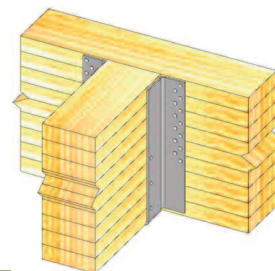


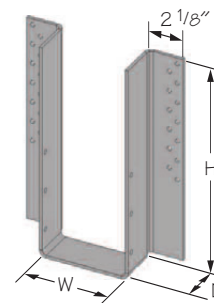
Materials: See chart
Finish: USP primer
Options: See Specialty Options Chart.

Installation:

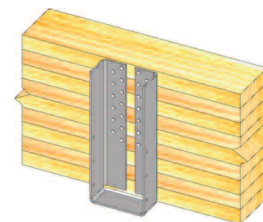
- Use all specified fasteners. See Product Notes, page 10.



Typical **GHF51135** installation



GHF



Typical **GHF51135IF** inverted flange installation

Glulam Size	USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Fastener Schedule ²				Factored Resistance ¹							
				W	H	D	Header		Joist		DF-L (Lbs)		DF-L (kN)		S-P-F (Lbs)		S-P-F (kN)	
							Qty	Type	Qty	Type	Floor	Uplift ³	Floor	Uplift ³	Floor	Uplift ³	Floor	Uplift ³
3-1/8 x 6	GHF31600	---	12	3-3/16	5-7/8	2-3/8	10	WS25	4	WS25	3155	1450	14.03	6.45	2650	1220	11.79	5.43
3-1/8 x 7-1/2	GHF31750	---	12	3-3/16	7-3/8	2-3/8	12	WS25	4	WS25	3785	1450	16.84	6.45	3180	1220	14.15	5.43
3-1/8 x 9	GHF31900	---	12	3-3/16	8-7/8	2-3/8	16	WS25	5	WS25	5045	1810	22.44	8.05	4240	1520	18.86	6.76
3-1/8 x 10-1/2	GHF31105	---	12	3-3/16	10-3/8	2-3/8	20	WS25	6	WS25	6305	2175	28.05	9.68	5295	1825	23.55	8.12
3-1/8 x 12	GHF31120	---	12	3-3/16	11-7/8	2-3/8	22	WS25	6	WS25	6940	2175	30.87	9.68	5830	1825	25.93	8.12
3-1/8 x 13-1/2	GHF31135	---	12	3-3/16	13-3/8	2-3/4	24	WS25	6	WS25	7585	2175	33.65	9.68	6355	1825	28.27	8.12
3-1/8 x 15	GHF31150	---	12	3-3/16	14-7/8	2-3/4	26	WS25	7	WS25	8200	2540	36.48	11.30	6890	2135	30.65	9.50
3-1/8 x 16-1/2	GHF31165	---	12	3-3/16	16-3/8	2-3/4	28	WS25	9	WS25	8825	3265	39.26	14.52	7415	2745	32.98	12.21
3-1/8 x 18	GHF31178	---	12	3-3/16	17-3/4	2-3/4	30	WS25	11	WS25	9460	3990	42.08	17.75	7945	3350	35.34	14.90
5-1/8 x 6	GHF51600	---	12	5-3/16	5-7/8	2-3/8	10	WS3	4	WS3	3155	1450	14.03	6.45	2650	1220	11.79	5.43
5-1/8 x 7-1/2	GHF51750	---	12	5-3/16	7-3/8	2-3/8	14	WS3	4	WS3	4415	1450	19.64	6.45	3710	1220	16.50	5.43
5-1/8 x 9	GHF51900	---	12	5-3/16	8-7/8	2-3/8	18	WS3	5	WS3	5675	1810	25.24	8.05	4765	1520	21.20	6.76
5-1/8 x 10-1/2	GHF51105	---	12	5-3/16	10-3/8	2-3/8	22	WS3	6	WS3	6940	2175	30.87	9.68	5830	1825	25.93	8.12
5-1/8 x 12	GHF51120	---	12	5-3/16	11-7/8	2-3/8	24	WS3	6	WS3	7585	2175	33.65	9.68	6355	1825	28.27	8.12
5-1/8 x 13-1/2	GHF51135	---	7	5-3/16	13-3/8	2-3/8	26	WS3	6	WS3	9360	2485	41.64	11.05	7860	2085	34.96	9.27
5-1/8 x 15	GHF51150	---	7	5-3/16	14-7/8	2-3/4	28	WS3	7	WS3	10080	2900	44.84	12.90	8465	2435	37.66	10.83
5-1/8 x 16-1/2	GHF51165	---	7	5-3/16	16-3/8	2-3/4	30	WS3	7	WS3	10800	2900	48.04	12.90	9070	2435	40.35	10.83
