GLB/HGLB

Beam Seats

The GLB series provides a connection between beam and concrete or CMU pilaster.

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

Installation:

- Use all specified fasteners; see General Notes
- Bolt holes in wood shall be a minimum of ¹/₂₂" to a maximum of ¹/₁₆" larger than the bolt diameter (per the 2015/2018 NDS, section 12.1.3.2)
- Check the rebar spacing requirements on all installations

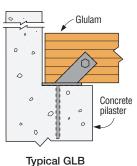
Options:

- Beam seats for sawn timber and other sizes may be ordered by specifying special dimensions; use the letter designations shown on the illustrations
- Specify if two-bolt GLB model is desired; see illustration

Codes: See p. 11 for Code Reference Key Chart

These products are available with additional corrosion protection. For more information, see p. 14.

	Model			nsions n.)		Bolts	Allov Bearing	vable g Loads	Code		
	No.	w	PD	PW	РТ	DUILS	Masonry @ 375 psi	Wood Bearing	Ref.		
	GLB5A	51⁄4	5	7	3 ga.	(1) ½	13,125	16,655			
	GLB5B	51⁄4	6	7	3⁄8	(1) ½	15,750	19,990			
	GLB5C	51⁄4	7	7	3⁄8	(1) ½	18,375	23,320			
	GLB5D	51⁄4	8	7	3⁄8	(1) ½	21,000	26,650	IBC,		
	GLB7A	61%	5	9	3 ga.	(1) 3⁄4	16,875	21,940	FL, LA		
	GLB7B	61%	6	9	3⁄8	(1) 3⁄4	20,250	26,325			
	GLB7C	6%	7	9	3⁄8	(1) 3⁄4	23,625	30,715			
	GLB7D	67⁄8	8	9	3⁄8	(1) 3⁄4	27,000	35,100			



3

HGLB

#6 rebar

(typ.)

Installation

See footnotes below.

		Dimensions (in.)					Allowable Bearing Loads							
	Model No.	Width for Beam (W)	Bearing Plate			Bolts	Masonry	Wood Bearing					Allowable Horizontal	Code
				Width	Width Thickness	(Qty.– Dia.)	Bearing	Glulam Beam Width (in.)					Bolt Loads	Ref.
				PT		@ 375 psi	31⁄8	51⁄8	6¾	8¾	10¾			
	HGLBA		5	10	3⁄8	(2) 3⁄4	18,750	10,155	16,655	21,940	28,440	—	10,305	IBC, FL, LA
	HGLBB	31⁄4 to 9	6	10	3⁄8	(2) 3⁄4	22,500	12,190	19,990	26,325	34,125	—	10,305	
	HGLBC		7	10	3⁄8	(2) 3⁄4	26,250	14,220	23,320	30,715	39,815	_	10,305	
	HGLBD		8	10	3⁄8	(2) 3⁄4	30,000	16,250	26,650	35,100	45,500		10,305	

1. Allowable bearing stress for masonry is based on an f'_c of 1,500 psi using the IBC (TMS 402) Allowable Stress Design. Wood bearing is based on an $F_{c\perp}$ of 650 psi.

2. When installing on masonry, use the lesser of the masonry or the wood allowable load values. When installing on

concrete, use a minimum $f'_c = 2,500$ psi and use the wood values as the limiting allowable bearing load values.

3. Allowable horizontal loads are bolt values and include increase for wind or earthquake loading.

Loads must be reduced if stresses in masonry or concrete are limiting.

4. Beams must fully bear on base plate.

5. Specify "W" dimension when ordering.

6. Uplift loads do not apply for this connector.

repa

(typ.)

GLB