

TOP FLANGE HANGERS – GLULAM BEAM

Joist or Purlin Size	Model No.	Ga	Dimensions				Fasteners		Allowable Loads				Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
3½ LAM	GLT3	7	3¼	7½ MIN	5	2½	10-N54A	6-N54A	1745	8165	8165	8165	I19, F18
	HGLT3	7	3¼	7½ MIN	6	2½	18-N54A	6-N54A	1745	11590	11755	11865	
	GLS3-5 ⁸	7	3¼	8½ MIN	5	5¼	6-N54A	6-N54A	1745	9790	9965	10080	
	GLST3-5 ⁸	7	3¼	9 MIN	6½	5¼	6-N54A	6-N54A	1745	12465	12630	12740	170
	GLS3-7 ⁸	7	3¼	8½ MIN	5	6¾	6-N54A	6-N54A	1745	9840	10005	10115	I19, F18
	GLST3-7 ⁸	7	3¼	9 MIN	6½	6¾	6-N54A	6-N54A	1745	12465	12630	12740	170
	GLS3-9 ⁸	7	3¼	8½ MIN	5	8¾	6-N54A	6-N54A	1745	9840	10005	10115	I19, F18
	GLST3-9 ⁸	7	3¼	9 MIN	6½	8¾	6-N54A	6-N54A	1745	12465	12630	12740	170
	HW3.25	11	3¼	5 MIN	4	2½	4-10d	2-10d	—	5285	5285	5285	I10, F9
	HHB3	7	3¼	7½ MIN	3	2½	10-N54A	6-N54A	1745	6105	6235	6235	I19, F18
	GB3	7	3¼	7½ MIN	3½	2½	14-N54A	6-N54A	1745	7215	7380	7490	
HU3.25/12TF	12	3¼	12	2½	2½	16-16d	6-10d	1125	4310	4335	4335	170	
HU3.25/16.5TF	12	3¼	16½	2½	2½	20-16d	8-10d	1500	4860	5275	5545		
3½ LAM	GLTV4	7	3¾	7½ MIN	5	2¾	10-16d	6-16d	1640	7000	7000	7000	I19, F18
	HGLTV4	7	3¾	7½ MIN	6	2¾	18-16d	6-16d	1640	8665	8665	8665	
5½ LAM	GLT5	7	5¼	7½ MIN	5	2½	10-N54A	6-N54A	1745	8165	8165	8165	I19, F18
	HGLT5	7	5¼	7½ MIN	6	2½	18-N54A	6-N54A	1745	11930	12455	12750	
	GLS5-5 ⁸	7	5¼	8½ MIN	5	5¼	6-N54A	6-N54A	1745	13080	13080	13080	
	GLST5-5 ⁸	7	5¼	9 MIN	6½	5¼	6-N54A	6-N54A	1745	14685	14685	14685	170
	GLS5-7 ⁸	7	5¼	8½ MIN	5	6¾	6-N54A	6-N54A	1745	13080	13080	13080	I19, F18
	GLST5-7 ⁸	7	5¼	9 MIN	6½	6¾	6-N54A	6-N54A	1745	14685	14685	14685	170
	HGLS5 ⁸	7	5¼	10½ MIN	6	SPEC	14-N54A	8-N54A	2330	16835	16835	16835	I19, F18
	HGLST5 ⁸	7	5¼	10½ MIN	6½	SPEC	14-N54A	8-N54A	2330	16835	16835	16835	
	HW5.25	11	5¼	5 MIN	2½	2½	4-10d	2-10d	—	5285	5285	5285	I10, F9
	HHB5	7	5¼	7½ MIN	3	2½	10-N54A	6-N54A	1745	6105	6235	6235	I19, F18
	GB5	7	5¼	7½ MIN	3½	2½	14-N54A	6-N54A	1745	7370	7640	8005	
HGB5	7	5¼	7½ MIN	4	2½	14-N54A	6-N54A	1745	7885	8265	8520	170	
HU5.25/12TF	12	5¼	12	2½	2½	16-16d	6-16d	1325	4310	4335	4335		
HU5.25/16.5TF	12	5¼	16½	2½	2½	20-16d	8-16d	1765	4860	5275	5550		
5½ LAM	GLTV6	7	5¾	7½ MIN	5	2¾	10-16d	6-16d	1640	7000	7000	7000	I19, F18
	HGLTV6	7	5¾	7½ MIN	6	2¾	18-16d	6-16d	1640	8665	8665	8665	
6¾ LAM	HHB7	7	6¾	7½ MIN	3	2½	10-N54A	6-N54A	1745	6105	6235	6235	I19, F18
	GB7	7	6¾	7½ MIN	3½	2½	14-N54A	6-N54A	1745	7370	7750	8005	
	HGB7	7	6¾	7½ MIN	4	2½	14-N54A	6-N54A	1745	7885	8265	8520	
	GLT7	7	6¾	7½ MIN	5	2½	10-N54A	6-N54A	1745	8165	8165	8165	170
	HGLT7	7	6¾	7½ MIN	6	2½	18-N54A	6-N54A	1745	11930	12455	12750	
	GLS7-7 ⁸	7	6¾	8½ MIN	5	6¾	6-N54A	6-N54A	1745	14040	14040	14040	I19, F18
	GLST7-7 ⁸	7	6¾	9 MIN	6½	6¾	6-N54A	6-N54A	1745	14685	14685	14685	
	GLS7-9 ⁸	7	6¾	8½ MIN	5	8¾	6-N54A	6-N54A	1745	14040	14040	14040	170
	GLST7-9 ⁸	7	6¾	9 MIN	6½	8¾	6-N54A	6-N54A	1745	14685	14685	14685	
HGLS7 ⁸	7	6¾	10½ MIN	6	SPEC	14-N54A	8-N54A	2330	16835	16835	16835	I19, F18	
HGLST7 ⁸	7	6¾	10½ MIN	6½	SPEC	14-N54A	8-N54A	2330	16835	16835	16835		
7 LAM	GLTV7.12	7	7¾	7½ MIN	5	2¾	10-16d	6-16d	1640	7000	7000	7000	170
	HGLTV7.12	7	7¾	7½ MIN	6	2¾	18-16d	6-16d	1640	8665	8665	8665	
8¾ LAM	HGLT9	7	8¾	7½ MIN	6	2½	18-N54A	6-N54A	1745	12750	12750	12750	I19, F18
	HGLS9 ⁸	7	8¾	10½ MIN	6	SPEC	14-N54A	8-N54A	2330	16835	16835	16835	
	HGLST9 ⁸	7	8¾	10½ MIN	6½	SPEC	14-N54A	8-N54A	2330	16835	16835	16835	

