

The EPB44T-TZ Elevated Post Base is an economical solution for supporting 4x4 posts at the minimum 1 inch above the concrete foundation as required by the building code. For applications where uplift loads are not present, the EPB44T-TZ can be installed directly into a hole predrilled in a pier block or concrete foundation as shown in Figure A below. To resist uplift loading, the EPB44T-TZ must be cast into concrete or epoxied into place as shown in Figure B below.

Materials: 12 gauge

Finish: G-185 galvanizing U-bracket; Hot-dip galvanized threaded rod, nuts, washers

Codes: IBC, FL, LA

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- **Drilled Hole – No Uplift Resistance**
 - Drill 5/8" diameter hole into cured concrete 4" deep.
 - Insert threaded rod of EPB44T-TZ into hole and adjust nut to desired height.
 - Install 4x4 post and fasten with (8) 10d common nails.
- **Embedded In Concrete – Uplift Resistance Installation**
 - Adjust nut for desired height.
 - Insert threaded rod with nut and washer into wet concrete.
 - Provide temporary support to post base (if needed) to maintain vertical and horizontal position.
 - After concrete has cured, install 4x4 post and fasten with (8) 10d common nails.
- **Epoxied Into Place – Uplift Resistance Installation**
 - Drill 3/4" diameter hole into cured concrete 4" deep.
 - Clean hole as per MiTek's recommendations.
 - Adjust nut for desired height.
 - Fill the hole 3/4 full with MiTek Epoxy. Visit MiTek-US.com for proper installation procedures and injection of MiTek epoxy products.
 - Insert threaded rod with nut and washer into hole, pressing down until the washer is firmly seated on the concrete.
 - After epoxy has cured, install 4x4 post and fasten with (8) 10d common nails.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These anchors are not designed to resist overturning (moment) loads.**

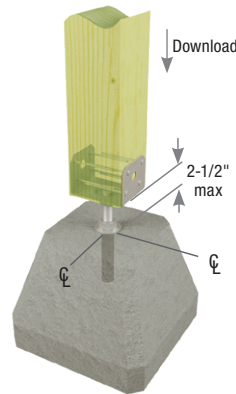
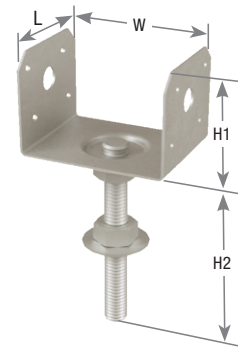


Figure A

Typical EPB44T-TZ pier block installation



EPB44T-TZ

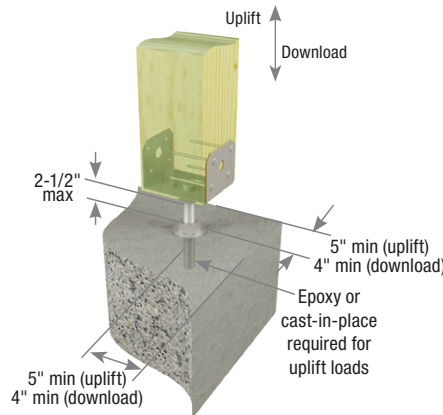


Figure B

Typical EPB44T-TZ installation with MiTek's Epoxy

Post Size	MiTek USP Stock No.	Ref. No.	Steel Gauge (U-bracket)	Dimensions (in)				Wood Post Size	Fastener Schedule ³		Installation Type ^{6,7}	DF/SP Allowable Loads (Lbs.) ^{1,5}			Corrosion Finish	Code Ref.
				W	L	H1	H2		Qty	Type		Uncracked Concrete ⁵	Cracked & Uncracked Concrete ⁵			
													SDC A & B	SDC A & B		
												Uplift 160% ^{2,3}		Download 100% ⁴		
4x4	EPB44T-TZ	--	12	3-9/16	2-7/8	2-7/16	4-7/8	4x4	8	10d	Pier Block	--	5525	5525	IBC, FL, LA	
											Embedded	790	5525	5525		
											Epoxy	790	5525	5525		

1) Allowable loads are based on a maximum distance of 2-1/2" between the concrete foundation and the bottom of the post base.
 2) Uplift loads have been increased 60% for wind and seismic loads; no further increase shall be permitted.
 3) Uplift capacity requires the post base to be cast-in-place or epoxy post-installed in a concrete member capable of resisting the upward force.
 4) Download is based on the bearing of the wood in the post base and the bearing of the washer on the concrete.
 5) Minimum concrete strength f'c = 2,500 psi.
 6) Pier Block installation, drill a 5/8" diameter hole a minimum of 4" deep.
 7) Epoxy installation, drill a 3/4" diameter hole a minimum of 4" deep. Follow published epoxy installation instructions available at MiTek-US.com.
 8) **NAILS:** 10d nails are 0.148" dia. x 3" long.

