

Supports a glulam beam off of another glulam beam. Refer to the Optional Horizontal Loading Chart for design variations.

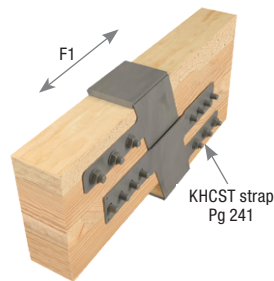
Materials: See chart

Finish: Primer

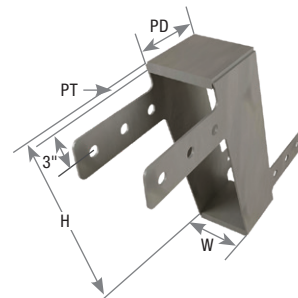
Codes: IBC, FL, LA

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- To allow for wood shrinkage, position bolts in slots away from the bearing seat.
- For dapped beams, reduce the “H” dimension by the “PT” dimension for each dap.



Typical KHC installation



KHC3

Optional Horizontal Loading Chart

MITek USP Stock No. Prefix	Ref. No.	Min. H ³ (in)	Rotation Bolts ² /Beam		Seismic Bolts ²		DF/SP Allowable Loads (Lbs.) ¹
			Qty	Dia (in)	Qty	Dia (in)	
			F1 160%				
* KHC	HCA	8	2	3/4	--	--	--
* KHC2T	--	9	2	3/4	2	3/4	--
KHC2CT	--	12	2	3/4	2	3/4	9445
KHCCT	HCCTA	12	2	3/4	3	3/4	14170
KHC4CT	--	12	2	3/4	4	3/4	18895
* KHC3	HC3A	8	3	3/4	--	--	--
* KHC3T	--	9	3	3/4	2	3/4	--
KHC2C3T	--	12	3	3/4	3	3/4	9445
KHCC3T	--	12	3	3/4	3	3/4	14170
KHC4C3T	HC4C3TA	12	3	3/4	4	3/4	18895

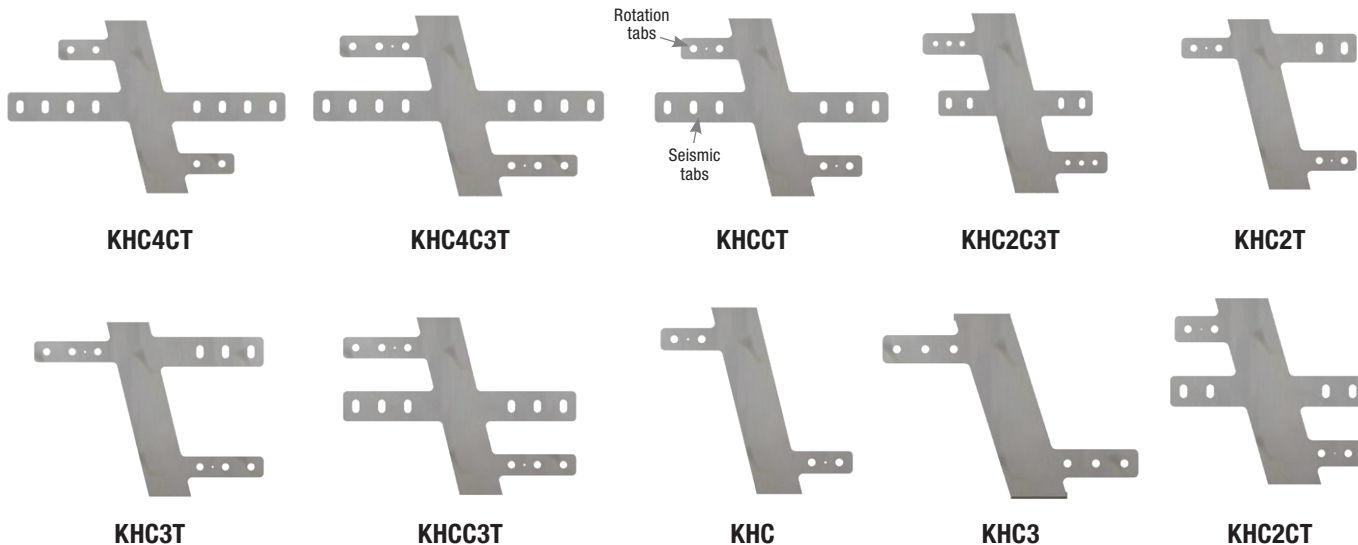


KHC3 side view



KHC3 top view

- 1) Loads are based on a 5-1/8" width Douglas-Fir Larch beam.
 - 2) All bolts are 3/4", and shall meet or exceed the specifications of ASTM A 307.
 - 3) Minimum H may be less than H required for listed loads; in which case, load reductions are required.
- * When used with optional KHCST Seismic Strap, the minimum H is 12".



