

TOP FLANGE HANGERS – GLULAM BEAM

Glulam Beam Connectors

Joist or Purlin Size (in)	Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance			
			W	H	B	TF ¹⁰	Header	Joist	D.Fir-L Glulam		Spruce-Pine Glulam	
									Uplift	Normal	Uplift	Normal
			(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)	lbs	lbs	lbs	lbs		
			kN	kN	kN	kN						
3½ LAM	GLT3	7	3¼	7½ MIN	5	2½	10-N54A	6-N54A	2905	9625	1935	5225
	HGLT3	7	3¼	7½ MIN	6	2½	18-N54A	6-N54A	12.94	42.87	8.62	23.27
	GLS3-5	7	3¼	8½ MIN	5	5¼	6-N54A	6-N54A	2905	14885	1935	10670
	GLST3-5	7	3¼	9 MIN	6½	5¼	6-N54A	6-N54A	12.94	66.30	8.62	47.53
	GLS3-7	7	3¼	8½ MIN	5	6%	6-N54A	6-N54A	2905	16735	1935	12265
	GLST3-7	7	3¼	9 MIN	6½	6%	6-N54A	6-N54A	12.94	74.54	8.62	54.63
	GLS3-9	7	3¼	8½ MIN	5	8%	6-N54A	6-N54A	2905	20190	1935	14805
	GLST3-9	7	3¼	9 MIN	6½	8%	6-N54A	6-N54A	12.94	89.93	8.62	65.95
	HW3.25	11	3¼	5 MIN	4	2½	4-10d	2-10d	2905	20190	1935	14805
	HHB3	7	3¼	7½ MIN	3	2½	10-N54A	6-N54A	12.94	89.93	8.62	65.95
5½ LAM	GLT5	7	5¼	7½ MIN	5	2½	10-N54A	6-N54A	2905	16930	1935	12420
	HGLT5	7	5¼	7½ MIN	6	2½	18-N54A	6-N54A	12.94	75.41	8.62	55.32
	GLS5-5	7	5¼	8½ MIN	5	5¼	6-N54A	6-N54A	2905	20190	1935	14805
	GLST5-5	7	5¼	9 MIN	6½	5¼	6-N54A	6-N54A	12.94	89.93	8.62	65.95
	GLS5-7	7	5¼	8½ MIN	5	6%	6-N54A	6-N54A	2905	20190	1935	14805
	GLST5-7	7	5¼	9 MIN	6½	6%	6-N54A	6-N54A	12.94	89.93	8.62	65.95
	HGLS5	7	5¼	10½ MIN	6	SPEC	14-N54A	8-N54A	4095	27570	2730	20145
	HGLST5	7	5¼	10½ MIN	6½	SPEC	14-N54A	8-N54A	18.24	122.81	12.16	89.73
	HW5.25	11	5¼	5 MIN	2½	2½	4-10d	2-10d	2905	20190	1935	14805
	HHB5	7	5¼	7½ MIN	3	2½	10-N54A	6-N54A	12.94	89.93	8.62	65.95
6¾ LAM	HHB7	7	6%	7½ MIN	3	2½	10-N54A	6-N54A	3340	8575	2230	6090
	GB7	7	6%	7½ MIN	3½	2½	14-N54A	6-N54A	14.88	38.20	9.93	27.13
	HGB7	7	6%	7½ MIN	4	2½	14-N54A	6-N54A	3340	13675	2230	9640
	GLT7	7	6%	7½ MIN	5	2½	10-N54A	6-N54A	14.88	60.91	9.93	42.94
	HGLT7	7	6%	7½ MIN	6	2½	18-N54A	6-N54A	3340	16050	2230	11365
	GLS7-7	7	6%	8½ MIN	5	6%	6-N54A	6-N54A	14.88	71.49	9.93	50.62
	GLST7-7	7	6%	9 MIN	6½	6%	6-N54A	6-N54A	2905	9625	1935	5225
	GLS7-9	7	6%	8½ MIN	5	8%	6-N54A	6-N54A	12.94	42.87	8.62	23.27
	GLST7-9	7	6%	9 MIN	6½	8%	6-N54A	6-N54A	2905	14885	1935	10670
	HGLS7	7	6%	10½ MIN	6	SPEC	14-N54A	8-N54A	12.94	66.30	8.62	47.53
8¾ LAM	HGLT9	7	8%	7½ MIN	6	2½	18-N54A	6-N54A	2905	20190	1935	14805
	HGLS9	7	8%	10½ MIN	6	SPEC	14-N54A	8-N54A	12.94	89.93	8.62	65.95
	HGLST9	7	8%	10½ MIN	6½	SPEC	14-N54A	8-N54A	4095	27570	2730	20145

- N54A fasteners are supplied with hangers.
- Factored uplift resistances have been increased 15% for earthquake or wind loading with no further increase allowed. Reduce by 15% for standard term loading (K_D=1.00) such as in cantilever construction.
- GLT, HGLT, GLS, HGLS uplift resistances only apply when "H" is 28" or less.
- Factored resistances for glulam sizes are based on 812 psi (5.6 MPa) D.Fir-L and 672 psi (4.64 MPa) Spruce-Pine wood bearing (φF_{cp}).
- Maximum factored horizontal resistance for the GLST/HGLST is 10595 lbs (47.2 kN) D.Fir-L and 9080 lbs (40.45 kN) Spruce-Pine Glulam. Load is horizontal across the supporting member and independent of vertical loads and includes a 15% increase for earthquake or wind loading with no further increase allowed.
- GLS, GLST, HGLS and HGLST loads must be distributed evenly on each side of the header, as they are saddle-style hangers.
- GLS, GLST, HGLS, HGLST fasteners listed are for one side only. Fasteners supplied are for both sides of the saddle.
- For attachment to SCL, see GLTV/HGLTV on page 91.
- Resistances shown are for each side of the hanger for GLS, GLST, HGLS and HGLST.
- For saddle hangers dimension shown is "S". Minimum "S" is 5¼".
- NAILS:** 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.