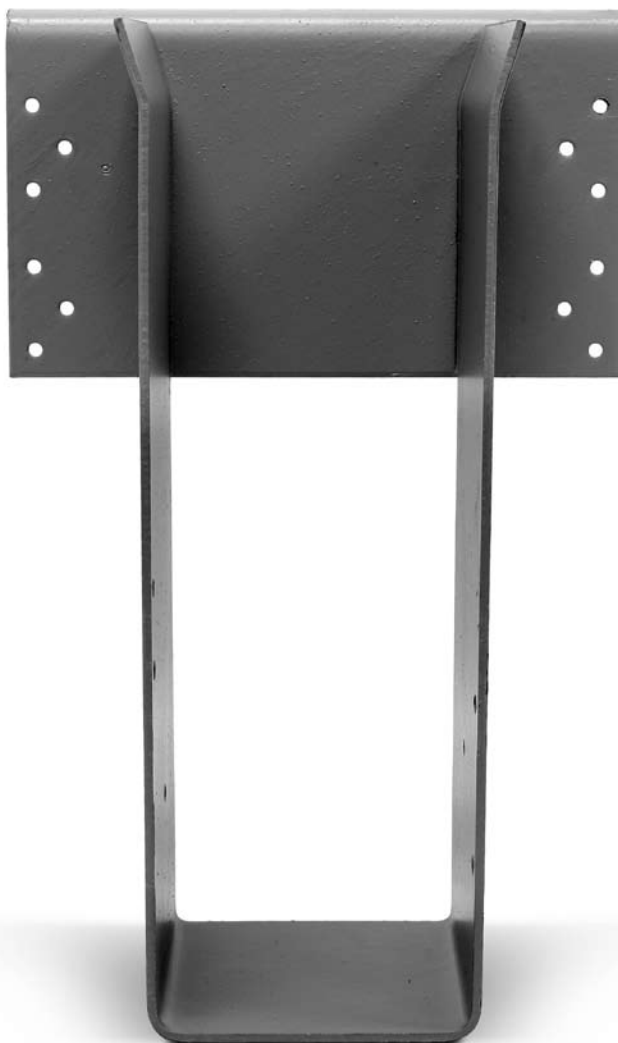
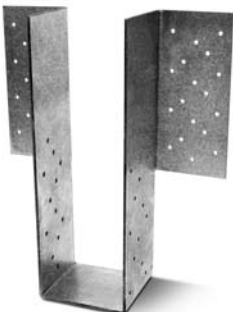
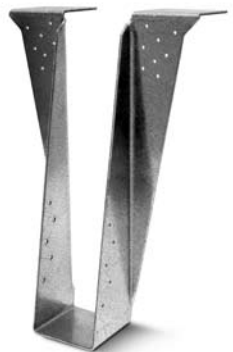


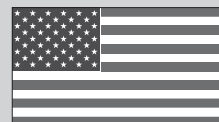
CONNECTOR SELECTION GUIDE



FOR USE WITH PRODUCTS
MANUFACTURED BY:



This guide lists popular options for Simpson Strong-Tie hangers used with engineered wood products. Not all available hanger and installation combinations are listed. Use in conjunction with the current Simpson Strong-Tie *Wood Construction Connectors* catalog for detailed hanger information.



**ALLOWABLE
STRESS DESIGN**

DISTRIBUTED BY:

**800-999-5099
www.strongtie.com**

CSG-XBEAM 10/10
exp. 1/13

CONNECTOR SELECTOR NOTES



General Notes

1. See current *Wood Construction Connectors* catalog for Important Information and General Notes section and for hanger models, joist sizes, and header situations not shown.
2. Unless otherwise noted, downloads listed address hanger/header/fastener limitations assuming header material is Douglas Fir-Larch or Southern Pine. Loads are in pounds. Beam reaction should be checked by a qualified designer to ensure proper hanger selection.
3. Uplift loads have been increased by 60% for earthquake and wind loading with no further increase allowed. Reduce loads according to code for normal duration loading such as cantilever construction.
4. Top flange hanger configuration and thickness of top flange need to be considered for flush frame conditions.
5. Supporting members must be at least 3½" thick.
6. All nails shown are common nails unless otherwise noted.
7. See current *Wood Construction Connectors* catalog for additional hanger options.

