ARCHITECTURAL PRODUCTS GROUP

The **Architectural Products Group** consists of aesthetically pleasing, pre-finished connectors and innovative concealed joist ties designed for exposed wood applications. These connectors provide structural performance and, at the same time, add a unique appearance feature to a project. Refer to Simpson Strong-Tie® C-APG catalog.

- **ARCHITECTURAL FINISHES**
  Eliminate time consuming prep work and costly field painting. Available finishes include textured flat black powder-coat, gray paint and hot-dip galvanized coating.
- **AVAILABILITY**
  Select products are in stock and readily available. Contact Simpson Strong-Tie for product availability and lead times for non-stocked items.
- **PRE-ENGINEERED AND TESTED**
  Load-rated products are verified to perform to design loads, unlike custom designed and fabricated connectors.
- **QUALITY ASSURANCE**
  No-Equal quality-controlled manufacturing ensures product consistency and high quality.

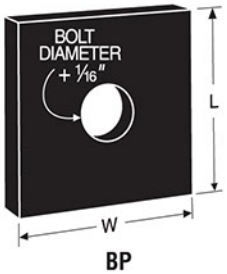
Products shown in this section come with textured flat black powder-coat unless otherwise noted. Most are also available with a galvanized coating or gray primer. Contact Simpson Strong-Tie for availability.

www.strongtie.com/apg

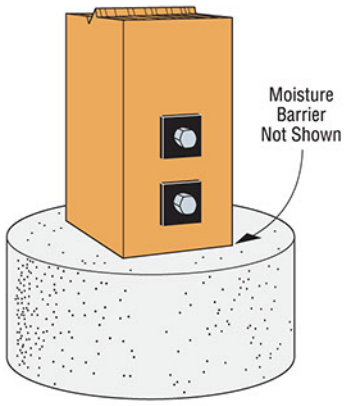
BP – BEARING PLATES

Bearing Plates give greater bearing surface than standard cut washers, and help distribute the load at these critical connections.
MATERIAL: See table
FINISH: Textured flat black powder-coat
INSTALLATION: See General Notes.
CODES: See page 13 for Code Reference Key Chart.

Model No.	Thickness	Dimensions		Bolt Dia.	Code Ref.
		W	L		
BP½PC	3/16	2	2	½	190
BP⅝-2PC	3/16	2	2	⅝	
BP⅝PC	¼	2½	2½	⅝	
BP¾PC	5/16	2¾	2¾	¾	
BP⅞PC	5/16	3	3	⅞	
BP1PC	⅜	3½	3½	1	



BP

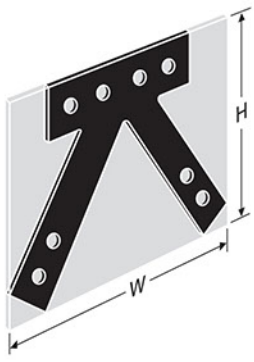


Typical BP Installation

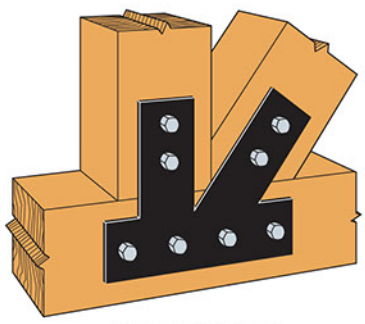
SPECIAL ORDER PLATES

Simpson Strong-Tie can make a variety of flat and bent steel shapes, which include gusset plates for heavy timber trusses, custom ornamental shapes and retaining plates.
MATERIAL: 3 gauge maximum
FINISH: Galvanized, textured powder-coated flat black, Simpson Strong-Tie® gray paint, stainless steel. Contact Simpson Strong-Tie for availability.
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 Paint, Black Powder-Coat, HDG or raw steel).*
- Total plate shape and size up to maximum dimensions of 48"x48" *(approx. 1/16" tolerance).*
- Simpson Strong-Tie does not provide product engineering or load values for Special Order Plates.
- Contact Simpson Strong-Tie for pricing information.
- Refer to General Notes, note g on page 16 for additional information.



"W" and "H" indicate the envelope size of the steel shape.



Typical Installation
(Plate shown has black powder-coat)

CONCEALED JOIST TIES

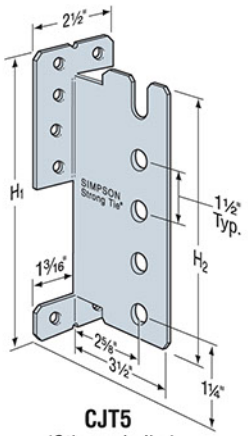
The CJT is a concealed connector. It can be installed three ways: with no routing of header/post or beam; a routed header/post, or a routed beam.

