

CONCEALED JOIST HANGERS

CJHQ series

CJHQ concealed joist hangers discreetly secure wood joists to posts and beams. These innovative hangers use a new installation method and provide a hidden structural connection for a clean look in architectural applications.

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

CJHQ joist hangers come in models suitable for 4x6, 4x8, 4x10, and 4x12 nominal and rough-cut lumber joists and may be installed in pairs in 6x members.

Materials: 12 gauge

Finish: G-185 galvanizing

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

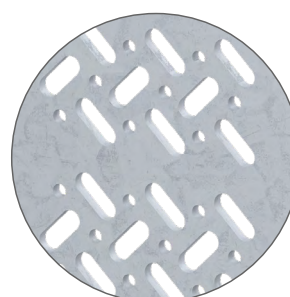
Installation: (Page 2)



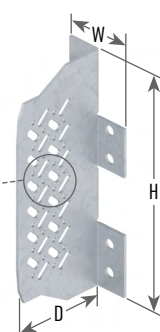
**Typical CJHQ8-TZ
single installation**



**Typical CJHQ8-TZ
double installation**



**Innovative
Mesh Design**



CJHQ

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Qty of CJHQs ³	Recommended Joist Size	Fastener Schedule ²				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Ctn Qty
			W	H	D			Header		Joist		Floor	Roof	Uplift ¹	Floor	Roof	Uplift ¹			
CJHQ6-TZ	CJT3Z	12	1-13/16	5-7/16	2-3/4	1	4x 6	6	CCWS3	6	CCWS3	1775	2040	2090	2090	1435	1650	1650	1650	6
						2	6 x 8	12		10		2955	2955	2955	2955	2330	2330	2330	2330	6
CJHQ8-TZ	CJT4Z	12	1-13/16	6-7/16	2-3/4	1	4 x 8	8	CCWS3	8	CCWS3	2370	2725	2960	3040	1915	2205	2395	2405	6
						2	6 x 8	16		12		3550	4085	4440	4580	2875	3305	3590	3620	6
CJHQ10-TZ	CJT5Z	12	1-13/16	8-7/16	2-3/4	1	4 x 10	10	CCWS3	10	CCWS3	2960	3405	3700	4415	2395	2755	2995	3495	6
						2	6 x 10	20		16		4735	5445	5920	6025	3830	4405	4770	4770	6
CJHQ12-TZ	CJT6Z	12	1-13/16	9-7/16	2-3/4	1	4 x 12	12	CCWS3	12	CCWS3	4750	5285	5285	5285	4080	4205	4205	4205	6
	HCJTZ					2	6 x 12	24		18		8065	8275	8275	8275	6525	6580	6580	6580	

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) MiTek's CCWS3 (1/4" dia. x 3" long) structural wood screws are included with CJHQ joist hangers.

3) Maximum joist width for a standard single installation is 4".

Phone: 1-800-328-5934 | Fax: 1-952-898-8605 | Email: customerservice@mii.com | MiTek-US.com

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CONCEALED JOIST HANGERS

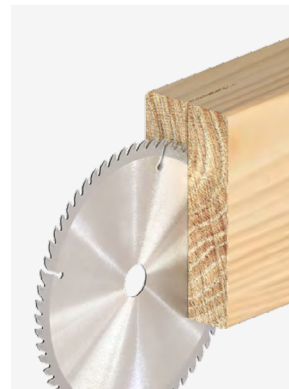
CJHQ series

Installation:



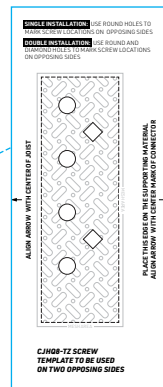
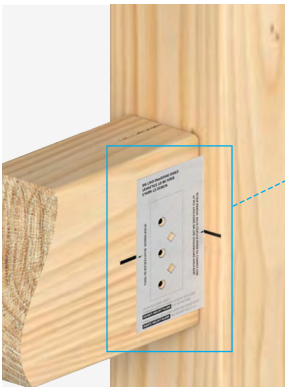
1. ATTACH HANGER TO SUPPORTING MEMBER

- Place hanger onto the main member in the location of the joist. Check for plumb.
- Center of hanger will align in center of carried joist.
- Install CCWS3 into main member through holes in connector.



2. CUT AND INSTALL JOIST

- 1/8" wide cut x 2-5/8" deep centered on the end of the joist.



3. USE TEMPLATE

- Measure joist height and mark center; mark connector center height.
- A. Place joist onto joist hanger and brace temporarily. Align center of supported member with the center of the hanger.
- Align template with center of the joist and rest on the supporting member.
- Mark screw locations onto joist from both sides using the same template.
- Diamond holes are for a double hanger installation, see MiTek-US.com for more information.



4. 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.

*T25 is a trademark of Acument



5. INSTALL COMPLETE

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.