5-1/8 x 18	GHF51178	---	7	5-3/16	17-3/4	2-3/4	32	WS3	8	WS3	11520	3310	51.25	14.72	9675	2780	43.04	12.37
5-1/8 x 19-1/2	GHF51192	---	7	5-3/16	19-1/8	2-3/4	34	WS3	8	WS3	12240	3310	54.45	14.72	10280	2780	45.73	12.37
5-1/8 x 21	GHF51205	---	7	5-3/16	20-3/8	2-3/4	36	WS3	9	WS3	12960	3725	57.65	16.57	10885	3130	48.42	13.92
5-1/8 x 22-1/2	GHF51220	---	7	5-3/16	21-7/8	2-3/4	38	WS3	9	WS3	13680	3725	60.85	16.57	11490	3130	51.11	13.92
5-1/8 x 24	GHF51233	---	7	5-3/16	23-1/4	2-3/4	40	WS3	11	WS3	14400	4555	64.06	20.26	12095	3825	53.80	17.02
5-1/4 x 9	GHF52900	---	12	5-5/16	8-7/8	2-3/8	18	WS3	5	WS3	5675	1810	25.24	8.05	4765	1520	21.20	6.76
5-1/4 x 12	GHF52120	---	12	5-5/16	11-7/8	2-3/8	24	WS3	6	WS3	7585	2175	33.65	9.68	6355	1825	28.27	8.12
6-3/4 x 6	GHF67600	---	12	6-7/8	5-7/8	2-3/8	12	WS3	4	WS3	3785	1450	16.84	6.45	3180	1220	14.15	5.43
6-3/4 x 7-1/2	GHF67750	---	12	6-7/8	7-3/8	2-3/8	16	WS3	5	WS3	5045	1810	22.44	8.05	4240	1520	18.86	6.76
6-3/4 x 9	GHF67900	---	12	6-7/8	8-7/8	2-3/8	20	WS3	6	WS3	6305	2175	28.05	9.68	5295	1825	23.55	8.12
6-3/4 x 10-1/2	GHF67105	---	12	6-7/8	10-3/8	2-3/8	24	WS3	8	WS3	7565	2905	33.65	12.92	6355	2440	28.27	10.85
6-3/4 x 12	GHF67120	---	7	6-7/8	11-7/8	2-3/4	28	WS3	8	WS3	10080	3310	44.84	14.72	8465	2780	37.66	12.37
6-3/4 x 13-1/2	GHF67135	---	7	6-7/8	13-3/8	2-3/4	30	WS3	8	WS3	10800	3310	48.04	14.72	9070	2780	40.35	12.37
6-3/4 x 15	GHF67150	---	7	6-7/8	14-7/8	2-3/4	32	WS3	10	WS3	11520	4140	51.25	18.42	9675	3480	43.04	15.48
6-3/4 x 16-1/2	GHF67165	---	7	6-7/8	16-3/8	2-3/4	34	WS3	10	WS3	12240	4140	54.45	18.42	10280	3480	45.73	15.48
6-3/4 x 18	GHF67180	---	7	6-7/8	17-3/4	2-3/4	36	WS3	12	WS3	12960	4970	57.65	22.11	10885	4175	48.42	18.57
6-3/4 x 19-1/2	GHF67195	---	7	6-7/8	19-1/8	3	40	WS3	14	WS3	14400	5795	64.06	25.78	12095	4870	53.80	21.66
6-3/4 x 21	GHF67210	---	7	6-7/8	20-3/8	3	44	WS3	18	WS3	15840	7450	70.46	33.14	13305	6260	59.19	27.85
6-3/4 x 22-1/2	GHF67225	---	7	6-7/8	21-7/8	3	46	WS3	20	WS3	16560	8280	73.67	36.83	13910	6955	61.88	30.94
6-3/4 x 24	GHF67240	---	7	6-7/8	23-1/4	3	48	WS3	22	WS3	17280	9110	76.87	40.52	14515	7650	64.57	34.03

1) Factored resistances based on seat bearing calculated at 560 psi perpendicular to grain.
 2) WS25 Wood Screws are 1/4" x 2-1/2" long and the WS3 Wood Screws are 1/4" x 3" long and are included with GHF hangers.
 3) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.
 New products or updated product information are designated in **bold font**.