3½" ROSBORO X-BEAM - U.S./Allowable Load (lbs.)

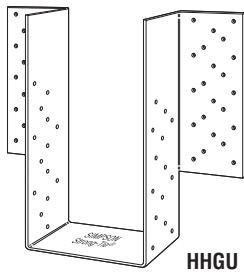
Beam Height	Face Mount						Top Flange					
	Model	B Dim	Header Nails	Beam Nails	Uplift (160)	Down Load	Model¹	B Dim	Header Nails	Beam Nails	Uplift (160)	Down Load
Beam Width = 3½"												
6	HHUS46	3	14-16d	6-16d	1550	2785	B3.56X (H1=6)	2½	14-16d	6-16d	1010	3800
	HGUS46	4	20-16d	8-16d	2155	4360						
7½	HHUS48	3	22-16d	8-16d	2000	4210	B3.56X (H1=7.5)	2½	14-16d	6-16d	1010	3800
	HGUS48	4	36-16d	12-16d	3235	7460						
9	HHUS48	3	22-16d	8-16d	2000	4210	B3.56X (H1=9)	2½	14-16d	6-16d	1010	3800
	HGUS48	4	36-16d	12-16d	3235	7460	HB3.56X (H1=9)	3½	22-16d	10-16d	2610	5650
9½	HHUS48	3	22-16d	8-16d	2000	4210	HB3.56/9.5	3½	22-16d	10-16d	2610	5650
	HGUS48	4	36-16d	12-16d	3235	7460	HWU3.56/9.5	3¼	8-16d	6-N10	810	6600
10½	HHUS410	3	30-16d	10-16d	3735	5635	HB3.56X (H1=10.5)	3½	22-16d	10-16d	2610	5650
	HGUS410	4	46-16d	16-16d	4095	9100	HWU3.56X (H1=10.5)	3¼	8-16d	6-N10	810	6600
11½	HHUS410	3	30-16d	10-16d	3735	5635	HB3.56/11.88	3½	22-16d	10-16d	2610	5650
	HGUS410	4	46-16d	16-16d	4095	9100	GLT4	5	10-N54A	6-N54A	1745	8165
12	HHUS410	3	30-16d	10-16d	3735	5635	HB3.56X (H1=12)	3½	22-16d	10-16d	2610	5650
	HGUS410	4	46-16d	16-16d	4095	9100	GLT4	5	10-N54A	6-N54A	1745	8165
13½	HHUS410	3	30-16d	10-16d	3735	5635	HB3.56X (H1=13.5)	3½	22-16d	10-16d	2610	5650
	HGUS414	4	66-16d	22-16d	5515	10100	GLT4	5	10-N54A	6-N54A	1745	8165
14	HHUS410	3	30-16d	10-16d	3735	5635	HB3.56X (H1=14)	3½	22-16d	10-16d	2610	5650
	HGUS414	4	66-16d	22-16d	5515	10100	GLT4	5	10-N54A	6-N54A	1745	8165
15	HGUS410	4	46-16d	16-16d	4095	9100	GLT4	5	10-N54A	6-N54A	1745	8165
	HGUS414	4	66-16d	22-16d	5515	10100	HGLT4	6	18-N54A	6-N54A	1745	11930
16	HGUS410	4	46-16d	16-16d	4095	9100	GLT4	5	10-N54A	6-N54A	1745	8165
	HGUS414	4	66-16d	22-16d	5515	10100	HGLT4	6	18-N54A	6-N54A	1745	11930
16½	HGUS410	4	46-16d	16-16d	4095	9100	GLT4	5	10-N54A	6-N54A	1745	8165
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT4	6	18-N54A	6-N54A	1745	11930
18	HGUS414	4	66-16d	22-16d	5515	10100	GLT4	5	10-N54A	6-N54A	1745	8165
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT4	6	18-N54A	6-N54A	1745	11930
19½	HGUS414	4	66-16d	22-16d	5515	10100	GLT4	5	10-N54A	6-N54A	1745	8165
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT4	6	18-N54A	6-N54A	1745	11930
21	HGUS414	4	66-16d	22-16d	5515	10100	HGLT4	6	18-N54A	6-N54A	1745	11930
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	EQQ3.62-SDS3	6	28-SDS	12-SDS	6365	18270
22½	HGU3.63-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT4	6	18-N54A	6-N54A	1745	11930
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	EQQ3.62-SDS3	6	28-SDS	12-SDS	6365	18270
24	HGU3.63-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT4	6	18-N54A	6-N54A	1745	11930
	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	EQQ3.62-SDS3	6	28-SDS	12-SDS	6365	18270
25½ -30	HGU3.63-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT4	6	18-N54A	6-N54A	1745²	11930
							EQQ3.62-SDS3	6	28-SDS	12-SDS	6365	18270