- N54A fasteners are supplied with hangers.
- Roof loads are 125% of floor loads unless limited by other criteria.
- Uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction refer to Simpson Strong-Tie® Connector Selector™ software or conservatively divide the uplift load by 1.6.
- GLT, HGLT, GLS, HGLS uplift loads only apply when "H" is 28" or less.
- Allowable loads for glulam sizes are based on 560 psi wood bearing.
- Maximum allowable horizontal load for the GLST/HGLST is 14580 lbs. (160). Load is horizontal across the supporting member and independent of vertical loads and includes a 60% increase for wind or earthquake loading with no further increase allowed.
- "Min H" is the minimum H dimension that may be specified. For GLT, HGLT, GLS, HGLS hanger heights that exceed the joist height, allowable load is 0.50 of the table load.

- Allowable loads assume GLS, GLST, HGLS and HGLST loads are distributed evenly on each side of the header with loads shown for each stirrup. When the load is not evenly distributed, use the equivalent single-sided top flange hanger allowable load for each side. (e.g., for uneven load distribution on a GLS3-5, use the GLT3 allowable loads for each side.)
- GLS, GLST, HGLS, HGLST fasteners listed are for one side only. Fasteners supplied are for both sides of the saddle.
- SPEC: Specify the header dimensions for the saddle hangers. ("S" dimension is illustrated on pages 113-114.)
- NAILS:** 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long, N54A = 0.250" dia. x 2½" long - annular ring. See page 16-17 for other nail sizes and information.

CODES: See page 12 for Code Reference Key Chart.