

ARCHITECTURAL PRODUCTS GROUP

CONCEALED JOIST TIES

The CJT is a concealed connector. It can be installed three ways: with no routing of header/post or beam; a routed header/post, or a routed beam.

MATERIAL: 12 gauge **FINISH:** Galvanized

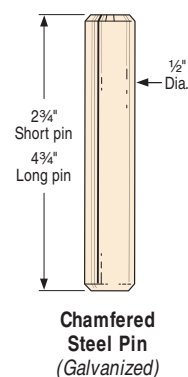
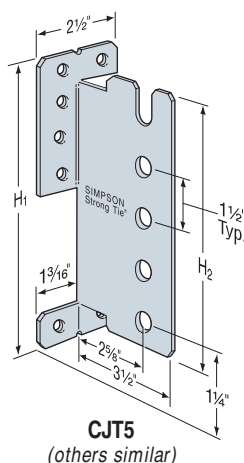
INSTALLATION: • Use all specified fasteners.

See General Notes.

- The CJT Pack is supplied with all pins and screws required. Screws require a hex head driver.
- Router end of beam for screw heads for flush installation.
- The joist/beam may be sloped to 45° with full table loads.
- To provide maximum beam width for use with short pins, center in beam.
- To order: specify short or long pins (see footnote #1 below).

OPTIONS: See Technical Bulletin T-CJT (see page 187 for details).

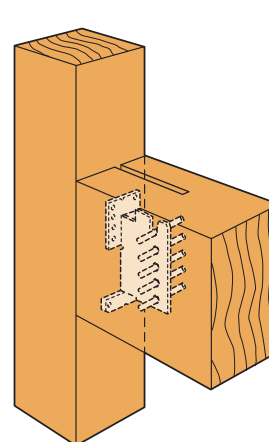
CODES: See page 12 for Code Reference Key Chart.

**WARNING:**

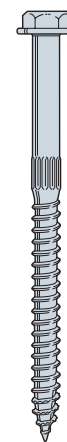
This connector requires special attention to ensure correct installation. The beam must be installed perpendicular to the support member. The connection's components may be damaged if the beam is rotated from its opposite end during or after installation. Damaged components may not be noticeable and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

Model No.	Min. Joist Size	Dimensions		Fasteners		Allowable Loads				Code Ref.
		H ₁	H ₂	SDS	Pins (2¾" or 4¾") ²	Uplift (133)	Floor (100)	Snow (115)	Roof (125)	
DOUGLAS FIR										
CJT3	4x8	5⅞	4⅞	6	3	1655	1050	1050	1050	35, 126
CJT4	4x10	7	5⅞	8	4	2460	2440	2805	2815	
CJT5	4x12	8⅞	7⅞	10	5	3255	3005	3455	3755	
CJT6	4x12	10	8⅞	12	6	4005	3535	3990	3990	
GLULAM BEAM										
CJT3	3⅝x7½	5⅞	4⅞	6	3	1655	1240	1240	1240	35, 126
CJT4	3⅝x9	7	5⅞	8	4	2460	2440	2805	2900	
CJT5	3⅝x10½	8⅞	7⅞	10	5	3255	3005	3455	3755	
CJT6	3⅝x12	10	8⅞	12	6	4005	3535	4065	4420	
PSL										
CJT3	3½x9½	5⅞	4⅞	6	3	1655	1840	2115	2160	35, 126
CJT4	3½x9½	7	5⅞	8	4	2460	2145	2145	2145	
CJT5	3½x9½	8⅞	7⅞	10	5	3255	3005	3455	3755	
CJT6	3½x11⅞	10	8⅞	12	6	4005	3535	4065	4420	

1. Center pin in beam. Short pin (2 3/4") for use with 3 1/8 GLB, 4x sawn lumber or 3 1/2" wide PSL. Long pin (4 3/4") for use with 5 1/8 GLB, 6x sawn lumber or greater widths.
2. See T-CJT for additional load information with long pins (see page 187 for details).



Typical CJT Installation
(Note that pins should be centered within beam)



SDS 1/4"x3"
U.S. Patent
6,109,850
5,897,280
5,044,853

ORNAMENTAL – JOIST HANGER

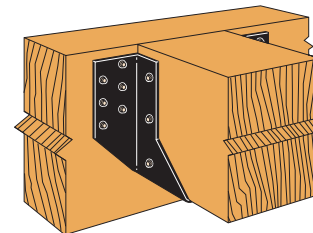
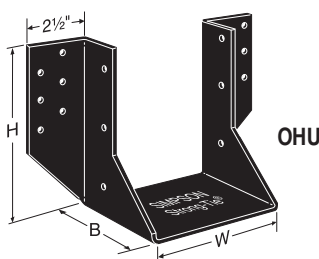
The OHU Ornamental Joist Hangers are heavy duty, load-rated joist hangers that are attached with Simpson 1/4"x3" SDS double-barrier coating wood screws (supplied with product).

MATERIAL: 12 gauge

FINISH: Textured powder-coated flat black paint.

OPTIONS: No modifications.

CODES: See page 12 for Code Reference Key Chart.



Typical OHU Installation

Model No.	Joist Size	Ga	Dimensions			No. of SDS ¼"x3"		DF/SP					SPF/HF					Code Ref.
			W	H	B	Wood Screws		Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
						Face	Joist											
OHU46-SDS3	4x6	12	3⅞	5	4	6	4	1535	1535	1840	2120	2305	1105	1105	1325	1525	1660	170
OHU48-SDS3	4x8	12	3⅞	6¾	4	8	6	1535	1535	2455	2675	2675	1105	1105	1770	1925	1925	
OHU410-SDS3	4x10	12	3⅞	8¾	4	12	6	2455	2525	3685	4235	4605	1770	1820	2655	3050	3315	
OHU412-SDS3	4x12	12	3⅞	10¾	4	12	8	2525	2525	3685	4235	4605	1820	1820	2655	3050	3315	
OHU414-SDS3	4x14	12	3⅞	12¾	4	14	10	2525	2525	4300	4945	5375	1820	1820	3095	3560	3870	
OHU66-SDS3	6x6	12	5½	5	4	6	4	1535	1535	1840	2120	2305	1105	1105	1325	1525	1660	
OHU68-SDS3	6x8	12	5½	7	4	12	6	2455	2525	3685	4235	4605	1770	1820	2655	3050	3315	
OHU610-SDS3	6x10	12	5½	9	4	14	6	2455	2525	4300	4945	5375	1770	1820	3095	3560	3870	
OHU612-SDS3	6x12	12	5½	11	4	16	8	2525	2525	4910	5630	5630	1820	1820	3535	4055	4055	
OHU614-SDS3	6x14	12	5½	13	4	18	10	3950	3950	5525	6355	6860	2845	2845	3980	4575	4940	

1. Allowable loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed; reduce where other loads govern.