1. See notes on next page.

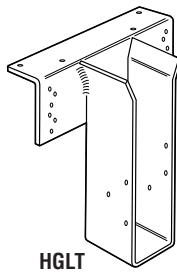
5½" ROSBORO X-BEAM - U.S./Allowable Load (lbs.)

Beam Height	Face Mount						Top Flange					
	Model	B Dim	Header Nails	Beam Nails	Uplift (160)	Down Load	Model ¹	B Dim	Header Nails	Beam Nails	Uplift (160)	Down Load
Beam Width = 5½"												
6	HU66	2½	12-16d	6-16d	1345	1785	B5.50X (H1=6)	2½	14-16d	6-16d	1010	3800
	HU68	2½	14-16d	6-16d	1345	2085	GLT6	5	10-N54A	6-N54A	1745	8165
7½	HGUS5.50/8	4	36-16d	12-16d	3235	7460	B5.50X (H1=7.5)	2½	14-16d	6-16d	1010	3800
							GLT6	5	10-N54A	6-N54A	1745	8165
9	HGUS5.50/8	4	36-16d	12-16d	3235	7460	HB5.50X (H1=9)	3½	22-16d	10-16d	2610	5650
							GLT6	5	10-N54A	6-N54A	1745	8165
9½	HGUS5.50/8	4	36-16d	12-16d	3235	7460	GLT6	5	10-N54A	6-N54A	1745	8165
	MGU5.62-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT6	6	18-N54A	6-N54A	1745	11930
10½	HGUS5.50/8	4	36-16d	12-16d	3235	7460	GLT6	5	10-N54A	6-N54A	1745	8165
	MGU5.62-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT6	6	18-N54A	6-N54A	1745	11930
11½	HGUS5.50/12	4	56-16d	20-16d	5045	9600	GLT6	5	10-N54A	6-N54A	1745	8165
	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT6	6	18-N54A	6-N54A	1745	11930
12	HGUS5.50/12	4	56-16d	20-16d	5045	9600	GLT6	5	10-N54A	6-N54A	1745	8165
	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT6	6	18-N54A	6-N54A	1745	11930
13½	HGUS5.50/12	4	56-16d	20-16d	5045	9600	HGLT6	6	18-N54A	6-N54A	1745	11930
	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
14	HGUS5.50/12	4	56-16d	20-16d	5045	9600	HGLT6	6	18-N54A	6-N54A	1745	11930
	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
15	MGU5.62-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT6	6	18-N54A	6-N54A	1745	11930
	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
16	MGU5.62-SDS	4½	24-SDS	16-SDS	7260	9450	HGLT6	6	18-N54A	6-N54A	1745	11930
	HHGU5.62-SDS	5¼	44-SDS	28-SDS	14550	17845	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
16½	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT6	6	18-N54A	6-N54A	1745	11930
	HHGU5.62-SDS	5¼	44-SDS	28-SDS	14550	17845	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
18	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	HGLT6	6	18-N54A	6-N54A	1745	11930
	HHGU5.62-SDS	5¼	44-SDS	28-SDS	14550	17845	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
19½	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
	HHGU5.62-SDS	5¼	44-SDS	28-SDS	14550	17845	EG5X (W=5.625)	6	8-MB1	2-MB1	8870	20895
21	HGU5.62-SDS	5¼	36-SDS	24-SDS	9895	14145	EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
	HHGU5.62-SDS	5¼	44-SDS	28-SDS	14550	17845	EG5X (W=5.625)	6	8-MB1	2-MB1	8870	20895
25½ -30	Consider using top flange hanger or consult structural engineer.						EGQ5.50-SDS3	6	28-SDS	12-SDS	6365	18270
							EG5X (W=5.625)	6	8-MB1	2-MB1	8870	20895