Specialty Options Chart – refer to Specialty Options pages 182 to 183 for additional details.

Option	Skewed ^{1,3}	Sloped Seat ²	Sloped / Skewed ^{1,2}	Inverted Flange
Range	1° to 50°	1° to 45°	See Sloped Seat and Skewed	Not available in widths less than 4-1/2"
Allowable Loads	100% of table load. 75% of uplift load on skewers greater than 15°.	100% of table load	80% of table load on skewers greater. 75% of uplift load than 15°.	100% of table load. 65% of table load when nailing into the support members end grain.
Ordering	Add <i>SK</i> , angle required, and right (<i>R</i>) or left (<i>L</i>), to product number. Ex. GHF31900-SK45R	Add <i>SL</i> , slope required, and up (<i>U</i>) or down (<i>D</i>), to product number. Ex. GHF31900-SL30D	See Sloped Seat and Skewed. Ex. GHF31900-SK45RSL30D	Add <i>IF</i> to product number. Ex. GHF51135IF

1) Skewed hangers with skewers greater than 15° may have all joist nailing on outside flange.
 2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.
 3) All skewed GHF hangers require joist to be bevel/miter cut.

Bolt-only fastening, heavy steel construction, and a continuous top flange allow the KLEG, KMEG, and KEG products to have high load capacities.

KLEG – (4) bolt light-duty hanger.

KMEG – (6) bolt medium-duty hanger.

KEG – (8) bolt heavy-duty hanger.

Materials: See chart

Finish: USP primer

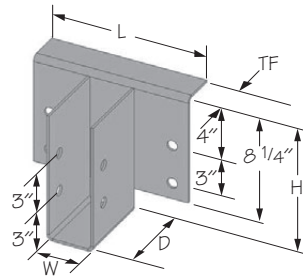
Options: See Specialty Options Chart.

Codes: Load values are derived from data submitted to various North American building code evaluators.

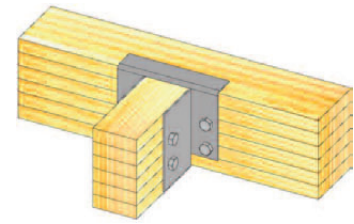
Beam height dimension (H) must be specified when ordering.

Installation:

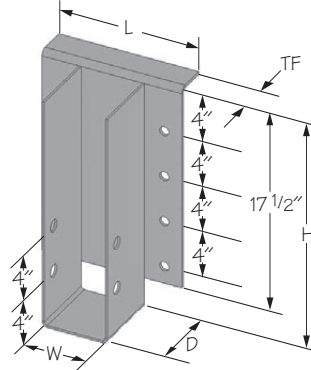
- Use all specified fasteners. See Product Notes, page 10.
- Bolts are not supplied unless ordered separately. Bolts provided by other suppliers must meet or exceed ASTM A 307 Grade A, or ASME SAE Grade 2, or better.
- **Minimum header height is 9" for the KLEG; 9" for the KMEG; 11" for the KEG.**