MATERIAL: 12 gauge **FINISH:** Galvanized

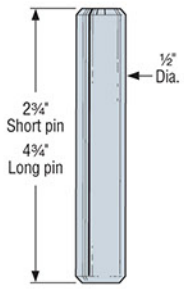
INSTALLATION: • Use all specified fasteners. See General Notes.
- The CJT Pack is supplied with all pins and screws required. Screws require a hex head driver.
- Router end of beam for screw heads for flush installation.
- The carried member may be sloped to 45° with full table loads.
- To provide maximum beam width for use with short pins, center in beam.
- To order: specify short (e.g. CJT3S) or long pins (e.g. CJT3L) *(see footnote #1 below).*

OPTIONS: See technical bulletin T-CJT *(see page 230 for details).*

CODES: See page 13 for Code Reference Key Chart.



CJT5
(Others similar)

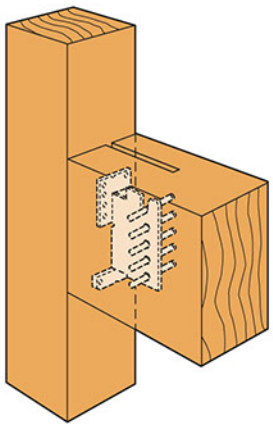


Chamfered Steel Pin
(Galvanized)

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 H_1	Dimensions H_2	Fasteners SDS	Fasteners Pins (2¾" or 4¾")[2]	Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Code Ref.
DOUGLAS FIR										
CJT3	4x6	5⁹⁄₁₆	4⁷⁄₁₆	6	3	985	1050	1050	1050	I18, F17
	4x8	5⁹⁄₁₆	4⁷⁄₁₆	6	3	1655	1050	1050	1050	
CJT4	4x10	7	5¹⁵⁄₁₆	8	4	2460	2440	2805	2815	
CJT5	4x12	8⁹⁄₁₆	7⁷⁄₁₆	10	5	3255	3005	3455	3755	
CJT6	4x12	10	8¹⁵⁄₁₆	12	6	4005	3535	3990	3990	
GLULAM BEAM										
CJT3	3⅛x7½	5⁹⁄₁₆	4⁷⁄₁₆	6	3	1655	1240	1240	1240	I18, F17
CJT4	3⅛x9	7	5¹⁵⁄₁₆	8	4	2460	2440	2805	2900	
CJT5	3⅛x10½	8⁹⁄₁₆	7⁷⁄₁₆	10	5	3255	3005	3455	3755	
CJT6	3⅛x12	10	8¹⁵⁄₁₆	12	6	4005	3535	4065	4420	
PSL										
CJT3	3½x9½	5⁹⁄₁₆	4⁷⁄₁₆	6	3	1655	1840	2115	2160	I18, F17
CJT4	3½x9½	7	5¹⁵⁄₁₆	8	4	2460	2145	2145	2145	
CJT5	3½x9½	8⁹⁄₁₆	7⁷⁄₁₆	10	5	3255	3005	3455	3755	
CJT6	3½x11⅞	10	8¹⁵⁄₁₆	12	6	4005	3535	4065	4420	

1. Center pin in beam. Short pin (2¾") for use with 3⅛ GLB, 4x sawn lumber or 3½" wide PSL. Long pin (4¾") for use with 5⅛ GLB, 6x sawn lumber or greater widths.
2. See technical bulletin T-CJT for additional load information with long pins *(see page 230 for details).*



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

SDS ¼"x3"
U.S. Patent 6,109,850 5,897,280

ORNAMENTAL – JOIST HANGER

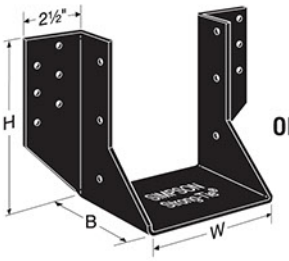
The OHU Ornamental Joist Hangers are heavy duty, load-rated joist hangers that are attached with Simpson Strong-Tie® Strong-Drive® ¼"x3" double-barrier coating SDS wood screws *(supplied with product).*

MATERIAL: 12 gauge

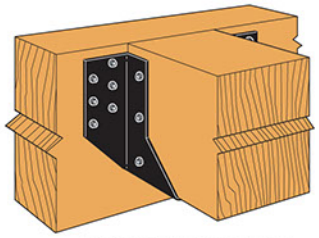
FINISH: Textured powder-coated flat black paint.

