

IUSE — Face Fix I-Joist Hanger

Material: Carbon Steel 1.2mm thick

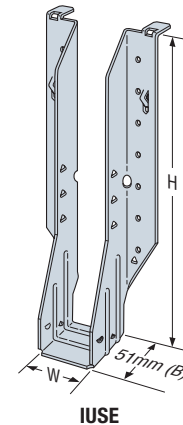
Finish: Z275 Galvanised



Size: See illustration on the right and table below

Features & Benefits

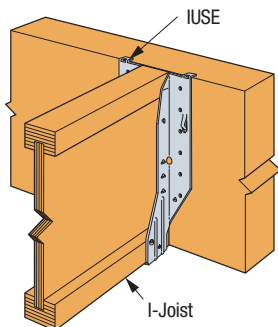
- This hanger incorporates the Strong-Grip™ seat which secures the I-joist without the need for any fasteners
- Positive angle nailing (PAN) minimises splitting of the joist flanges
- Engineered swages for extra strength and to minimise deflections
- Top flanges make installation easier and quicker
- Speed Prongs help to temporarily position and secure the connector for easier and faster installation
- Available with a wide range of I-Joist sizes



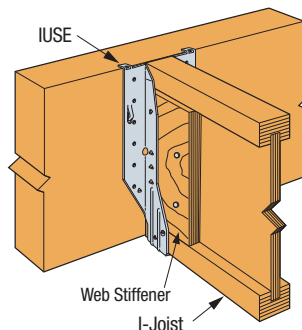
Installation

- Use all specified fasteners
- Position I-joist into hanger and snap into place. No joist nailing required. Some models have triangle and round header nail holes. To achieve Max. download, fill both round and triangle holes
- Locator tabs are not structural. They may be bent back to adjust for hanger placement
- I-joists with web stiffeners or rectangular sections can be used with the installation of 2 – 38 x 3.75mm nails into the optional triangle joist nails

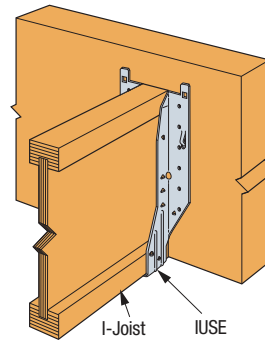
Construction Details



IUSE Face Fix I-Joist Installation



IUSE Face Fix I-Joist Installation with Web Stiffeners



IUSE Face Fix I-Joist Installation

IUSE Technical Data

Model No.	Joist Size (mm)		Dimensions (mm)			Fasteners (No. – Length x Dia.,mm)		Design Capacity (kN)	
	Width	Height	H	W	B	Face ³	Joist	Download	
								Floor (k _f = 0.8)	Roof (k _r = 0.8)
IUSE199/48	45	200	199	48	51	10 – 38 x 3.75	2 – 38 x 3.75	4.37	4.37
IUSE239/54	51	240	239	54	51	14 – 38 x 3.75	2 – 38 x 3.75	5.29	5.29
IUSE299/54		300	299	54	51	16 – 38 x 3.75	2 – 38 x 3.75	5.29	5.29
IUSE239/66	63	240	239	66	51	14 – 38 x 3.75	2 – 38 x 3.75	4.91	4.91
IUSE244/66		245	244	66	51	14 – 38 x 3.75	2 – 38 x 3.75	5.83	5.83
IUSE299/66		300	299	66	51	16 – 38 x 3.75	2 – 38 x 3.75	5.29	5.29
IUSE239/73	70	240	239	73	51	14 – 38 x 3.75	2 – 38 x 3.75	5.83	5.83
IUSE299/73		300	299	73	51	16 – 38 x 3.75	2 – 38 x 3.75	5.29	5.29
IUSE199/92		200	199	92	51	10 – 38 x 3.75	2 – 38 x 3.75	4.29	4.29
IUSE239/92	90	240	239	92	51	14 – 38 x 3.75	2 – 38 x 3.75	5.98	5.98
IUSE299/92		300	299	92	51	16 – 38 x 3.75	2 – 38 x 3.75	5.29	5.29
IUSE359/92		360	359	92	51	20 – 38 x 3.75	2 – 38 x 3.75	6.86	6.86
IUSE399/92		400	399	92	51	22 – 38 x 3.75	2 – 38 x 3.75	6.86	6.86

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the NZ Strength Reduction Factor (ϕ), and applicable the k modification factors following NZS 3603 and (2) the Serviceability Capacity which is the load at 3.2mm joint slip. Design Capacity is the minimum of test data and structural joint calculation.
2. The Strength Reduction Factor (ϕ) is 0.80 for nails in lateral loading.
3. Duration of Load Factor (k_t) is as shown. Reduce Duration of Load Factor where applicable. Capacities may not be increased.
4. Timber species for joint design is seasoned Radiata Pine, which is New Zealand Joint Group J5 per NZS 3603 Table 4.1.
5. The Design Capacities may be multiplied by 1.3 when 75mm x 3.75mm face nails are used.
6. The Design Uplift Capacity is 0.52kN for New Zealand when two joist nails are installed.