Continued on next page

Allowable Download Chart

Beam Width (in)	MiTek USP Stock No. Suffix	Ref. No.	Steel Gauge	Dimensions (in)			(2) Rotation Bolts ³ Per Beam			(3) Rotation Bolts ³ Per Beam			Code Ref.
				W	PD	PT	H ² (in)	DF/SP Allowable Loads (Lbs.) ¹		H ² (in)	DF/SP Allowable Loads (Lbs.) ¹		
								410 psi	560 psi		410 psi	560 psi	
5-1/8	55	HCA5-5	7	5-1/4	5	3/4	17-1/2	10505	14350	14	10505	14350	IBC, FL, LA
	56	HCA5-6	7	5-1/4	6	3/4	22-3/4	12610	17220	17-1/2	12610	17220	
	57	HCA5-7	7	5-1/4	7	3/4	28-3/4	14710	20090	21-3/4	14710	20090	
	59	HCA5-9	7	5-1/4	9	3/4	43-1/2	18910	25830	32	18910	25830	
6-3/4	75	HCA7-5	7	6-7/8	5	1	20-3/4	13840	18900	16	13840	18900	
	76	HCA7-6	7	6-7/8	6	1	27-1/2	16605	22680	20-3/4	16605	22680	
	77	HCA7-7	7	6-7/8	7	1	35-1/2	19375	26460	26-1/4	19375	26460	
	79	HCA7-9	7	6-7/8	9	1	55	24910	34020	40	24910	34020	
8-3/4	95	HCA9-5	7	8-7/8	5	1-1/4	24-3/4	17940	24500	18-3/4	17940	24500	
	96	HCA9-6	7	8-7/8	6	1-1/4	33-1/2	21525	29400	24-3/4	21525	29400	
	97	HCA9-7	7	8-7/8	7	1-1/4	43-3/4	25115	34300	32	25115	34300	
	99	HCA9-9	7	8-7/8	9	1-1/4	69-1/4	32290	44100	49-3/4	32290	44100	
10-3/4	115	HCA11-5	3	10-7/8	5	1-1/2	27-1/4	22040	30100	20-1/4	22040	30100	
	116	HCA11-6	3	10-7/8	6	1-1/2	37-1/4	26445	36120	27	26445	36120	
	117	HCA11-7	3	10-7/8	7	1-1/2	49-1/4	30855	42140	35-1/4	30855	42140	
	119	HCA11-9	3	10-7/8	9	1-1/2	78-1/4	39670	54180	55-1/4	39670	54180	

- 1) Allowable loads shall not be further increased for duration.
- 2) The minimum height is for loads shown. For heights less than the minimum shown reduce the allowable loads in direct proportion.
- 3) All bolts are 3/4", and shall meet or exceed the specifications of ASTM A 307.

KHCST / KHCSTR Seismic Straps

Seismic straps can be installed during construction or added as a retrofit item.

Materials: See chart

Finish: Primer

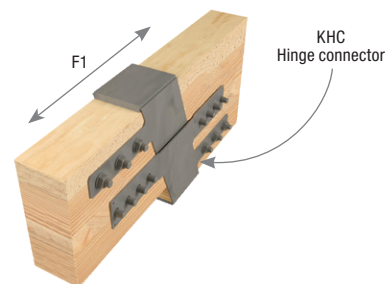
Codes: IBC, FL, LA

Installation:

- Use all specified fasteners. See Product Notes, page 18.

MiTek USP Stock No. ³	Ref. No.	Steel Gauge	Dimensions (in)		Bolt Schedule		DF/SP Allowable Loads (Lbs.) ^{1,2}	Code Ref.
			W	L	Qty	Dia (in)		
							F1 160%	
KHCST2	--	7	3-1/2	25-5/8	4	3/4	10075	IBC, FL, LA
KHCSTR2	HCSTR2							
KHCST3	--	7	3-1/2	31-5/8	6	3/4	14685	
KHCSTR3	HCSTR3							
KHCST4	--	3	3-1/2	37-5/8	8	3/4	20145	
KHCSTR4	HCSTR4							

- 1) Allowable loads are for straps used in pairs, and are increased 60% for wind or seismic loads; no further increase shall be permitted.
- 2) Loads are based on a 5-1/8" width Douglas-Fir-Larch beam.
- 3) Seismic straps shall be used with the KHC hinge connectors.



Typical KHCST installation



KHCST