23.5	16.7	18	32.4	32.4	24.4	24.3	24.3	32

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

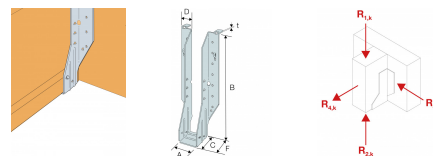
* Refer to Characteristic Capacity table columns for type of fasteners that can be used in the header. Capacities used.

Technical data sheet

IUSE Face Fix I-Joist Hanger

SIMPSON

Strong-Tie



Product Capacities - Partial Nailing

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]		
	Width	Height	Header	Joist	R _{1,k}		
			Qty	Qty	C18	C24	SCL
					N3.75x30	N3.75x30	N3.75x30
IUSE194/41	38	195	-	-	-	-	-
IUSE199/41	38	200	-	-	-	-	-
IUSE219/41	38	220	-	-	-	-	-
IUSE224/41	38	225	-	-	-	-	-
IUSE234/41	38	235	-	-	-	-	-
IUSE239/41	38	240	-	-	-	-	-
IUSE244/41	38	245	-	-	-	-	-
IUSE299/41	38	300	-	-	-	-	-
IUSE349/41	38	350	-	-	-	-	-
IUSE194/48	45	195	-	-	-	-	-
IUSE199/48	45	200	6	-	4.7	5.7	8.1
IUSE219/48	45	220	6	-	4.7	5.7	8.1
IUSE225/48	45	225	-	-	-	-	-
IUSE234/48	45	235	-	-	-	-	-
IUSE239/48	45	240	8	-	7.4	8	10.8
IUSE244/48	45	245	-	-	-	-	-
IUSE299/48	45	300	8	-	7.4	8	10.8
IUSE349/48	45	350	-	-	-	-	-
IUSE355/48	45	356	-	-	-	-	-
IUSE359/48	45	360	10	-	9.3	10	13.5
IUSE399/48	45	400	12	-	11.1	12	16.2
IUSE144/50	47	145	-	-	-	-	-
IUSE194/50	47	195	-	-	-	-	-
IUSE199/50	47	200	-	-	-	-	-
IUSE219/50	47	220	-	-	-	-	-
IUSE234/50	47	235	-	-	-	-	-
IUSE239/50	47	240	8	-	7.4	8	10.8
IUSE244/50	47	245	-	-	-	-	-
IUSE299/50	47	300	8	-	7.4	8	10.8
IUSE349/50	47	350	-	-	-	-	-
IUSE399/50	47	400	-	-	-	-	-
IUSE219/54	51	200	-	-	-	-	-
IUSE239/54	51	240	-	-	-	-	-
IUSE299/54	51	300	-	-	-	-	-
IUSE355/54	51	356	-	-	-	-	-
IUSE239/56	53	240	8	-	7.4	8	10.8
IUSE299/56	53	300	8	-	7.4	8	10.8
IUSE179/61	58-60	180	4	-	3.1	3.8	5.4
IUSE199/61	58-60	200	6	-	4.7	5.7	8.1