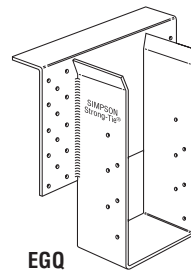
1. The height (H) of the GLT, HGLT and EGQ hangers may not exceed the joist height for the tabulated loads.
2. The HGLT uplift load applies when height of hanger (H) is 28" or less.



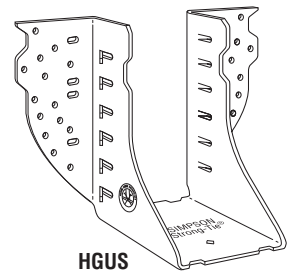
HHGU



HGLT



EGQ



HGUS

HGU – 7 gauge
HHGU – 3 gauge
The GU hangers are a high-capacity girder hanger designed for situations where the header and beam are flush at top.

GLT & HGLT –
Top flange – 3 gauge
Stirrup – 7 gauge
This welded series provides high load carrying capacity and design flexibility and versatility. May be sloped, skewed and modified in other ways, and may be welded to steel I-beams.

EGQ – Top flange – 3 gauge
Stirrup – 7 gauge
A high capacity top flange connector designed for use with glulams and Structural Composite Lumber beams.

HGUS – 12 gauge
HHUS – 14 gauge
Features double shear nailing for high strength and lowest installed cost.

SPECIAL ORDER PLATES

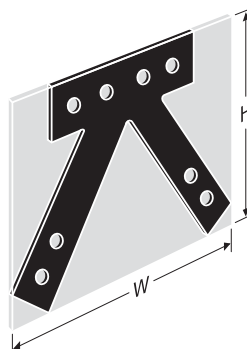
Simpson Strong-Tie can make a variety of flat and bent steel shapes, which include gusset plates for heavy timber trusses, custom ornamental shapes and retaining plates.

MATERIAL: 3 gauge maximum

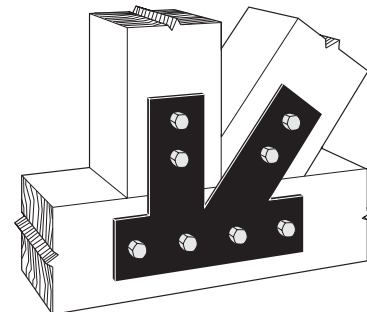
FINISH: Galvanized, textured powder-coated flat black, Simpson Strong-Tie® gray paint, stainless steel. Contact Simpson Strong-Tie for availability.

TO OBTAIN A QUOTE:

- Supply a CAD drawing in .dxf format complete with plate dimensions, hole diameter and locations, steel thickness, desired finish (*Simpson Strong-Tie Gray Paint, Black Powder-Coat, HDG or raw steel*).
- Total plate shape and size up to maximum dimensions of 48"x48" (*approx. 1/16" tolerance*).
- Simpson Strong-Tie does not provide product engineering or load values for Special Order Plates.
- Contact Simpson Strong-Tie for pricing information.
- Refer to General Notes in the current *Wood Construction Connectors* catalog for additional information.



"W" and "H" indicate the envelope size of the steel shape.



Typical Installation
(Plate shown has black powder-coat)

Simpson Strong-Tie maintains an extensive library of literature, providing information on a wide variety of subjects. You can access the library by visiting www.strongtie.com.

Together We're Building Safer, Stronger Homes and Buildings