OPTIONS: No modifications.

CODES: See page 13 for Code Reference Key Chart.



OHU



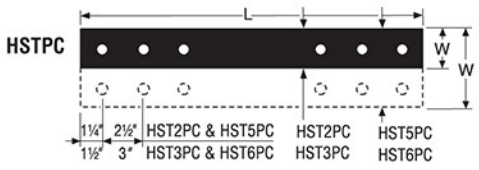
Typical OHU Installation

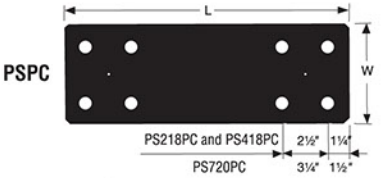
Model No.	Joist Size	Ga	Dimensions W	Dimensions H	Dimensions B	No. of SDS ¼"x3" Wood Screws Face	No. of SDS ¼"x3" Wood Screws Joist	DF/SP Uplift (160)	DF/SP Floor (100)	DF/SP Snow (115)	DF/SP Roof (125)	SPF/HF Uplift (160)	SPF/HF Floor (100)	SPF/HF Snow (115)	SPF/HF Roof (125)	Code Ref.
OHU46-SDS3	4x6	12	3⁹⁄₁₆	5	4	6	4	1930	2520	2900	3150	1390	1800	2070	2250	170
OHU48-SDS3	4x8	12	3⁹⁄₁₆	6¾	4	8	6	2765	3360	3865	4200	1990	2400	2760	3000	
OHU410-SDS3	4x10	12	3⁹⁄₁₆	8¾	4	12	6	2765	5040	5795	6300	1990	3600	4140	4500	
OHU412-SDS3	4x12	12	3⁹⁄₁₆	10¾	4	12	8	3565	5040	5795	6300	2570	3600	4140	4500	
OHU414-SDS3	4x14	12	3⁹⁄₁₆	12¾	4	14	10	3565	5880	6760	7350	2570	4200	4830	5250	
OHU66-SDS3	6x6	12	5½	5	4	6	4	1930	2520	2900	3150	1390	1800	2070	2250	
OHU68-SDS3	6x8	12	5½	7	4	12	6	2765	5040	5795	5955	1990	3600	4140	4290	
OHU610-SDS3	6x10	12	5½	9	4	14	6	2765	5880	6760	6885	1990	4200	4830	4960	
OHU612-SDS3	6x12	12	5½	11	4	16	8	3565	6720	7730	7815	2570	4800	5520	5630	
OHU614-SDS3	6x14	12	5½	13	4	18	10	3565	7560	8695	8745	2570	5400	6210	6300	

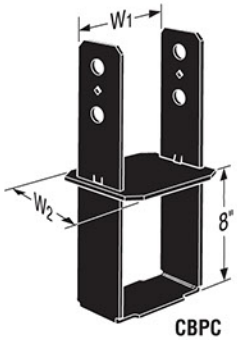
1. Allowable uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.

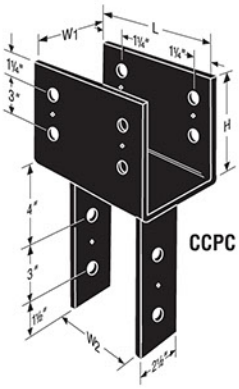
CLASSIC COLLECTION

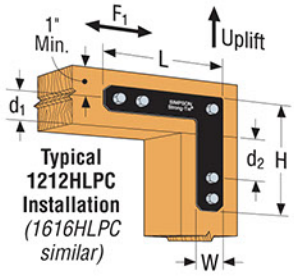
MATERIAL: As noted in tables
FINISH: Textured powder-coated flat black paint
INSTALLATION: • Use all specified fasteners. See General Notes.
CODES: See page 13 for Code Reference Key Chart.

