

KGLB – Single bolt, bearing only

KGLBT – Double bolt with structural tee provides uplift and horizontal resistance

KHGLB – Double bolt design provides uplift and horizontal resistance

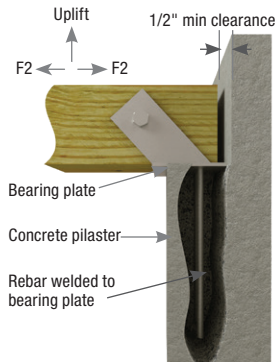
Materials: Flanges – 1/4" steel
 Bearing Plate – See chart for "T" dimension
 Anchor Dowels – 3/4" x 12" rebar

Finish: Primer

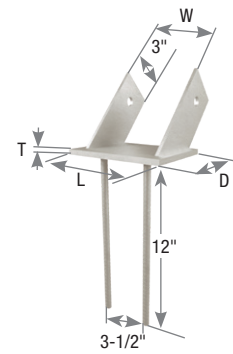
Options: Consult MiTek for non-catalog variations.

Installation:

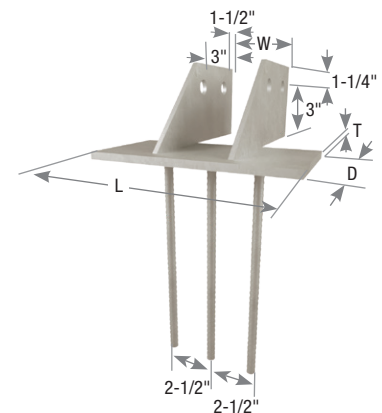
- Use all specified fasteners. See Product Notes, page 18.
- Bolt holes shall be a minimum of 1/32" to a maximum of 1/16" larger than the bolt diameter.
- Concrete or masonry walls must be checked by a design professional for adequacy to resist lateral or uplift loads transferred from the beam seat anchor.



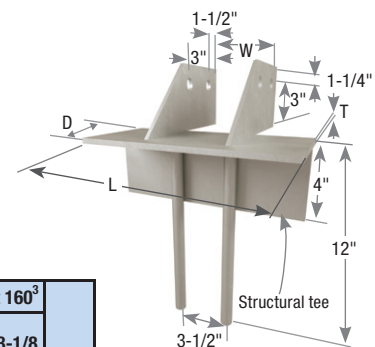
Typical KGLB installation



KGLB



KHGLB



KGLBT

KGLB Load Table

MiTek USP Stock No.	Ref. No.	Dimensions (in)				Bolt Schedule		Allowable Bearing Loads (Lbs.) ^{1,4,5}		Code Ref.
		W	L	T	D	Qty	Dia.	Masonry @ 375 psi ²	Concrete ³	
KGLB5A	GLB5A	5-1/4	7	1/4	5	1	5/8	11790	11790	--
KGLB5B	GLB5B	5-1/4	7	3/8	6	1	5/8	14145	14145	
KGLB5C	GLB5C	5-1/4	7	3/8	7	1	5/8	16505	16505	
KGLB5D	GLB5D	5-1/4	7	3/8	8	1	5/8	18860	18860	
KGLB7A	GLB7A	6-7/8	9	1/4	5	1	3/4	15525	15525	
KGLB7B	GLB7B	6-7/8	9	3/8	6	1	3/4	18630	18630	
KGLB7C	GLB7C	6-7/8	9	3/8	7	1	3/4	21735	21735	
KGLB7D	GLB7D	6-7/8	9	3/8	8	1	3/4	24840	24840	

- 1) Beams must fully bear on plates.
- 2) The loads are based on the bearing value listed times the bearing area equal to W x D. (Note that full bearing plate area is not used.) Bearing loads shall be reduced where limited by wood bearing on the plate.
- 3) The loads on concrete are based on allowable wood bearing stress perpendicular to the grain of 460 psi and actual beam width times beam bearing length.
- 4) Designer shall specify minimum edge and spacing requirements in masonry or concrete structure.
- 5) Concrete or masonry support structure is assumed adequate to support loads listed.

KHGLB / KGLBT Load Table

MiTek USP Stock No.	Ref. No.	Dimensions (in)				Bolt Schedule		Allowable Bearing Loads (Lbs.) ^{1,5}					F ₂ ^{3,4}	Uplift 160 ³	Code Ref.	
		Range W	D	L	T	Qty	Dia.	Masonry @ 375 psi				On Concrete with Beam Width ²				
											5-1/8	6-3/4	8-3/4	10-3/4	160%	Min. 3-1/8 Beam Width (W)
KHGLBA	HGLBA	3-1/4 to 9	5	10	3/8	2	3/4	18750	11790	15525	20125	--	9870	3905	--	
KHGLBB	HGLBB	3-1/4 to 9	6	10	3/8	2	3/4	22500	14145	18630	24150	--	9870	3905		
KHGLBC	HGLBC	3-1/4 to 9	7	10	3/8	2	3/4	26250	16505	21735	28175	--	9870	3905		
KHGLBD	HGLBD	3-1/4 to 9	8	10	3/8	2	3/4	30000	18860	24840	32200	--	9870	3905		
KGLBT512	--	3-1/4 to 11	5-1/4	12	5/16	2	3/4	24750	12965	17080	22140	27200	9870	3905		
KGLBT612	--	3-1/4 to 11	6-1/2	12	3/8	2	3/4	29250	15325	20185	26165	32145	9870	3905		
KGLBT516	--	3-1/4 to 15	5-1/4	16	5/16	2	3/4	27200	12965	17080	22140	27200	9870	3905		
KGLBT616	--	3-1/4 to 15	6-1/2	16	3/8	2	3/4	32145	15325	20185	26165	32145	9870	3905		
KGLBT520	--	3-1/4 to 19	5-1/4	20	5/16	2	3/4	27200	12965	17080	22140	27200	9870	3905		
KGLBT620	--	3-1/4 to 19	6-1/2	20	3/8	2	3/4	32145	15325	20185	26165	32145	9870	3905		

- 1) Beams must fully bear on plates.
- 2) The loads on concrete are based on allowable wood bearing stress perpendicular to the grain of 460 psi and actual beam width times beam bearing length.
- 3) Allowable loads have been increased 60% for wind or seismic loads and are based on bolt in wood values only. Loads assume concrete or masonry structure is adequate to resist loads in those directions.
- 4) Loads must be reduced if the allowable lateral load (F₂) for masonry or concrete column governs.
- 5) Designer shall specify minimum edge and spacing requirements in masonry or concrete structure.