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

These post bases allow installers to pre-align posts and preset post heights above concrete floors or footings. By eliminating post-to-concrete contact, moisture damage is reduced. Elevated post bases are ideal for building carports, decks or porches. All series feature convenient nail fastening to post.

Materials: See chart

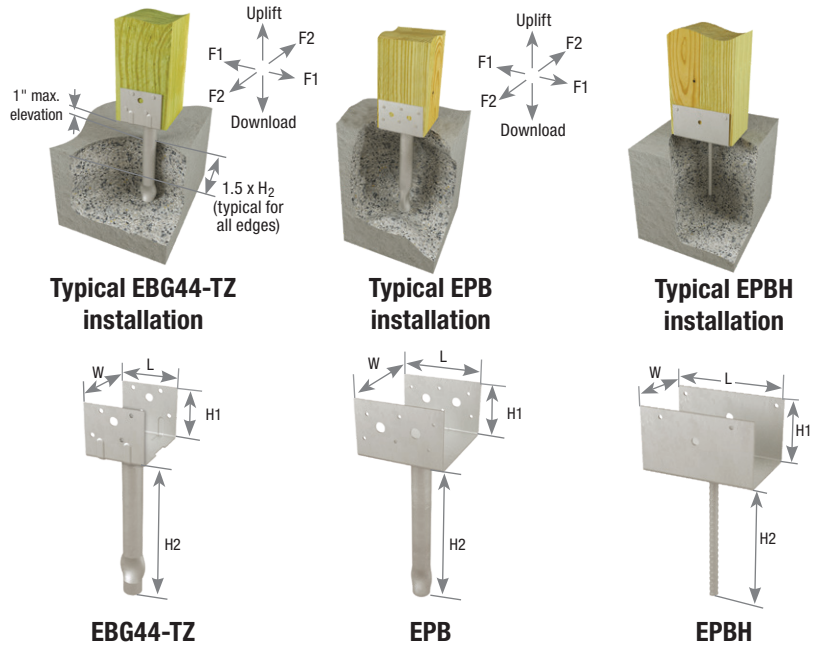
Finish: EPB – Primer;
EBG44-TZ – G-185 galvanizing;
EPBH – Hot-dip galvanized

Options: See chart for Corrosion Finish Options

Codes: See chart for code references
IRC R317.1.4, IRC 2304.11.2.7, IRC R407.3, IRC 2304.9.7.

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- **Not recommended for fence post or other fixed post applications. These anchors are not designed to resist overturning (moment) loads.**