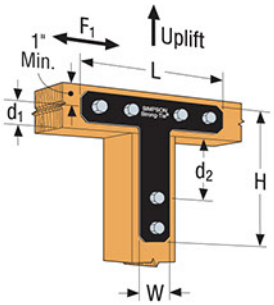












STRAP TIES

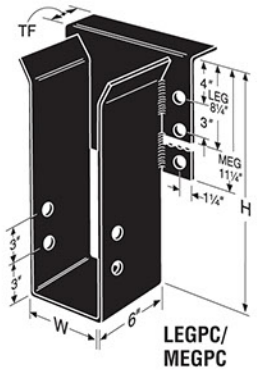
Model No.	Ga	Dimensions		Bolts		Allowable Tension Loads[1,2]	Code Ref.
		W	L	Qty	Dia	(160)	
HST2PC	7	2½	21¼	6	⅝	5220	I4, L3, F2
HST5PC	7	5	21¼	12	⅝	10650	
HST3PC	3	3	25½	6	¾	7625	
HST6PC	3	6	25½	12	¾	15360	
PS218PC	7	2	18	4	¾	4990	180
PS418PC	7	4	18	4	¾	5030	
PS720PC	7	6¾	20	8	½	4685	

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Allowable loads are based on parallel-to-grain loading and a minimum member thickness of 3½" with machine bolts in single shear. Straps must be centered about splice joint and bolt edge distances must meet NDS minimum requirements.
3. Designer must determine allowable loads when combining bolts parallel and perpendicular to grain.

BEAM TO COLUMN TIES

Model No.	Ga	Dimensions			Minimum Bolt End & Edge Distances		Bolts		Allowable Loads[1,2]		Code Ref.
									Tension/Uplift	F_1	
		W	H	L	d_1	d_2	Qty	Dia	(100/160)	(100/160)	
1212HLPC	7	2½	12	12	2½	4⅜	5	⅝	1535	565	170
1616HLPC	7	2½	16	16	2½	4⅜	5	⅝	1535	565	
1212HTPC	7	2½	12	12	2½	4⅜	6	⅝	2585	815	
1616HTPC	7	2½	16	16	2½	4⅜	6	⅝	2585	815	

1. 1212HL, 1616HL, 1212HT and 1616HT are to be installed in pairs with machine bolts in double shear. A single part with machine bolts in single shear is not load-rated.
2. Allowable loads are based on a minimum member thickness of 3½".
3. 1212HT, 1616HT loads assume a continuous beam.



COLUMN BASES

Model No.	Ga	Dimensions		Bolts		Allowable Tension Loads	Code Ref.
		W_1	W_2	Qty	Dia	(160)	
CB44PC	7	3⁹⁄₁₆	3½	2	⅝	4200	IL8
CB46PC	7	3⁹⁄₁₆	5½	2	⅝	4200	
CB48PC	7	3⁹⁄₁₆	7½	2	⅝	4200	
CB66PC	7	5½	5½	2	⅝	4200	
CB68PC	7	5½	7½	2	⅝	4200	
CB88PC	3	7½	7½	2	¾	6650	
CB810PC	3	7½	9½	2	¾	6650	

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. See page 60 for glulam beam sizes. Add PC to the model, i.e. CB5-6PC.
3. Minimum side cover for full loads is 3" for CB's.
4. Install with bottom of base flush with concrete.
5. Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations *(such as fences or unbraced carports)*.

COLUMN CAPS

Model No.	Ga	Dimensions				Bolts				Allowable Loads		Code Ref.
						Beam		Post		Uplift	Down	
		W_1	W_2	L	H	Qty	Dia	Qty	Dia	(160)	(100)	
CC44PC	7	3⅜	3⅜	7	4	2	⅝	2	⅝	1465	15310	I12, L4, F11
CC46PC	7	3⅜	5½	11	6½	4	⅝	2	⅝	2800	24060	
CC66PC	7	5½	5½	11	6½	4	⅝	2	⅝	4040	30250	
CC68PC	7	5½	7½	11	6½	4	⅝	2	⅝	4040	37810	
CC88PC	3	7½	7½	13	8	4	¾	2	¾	7440	54600	

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Post sides are assumed to lie in the same vertical plane as the beam sides.
3. Downloads are determined using F'_C perpendicular equal to 625 psi on seat area; reduce where end bearing value of post, L/R of post, or other criteria are limiting.
4. See pages 64 for glulam beam sizes and end conditions. Add PC to the model, i.e. CC3¼-4PC.
5. Column caps for end conditions available to order, add an "E" to the start of the model number. See page 64 for load values.

BEAM HANGERS

MATERIAL:
Top flange–7 ga,
Stirrups–7 ga.

