

# Top-Flange Hangers GLS/HGLS/GLT/HGLT

## Beam and Glulam Hangers

See table on p. 178. See Hanger Options on pp. 121–123 for hanger modifications, which may result in reduced loads.

GLT and HGLT accommodate typical structural requirements for timber and glulam beams. GLT top-flange depth allows installation on minimum 4x ledger (3½" net). Not acceptable for nailer applications. Funnel Flanges® allow easy installation of beams.

GLS and HGLS are heavy glulam saddle hangers.

**Material:** All welded GL series glulam hangers have a 3-gauge top flange.

See p. 178 for stirrup gauge.

**Finish:** Simpson Strong-Tie® gray paint. Hot-dip galvanized available; specify HDG.

### Installation:

- Use all specified fasteners; see General Notes.

### GLT/HGLT:

- All GLTs used with sawn timbers have a 12" L dimension.
- N54A nails are included with the hangers.
- GLT may be attached to steel headers by ⅜" x 2½" fillet welds at each end of the header angle to obtain the tabulated loads. HGLT may be attached to steel headers by ¼" x 2½" fillet welds at each end of the header angle to obtain the lesser of the tabulated loads or 12,000 lb. For uplift loads refer to technical bulletin T-C-WELDUPFLT at [strongtie.com](http://strongtie.com). See p. 21, note m for weld information.
- Not for use with SCL or LVL headers. See GLTV, HGLTV.

### GLS/HGLS:

- Use Simpson Strong-Tie ¼" x 2½" SDS Heavy-Duty Connector screws when hangers are used with structural composite lumber.
- N54A nails are included with the hangers. Alternate fasteners may be permitted. See footnote 1 on p. 178.
- Loads listed are per stirrup.

### To Order:

- GLS/HGLS — Specify H<sub>1</sub>, H<sub>2</sub> and S dimensions (see illustration).
- Some engineered wood sizes are also available.

### Options:

- See Hanger Options General Notes on p. 121.
- Bevel-cut the carried beam for skewed hangers.

### Hanger Height

- For hangers exceeding the joist height by ½", allowable load is 50% of the table roof load.

### Sloped and/or Skewed Seat

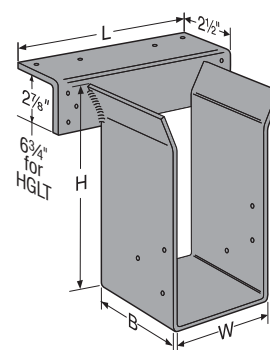
- GLT/GLTV/HGLT/HGLTV and GLS/HGLS series may be skewed to a maximum of 50° or sloped to a maximum of 45°.
- For skews greater than 15°, multiply the table uplift load by 0.50.
- For sloped only, the maximum allowable load is 6,500 lb. for the GLT/GLS/GLTV, 9,165 lb. for the HGLT/HGLS/HGLTV.
- For skewed only, the maximum allowable load for the GLT/GLS/GLTV is 6,550 lb.; for the HGLT/HGLS/HGLTV it is 7,980 lb. The deflection at full loading may reach ¼".
- Sloped and skewed GLT/GLS/GLTV configurations have a maximum allowable load of 5,500 lb. Sloped and skewed combinations are not allowed for the HGLT/HGLS/HGLTV.
- Sloped and/or skewed seat hangers may not be installed in non-backed nailer/header installations.

### Sloped Top Flange

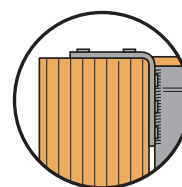
- A top flange may be sloped down left or down right to 30° with or without a sloped and/or skewed seat (see illustration). Reduce allowable table loads using straight-line interpolation of [(90-a)/90] x table load, where "a" is the sloped down angle.

### Offset Top Flange

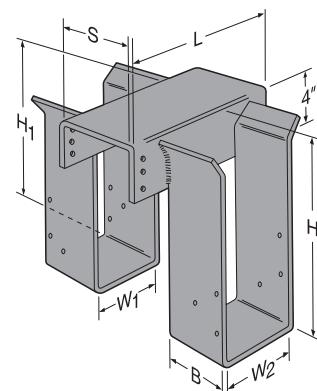
- The top flange may be offset left or right for placement at the end of a header. Minimum seat width 3¼". The maximum allowable load is 0.50 of the table load for the GLT/GLS/GLTV, and 0.45 for the HGLT/HGLS/HGLTV.
- For skewed and offset top-flange GLS/GLT/GLTV hangers, the maximum allowable load is 3,500 lb.
- For skewed and offset top-flange HGLS/HGLT/HGLTV hangers with inward or outward configuration, the maximum allowable load is the lesser of a) 45% of the catalog load or b) 4,300 lb.
- No uplift load.



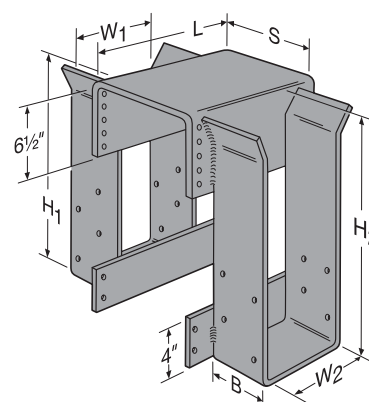
GLT  
(HGLT similar)  
(fasteners included)



Flatten edge of header to match top flange radius.



