

The expiration date of this document has been extended until 12/31/12.



Architectural Products Group

C-APG08



(800) 999-5099
www.strongtie.com

Introduction

The allure of post and beam goes far beyond function.

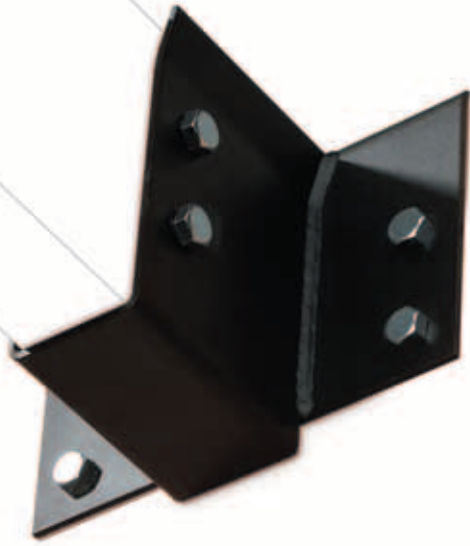
Beams, posts and the substantial metal connectors that join them define the soul of a structure. As design elements, they may appear traditional or contemporary, but never trendy or transitory. They do not fly by night. They speak with authority, permanence, stability, steadfastness. They say, "I am here to stay."

Until now, connectors for exposed beams and heavy timbers had to be custom-designed, engineered, fabricated and finished. It's an expensive, time-consuming process.

That's changed. The new Architectural Products Group by Simpson Strong-Tie® offers a wide range of prefinished connectors. Each product combines load-rated structural performance with aesthetically pleasing design.

Look inside. The design elements you've asked for are ready and available.

And they're meant to be seen.



The Classic Collection

The smooth edges and clean lines of the connectors in our Classic Collection have a timeless quality that spans design classifications. Though they're used in conjunction with a historically-based construction style, these connectors are just as perfectly integrated in a refined, contemporary loft as they would be in a century-old warehouse. Created to serve both the form and function of urban-modern design, this collection is a substantial addition to the architect's palette.





HTPC



HLPC



HL33PC



HLSTPC



Photo courtesy of Pan Abode Homes



CBPC



CCPC



HLGPC

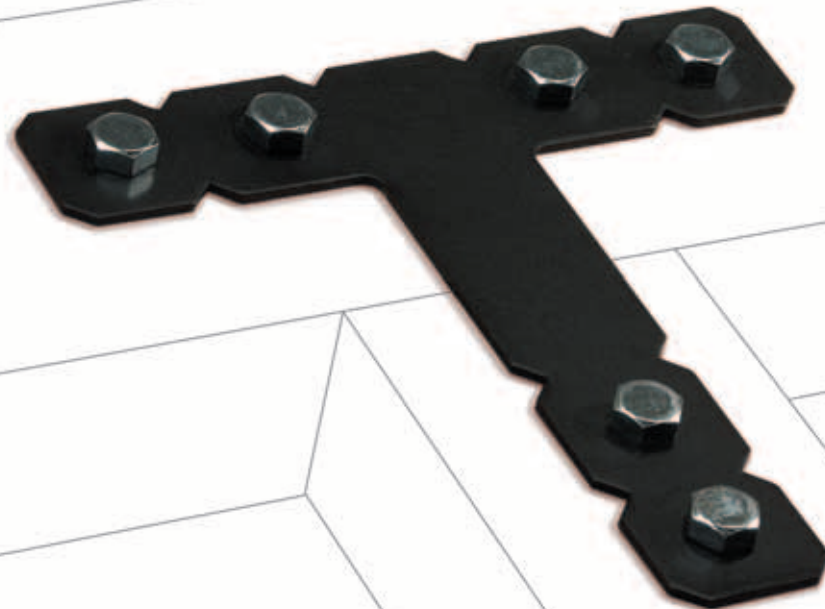


LEGPC/MEGPC



The Rustic Collection

It's amazing what a simple notch can communicate. In a connector, notched detailing creates the look and feel of a rugged cabin or backcountry ski lodge. Used with heavy timbers and beams, these connectors have an antique quality that's immediately reminiscent of the simplicity and strength historically associated with the American Frontier.





