SDE — Split Face Mount Joist Hanger

The SDE is a two-piece, width-adjustable joist hanger that can accommodate joist widths from 60mm to 120mm. Each SDE is comprised of one left and one right piece. It is essential to install nails in the base of the joist hanger to ensure a solid assembly.

Material

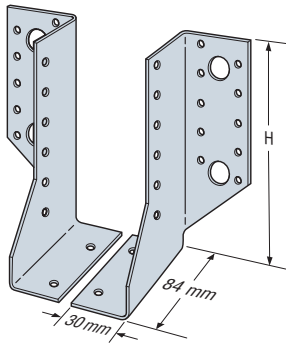
Carbon Steel 2mm thick

Finish

Z275 Galvanised

Installation

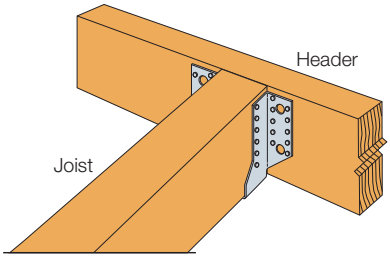
- Use all specified fasteners - Compatible with N10 38mm x 3.75mm Connector Nails or SD#10 x 38mm Connector Screws.
- Verify that the header can take the fasteners specified in the table.
- Each SDE piece must also be nailed through the holes underneath the joist.



SDE

Note:

- The timber bolted capacity to be determined according to the relevant standards. Do not exceed the load values given in the table.
- The hanger depth is to be at least 60% of the carried member depth to prevent rotation, unless additional lateral restraint is added to the top of the carried member.
- These hangers cannot be skewed.



Typical SDE installation

Technical Data

Model No.	Joist Size (mm)		Dimensions (mm)			Fasteners (No. – Length x Dia., mm)		Country	Design Capacity (kN)		
	Width	Height	W	H	B	Face	Joist		Uplift	Download	
										Floor	Roof
SDE340/30	60–120	140 – 190	30	138	84	22 – N10 or SD10	16 – N10 or SD10	AU	k_1 = 1.14	k_1 = 0.69	k_1 = 0.77
									11.48	7.82	7.82
								NZ	k_1 = 1.0	k_1 = 0.80	k_1 = 0.80
									10.80	7.36	7.36
SDE380/30		160 – 240	30	158	84	22 – N10 or SD10	16 – N10 or SD10	AU	k_1 = 1.14	k_1 = 0.69	k_1 = 0.77
									11.48	7.82	7.82
								NZ	k_1 = 1.0	k_1 = 0.80	k_1 = 0.80
									10.80	7.36	7.36
SDE440/30		190 – 290	30	188	84	28 – N10 or SD10	20 – N10 or SD10	AU	k_1 = 1.14	k_1 = 0.69	k_1 = 0.77
									17.89	10.50	10.50
								NZ	k_1 = 1.0	k_1 = 0.80	k_1 = 0.80
									13.95	9.89	9.89

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the Australian Capacity Factor, or the NZ Strength Reduction Factor (ϕ), and applicable the k modification factors following AS 1720.1 and 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. For Australia, the Capacity Factor (ϕ) is 0.85 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern. For NZ, the Strength Reduction Factor (ϕ) is 0.80 for nails in lateral loading.
3. Duration of Load Factor (k_1) 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 Australia Joint Group JD4 per AS 1720.1 Table H2.4 and New Zealand Joint Group J5 per NZS 3603 Table 4.1.

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