

S/LBV / S/B and S/BA Hangers

S/BA is the new Simpson Strong-Tie® top-flange hanger for cold-formed steel. The S/BA is a cost-effective alternative to heavier, special-order hangers. It is value engineered and tested to achieve higher allowable loads and increased performance. It may be fastened with screws or powder-actuated fasteners or welded to the header, providing more design options and greater versatility.

S/LBV and S/B hangers are manufactured with precision forming and quality control, providing dimensional accuracy and helping to ensure proper bearing area and connection.

MATERIAL: S/LBV, S/BA – 68mil (14 ga); S/B – 97mil (12 ga)

FINISH: Galvanized

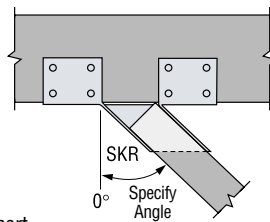
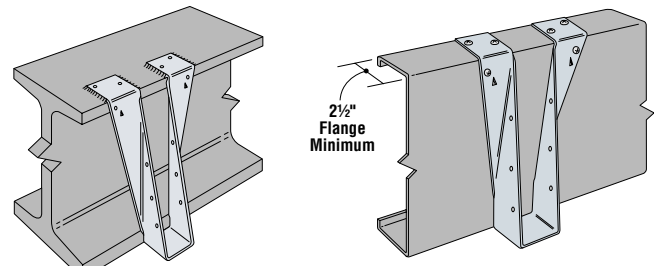
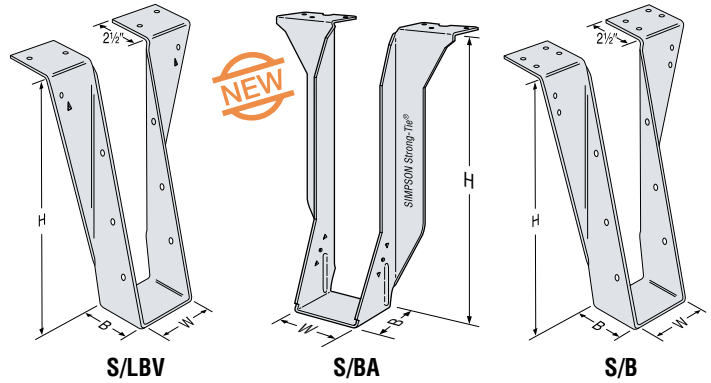
INSTALLATION:

- S/LBV, S/B, and S/BA may be used for weld-on applications; a minimum of 1/8" x 2" fillet weld on each top flange is required. Distribute the weld equally on both top flanges. Consult the code for special consideration when welding galvanized steel. Uplift loads do not apply.
- S/BA may be installed using powder-actuated fasteners. PDPAT-62KP (0.157 x 1/8") powder-actuated fastener shall be installed using the appropriate level of powder load so the entire pointed portion of the fastener penetrates through the steel. A powder-actuated fastener with a "tophat" crush sleeve is recommended in case the head of the fastener is not fully flush with the connector.
- Installation of powder-actuated fasteners may vary due to, but not limited to, the type of powder-actuated tool, cleanliness of tool, type of powder load and steel.

OPTIONS: Skew only:

- S/LBV and S/B series can be skewed to a maximum of 45 degrees.

CODES: See page 8 for Code Reference Key Chart



Top View S/B Hanger Skewed Right

S/LBV, S/B, and S/BA are acceptable for weld-on applications (S/LBV shown)

S/LBV Installation with a CFS steel header

Model	Dimensions			Fasteners			Allowable ASD Loads ⁵		Code Ref.
	W	H	B	Top	Face	Joist	Uplift	Down	
Cold-Formed Steel Header – Straight Hanger									
S/LBV	See Table	6 to 20	2 1/4	4 - #10	2 - #10	3 - #10	1010	3150	FC1
S/B		6 to 30	3	8 - #10	4 - #14	3 - #14	1855	5970	
S/BA		See Table	3	6 - #10	—	1 - #10	—	3475	160
Cold-Formed Steel Header – Skewed Hanger									
S/LBV	See Table	6 to 20	2 1/4	4 - #10	2 - #10	3 - #10	1010	2220	FC1
S/B		6 to 30	3	8 - #10	4 - #14	3 - #14	1855	4195	
Powder-Actuated Fastener or Welded to Steel Header – Straight Hanger									
S/LBV	See Table	6 to 20	2 1/4	4 - 1/8" x 2" fillet weld to each side of top flange	—	3 - #10	—	2965	FC1
S/B		6 to 30	3		—	3 - #14	—	5755	
S/BA		3	3		—	1 - #10	—	2920	
S/BA		See Table	3		6 - 0.157" x 5/8" PAT	—	1 - #10	—	2685 ⁴

- Designer shall ensure that the joist member adequately transfers load to hanger.
- Cold-formed steel / steel-beam header must be braced to prevent buckling per Designer specification.
- Powder-actuated fasteners may be installed in up to 3/8" steel headers having a minimum Fy=36,000 psi.
- Load is based on using the Simpson Strong-Tie® PDPAT-62KP powder-actuated fastener and a minimum Red (level 5) powder load.
- Tabulated loads are based on testing with full bearing of 2 1/2" flange-depth minimum with 68 mil (14 ga) CFS for S/LBV and S/BA hanger and 97 mil (12 ga) CFS for S/B hanger.

S/LBV Series Model No.	S/B Series Model No.	W
S/LBV1.56	S/B1.56	1 1/16
S/LBV1.81	S/B1.81	1 13/16
S/LBV2.06	S/B2.06	2 1/16
S/LBV2.37	S/B2.37	2 3/8
S/LBV2.56	S/B2.56	2 3/16
S/LBV2.68	S/B2.68	2 11/16
S/LBV3.12	S/B3.12	3 1/8
S/LBV3.56	S/B3.56	3 3/16
S/LBV3.62	S/B3.62	3 5/8
S/LBV4.06	S/B4.06	4 1/16
S/LBV4.12	S/B4.12	4 1/8
S/LBV4.28	S/B4.28	4 1/4
S/LBV4.75	S/B4.75	4 3/4
S/LBV5.50	S/B5.50	5 1/2

S/BA Series Model No.	W	H
S/BA2.12/8	2 1/8	8
S/BA2.12/10		10
S/BA2.12/12		12
S/BA2.12/14		14
S/BA4.18/8	4 3/16	8
S/BA4.18/10		10
S/BA4.18/12		12
S/BA4.18/14		14