Post Size	MiTek USP Stock No.	Ref. No.	Steel Gauge		Dimensions (in)				Fastener Schedule ⁴		DF/SP Allowable Loads (Lbs.) ³						Corrosion Finish	Code Ref.	
			Base	Tube	W	L	H1	H2	Qty	Nail	Download 100%	Uncracked Concrete			Cracked Concrete				
												Uplift ² 160%	F1 ¹ 160%	F2 ¹ 160%	Uplift ² 160%	F1 ¹ 160%			F2 ¹ 160%
SDC A & B																			
4 x 4	EBG44-TZ	EPB44A	14	16	3-9/16	2-3/4	2-3/8	7-1/2	8	16d HDG	4615	1085	1440	1295	800	1010	905	IBC, FL, LA	
	EPB4408	EPB44, EPB44-12	12	--	3-9/16	3	3	8	8	16d	3045	1110	1440	1295	775	1010	905	--	
	EPBH44	--	12	--	3-1/2	3-3/8	2-3/4	7	4	16d HDG	2485	990	990	975	990	845	845	--	
4 x 6	EPB4608	EPB46, EPB46-12	12	--	3-9/16	5	3	8	12	16d	3045	1110	1440	1295	775	1010	905	IBC, FL, LA	
4 x 6 Rough	EPBH46R	--	12	--	4-1/8	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	845	845	--	
6 x 6	EPB6608	EPB66, EPB66-12	12	--	5-9/16	5	3-3/16	8	12	16d	4665	1110	1440	1295	775	1010	905	IBC, FL, LA	
	EPBH66	--	12	--	5-1/2	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	845	845	--	
6 x 6 Rough	EPBH66R	--	12	--	6-1/8	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	845	845	--	
SDC C-F																			
4 x 4	EBG44-TZ	EPB44A	14	16	3-9/16	2-3/4	2-3/8	7-1/2	8	16d HDG	4615	1000	1260	1135	700	885	795	IBC, FL, LA	
	EPB4408	EPB44, EPB44-12	12	--	3-9/16	3	3	8	8	16d	3045	970	1260	1135	680	885	795	--	
	EPBH44	--	12	--	3-1/2	3-3/8	2-3/4	7	4	16d HDG	2485	990	990	975	990	725	725	--	
4 x 6	EPB4608	EPB46, EPB46-12	12	--	3-9/16	5	3	8	12	16d	3045	970	1260	1135	680	885	795	IBC, FL, LA	
4 x 6 Rough	EPBH46R	--	12	--	4-1/8	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	725	725	--	
6 x 6	EPB6608	EPB66, EPB66-12	12	--	5-9/16	5	3-3/16	8	12	16d	4665	970	1260	1135	680	885	795	IBC, FL, LA	
	EPBH66	--	12	--	5-1/2	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	725	725	--	
6 x 6 Rough	EPBH66R	--	12	--	6-1/8	5-3/8	3	7	4	16d HDG	4615	990	990	975	990	725	725	--	

1) Lateral loads (F1 and F2) are for conditions where pipe extends no more than 1" above the concrete surface.
 2) Uplift Loads have been increased 60% for wind and seismic loads; no further increase shall be permitted.
 3) Concrete compressive strength shall be 2,500 psi or greater at 28 days.
 4) **NAILS:** 16d nails are 0.162" dia. x 3-1/2" long.

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

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Caps & Bases

The CPB is made of corrosion resistant composite material compatible with preservative treated lumber. Provides code required 1" stand-off and can be used with rough lumber sizes.

Materials: High Strength composite

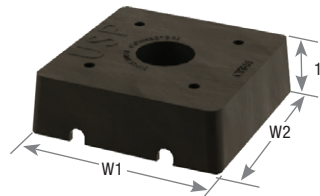
Codes: IRC R317.1.4, IBC 2304.12.2.2, IRC R407.3, IBC 2304.10.7

Installation:

- Attach base to post with (4) 10d HDG nails.
- Attach post to concrete using 1/2" diameter rod into concrete and extend into wood member.
- **Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These anchors are not designed to resist overturning (moment) loads.**



Typical CPB installation



CPB

Post Size	MiTek USP Stock No.	Ref. No.	Dimensions (in)		Bottom Surface Bearing Area	Fastener Schedule ⁵		Post Base Allowable Capacity ^{1,2}	Concrete Design Bearing Strength ^{3,4}	Code Ref.
			W1	W2		Qty	Type			
4 x 4	CPB44	CPS4	3-1/4	3-1/4	2.2	4	10d HDG	5235	6545	PC
4 x 6	CPB46	CPS46	3-5/16	5-5/16	3.3	4	10d HDG	6810	9820	
5 x 5	CPB55	CPS5	4-1/8	4-1/8	3.0	4	10d HDG	6295	8925	
6 x 6	CPB66	CPS6	5-5/16	5-5/16	3.9	4	10d HDG	8570	11600	
8 x 8	CPB88	CPS7	7-1/4	7-1/4	6.4	4	10d HDG	12490	19040	

- 1) Loads shall not be increased for short-term loading.
- 2) Loads require a minimum 650 psi wood compressive strength.
- 3) Concrete Design Bearing Strength = $\phi (0.85 f'_c A_1)$ with $f'_c = 2,500$ psi. ACI 318-14, Section 22.8.3.
- 4) Design Bearing Strength has been increased assuming $(A_2 / A_1)^{0.5}$ per ACI 318-14, Section 22.8.3.
- 5) **NAILS:** 10d nails are 0.148" dia. x 3" long.