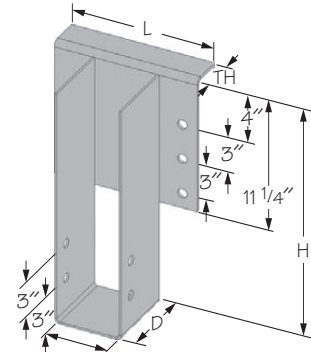
KLEG3



Typical KLEG5 installation



KEG5



KMEG5

USP Stock No.	Ref. No	Steel Gauge		Dimensions (in)					Fastener Schedule				Factored Resistance ¹								
		Top Flange	U-Strap	W	H ³	D	TF	L	Header		Joist		DF-L								
									Qty	Bolt Dia.	Qty	Bolt Dia.	Vertical 100%		Uplift 115% ²		Vertical 100%		Uplift 115% ²		
KLEG3	LEG3	7	7	3-1/4	specify	6	2-1/2	12	4	3/4	2	3/4	Application	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN
													With Top Flange	15060	66.99	4040	17.97	12950	57.61	3475	15.46
													Without Top Flange	5125	22.80	4040	17.97	4410	19.62	3475	15.46
KLEG5	LEG5	7	7	5-1/4	specify	6	2-1/2	12	4	3/4	2	3/4	With Top Flange	15060	66.99	5910	26.29	12950	57.61	5085	22.62
													Without Top Flange	5125	22.80	5910	26.29	4410	19.62	5085	22.62
KLEG7	LEG7	7	7	6-7/8	specify	6	2-1/2	12	4	3/4	2	3/4	With Top Flange	15060	66.99	5910	26.29	12950	57.61	5085	22.62
													Without Top Flange	5125	22.80	5910	26.29	4410	19.62	5085	22.62
KMEG5	MEG5	7	7	5-1/4	specify	6	2-1/2	12	6	3/4	2	3/4	With Top Flange	17555	78.09	5915	26.31	15095	67.15	5085	22.62
													Without Top Flange	7620	33.90	5915	26.31	6555	29.16	5085	22.62
KMEG7	MEG7	7	7	6-7/8	specify	6	2-1/2	12	6	3/4	2	3/4	With Top Flange	17555	78.09	5910	26.29	15095	67.15	5085	22.62
													Without Top Flange	7620	33.90	5910	26.29	6555	29.16	5085	22.62
KEG5	EG5	1/4	7	5-1/4	specify	6	2-1/2	12	8	1	2	1	With Top Flange	23125	102.87	7625	33.92	19890	88.48	6560	29.18
													Without Top Flange	13190	58.67	7625	33.92	11345	50.47	6560	29.18
KEG7	EG7	1/4	7	6-7/8	specify	6	2-1/2	13-1/2	8	1	2	1	With Top Flange	24410	108.59	9595	42.68	20995	93.39	8250	36.70
													Without Top Flange	13235	58.87	9595	42.68	11380	50.62	8250	36.70
KEG9	EG9	1/4	7	8-7/8	specify	6	2-1/2	15-1/2	8	1	2	1	With Top Flange	26100	116.10	9580	42.62	22445	99.84	8240	36.65
													Without Top Flange	13270	59.03	9580	42.62	11410	50.76	8240	36.65
KEG11	---	1/4	7	10-7/8	specify	6	2-1/2	17-1/2	8	1	2	1	With Top Flange	27785	123.60	9570	42.57	23895	106.29	8230	36.61
													Without Top Flange	13300	59.16	9570	42.57	11440	50.89	8230	36.61

1) Factored resistances are for a supporting member with a width of 5-1/2", and 460 psi perpendicular to grain loading in single shear.
 2) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.
 3) "Specify" denotes the required supported beam height that must be specified at the time of ordering.

Specialty Options Chart – refer to Specialty Options pages 182 and 185 for additional details.

Option	Skewed ³	Sloped Seat	Top Flange Offset ²
Range	1° to 45°	1° to 45°	---
Factored Resistance	KLEG - 14400 lbs. Max. KMEG - 14400 lbs. Max. KEG - 20520 lbs. Max.	KLEG - 13920 lbs. Max. KMEG - 13920 lbs. Max. KEG - 13920 lbs. Max.	KLEG - 8160 lbs. Max. KLEG - 9" min. height. KMEG - 8160 lbs. Max. KMEG - 11" min. height.
Ordering	Add SK, angle required, and right (R) or left (L), to product number. Ex. KLEG3H112-SK45R	Add SL, slope required, and up (U) or down (D), to product number. Ex. KLEG3H112-SL30D	Add OS, and right (R) or left (L), to product number. Ex. KLEG3H112-OSL

1) Top flange offset hangers may not be skewed.
 2) Top flange offset option is not available for KEG models.
 3) Carried member must have square cut end on skewed option. Refer to Typical PHXU hanger, skewed, left shown, Type B illustration on page 185.

These hangers cover medium-to-heavy glulam beam and purlin applications.

KHHB – Medium-duty hanger.

KGB – Medium to heavy-duty hanger.

KHGB – Heavy-duty hanger.

Materials: 7 gauge

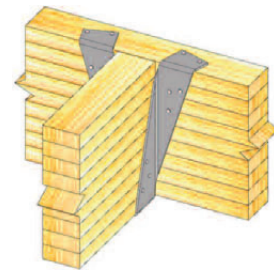
Finish: USP primer

Codes: Load values are derived from data submitted to various North American building code evaluators.

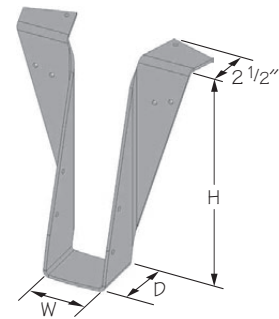
Beam height dimension (H) must be specified when ordering.