GLS

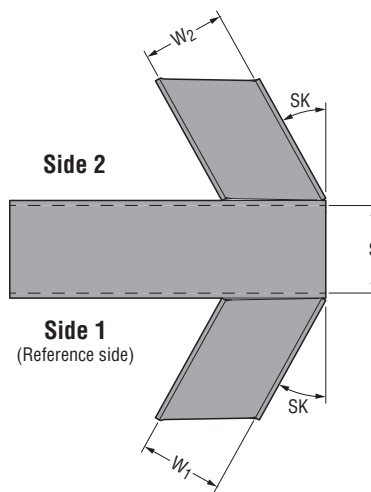


HGLS

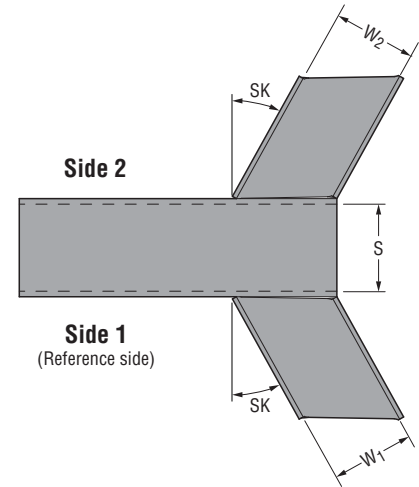
# Top-Flange Hangers GLS/HGLS/GLT/HGLT

## Beam and Glulam Hangers (cont.)

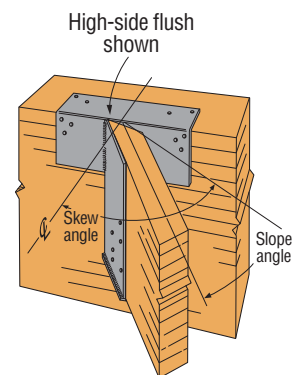
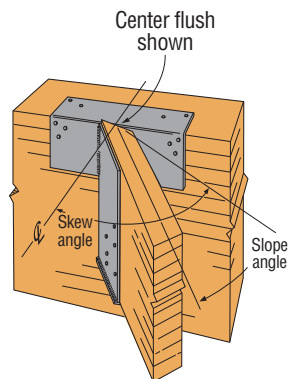
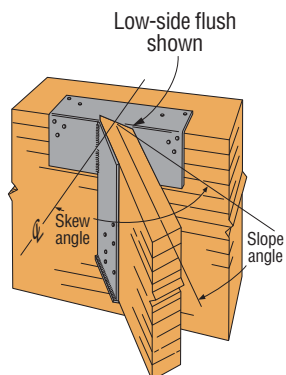
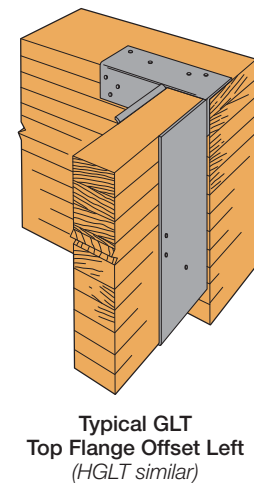
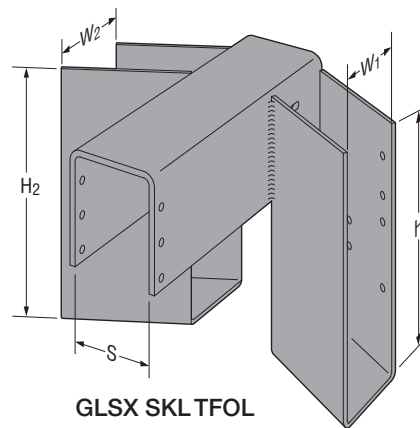
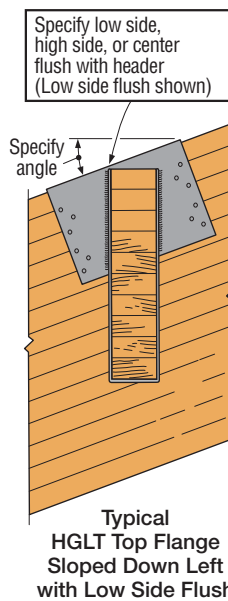
Model	Stirrup Width (W) (in.)	Top Flange Length (L) (in.)
GLT	3¼ – 5½	10
	5⅞ – 6⅞	12
HGLT	3¼ – 8¼	12
	8⅞	14
GLS	3¼ – 5⅞	9
	6⅞	12
HGLS	5¼ – 8⅞	12



GLS (Skewed Inward)  
Skewed Left, Offset Left  
(Top View)



HGLS (Skewed Outward)  
Skewed Right, Offset Left  
(Top View)



**Typical GLT Sloped Down, Skewed Right**  
When ordering, specify Low-Side Flush, Center Flush or High-Side Flush