

BA — Top Fix I-Joist Hanger

Material: Carbon Steel 2mm thick

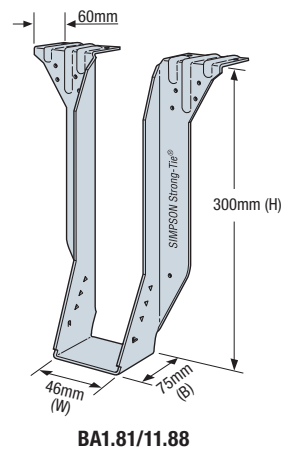
Finish: Z275 Galvanised

Corrosion Resistance Level
LOW

Size: See illustration on the right and table below

Features & Benefits

- Manufactured in heavier gauge steel for a stronger connection
- Suitable for heavy duty applications
- Compatible with I-Joist size 45mm x 300mm
- Engineered swages for extra strength and to minimise deflections
- Galvanised finish provides corrosion resistance
- Top fixing makes installation quicker and simpler
- Top fixing gives an additional holding strength to the hanger
- Top fixing and positive angle nailing (PAN) minimises splitting of the joist flanges

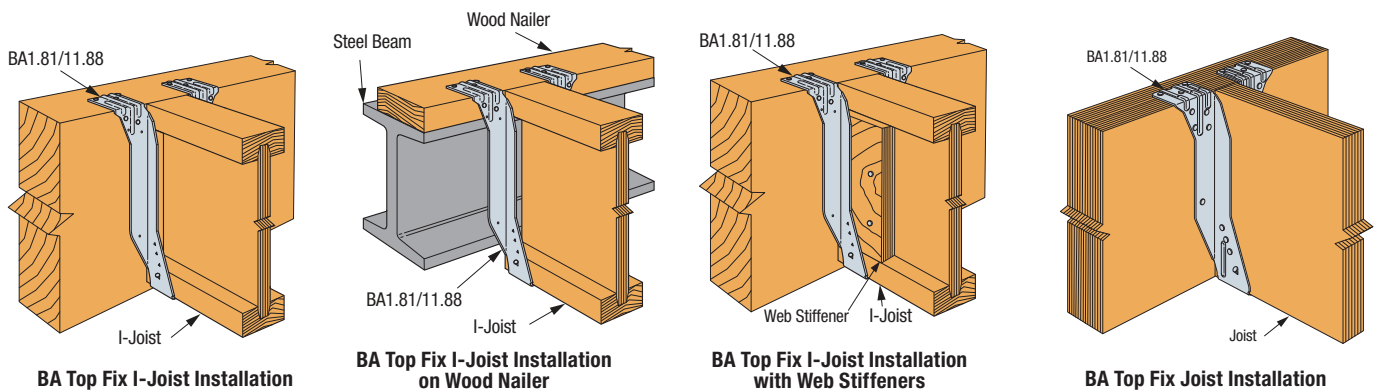


BA1.81/11.88

Installation

- Use all specified fasteners
- BA min. nailing does not require web stiffeners
BA max. nailing requires the use of web stiffeners
- Ledgers must be evaluated for each application separately
Check Top Flange dimension, nail length and nail location on ledger

Construction Details



BA Technical Data

Model No.	Joist Size (mm)		Dimensions (mm)			Fasteners (No. — Length x Dia., mm)		Design Capacity (kN)	
	Width	Height	H	W	B	Face ⁵	Joist	Uplift (k _t = 1.0)	Down (k _t = 0.8)
BA1.81/11.88	45	300	300	46	75	10 – 38 x 3.75	2 – 38 x 3.75	0.94	5.99

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 Capacity Factor (ϕ) is 0.8 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern.
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.