Installation:

- Use all specified fasteners. See Product Notes, page 10.
- Minimum height (H) is 7 1/2".



Typical **KHHB** installation



KHHB

See Welded Installation chart on page 186

Beam Width	USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in) ³			Fastener Schedule ⁵					Factored Resistance ¹							
				W	H ³	D	Header ⁴		Joist			DF-L (Lbs)		DF-L (kN)		S-P-F (Lbs)		S-P-F (kN)	
							Top	Face	Type	Qty	Type	Vertical	Uplift ²	Vertical	Uplift ²	Vertical	Uplift ²	Vertical	Uplift ²
				Qty	Qty	Qty	Qty	Qty	100%	115%	100%	115%	100%	115%	100%	115%			
3-1/8	KHHB3	HHB3	7	3-1/4	specify	3	4	6	WS3	6	WS3	7035	2525	31.29	11.23	5910	2120	26.29	9.43
	KGB3	GB3	7	3-1/4	specify	3-1/2	4	10	WS3	6	WS3	9300	2525	41.37	11.23	7810	2120	34.74	9.43
5-1/8	KHHB5	HHB5	7	5-1/4	specify	3	4	6	WS3	6	WS3	7035	2525	31.29	11.23	5910	2120	26.29	9.43
	KGB5	GB5	7	5-1/4	specify	3-1/2	4	10	WS3	6	WS3	9300	2525	41.37	11.23	7810	2120	34.74	9.43
6-3/4	KHHB7	HHB7	7	6-7/8	specify	3	4	6	WS3	6	WS3	7035	2525	31.29	11.23	5910	2120	26.29	9.43
	KGB7	GB7	7	6-7/8	specify	3-1/2	4	10	WS3	6	WS3	9300	2525	41.37	11.23	7810	2120	34.74	9.43
	KHGB7	HGB7	7	6-7/8	specify	4	4	12	WS3	6	WS3	10845	2525	48.24	11.23	9110	2120	40.52	9.43

1) Factored resistances are based on 460 psi perpendicular to grain loading.
 2) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.
 3) "Specify" denotes the required supported beam height must be specified at the time of ordering.
 4) Supporting header shall be no less than 3" thick.
 5) **WS3 Wood Screws are 1/4" x 3" long and are included with hangers.**
 New products or updated product information are designated in bold font.



These heavy beam hangers are designed for use with glulam and timber beams. The continuous top mount flange offers high load capacity with minimal nailing.

KGLT – Medium-duty hanger.

KHGLT – Heavy-duty hanger.

Materials: Top Flange – 3 gauge; U-Strap – 7 gauge

Finish: USP primer

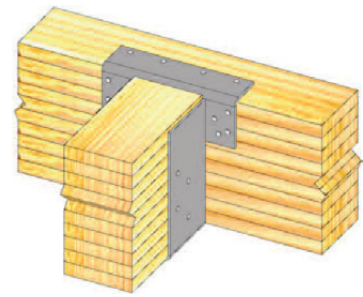
Options: See Specialty Options Chart.

Codes: Load values are derived from data submitted to various North American building code evaluators.

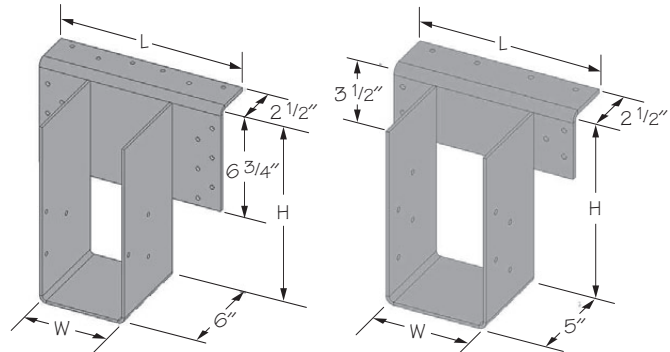
Beam height dimension (H) must be specified when ordering.

Installation:

- Use all specified fasteners. See Product Notes, page 10.