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

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

Technical data sheet

SIMPSON

Strong-Tie

IUSE

Face Fix I-Joist Hanger

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]		
	Width	Height	Header	Joist	R _{1,k}		
			Qty	Qty	C18	C24	SCL
					N3.75x30	N3.75x30	N3.75x30
IUSE219/61	58-60	220	6	-	4.7	5.7	8.1
IUSE239/61	58-60	240	8	-	7.4	8	10.8
IUSE249/61	58-60	249	8	-	7.4	8	10.8
IUSE299/61	58-60	300	8	-	7.4	8	10.8
IUSE355/61	58-60	356	-	-	-	-	-
IUSE359/61	58-60	360	10	-	9.3	10	13.5
IUSE399/61	58-60	400	12	-	11.1	12	16.2
IUSE405/61	58-60	406	-	-	-	-	-
IUSE199/63	60	200	6	-	4.7	5.7	8.1
IUSE219/63	60	220	-	-	-	-	-
IUSE239/63	60	240	-	-	-	-	-
IUSE299/63	60	300	-	-	-	-	-
IUSE359/63	60	360	-	-	-	-	-
IUSE399/63	60	400	-	-	-	-	-
IUSE194/66	63	195	-	-	-	-	-
IUSE219/66	63	220	6	-	4.7	5.7	8.1
IUSE224/66	63	225	-	-	-	-	-
IUSE234/66	63	235	-	-	-	-	-
IUSE237/66	63	238	6	-	4.7	5.7	8.1
IUSE239/66	63	240	8	-	7.4	8	10.8
IUSE244/66	63	245	-	-	-	-	-
IUSE299/66	63	300	8	-	7.4	8	10.8
IUSE329/66	63	330	10	-	9.3	10	13.5
IUSE355/66	63	356	10	-	9.3	10	13.5
IUSE359/66	63	360	10	-	9.3	10	13.5
IUSE399/66	63	400	12	-	11.1	12	16.2
IUSE405/66	63	406	12	-	11.1	12	16.2
IUSE199/73	70	200	-	-	-	-	-
IUSE219/73	70	220	6	-	4.7	5.7	8.1
IUSE224/73	70	225	6	-	4.7	5.7	8.1
IUSE239/73	69-70	240	8	-	7.4	8	10.8
IUSE254/73	70	255	8	-	7.4	8	10.8
IUSE284/73	70	285	8	-	7.4	8	10.8
IUSE294/73	70	295	8	-	7.4	8	10.8
IUSE299/73	69-70	300	8	-	7.4	8	10.8
IUSE324/73	70	325	10	-	9.3	10	13.5
IUSE349/73	70	350	10	-	9.3	10	13.5
IUSE359/73	70	360	10	-	9.3	10	13.5
IUSE389/73	70	390	12	-	11.1	12	16.2
IUSE399/73	70	400	12	-	11.1	12	16.2
IUSE194/75	72	195	-	-	-	-	-
IUSE219/75	72	220	-	-	-	-	-
IUSE234/75	72	235	-	-	-	-	-
IUSE244/75	72	245	-	-	-	-	-

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

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

Technical data sheet

SIMPSON

Strong-Tie

IUSE

Face Fix I-Joist Hanger

References	Joist Size [mm]		Number of Fasteners		Characteristic Capacities [kN]		
	Width	Height	Header	Joist	R _{1,k}		
			Qty	Qty	C18	C24	SCL
					N3.75x30	N3.75x30	N3.75x30
IUSE299/75	72	300	-	-	-	-	-
IUSE349/75	72	350	-	-	-	-	-
IUSE399/75	72	400	-	-	-	-	-
IUSE194/92	89 - 90	195	-	-	-	-	-
IUSE199/92	89 - 90	200	6	-	4.7	5.7	8.1
IUSE219/92	89 - 90	220	6	-	4.7	5.7	8.1
IUSE224/92	89 - 90	225	6	-	4.7	5.7	8.1
IUSE234/92	89 - 90	235	-	-	-	-	-
IUSE237/92	89 - 90	238	6	-	4.7	5.7	8.1
IUSE239/92	89 - 90	240	8	-	7.4	8	10.8
IUSE244/92	89 - 90	245	-	-	-	-	-
IUSE249/92	89 - 90	250	8	-	7.4	8	10.8
IUSE254/92	89 - 90	255	8	-	7.4	8	10.8
IUSE284/92	89 - 90	285	8	-	7.4	8	10.8
IUSE299/92	89 - 90	300	8	-	7.4	8	10.8
IUSE324/92	89 - 90	325	10	-	9.3	10	13.5
IUSE329/92	89 - 90	330	10	-	9.3	10	13.5
IUSE355/92	89 - 90	356	10	-	9.3	10	13.5
IUSE359/92	89 - 90	360	10	-	9.3	10	13.5
IUSE389/92	89 - 90	390	12	-	11.1	12	16.2
IUSE399/92	89 - 90	400	12	-	11.1	12	16.2
IUSE405/92	89 - 90	406	12	-	11.1	12	16.2
IUSE294/93	89 - 90	295	8	-	7.4	8	10.8
IUSE194/96	2x47	195	-	-	-	-	-
IUSE219/96	2x47	220	-	-	-	-	-
IUSE234/96	2x47	235	-	-	-	-	-
IUSE244/96	2x47	245	-	-	-	-	-
IUSE299/96	2x47	300	-	-	-	-	-
IUSE254/98	95-97	255	8	-	7.4	8	10.8
IUSE269/98	95-97	270	8	-	7.4	8	10.8
IUSE294/98	95-97	295	8	-	7.4	8	10.8
IUSE319/98	95-97	320	10	-	9.3	10	13.5
IUSE359/98	95-97	360	12	-	11.1	12	13.5
IUSE399/98	95-97	400	12	-	11.1	12	16.2
IUSE194/100	97	195	-	-	-	-	-
IUSE219/100	97	220	-	-	-	-	-
IUSE234/100	97	235	-	-	-	-	-
IUSE239/100	96	240	8	-	7.4	8	10.8
IUSE244/100	97	245	-	-	-	-	-
IUSE249/100	97	250	8	-	7.4	8	10.8
IUSE299/100	96-97	300	8	-	7.4	8	10.8
IUSE349/100	97	350	10	-	9.3	10	13.5
IUSE399/100	97	400	-	-	-	-	-