OT/OHT



OL/OHL



OHA



OS/OHS





OCC



OCB



OU



HLGPC





The Specialty Collection

Designed to stand alone or to complement other architectural connectors, the Specialty Collection works with any classic or rustic design. This collection encompasses bearing plates, specialty joist hangers, stand-off bases, custom plates and concealed connectors.





CUSTOM STEEL PLATES



OHU



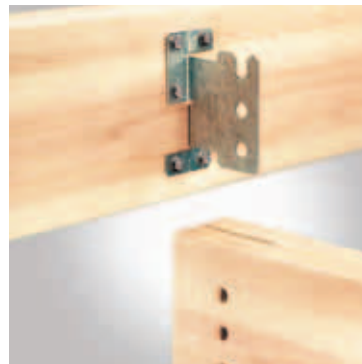
CPS



PBVPC



BPPC



CJT

CUSTOM PLATES

Simpson Strong-Tie expertise enhances your design options. We can build a variety of flat or bent ornamental shapes to your specifications. We offer textured powder-coated flat black paint, gray paint, hot-dipped galvanized and stainless steel finishes.

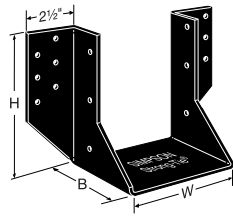
CONCEALED JOIST TIES

The CJT is a concealed connector that connects a beam to a post or header. It combines a mortise and tenon look with tested load ratings. Simpson Strong-Tie® CJTs are 12 gauge galvanized steel and include all screws and pins.



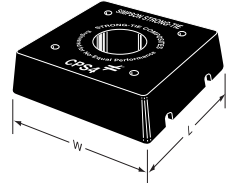
Photo courtesy of Pan Abode Homes

The Specialty Collection



OHU SPECIALTY JOIST HANGER

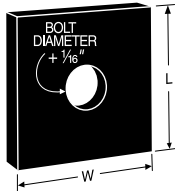
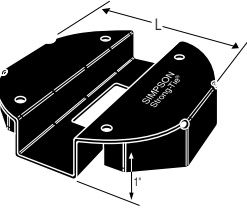
Model Number	Joist Size	Ga.	W	H	B	No. of SDS ^{1/2} x3 Wood Screws Face Joist	Douglas Fir				Spruce Pine Fir						
							Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
OHU46-SDS3	4x6	12	3 ⁹ / ₁₆	5	4	6	4	1535	1535	1840	2120	2305	1105	1105	1325	1525	1660
OHU48-SDS3	4x8	12	3 ⁹ / ₁₆	6 ³ / ₄	4	8	6	1535	1535	2455	2675	2675	1105	1105	1770	1925	1925
OHU410-SDS3	4x10	12	3 ⁹ / ₁₆	8 ³ / ₄	4	12	6	2455	2525	3685	4235	4605	1770	1820	2655	3050	3315
OHU412-SDS3	4x12	12	3 ⁹ / ₁₆	10 ³ / ₄	4	12	8	2525	2525	3685	4235	4605	1820	1820	2655	3050	3315
OHU414-SDS3	4x14	12	3 ⁹ / ₁₆	12 ³ / ₄	4	14	10	2525	2525	4300	4945	5375	1820	1820	3095	3560	3870
OHU66-SDS3	6x6	12	5 ¹ / ₂	5	4	6	4	1535	1535	1840	2120	2305	1105	1105	1325	1525	1660
OHU68-SDS3	6x8	12	5 ¹ / ₂	7	4	12	6	2455	2525	3685	4235	4605	1770	1820	2655	3050	3315
OHU610-SDS3	6x10	12	5 ¹ / ₂	9	4	14	6	2455	2525	4300	4945	5375	1770	1820	3095	3560	3870
OHU612-SDS3	6x12	12	5 ¹ / ₂	11	4	16	8	2525	2525	4910	5630	5630	1820	1820	3535	4055	4055
OHU614-SDS3	6x14	12	5 ¹ / ₂	13	4	18	10	3950	3950	5525	6355	6860	2845	2845	3980	4575	4940