Typical **KGLT5** installation



KHGLT

KGLT

See Welded Installation chart on page 186

Beam Width	USP Stock No.	Ref. No.	Dimensions (in)			Fastener Schedule ⁴					Factored Resistance ^{2,5}											
			W	H ³	L	Header		Joist			F _{c1} = 460 psi		F _{c1} = 625 psi		Uplift ¹							
						Top	Face	Type	Qty	Type	DF-L (100%)	S-P-F (100%)	DF-L (100%)	S-P-F (100%)	DF-L (115%)	S-P-F (115%)						
			Qty	Qty	Type	Qty	Type	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN					
3-1/8	KGLT3	GLT3	3-1/4	specify	10	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
3-1/2	KGLT4	GLT4	3-5/8	specify	10	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
5-1/8	KGLT5	GLT5	5-1/4	specify	10	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
5-1/2	KGLT6	GLT6	5-5/8	specify	10	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
6-3/4	KGLT7	GLT7	6-7/8	specify	12	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
8-3/4	KGLT9	--	8-7/8	specify	14	4	6	WS3	8	WS3	10865	48.33	9125	40.59	---	---	---	---	2970	13.21	2495	11.10
3-1/8	KHGLT3	HGLT3	3-1/4	specify	12	6	12	WS3	6	WS3	14615	65.01	12275	54.60	18670	83.05	15685	69.77	2525	11.23	2120	9.43
3-1/2	KHGLT4	HGLT4	3-5/8	specify	12	6	12	WS3	6	WS3	15105	67.19	12690	56.45	18670	83.05	15685	69.77	2525	11.23	2120	9.43
5-1/8	KHGLT5	HGLT5	5-1/4	specify	12	6	12	WS3	6	WS3	15105	67.19	12690	56.45	18670	83.05	15685	69.77	2525	11.23	2120	9.43
5-1/2	KHGLT6	HGLT5	5-5/8	specify	12	6	12	WS3	6	WS3	15105	67.19	12690	56.45	18670	83.05	15685	69.77	2525	11.23	2120	9.43
6-3/4	KHGLT7	HGLT7	6-7/8	specify	12	6	12	WS3	6	WS3	15105	67.19	12690	56.45	18670	83.05	15685	69.77	2525	11.23	2120	9.43
8-3/4	KHGLT9	HGLT9	8-7/8	specify	14	6	12	WS3	6	WS3	16760	74.56	14080	62.63	19295	85.83	16210	72.11	2525	11.23	2120	9.43
10-3/4	KHGLT11	HGLT11	10-7/8	specify	16	6	12	WS3	6	WS3	18420	81.94	15475	68.84	19295	85.83	16210	72.11	2525	11.23	2120	9.43

1) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.

2) KGLT load values based on 460 psi perpendicular to grain loading. KHGLT load values based on 460 psi or 625 psi perpendicular to grain loading.

3) "Specify" denotes the required supported beam height that must be specified at time of ordering, with 7-1/2" being the minimum.

4) **WS3 Wood Screws are 1/4" x 3" long and are included with the hangers.**

5) No further increase for duration of load allowed.

New products or updated product information are designated in **bold font**.

Specialty Options Chart – refer to Specialty Options pages 182 and 185 for additional details.

Option	Skewed ^{1,3}	Sloped Seat ^{2,3}	Sloped / Skewed ^{1,2,3}	Sloped Top Flange ⁴	Top Flange Offset	Saddle
Range	1' to 50'	1' to 45'	See Sloped Seat and Skewed	0' to 45'	--	--
Factored Resistance	50% of uplift value on skew greater than 15°	KGLT - 5920 lbs. Max. KHGLT - 10080 lbs. Max.	50% of uplift value on skew greater than 15°	Reduce table values using straight-line interpolation	60% of table value for KGLT. 45% of table value for KHGLT.	100% of table value per side
Ordering	Add <i>SK</i> , angle required, and right (<i>R</i>) or left (<i>L</i>), to product number. Ex. KGLT3H16-SK45R	Add <i>SL</i> , slope required, and up (<i>U</i>) or down (<i>D</i>), to product number. Ex. KGLT3H16-SL30D	See Sloped Seat and Skewed. Ex. KGLT3H16-SK45RSL30D	Add <i>SF</i> angle required and right (<i>R</i>) or left (<i>L</i>), to product number. Ex. KGLT3H16-SF30L	Add <i>OS</i> , and right (<i>R</i>) or left (<i>L</i>), to product number. Ex. KGLT3H16-OSL	Add <i>SA</i> , and saddle width required to product number. Ex. KGLT3H16-SA=5-1/2"

1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.

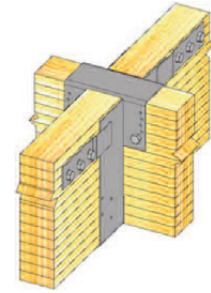
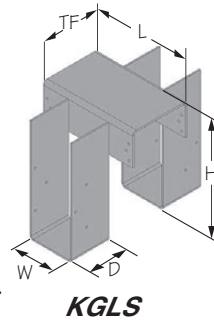
2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.