In case of uplift load bearing, insert two N3.75x30mm nails at 45° into the bottom chord.

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in the header.

Capacities vary depending on fastener type used.

Technical data sheet

SIMPSON**Strong-Tie®**

IUSE Face Fix I-Joist Hanger

Product Capacities - Uplift

References	Number of Fasteners		Characteristic Capacities [kN]		
	Joist		$R_{2,k}$		
	Qty	Type	C18	C24	SCL
IUSE	n	N3.75x30	$n * 1,86$	$n * 2,0$	$n * 2,7$

Fasteners should be inserted in bottom holes (without backer blocks needed) and triangular holes (with backers block needed).

Number of fasteners n : n should be an even number (2, 4 , 6 or 8). There are 8 fasteners as a maximum.

IUSE Face Fix I-Joist Hanger

Installation

Fixing

- Square twist nails: N3.75X30

Installation

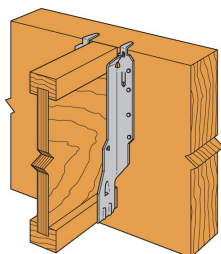
Enhanced Uplift Loads

The IUSE has optional triangular nail holes for additional uplift.

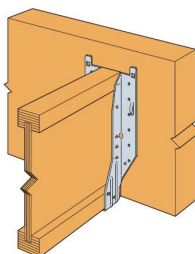
Properly attached web stiffeners will be required for enhanced uplift. Please contact I-joist manufacturer for details.

Installation

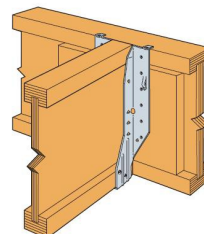
- Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- When fitting onto an I-joist header, backer blocks are required. See I-joist manufacturer for details.
- Top tabs can be flattened against the header when it is taller than the hanger.
- Speed prongs used to temporarily position and secure the hanger for easier and faster installation.
- “Strong Grip™” used to secure the I-joist without the need for fasteners - where no uplift performance is required.



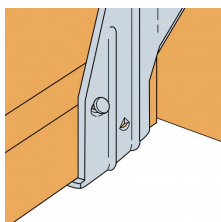
Top fix to solid joist.



Face fix to solid joist.



Top fix to I-joist with backer blocks for enhanced performance.



Strong-Grip helps secure the I-joist where no uplift is required.

IUSE
Face Fix I-Joist Hanger

