

Provides high structural capacity and installs with bolts providing an architectural appearance.

**Materials:** See chart

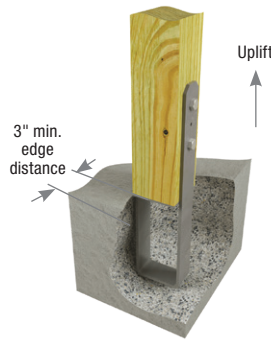
**Finish:** KCB (5/8" bolt models) – G90 galvanizing;  
KCB (3/4" bolt models) – Primer

**Options:** KCB models available in rough/full size.  
See chart for Corrosion Finish Options

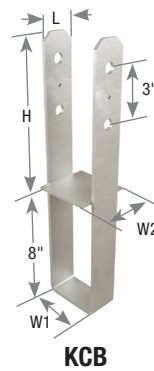
**Codes:** IRC R407.3, IBC 2304.10.7

**Installation:**

- Use all specified fasteners. See Product Notes, page 18.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These bases are not designed to resist overturning (moment) loads.**
- Maintain 3" minimum edge distance between post and edge of concrete.
- KCB column bases feature diamond holes for temporary nail fastening to facilitate drilling and bolting.
- Embed column base with bottom of base plate flush to concrete.



Typical KCB installation



KCB

Column Size	MiTek USP Stock No.	Ref. No.	Steel Gauge		Dimensions (in)				Fastener Schedule <sup>2</sup>		DF/SP Allowable Loads (Lbs.) <sup>3</sup>				Corrosion Finish	Code Ref.
			Strap	Base	W1	W2	H	L	Bolts		Uncracked Concrete		Cracked Concrete			
									Qty	Type	Uplift 160% <sup>1</sup>		Uplift 160% <sup>1</sup>			
4 x 4	KCB44	CB44	7	7	3-9/16	3-9/16	8-7/8	2	2	5/8	5525	5100	4165	3570		
4 x 6	KCB46	CB46	7	7	3-9/16	5-1/2	8-7/8	2	2	5/8	5525	5100	4165	3570		
4 x 8	KCB48	CB48	7	7	3-9/16	7-1/2	8-7/8	2	2	5/8	5525	5100	4165	3570		
6 x 4	KCB64	CB64	7	7	5-1/2	3-1/2	8-7/8	3	2	5/8	6700	6465	5280	4525		
6 x 6	KCB66	CB66	7	7	5-1/2	5-1/2	8-7/8	3	2	5/8	6700	6465	5280	4525		
6 x 8	KCB68	CB68	7	7	5-1/2	7-1/2	8-7/8	3	2	5/8	6700	6465	5280	4525		
6 x 10	KCB610	CB610	7	7	5-1/2	9-1/2	8-7/8	3	2	5/8	6700	6465	5280	4525		
7 x 3-1/2	KCB74	CB7-1/8-4	3	7	7-1/8	3-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		--
7 x 5-1/2	KCB76	CB7-1/8-6	3	7	7-1/8	5-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
7 x 7	KCB77	CB7-1/8-7	3	7	7-1/8	7-1/8	9-3/4	3	2	3/4	6700	6465	5280	4525		
8 x 6	KCB86	CB86	3	7	7-1/2	5-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
8 x 8	KCB88	CB88	3	7	7-1/2	7-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
10 x 10	KCB1010	CB1010	3	7	9-1/2	9-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
10 x 12	KCB1012	CB1012	3	7	9-1/2	11-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
12 x 12	KCB1212	CB1212	3	7	11-1/2	11-1/2	9-3/4	3	2	3/4	6700	6465	5280	4525		
<b>Glulam Sizes</b>																
5-1/8 glulam	KCB5	CB5-4.5, CB5-6	3	7	5-1/4	specify	9-3/4	3	2	3/4	6700	6465	5280	4525		
6-3/4 glulam	KCB7	CB7-6, CB7-7.5, CB7-9, CB7-10.5	3	7	6-7/8	specify	9-3/4	3	2	3/4	6700	6465	5280	4525		--
8-3/4 glulam	KCB9	CB9-6, CB9-7.5, CB9-9, CB9-10.5	3	7	8-7/8	specify	9-3/4	3	2	3/4	6700	6465	5280	4525		

1) Uplift Loads have been increased 60% for wind and seismic loads, no further increase shall be permitted.  
2) All bolts shall meet or exceed the specifications of ASTM A 307.  
3) Concrete compressive strength shall be 2,500 psi or greater at 28 days.

**Corrosion Finish** ■ Stainless Steel ■ Gold Coat ■ HDG ■ Triple Zinc

High capacity column base fastens to column with MiTek's WS structural wood screws.

