

CJTZ/HCJTZ

Light and Heavy-Duty Concealed Joist Ties

The CJTZ/HJTZ are concealed connectors. They can be installed three ways: with no routing of header/post or beam; a routed header/post, or a routed beam. It is part of a concealed connector system that includes the CPTZ and CBTZ.

The HCJTZ is a heavy concealed beam tie to be used with large glulam beams resisting heavy loads. The HCJTZ features a unique shape that allows installers to insert the connector into the end of the beam without a visible slot cut into the bottom of the beam.

Material: CJTZ — 12 gauge; HCJTZ — 10 gauge

Finish: Galvanized

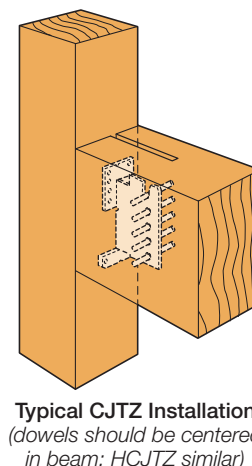
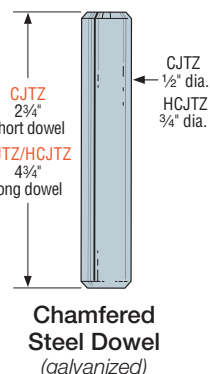
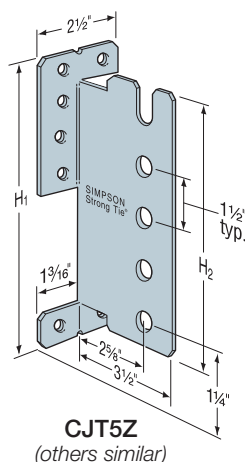
Installation:

- Use all specified fasteners; see General Notes.
- The CJTZ/H CJTZ is supplied with all dowels and screws required. Screws require a hex-head driver.
- Router end of beam for screw heads for flush installation.
- The carried member may be sloped up or down to 45° with full table loads.
- The CJTZ only is available with two dowel lengths. To order: specify short (e.g. CJTZS) or long dowels (e.g. CJTZL) (see footnote #1 below).

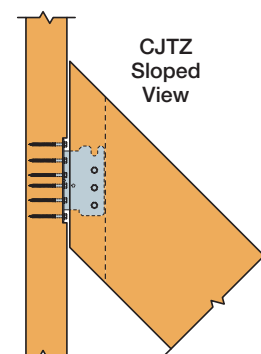
Options:

- See technical bulletin T-C-CJTZ at strongtie.com















Codes: See p. 12 for Code Reference Key Chart



Warning: This connector requires special attention to ensure correct installation. The beam must be installed perpendicular to the support member. The connection's components may be damaged if the beam is rotated from its opposite end during or after installation. Damaged components may not be noticeable and may reduce the connector's load carrying capacity.



These products are available with additional corrosion protection. For more information, see p. 15.

Model No.	Min. Joist Size	Dimensions (in.)		Fasteners (Quantity – Type)		Allowable Loads				Code Ref.	
		H ₁	H ₂	Header	Joist Pins (2¾" or 4¾")	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
Douglas Fir–Larch											
    	CJT3Z	4x6	5⅞	4⅞	(6) ¼" x 3" SDS	(3) ½"	985	1,050	1,050	1,050	IBC, FL, LA
		4x8	5⅞	4⅞	(6) ¼" x 3" SDS	(3) ½"	1,540	1,730	1,730	1,730	
	CJT4Z	4x10	7	5⅞	(8) ¼" x 3" SDS	(4) ½"	2,625	2,970	2,970	2,970	
	CJT5Z	4x12	8⅞	7⅞	(10) ¼" x 3" SDS	(5) ½"	3,160	3,935	4,520	4,580	
	CJT6Z	4x12	10	8⅞	(12) ¼" x 3" SDS	(6) ½"	4,305	4,220	4,220	4,220	
Glulam											
    	CJT3Z	3⅞" x 7½"	5⅞	4⅞	(6) ¼" x 3" SDS	(3) ½"	1,540	1,835	1,835	1,835	IBC, FL, LA
	CJT4Z	3⅞" x 9"	7	5⅞	(8) ¼" x 3" SDS	(4) ½"	2,625	3,180	3,180	3,180	
	CJT5Z	3⅞" x 10½"	8⅞	7⅞	(10) ¼" x 3" SDS	(5) ½"	3,160	3,900	4,480	4,570	
	CJT6Z	3⅞" x 12"	10	8⅞	(12) ¼" x 3" SDS	(6) ½"	4,305	4,510	4,860	4,860	
	HCJTZ	5⅞" x 15"	13⅞	13⅞	(22) ¼" x 3" SDS	(7) ¾"	9,210	8,465	8,465	8,465	
PSL											
    	CJT3Z	3½" x 9½"	5⅞	4⅞	(6) ¼" x 3" SDS	(3) ½"	1,540	2,220	2,220	2,220	IBC, FL, LA
	CJT4Z	3½" x 9½"	7	5⅞	(8) ¼" x 3" SDS	(4) ½"	2,625	2,810	2,810	2,810	
	CJT5Z	3½" x 9½"	8⅞	7⅞	(10) ¼" x 3" SDS	(5) ½"	3,160	3,980	4,285	4,285	
	CJT6Z	3½" x 11⅞	10	8⅞	(12) ¼" x 3" SDS	(6) ½"	4,305	4,640	4,640	4,640	
	HCJTZ	5⅞" x 15"	13⅞	13⅞	(22) ¼" x 3" SDS	(7) ¾"	9,210	8,465	8,465	8,465	

1. Center dowel in beam. Short dowel ($\frac{1}{2}" \times 2\frac{3}{4}"$) is for use with $3\frac{1}{8}"$ glulam beam, 4x sawn lumber, or $3\frac{1}{2}"$ wide PSL. Long dowel ($\frac{1}{2}" \times 4\frac{3}{4}"$) is for use with $5\frac{1}{8}"$ glulam beam, 6x sawn lumber, or greater widths.