CPS/PBV STANDOFF BASES

Model Number	Post or Column Size	Dimensions			Fasteners		Allowable Loads	
		L	W	H	Post Qty	Qty. Dia	Uplift	Down
CPS4	4x4	3 ¹ / ₄	3 ¹ / ₄	1	2	%	4490	5195
CPS46	4x6	5 ⁹ / ₁₆	3 ⁹ / ₁₆	1	2	%	4490	5865
CPS5	5x5	4 ¹ / ₂	4 ¹ / ₂	1	2	%	4490	5865
CPS6	6x6	5 ⁹ / ₁₆	5 ⁹ / ₁₆	1	2	%	4490	7745
CPS7	8x8	7 ¹ / ₄	7 ¹ / ₄	1 ¹ / ₄	2	%	4490	8315
PBV6PC	6" Dia	5 ¹ / ₄	—	1	2	%	3800	9250
PBV10PC	10" Dia	9 ⁹ / ₁₆	—	1	2	%	3800	19225

1. Allowable uplift load capacities are for solid sawn posts with specific gravity of 0.36 minimum except the PBV, which is based on round "Viga" (Ponderosa Pine) wood posts.
2. All allowable uplift loads are based on a lowest ultimate load from testing divided by a safety factor of 4 with anchor installed into the end of the post with SET epoxy to an embedment of 10". Concrete anchorage to be designed by others, refer to Simpson Strong-Tie *Anchoring and Fastening Systems for Concrete and Masonry* catalog. Allowable uplift capacities shall not exceed those shown in the table.
3. Download capacities are calculated based on the standoff bearing area and a concrete strength of 2500 psi except the PBV which is based on the wood bearing strength (700 psi for Ponderosa Pine.)



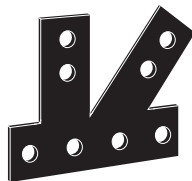
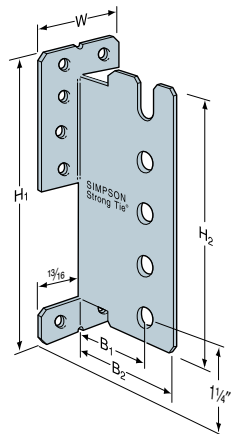
BPPC BEARING PLATES

Model Number	Thickness	Dimensions		Bolt. Dia
		W	L	
BP1 ¹ / ₂ PC	3 ¹ / ₁₆	2	2	1/2
BP5 ¹ / ₈ -2PC	3 ¹ / ₁₆	2	2	%
BP5 ¹ / ₈ PC	1/4	2 ¹ / ₂	2 ¹ / ₂	%
BP3 ¹ / ₄ PC	5 ¹ / ₁₆	2 ³ / ₄	2 ³ / ₄	3/4
BP7 ¹ / ₈ PC	5 ¹ / ₁₆	3	3	7/8
BP1PC	3/8	3 ¹ / ₂	3 ¹ / ₂	1