3) All sloped, skewed, or combinations require bevel cut on joist in all applications.

4) Sloped top flanges with slopes greater than 15° may have additional header nails.

- KGLS** – Saddle hanger.
- KGLST** – Saddle hanger with seismic straps.
- KHGLS** – Heavier version of KGLS.
- KHGLST** – Heavier version of KGLST.

- Materials:** Top flange - 3 gauge; Stirrup - 7 gauge
- Finish:** USP primer
- Options:** See KGLS & KHGLS Specialty Options Chart.
- Codes:** Load values are derived from data submitted to various North American building code evaluators.

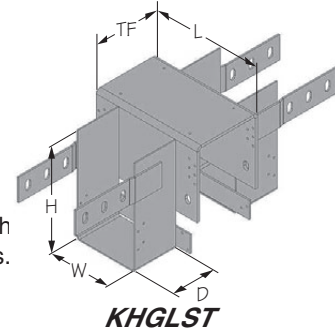


Typical **KHGLST35** installation

Beam height dimension (H) must be specified when ordering.

Installation:

- Use all specified fasteners. See Product Notes, page 10.
- Loads and nail schedule apply to each saddle hanger stirrup.
- **Minimum header height is 8 1/2" for the KGLS; 8 1/2" for the KGLST; 10 1/2" for the KHGLS, and 10 1/2" for the KHGLST.**
- **KGLST** and **KHGLST** models include seismic straps which must be installed with thru-bolts in each supported member and (2) 3/4" thru-bolts into the supporting beams.



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Supported Glulam Beam Size	USP Stock No.	Ref. No.	Dimensions (in) ³					Fastener Schedule								Factored Resistance ^{2,6}							
			W	H ⁷	D	L	TF	Wood Screws ^{2,5}				Bolts				DF-L (Lbs)		DF-L (kN)		S-P-F (Lbs)		S-P-F (kN)	
								Header		Joist		Header		Joist		Vertical	Uplift ¹	Vertical	Uplift ¹	Vertical	Uplift ¹	Vertical	Uplift ¹
			Qty	Type	Qty	Type	Qty	Dia.	Qty	Dia.	Qty	Dia.	Qty	Dia.	100%	115%	100%	115%	100%	115%	100%	115%	
3-1/8	KGLS35	GLS3-5	3-1/4	specify	5	6	5-1/4	6	WS3	6	WS3	---	---	---	---	14795	2525	65.81	11.23	12430	2120	55.29	9.43
	KGLST35	GLST3-5	3-1/4	specify	6-1/2	10	5-1/4	6	WS3	6	WS3	2	3/4	3	3/4	18575	2525	82.63	11.23	15605	2120	69.42	9.43
	KGLS37	GLS3-7	3-1/4	specify	5	6	6-7/8	6	WS3	6	WS3	---	---	---	---	14795	2525	65.81	11.23	12430	2120	55.29	9.43
	KGLST37	GLST3-7	3-1/4	specify	6-1/2	10	6-7/8	6	WS3	6	WS3	2	3/4	3	3/4	18575	2525	82.63	11.23	15605	2120	69.42	9.43
	KGLS39	GLS3-9	3-1/4	specify	5	6	8-7/8	6	WS3	6	WS3	---	---	---	---	14795	2525	65.81	11.23	12430	2120	55.29	9.43
5-1/8	KGLST39	GLST3-9	3-1/4	specify	6-1/2	10	8-7/8	6	WS3	6	WS3	2	3/4	3	3/4	18575	2525	82.63	11.23	15605	2120	69.42	9.43
	KGLS55	GLS5-5	5-1/4	specify	5	9	5-1/4	6	WS3	6	WS3	---	---	---	---	21180	2525	94.22	11.23	17790	2120	79.14	9.43
	KGLST55	GLST5-5	5-1/4	specify	6-1/2	12	5-1/4	6	WS3	6	WS3	2	3/4	3	3/4	27380	2525	121.80	11.23	23000	2120	102.31	9.43
	KGLS57	GLS5-7	5-1/4	specify	5	9	6-7/8	6	WS3	6	WS3	---	---	---	---	22860	2525	101.69	11.23	19200	2120	85.41	9.43
	KGLST57	GLST5-7	5-1/4	specify	6-1/2	12	6-7/8	6	WS3	6	WS3	2	3/4	3	3/4	29060	2525	129.27	11.23	24410	2120	108.59	9.43
6-3/4	KHGLS5	HGLS5	5-1/4	specify	6-1/2	12	specify	14	WS3	8	WS3	---	---	---	---	29785	3365	132.50	14.97	25020	2825	111.30	12.57
	KHGLST5	HGLST5	5-1/4	specify	6	12	specify	14	WS3	8	WS3	2	3/4	3	3/4	27720	3365	123.31	14.97	23285	2825	103.58	12.57
	KGLS77	GLS7-7	6-7/8	specify	5	12	6-7/8	6	WS3	6	WS3	---	---	---	---	29410	2525	130.83	11.23	24705	2120	109.90	9.43
	KGLST77	GLST7-7	6-7/8	specify	6-1/2	12	6-7/8	6	WS3	6	WS3	2	3/4	3	3/4	35245	2525	156.78	11.23	29605	2120	131.69	9.43
	KGLS79	GLS7-9	6-7/8	specify	5	12	8-7/8	6	WS3	6	WS3	---	---	---	---	29410	2525	130.83	11.23	24705	2120	109.90	9.43
8-3/4	KGLST79	GLST7-9	6-7/8	specify	6-1/2	12	8-7/8	6	WS3	6	WS3	2	3/4	3	3/4	37575	2525	167.15	11.23	31565	2120	140.41	9.43
	KHGLS7	HGLS7	6-7/8	specify	6	12	specify	14	WS3	8	WS3	---	---	---	---	30220	3365	134.43	14.97	25385	2825	112.92	12.57
	KHGLST7	HGLST7	6-7/8	specify	6-1/2	14	specify	14	WS3	8	WS3	2	3/4	3	3/4	34250	3365	152.36	14.97	28770	2825	127.98	12.57
	KHGLS9	HGLS9	8-7/8	specify	6	12	specify	14	WS3	8	WS3	---	---	---	---	30220	3365	134.43	14.97	25385	2825	112.92	12.57
	KHGLST9	HGLST9	8-7/8	specify	6-1/2	16	specify	14	WS3	8	WS3	2	3/4	3	3/4	38280	3365	170.28	14.97	32155	2825	143.04	12.57

1) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.
 2) Factored resistances and fastener schedules apply to each side of the saddled hanger.
 3) Minimum header height is 8-1/2" for the KGLS and KGLST; 10-1/2" for the KHGLS and KHGLST.
 4) Hangers with seismic straps may require a minimum joist depth. Consult USP for additional information.
 5) **WS3 Wood Screws are 1 1/4" x 3" long and are included with hangers.**
 6) The bearing loads are based on 560 psi.
 7) "Specify" denotes the required supported beam height that must be specified at time of ordering.
 New products or updated product information are designated in **bold font**.

See Welded Installation chart on page 186

KGLS & KHGLS Specialty Options Chart – refer to Specialty Options pages 182 and 185s for additional details.

Option	Skewed ¹	Sloped Seat ²	Sloped / Skewed ^{1,2}	Sloped Top Flange ³	Top Flange Offset	Saddle
Range	1° to 50°	1° to 45°	See Sloped Seat and Skewed	0° to 30°	May not be skewed	5" minimum saddle
Factored Resistance	KGLS - 6500 lbs. Max. KHGLS - 7980 lbs. Max. 50% of uplift value on skews greater than 15°.	KGLS - 9360 lbs. Max. KHGLS - 13200 lbs. Max.	KGLS - 7920 lbs. Max. KHGLS - may not be sloped/skewed.	Reduce table values using straight-line interpolation.	50% of table value for KGLS. 45% of table value for KHGLS.	100% of table value per side
Ordering	Add SK, angle required, and right (R) or left (L), to product number. Ex. KGLS35H115-SK45R	Add SL, slope required, and up (U) or down (D), to product number. Ex. KGLS35H115-SL30D	See Sloped Seat and Skewed. Ex. KGLS35H115-SK45RSL30D	Add SF, angle required, and right (R) or left (L), to product number. Ex. KGLS35H115-SF30L	Add OS, and right (R) or left (L), to product number. Ex. KGLS35H115-OSL	Add SA, and saddle width required to product number. Ex. KGLS35H115-SA=5-1/2"

1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.
 2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.
 3) Sloped top flanges with greater than 15° may have additional header nails.