



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)



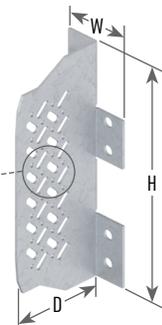
Typical CJHQ8-TZ single installation



Typical CJHQ8-TZ double installation



Innovative Mesh Design



CJHQ

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Qty of CJHQs ³	Min Joist Size	Fastener Schedule ²				Unit	D Fir-L Factored Resistance		S-P-F Factored Resistance		Ctn Qty
			W	H	D			Header		Joist			Download 100%	Uplift ¹ 115%	Download 100%	Uplift ¹ 115%	
								Qty	Type	Qty	Type						
CJHQ6-TZ	CJT3Z	12	1-13/16	5-7/16	2-3/4	1	4 x 6	6	CCWS3	6	CCWS3	Lbs	2625	2625	2620	2620	6
						2	6 x 8	12	CCWS3	10	CCWS3	Lbs	4175	4175	4025	4025	
CJHQ8-TZ	CJT3Z	12	1-13/16	6-7/16	2-3/4	1	4 x 8	8	CCWS3	8	CCWS3	Lbs	3870	3870	3765	3765	6
						2	6 x 8	16	CCWS3	12	CCWS3	Lbs	6435	6435	6265	6265	
CJHQ10-TZ	CJT4Z	12	1-13/16	8-7/16	2-3/4	1	4 x 10	10	CCWS3	10	CCWS3	Lbs	5560	5560	5520	5520	6
						2	6 x 10	20	CCWS3	16	CCWS3	Lbs	8600	8600	8285	8285	
CJHQ12-TZ	CJT6Z	12	1-13/16	9-7/16	2-3/4	1	4 x 12	12	CCWS3	12	CCWS3	Lbs	7585	7585	7210	7210	6
	HCJTZ					2	6 x 12	24	CCWS3	18	CCWS3	Lbs	10330	10330	10215	10215	
												kN	45.95	45.95	45.44	45.44	

1) 15% increase for short-term loads such as wind and earthquake has been considered for factored uplift resistance; no further increase allowed.
 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". For double installs, knife plate shall be positioned 1-5/8" ± 1/8" from the face of the supported beam.

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Installation:



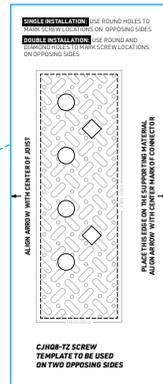
1. ATTACH HANGER TO SUPPORTING MEMBER

- 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