**Materials:** 10 gauge

**Finish:** G90 galvanizing

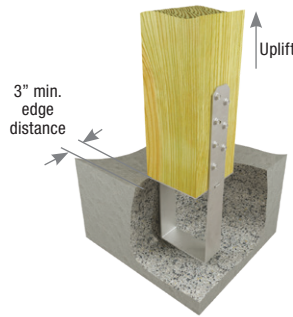
**Options:** KCBQ models available in rough/full sizes

See chart for Corrosion Finish Options

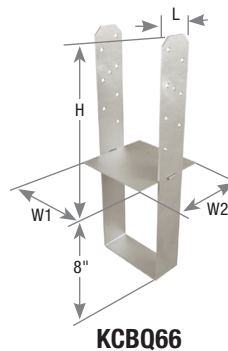
**Codes:** IRC R407.3, IBC 2304.10.7

**Installation:**

- Use all specified fasteners. See Product Notes, page 18.
- MiTek's WS2 structural wood screws, 1/4" dia. x 2" long, are supplied with KCBQ Column Bases.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These bases are not designed to resist overturning (moment) loads.**
- Maintain 3" minimum edge distance between post and edge of concrete.
- Embed column base with bottom of base plate flush to concrete.



Typical KCBQ66 installation



Column Size	MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)				Fastener Schedule <sup>2</sup>		DF/SP Allowable Loads (Lbs.) <sup>3</sup>				Corrosion Finish	Code Ref.
				W1	W2 <sup>4</sup>	H	L	Qty	Type	Uncracked Concrete		Cracked Concrete			
										Uplift 160% <sup>1</sup>		Uplift 160% <sup>1</sup>			
								SDC A & B	SDC C-F	SDC A & B	SDC C-F				
4 x 4	KCBQ44	--	10	3-9/16	3-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
4 x 6	KCBQ46	--	10	3-9/16	5-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
4 x 8	KCBQ48	--	10	3-9/16	7-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
6 x 4	KCBQ64	--	10	5-1/2	3-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
6 x 6	KCBQ66	--	10	5-1/2	5-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
6 x 8	KCBQ68	--	10	5-1/2	7-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
7-1/8 x 3-1/2	KCBQ71-4	--	10	7-1/8	3-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		--
7-1/8 x 5-1/2	KCBQ71-6	--	10	7-1/8	5-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		--
7-1/8 x 7-1/8	KCBQ71-7	--	10	7-1/8	7-1/8	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		--
8 x 6	KCBQ86	--	10	7-1/2	5-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
8 x 8	KCBQ88	--	10	7-1/2	7-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
10 x 10	KCBQ1010	--	10	9-1/2	9-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
10 x 12	KCBQ1012	--	10	9-1/2	11-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
12 x 12	KCBQ1212	--	10	11-1/2	11-1/2	8-3/4	2-1/4	14	WS2	6870	6530	5330	4570		
Glulam Sizes															
5-1/8 glulam	KCBQ5	--	10	5-1/4	Specify	8-3/4	2	14	WS2	6870	6530	5330	4570		
6-3/4 glulam	KCBQ7	--	10	6-7/8	Specify	8-3/4	2	14	WS2	6870	6530	5330	4570		--
8-3/4 glulam	KCBQ9	--	10	8-7/8	Specify	8-3/4	2	14	WS2	6870	6530	5330	4570		

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
 2) MiTek's WS2 structural wood screws are 1/4" dia. x 2" long and are included with KCBQ Column Bases.  
 3) Concrete compressive strength shall be 2,500 psi or greater at 28 days.  
 4) "Specify" denotes the required width that must be specified at the time of ordering.

**Corrosion Finish** ■ Stainless Steel ■ Gold Coat ■ HDG ■ Triple Zinc

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Caps & Bases

12 gauge base for carports, patios, or other residential framing.

**Materials:** 12 gauge

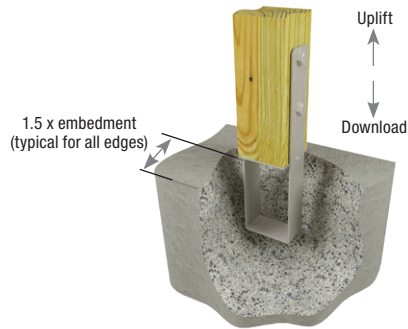
**Finish:** G90 galvanizing

**Codes:** IBC, FL, LA

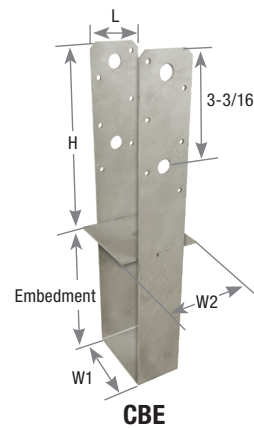
IRC R407.3, IBC 2304.10.7

**Installation:**

- Use all specified fasteners. See Product Notes, page 18.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These bases are not designed to resist overturning (moment) loads.**
- Embed column base with bottom of base plate flush to concrete.