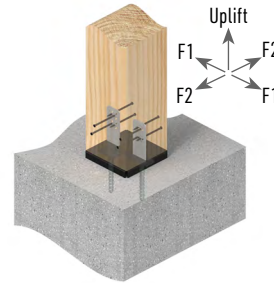
Materials: 12 gauge

Finish: G-185 galvanizing

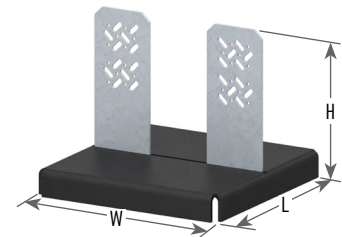
Codes: ESR-5695 (IBC & IRC, LABC & LARC),
FL47554 (FBC w/HVHZ)

Installation: (Page 2)

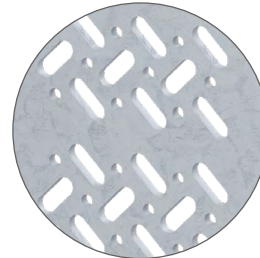
Not recommended for fence posts or other unrestrained (not fixed or fastened at top) applications. These anchors are not designed to resist overturning (moment) loads.



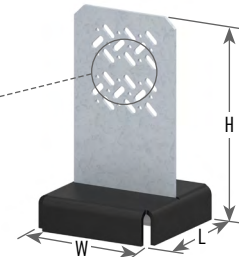
Typical CPBQ88-TZ installation



CPBQ88-TZ
(CPBQ66-TZ similar)



Innovative Mesh Design



CPBQ44-TZ

Post Size	MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Fastener Schedule				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)					Ctn Qty
				W	H	L	Min/Max	Anchor Bolt		Qty	Wood Screws ²	Download 100%	Uplift 160% ¹	F1 160%	F2 160%	Download 100%	Uplift 160% ¹	F1 160%	F2 160%	
								Qty	Type											
4 x 4	CPBQ44-TZ	CPT44Z	12	3-1/2	3-1/2	6-1/8	Min Max	2	1/2	4	CCWS3	11535	1925	1050	590	9690	1620	880	495	10
									8			3035	710		2550		595			
6 x 6	CPBQ66-TZ	CPT66Z	12	5-1/2	5-1/2	6-1/8	--	2	1/2	8	CCWS45	21950	4130	1965	1540	18440	3470	1655	1295	8
8 x 8	CPBQ88-TZ	CPT88Z	12	7-1/4	7-1/4	6	--	2	1/2	8	CCWS45	24405	3935	2155	1285	20500	3305	1810	1080	6

1) Uplift loads have been increased 60% for wind and seismic loads, no further increase shall be permitted.

2) MiTek's CCWS3 (1/4" dia. x 3" long) and CCWS45 (1/4" dia. x 4-1/2" long) structural wood screws are included with CPBQ post bases.

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

4) Allowable loads shown do not apply to the anchorage to concrete or masonry.

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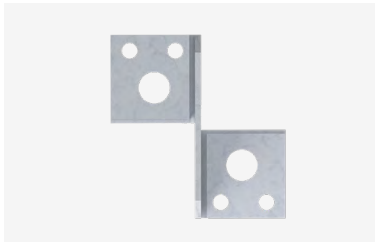
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CONCEALED POST BASES

CPBQ series

Installation:



1. MARK BASE MATERIAL

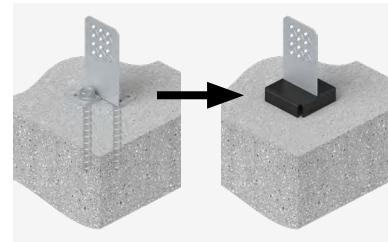
→ Mark the location of the two large holes for either mechanical or chemical anchoring, or use the four smaller holes for concrete screws.



2. INSTALL ANCHORS

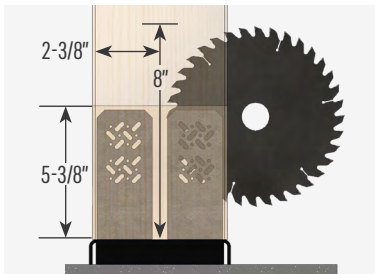
- Washers should be used for all concrete anchors.
- Anchors to be designed by others and installed per manufacturers specifications.

Loads may be limited by the manufacturer's anchorage.



3. ASSEMBLE STAND-OFF PLATE

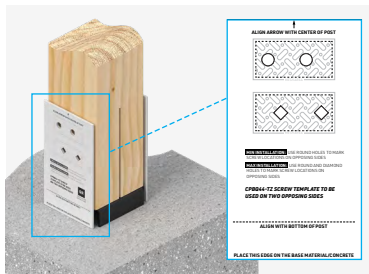
→ Slide stand-off plate over the knife plate and let it rest on the concrete.



4. CUT AND INSTALL POST

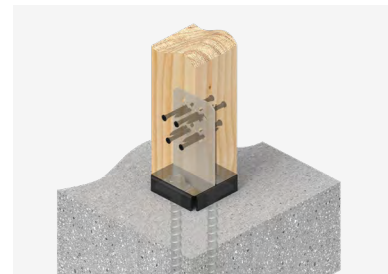
- 1/8" wide cut
- 5-3/8" from the end of the post
- 8" from the bottom of a post for a 7-1/4" circular saw
- 2-3/8" deep on the 6x6 and 8x8 models, through fully for CPBQ44-TZ.

**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