

# TOP FLANGE HANGERS JB/LB/B/HB/HHB

JOIST, BEAM AND  
PURLIN HANGERS

**SIMPSON**  
Strong-Tie

See tables on pages 60 to 62. See Hanger Options on pages 158 for hanger modifications, which may result in reduced loads.

**MATERIAL:** See tables, pages 60 to 62.

**FINISH:** JB, LB, B and HB—Galvanized; HHB—all saddle hangers and all welded sloped and special hangers—Simpson gray paint. B, HB and HHB may be ordered hot-dip galvanized; specify HDG.

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

- LB, B, HB 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  $\frac{1}{8}$ " x 2" ( $\frac{1}{8}$ " x 1½" for LB) fillet weld to each side of each top flange tab for 14 and 12 gauge and  $\frac{3}{16}$ " 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. 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, HB, and HHB

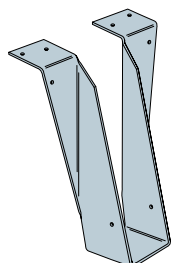
- Other widths are available; specify W dimension (the minimum W dimension is 1 $\frac{3}{16}$ ").
- Saddle hangers are made to order; add "D" to model (e.g. HHBD412); specify S (for saddle) dimension. They may be used for most conditions except at end wall locations, and are preferred for nailer applications.
- B dimensions may be increased on some models.
- See Hanger Options, page 158.

**CODES:** See page 10 for Code Listing Key Chart.

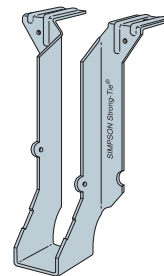
## NAILER TABLE

This table also applies to sloped-seat hangers.

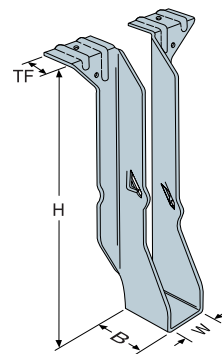
Model No.	Nailer	Header Nails	Allowable Down Loads	
			DF/SP	SPF
LB26	2x	4-10dx1½	850	—
LB28	2x	4-10dx1½	915	—
LB210	2x	4-10dx1½	915	—
LB212	2x	4-10dx1½	915	—
LB214	2x	4-10dx1½	915	—
LB216	2x	4-10dx1½	1150	—
B	2x	4-10dx1½	1150	—
	2-2x	4-10d	1400	—
	3x	4-16dx2½	1400	—
		6-16dx2½	2415	—
	4x	4-16d	1400	—
6-16d		2415	—	
HB	2-2x	8-10d	2495	—
	4x	8-16d	3610	—



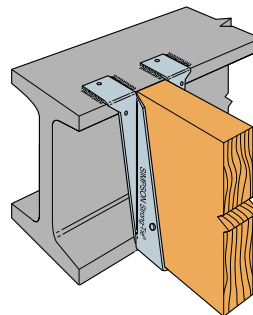
**B**  
(HB similar)



**LB**

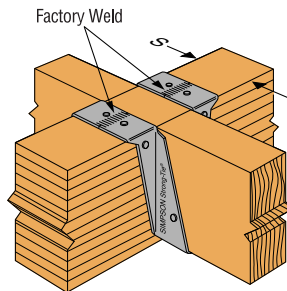


**JB**

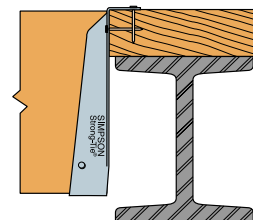


LB, B, HB and HHB are acceptable for weld-on applications.

See Instructions to the Installer, page 11, note f.



Typical BD  
Saddle Installation



Installation on Wood Nailer

## 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	
B	2-10dx1½	2-10dx1½	2-10dx1½	245	295	1500	1825	1150	1150	26, 83
	2-10d	2-10d	2-10dx1½	245	295	1835	1975	1400	1400	
	2-16d	2-16d	2-10dx1½	245	295	1835	2225	2415	1500	
HB	4-10d	4-10d	4-10d	615	615	3000	2820	3835	2050	170
	4-16d	4-16d	4-10d	615	615	3335	3100	3835	2785	26, 83

1. Uplift loads have been increased 33% and 60% for wind or earthquake 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.