Model No.	Dimensions			Bolts				Allowable Loads						Code Ref.
	W	Min. H	TF	Header		Joist		Without Top Flange		No Triangle Theory		Triangle Theory		
				Qty	Dia	Qty	Dia	(100)	(125)	(100)	(125)	(100)	(125)	
LEG3PC	3¼	9	2½	4	¾	2	¾	3465	4330	12675	13215	11865	12730	I19, L14, F18
LEG5PC	5¼	9	2½	4	¾	2	¾	3465	4330	16290	16290	11865	12730	
MEG5PC	5¼	9	2½	6	¾	2	¾	5170	6460	19710	19710	13570	14865	
LEG7PC	6⅞	9	2½	4	¾	2	¾	3465	4330	16290	16290	11865	12730	
MEG7PC	6⅞	9	2½	6	¾	2	¾	5170	6460	19710	19710	13570	14865	

1. Allowable loads assume a 5½" carrying member.
2. Specify desired height, minimum height listed in the table.
3. Glulam widths listed in table. To specify other widths add an X to the name and specify.
4. See Glulam Connectors section of this catalog for additional information on these products.
5. Refer to page 94 footnote #4 For triangle theory explanation.

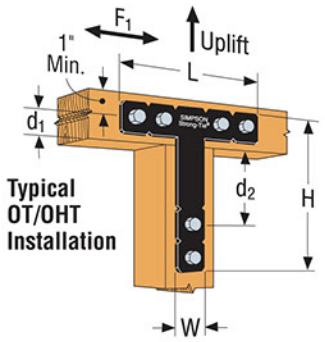
RUSTIC COLLECTION

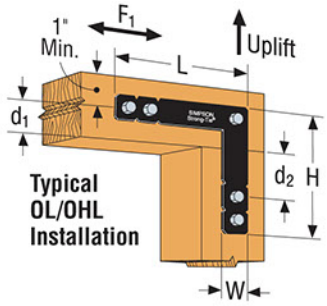
MATERIAL: As noted in tables
FINISH: Textured powder-coated flat black paint
INSTALLATION: • Use all specified fasteners. See General Notes.
CODES: See page 13 for Code Reference Key Chart.

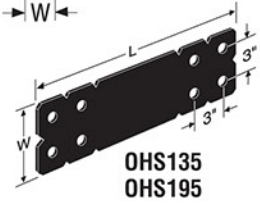
STRAP TIES

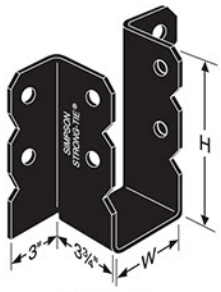
Model No.	Ga	Dimensions		Bolts		Allowable Loads[1,2]	Code Ref.
		W	L	Qty	Dia	Tension/Uplift (160)	
OS	12	2	12	4	½	1565	170
OHS	7	2½	12	4	⅝	2015	
OHS135	7	6	13½	4	¾	5045	
OHS195	7	6	19½	8	¾	10085	

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Allowable loads are based on parallel-to-grain loading and a minimum member thickness of 3½" with machine bolts in single shear. Straps must be centered about splice joint and bolt edge distances must meet NDS minimum requirements.
3. Designer must determine allowable loads when combining bolts parallel and perpendicular to grain.





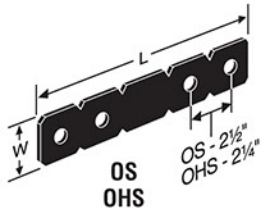




BEAM TO COLUMN TIES

Model No.	Ga	Dimensions			Minimum Bolt End & Edge Distances		Bolts		Allowable Loads[1,2,3]		Code Ref.
		W	H	L	d_1	d_2	Qty	Dia	Tension/Uplift (100/160)	F_1 (100/160)	
OL	12	2	12	12	2	3½	5	½	1435	565	170
OHL	7	2½	12	12	2½	4⅜	5	⅝	1535	565	
OT	12	2	12	12	2	3½	6	½	2585	815	
OHT	7	2½	12	12	2½	4⅜	6	⅝	2585	815	

1. OL, OHL, OT and OHT must be installed in pairs with machine bolts in double shear. A single part with machine bolts in single shear is not load-rated.
2. Allowable loads are based on a minimum member thickness of 3½".
3. OT, OHT loads assume a continuous beam.



