



CONCEALED POST BASES

CPBQ series

CPBQ post anchors discreetly secure wood posts to concrete footings allowing the beauty of the wood to shine through in a true architectural design.

The innovative mesh design simplifies installation by allowing screws to be installed in a larger target area. Precise drilling for pins and bolts is not needed, making installation much easier.

These post anchors provide protection against moisture damage by featuring a powder-coated 1-inch stand-off plate that elevates untreated wood posts above concrete surfaces, as mandated by building codes.

The CPBQ post anchors are available in models that accommodate nominal and rough-cut lumber posts in sizes 4x4, 6x6, and 8x8.

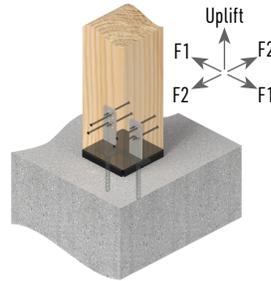
Materials: 12 gauge

Finish: G-185 galvanizing

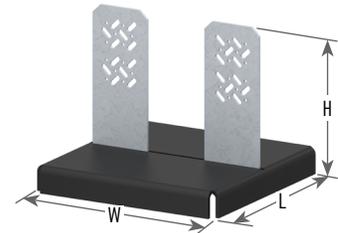
Codes: ESR-5695 (IBC & IRC, LABC & LARC),
FL47554 (FBC w/HVHZ)

Installation: (Page 2)

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.



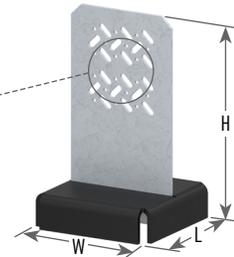
Typical CPBQ88-TZ installation



CPBQ88-TZ
(CPBQ66-TZ similar)



Innovative Mesh Design



CPBQ44-TZ

Post Size	MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Fastener Schedule				D Fir-L Factored Resistance				S-P-F Factored Resistance				Ctn Qty			
				W	H	L	Min/Max	Anchor Bolt		Wood Screws ²	Unit	Download 100%	Uplift 115% ¹	F1 115% ¹	F2 115% ¹	Download 100%	Uplift 115% ¹	F1 115% ¹		F2 115% ¹		
								Qty	Type												Qty	
4 x 4	CPBQ44-TZ	CPT44Z	12	3-1/2	6-1/8	3-1/2	Min	2	1/2	4	CCWS3	Lbs	16785	2810	1530	825	15560	2600	1415	815	10	
							kN	74.66	12.50	6.81	3.67	69.21	11.57	6.29	3.63							
6 x 6	CPBQ66-TZ	CPT66Z	12	5-1/2	6-1/8	5-1/2	Max	2	1/2	8	CCWS3	Lbs	16785	4070	1530	990	15560	3765	1415	980		8
							kN	74.66	18.10	6.81	4.40	69.21	16.75	6.29	4.36							
8 x 8	CPBQ88-TZ	CPT88Z	12	7-1/4	6-1/8	7-1/4	Min	2	1/2	8	CCWS45	Lbs	30990	6020	2870	1790	32920	5415	2655	1765	6	
							kN	137.85	26.78	12.77	7.96	103.62	24.78	11.81	7.85							
8 x 8	CPBQ88-TZ	CPT88Z	12	7-1/4	6-1/8	7-1/4	Max	2	1/2	8	CCWS45	Lbs	35515	5850	2870	1790	32920	5415	2655	1765		6
							kN	157.98	26.02	12.77	7.96	146.44	24.09	11.81	7.85							

1) Factored uplift and lateral resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.

2) MiTek's CCWS structural wood screws are supplied with each connector; CCWS3 screws are 1/4" dia. x 3" long and CCWS45 screws are 1/4" dia. x 4-1/2" long.

3) Designer must specify anchor bolt type, length, and embedment.

4) Anchorage to concrete or masonry is outside the scope of the values shown. Factored resistance may be limited by anchorage design.

5) **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.**

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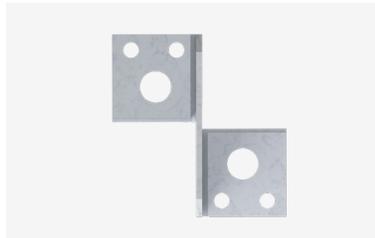
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CPBQ series

Installation:



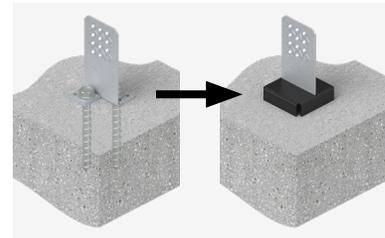
1. MARK BASE MATERIAL

→ Mark the location of the two large holes for either mechanical or chemical anchoring, or use the four smaller holes for concrete screws.



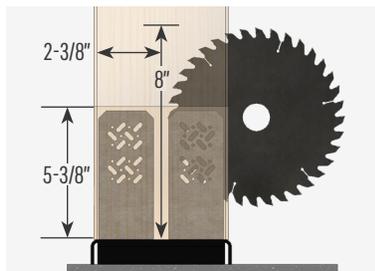
2. INSTALL ANCHORS

→ Washers should be used for all concrete anchors.
 → Anchors to be designed by others and installed per manufacturers specifications.
Loads may be limited by the manufacturer's anchorage.



3. ASSEMBLE STAND-OFF PLATE

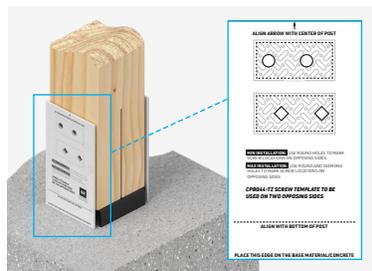
→ Slide stand-off plate over the knife plate and let it rest on the concrete.



4. CUT AND INSTALL POST

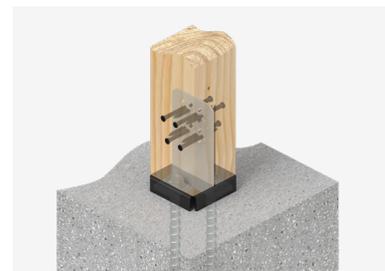
→ 1/8" wide cut
 → 5-3/8" from the end of the post
 → 8" from the bottom of a post for a 7-1/4" circular saw
 → 2-3/8" deep on the 6x6 and 8x8 models, through fully for CPBQ44-TZ.

Image shows CPBQ66-TZ (CPBQ88-TZ Similar)



5. USE TEMPLATE

→ Align template with the center of the post and rest on the main member.
 → Mark screw locations onto post.



6. INSTALL SCREWS

→ Predrilling recommended with 5/32" bit, up to but not through knife plate.
 → Drive CCWS3 screws with a T25* bit from each side.
 → The mesh design in the knife plate will grab the screw, locking the post into place and resisting uplift and lateral loads.

*T25 is a trademark of Acument