Typical CBE installation



CBE

Column Size	MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)					Fastener Schedule <sup>2,6</sup>		DF/SP Allowable Loads (Lbs.) <sup>3,4</sup>				Code Ref.	
				W1	W2	H	L	Embedment <sup>5</sup>	Qty	Type	Download 100%	Uncracked Concrete		Cracked Concrete		
												Uplift 160% <sup>1</sup>		Uplift 160% <sup>1</sup>		
SDC A & B		SDC C-F		SDC A & B		SDC C-F										
4 x 4	CBE44	--	12	3-9/16	3-1/2	7-1/2	2	6-1/2	12	16d	16835	2975	2975	2975	2770	IBC, FL, LA
									2	1/2		4090	3605	3160		
4 x 6	CBE46	--	12	3-9/16	5-1/2	7-1/2	2	6-1/2	12	16d	26450	2975	2975	2975	2770	
									2	1/2		4090	3605	3160		
6 x 6	CBE66	--	12	5-1/2	5-1/2	7-1/2	2	5-1/2	12	16d	30250	2975	2975	2975	2770	
									2	1/2		4090	3605	3160		

- 1) Uplift Loads have been increased 60% for wind and seismic loads, no further increase shall be permitted.
- 2) All bolts shall meet or exceed the specifications of ASTM A 307.
- 3) Concrete compressive strength shall be 2,500 psi or greater at 28 days.
- 4) Allowable loads are based on the use of either nails or bolts; nail and bolt values cannot be combined.
- 5) CBE column base shall be embedded into concrete up to this depth.
- 6) **NAILS:** 16d nails are 0.162" dia. x 3-1/2" long.

These column bases install using MiTek's WS2-EXT structural wood screws, reducing installation time and cost. Designed for high uplift in high wind or seismic applications. Includes a stand-off plate to protect the wood from ground contact moisture as required by building code.

**Materials:** See chart

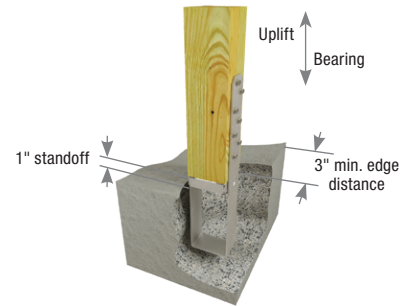
**Finish:** G-185 galvanizing

**Options:** See chart for Corrosion Finish Options

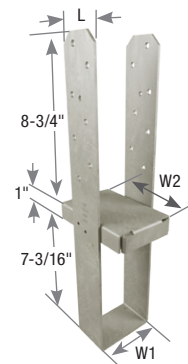
**Codes:** IRC R317.1.4, IBC 2304.12.2.2, IRC R407.3, IBC 2304.10.7

**Installation:**

- Use all specified fasteners. See Product Notes, page 18.
- MiTek's WS2-EXT structural wood screws, 1/4" dia. x 2" long, are supplied with CBSQ Bases.
- Maintain 3" minimum edge distance between post and edge of concrete.
- Embed the column base until the concrete surface meets the bottom edge of the stand-off plate.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These bases are not designed to resist overturning (moment) loads.**



Typical CBSQ44-TZ installation



CBSQ46-TZ

Column Size	MiTek USP Stock No.	Ref. No.	Steel Gauge		Dimensions (in)				Fastener Schedule <sup>2</sup>		DF/SP Allowable Loads (Lbs.) <sup>3</sup>				Corrosion	Finish	Code Ref.
			Strap	Base	W1	W2	L	Embed <sup>4</sup>	Qty	Wood Screws	Uncracked Concrete		Cracked Concrete				
											Download 100%	Uplift 160% <sup>1</sup>	Download 100%	Uplift 160% <sup>1</sup>			
<b>SDC A &amp; B</b>																	
4 x 4	CBSQ44-TZ	CBSQ44-SDS2	10	16	3-9/16	3-1/2	2-1/4	7-3/16	14	WS2-EXT	11950	5955	11950	4165			
4 x 6	CBSQ46-TZ	CBSQ46-SDS2	10	12	3-9/16	5-7/16	2-1/4	7-3/16	14	WS2-EXT	11955	5955	11955	4165			--
6 x 6	CBSQ66-TZ	CBSQ66-SDS2	10	12	5-1/2	5-7/16	3	7-3/16	14	WS2-EXT	11955	6870	11955	5280			
<b>SDC C-F</b>																	
4 x 4	CBSQ44-TZ	CBSQ44-SDS2	10	16	3-9/16	3-1/2	2-1/4	7-3/16	14	WS2-EXT	11950	5100	11950	3570			
4 x 6	CBSQ46-TZ	CBSQ46-SDS2	10	12	3-9/16	5-7/16	2-1/4	7-3/16	14	WS2-EXT	11955	5100	11955	3570			--
6 x 6	CBSQ66-TZ	CBSQ66-SDS2	10	12	5-1/2	5-7/16	3	7-3/16	14	WS2-EXT	11955	6465	11955	4525			

1) Uplift loads have been increased 60% for wind and seismic loads, no further increase shall be permitted.  
 2) MiTek's WS2-EXT structural wood screws are 1/4" dia. x 2" long and are included with CBSQ Column Bases.  
 3) Concrete compressive strength shall be 2,500 psi or greater at 28 days.  
 4) The CBSQ shall be embedded into concrete up to specified depth. The minimum side cover is 3".

**Corrosion Finish** ■ Stainless Steel ■ Gold Coat ■ HDG ■ Triple Zinc

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