

JB/LB/B/BA/HHB Joist, Beam, and Purlin Hangers

The BA hanger is a cost effective hanger featuring min/max joist nailing option. Min Nailing featuring Positive Angle Nailing targets moderate load conditions where as the Max Nailing generates capacities for higher loads. The unique two level embossment provides added stiffness to the top flange.

The newly improved B hanger offers wide versatility with enhanced load capacities.

See tables. See [Hanger Options](#) for hanger modifications, which may result in reduced loads.

Material: See [tables](#).

Finish: BA, JB, LB, and B - Galvanized; HHB - all saddle hangers and all welded sloped and special hangers - Simpson gray paint.

Installation:

- Use specified fasteners. See [General Notes](#) and [nailer table](#).
- LB, BA, B and HHB may be welded to steel headers with weld size to match material thickness (approximate thickness shown). The minimum required weld to the top flanges is 1/8" x 2" (1/8" x 1 1/2" for LB) fillet weld to each side of each top flange tab for 14 and 12 gauge and 3/16" x 2" fillet weld to each side of each top flange tab for 7 gauge. Distribute the weld equally on both top flanges. Welding cancels the top and face nailing requirements. Consult the code for special considerations when welding galvanized steel. The area should be well-ventilated (see [welding information](#)). Weld on applications produce the maximum allowable down load listed. Uplift loads do not apply to welded applications.
- Ledgers must be evaluated for each application separately. Check TF dimension, nail length and nail location on ledger.

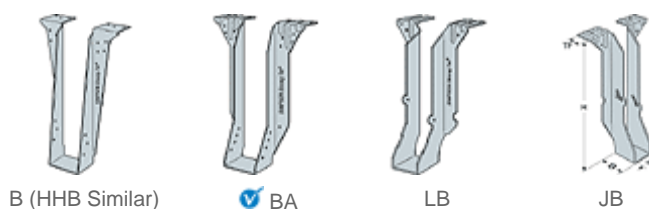
Options:

- **B and HHB**
- Other widths are available; specify W dimension (the minimum W dimension is 1 9/16" for B and 3 1/4" for HHB).
- B dimensions may be increased on some models.
- See [Hanger Options](#). BA, JB and LB hangers cannot be modified. Use LBV as an alternative for the JB/LB.

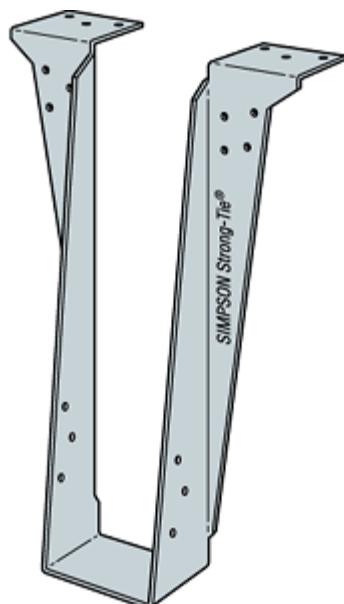
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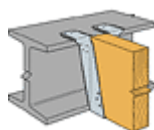
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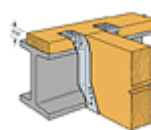
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Patent Pending



LB, BA, B and HHB are acceptable for weld-on applications. See [Installation Information](#)



Typical BA Installation on Wood Nailer.



Typical BD Saddle Installation

Nailer Table:

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This table also applies to sloped-seat hangers.

Model No.	Nailer	Header Nails	Allowable Loads		
			Uplift ² (133/160)	DF/SP	SPF
LB26	2x	4-10dx1½	—	850	—
LB28	2x	4-10dx1½	—	915	—
LB210	2x	4-10dx1½	—	915	—
LB212	2x	4-10dx1½	—	915	—
LB214	2x	4-10dx1½	—	915	—
LB216	2x	4-10dx1½	—	1150	—
BA	2x	10-10dx1½	355	2220	1755
	2-2x	14-10d	970	2695	2235
	3x	14-16dx2½	710	3230	—
	4x	14-16d	1055	3300 ¹	—
B	2-2x	14-10d	970	3615	2770
	3x	14-16dx2½	710	3725	—
	4x	14-16d	1010	3800	—

1. Based on an additional 1/32" beyond the normal 1/8" deflection limit.
2. Uplift values are for DF/SP members only.
3. Refer to [proper nailer installation](#).

B Series With Various Header Applications:

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Model Series	Fasteners			Allowable Loads Header Type						Code Ref.
	Top	Face	Joist	Uplift (133)	Uplift (160)	LVL	PSL	DF/SP	SPF	
BA Min.	6-10dx1½	4-10dx1½	2-10dx1½	—	—	—	—	—	—	160
	6-10d	10-10d	2-10dx1½	265	315	3230	3630	3080	2425	
	6-16d	10-16d	2-10dx1½	265	315	4015	3705	3435	2665	
BA Max.	6-10d	10-10d	8-10dx1½	1055	1170	3555	3630	3625	2465	26, 83, 144
	6-16d	10-16d	8-10dx1½	1055	1170	4715	4320	3800	2665	
B	6-10d	8-10d	6-10dx1½	825	990	3575	3195	3625	2190	
	6-16d	8-16d	6-16dx1½	1010	1010	4135	3355	3800	2650	

1. Uplift loads are based on DF/SP lumber and have been increased 33% and 60% for wind or earthquake loading with no further increase allowed. Divide (133) Load by 1.33 for normal loading such as cantilever construction. For SPF use 0.86 x DF/SP uplift load.
2. Loads may not be increased for short-term loading.
3. Code values are based on DF/SP header species.
4. NAILS: 16d = 0.162" dia. x 3 1/2" long, 10d = 0.148" dia. x 3" long, 10dx1 1/2 = 0.148" dia. x 1 1/2" long.
See [other nail sizes](#).

Code Reports (PDFs): See table above, if available, for specific product code references

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Code Ref. 160: Submitted for listing

Please [contact us](#) for status and test data.

ICC NER Reports (formerly NES Reports) [about the ICC](#)

Code Ref. 2: [NER393](#) (358k)

ETA/TSS, MAB, HIT, JB/LB, PF, LU, LUP, LTT/LTTI, H1/H2/H2.5/H3/H4/H5, AB, EPB, LCB/CB, PA/PAI/PAT/PATM/PAR/PAHP, MPAI, HPA, HPAT28/35

ICC ER Reports (formerly ICBO Reports) [about the ICC](#)

Code Ref. 40: [ER5708](#) (2.9mb)

MAB, HIT, JB/LB, PF, LU, LUP, HD, HDA, LTT/LTTI/MTT/HTT, H1/H2/H2.5/H2.5A/H3/H4/H5, AB, EPB, LCB/CB, PA/PAI/PAT/PATM/PAR/PAHD42, HPA/HPAHD22

City of Los Angeles Research Reports

Code Ref. 82: [RR24818](#) (582k)

HIT, JB/LB, LUP, LTT, LTTI, HI/H2/H2.5/H3/H4/H5, AB, EPB

Florida Statewide Product Approvals

Code Ref. 121: [FL474](#)

[View the products covered in FL474](#)

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