SIMPSON Strong-Tie™

TOP FLANGE HANGERS JB/LB/BA/B/HHB

JOIST, BEAM AND PURLIN HANGERS

The ***NEW*** 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 on pages 67 to 69. See Hanger Options on pages 164 for hanger modifications, which may result in reduced loads.

MATERIAL: See tables, pages 67 to 69.

FINISH: JB, LB and B—Galvanized; HHB–all saddle hangers and all welded sloped and special hangers—Simpson gray paint.

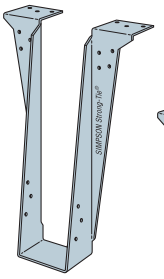
INSTALLATION: • Use specified fasteners. See General Notes and nailer table.

- 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 ⅛" x 2" (⅛" x 1½" 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 page 11 for welding information). Weld on applications produce the maximum allowable 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.

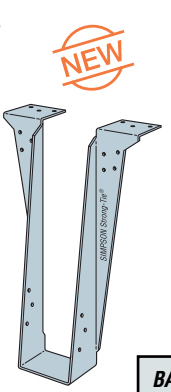
OPTIONS: • ***B and HHB***

- Other widths are available; specify W dimension (the minimum W dimension is 1 13⁄16").
- B dimensions may be increased on some models.
- See Hanger Options, page 164.

CODES: See page 10 for Code Listing Key Chart.

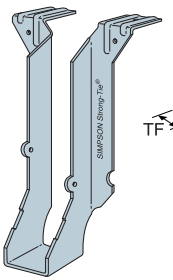


B

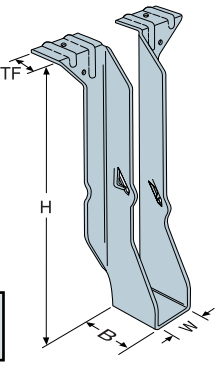


BA

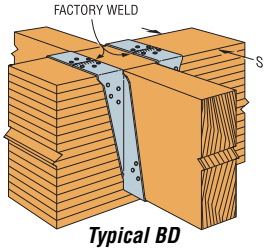
BA will be available Spring 2005



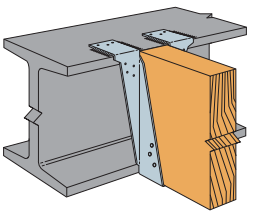
LB



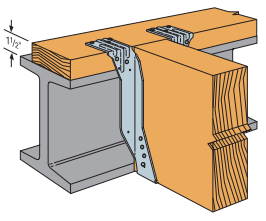
JB



Typical BD Saddle Installation



LB, BA, B and HHB are acceptable for weld-on applications. See Instructions to the Installer, page 11, note f.



Typical BA Installation on Wood Nailer

NAILER TABLE

This table also applies to sloped-seat hangers.

Model No.	Nailer	Header Nails	Allowable Down Loads	
			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	2220	1755
	2-2x	14-10d	2695	2235
	3x	14-16dx2½	3230	—
	4x	14-16d	3300[1]	—
B	2-2x	14-10d	3615	2772
	3x	14-16dx2½	3725	—
	4x	14-16d	3800	—

1. Based on an additional 1⁄32" beyond the normal ⅛" deflection limit.

B SERIES WITH VARIOUS HEADER APPLICATIONS

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	2680	
BA Max.	6-10d	10-10d	8-10dx1½	1055	1170	3557	3630	3625	2465	
	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	6-16dx2½	1010	1010	4135	3355	3800	2650	

1. Uplift loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed. Reduce by 33% and 60% for normal loading such as in cantilever construction.
2. Loads may not be increased for short-term loading.
3. Code values are based on DF/SP header species.