CJT CONCEALED JOIST TIES

Model Number	Min. Joist Size	Dimensions						Fasteners		Allowable Loads			
		W	H1	H2	B1	B2	Screws	Pins	Uplift (133)	Floor (100)	Snow (115)	Roof (125)	
Douglas Fir													
CJT3	4x8	2 ¹ / ₂	5 ⁹ / ₁₆	4 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	3-2 ³ / ₄ (3-4 ³ / ₄)	1655	1050	1050	1050	
CJT4	4x10	2 ¹ / ₂	7	5 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	4-2 ³ / ₄ (4-4 ³ / ₄)	2460	2440	2805	2815	
CJT5	4x12	2 ¹ / ₂	8 ⁹ / ₁₆	7 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	10	5-2 ³ / ₄ (5-4 ³ / ₄)	3255	3005	3455	3755	
CJT6	4x12	2 ¹ / ₂	10	8 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	12	6-2 ³ / ₄ (6-4 ³ / ₄)	4005	3535	3990	3990	
Glulam Beam													
CJT3	3 ¹ / ₂ x7 ¹ / ₂	2 ⁵ / ₈	5 ⁹ / ₁₆	4 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	3-2 ³ / ₄ (3-4 ³ / ₄)	1655	1240	1240	1240	
CJT4	3 ¹ / ₂ x9	2 ⁵ / ₈	7	5 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	4-2 ³ / ₄ (4-4 ³ / ₄)	2460	2440	2805	2900	
CJT5	3 ¹ / ₂ x10 ¹ / ₂	2 ⁵ / ₈	8 ⁹ / ₁₆	7 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	10	5-2 ³ / ₄ (5-4 ³ / ₄)	3255	3005	3455	3755	
CJT6	3 ¹ / ₂ x12	2 ⁵ / ₈	10	8 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	12	6-2 ³ / ₄ (6-4 ³ / ₄)	4005	3535	4065	4420	
PSL													
CJT3	3 ¹ / ₂ x9 ¹ / ₂	2 ⁵ / ₈	5 ⁹ / ₁₆	4 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	3-2 ³ / ₄ (3-4 ³ / ₄)	1655	1840	2115	2160	
CJT4	3 ¹ / ₂ x9 ¹ / ₂	2 ⁵ / ₈	7	5 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	6	4-2 ³ / ₄ (4-4 ³ / ₄)	2460	2145	2145	2145	
CJT5	3 ¹ / ₂ x9 ¹ / ₂	2 ⁵ / ₈	8 ⁹ / ₁₆	7 ⁷ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	10	5-2 ³ / ₄ (5-4 ³ / ₄)	3255	3005	3455	3755	
CJT6	3 ¹ / ₂ x10 ¹ / ₂	2 ⁵ / ₈	10	8 ⁹ / ₁₆	2 ⁵ / ₈	3 ¹ / ₂	12	6-2 ³ / ₄ (6-4 ³ / ₄)	4005	3535	4065	4420	

1. SDS^{1/2}x3" wood screws are provided with the connector.
2. Center pin in beam. Short pin (2³/₄") for use with 3¹/₂ GLB, 4x sawn lumber or 3¹/₂ wide PSL. Long pin (4³/₄") for use with 5¹/₂ GLB, 6x sawn lumber or greater widths.
3. See technical bulletin T-CJT for additional load information with long pins (see page 187 for details).



CUSTOM STEEL PLATES

- TO OBTAIN A QUOTE:
- Supply a CAD drawing in .dxf format complete with plate dimensions, hole diameter and locations, steel thickness, desired finish (Simpson Strong-Tie- Gray, Black Powder Coat, HDG or raw steel).
 - Total plate shape and size up to max. dimensions of 48"x48" (approx. 1/8" tolerance).
 - Simpson Strong-Tie does not provide product engineering or load values for Custom Steel Plates.
 - Contact Simpson Strong-Tie for pricing information.

NOTE: Published loads assume Douglas Fir-Larch lumber. For 133/160 columns allowable loads have been increased 33% and 66% for earthquake and wind loading. No further increase allowed; reduce where other loads govern. See the Simpson Strong-Tie *Wood Construction Connectors* catalog for additional information on these products.

Visible Means of Support

As with all of Simpson Strong-Tie products, our Architectural Products Group offers much more than what's in the box. We believe the value-added extras are what make the difference for our customers. Here are just a few of the outside-the-box advantages of our new architectural-grade connectors.

NATIONWIDE AVAILABILITY

The prefinished products in our Architectural Products Group are in-stock or readily available nationwide. Their availability, and dependable consistent quality minimize fabrication and ordering lead times.

TESTING AND LOAD-RATING

Unlike shop-fabricated connectors, the hardware in our Architectural Products Group consists of high-quality, pre-engineered and tested connectors. Most products are load-rated to ensure dependability.

FINISHES

The connectors in our Architectural Products Group are available with textured powder-coated flat black paint, gray paint, hot-dipped galvanized and stainless steel finishes.

CODE INFORMATION

Product code listings are available in Simpson Strong-Tie catalogs or by contacting us directly. If code listings are not available, Simpson Strong-Tie can supply complete test data to support our published loads. Call 1.800.925.5099.

CUSTOM PLATES

Simpson Strong-Tie expertise enhances your design options. We can build a variety of custom flat or bent ornamental shapes to your specifications, including plates for heavy timber trusses and other architectural designs.

TECHNICAL AND FIELD SUPPORT

Our engineers will gladly answer installation questions and provide information about code requirements and wind-resistant/seismic construction. Field support is also available on-site to help ensure proper installation.





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