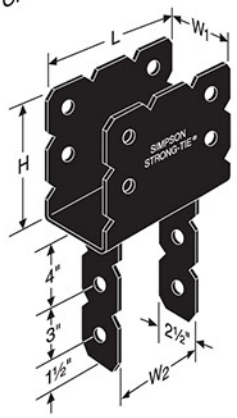
HEAVY ANGLES

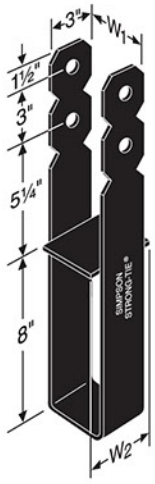
Model No.	Ga	Dimensions		Bolts		Code Ref.
		W	L	Qty	Dia	
OHA33	7	3⅛	3	2	¾	180
OHA36	7	3⅛	6	4	¾	

COLUMN BASES

Model No.	Ga	Dimensions		Bolts		Allowable Uplift Loads	Code Ref.
		W_1	W_2	Qty	Dia	(160)	
OCB44	3	3⁹⁄₁₆	3½	2	⅝	4200	170
OCB46	3	3⁹⁄₁₆	5½	2	⅝	4200	
OCB48	3	3⁹⁄₁₆	7½	2	⅝	4200	
OCB66	3	5½	5½	2	⅝	4200	
OCB68	3	5½	7½	2	⅝	4200	
OCB88	3	7½	7½	2	¾	6650	
OCB810	3	7½	9½	2	¾	6650	

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Minimum side cover for full loads is 3" for CB's.
3. Install with bottom of base flush with concrete.
4. Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations *(such as fences or unbraced carports)*.





COLUMN CAPS

Model No.	Ga	Dimensions				Bolts				Allowable Loads		Code Ref.
						Beam		Post		Uplift	Down	
		W_1	W_2	L	H	Qty	Dia	Qty	Dia	(160)	(100)	
OCC44	3	3⅜	3⅜	9	4½	2	⅝	2	⅝	1465	15310	170
OCC46	3	3⅜	5½	12	7½	4	⅝	2	⅝	2800	24060	
OCC66	3	5½	5½	12	7½	4	⅝	2	⅝	4040	30250	
OCC68	3	5½	7½	12	7½	4	⅝	2	⅝	4040	37810	
OCC88	3	7½	7½	15	7½	4	¾	2	¾	7440	54600	

1. Allowable uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Downloads are determined by nominal sawn beam allowable bearing at 625 psi on seat area; reduce where shear value of beam, end bearing value of post, L/R of post, or other criteria are limiting.
3. Post sides are assumed to lie in the same vertical plane as the beam sides.
4. For end conditions specify OECC.

JOIST HANGERS

Model No.	Ga	Dimensions		Bolts		Allowable Loads[1,2]			Code Ref.
		W	H	Header	Joist	Uplift (160)	Floor (100)	Roof[2] (125)	
OU46	7	3⁹⁄₁₆	5	2-¾	1-¾	685	1270	1590	170
OU48	7	3⁹⁄₁₆	7	4-¾	2-¾	1365	2545	3175	
OU410	7	3⁹⁄₁₆	9	4-¾	2-¾	1365	2545	3175	
OU412	7	3⁹⁄₁₆	11	6-¾	3-¾	2050	3815	4765	
OU414	7	3⁹⁄₁₆	13	6-¾	3-¾	2050	3815	4765	
OU68	7	5½	7	4-¾	2-¾	1365	2545	3175	
OU610	7	5½	9	4-¾	2-¾	1365	2545	3175	
OU612	7	5½	11	6-¾	3-¾	2050	3815	4765	
OU614	7	5½	13	6-¾	3-¾	2050	3815	4765	
OU810	7	7½	9	4-¾	2-¾	1365	2545	3175	
OU812	7	7½	11	6-¾	3-¾	2050	3815	4765	
OU814	7	7½	13	6-¾	3-¾	2050	3815	4765	

1. Load values allowed assume a carrying member of not less than 3½".
2. Roof loads are 125% of floor loads unless a limited by other criteria. Floor loads may be adjusted for other load durations according to the code provided they do not exceed those in the roof column.
3. Additional glulam beam widths are available. Add an "X" to the name and specify width, i.e. OU68X, W = 5.25.
4. Skew and slope options not available.

STANDOFF BASES

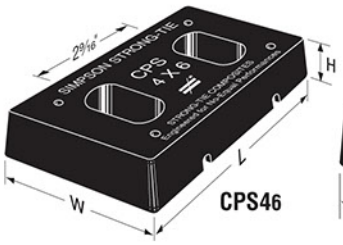
The **PBV** is a hidden standoff post base. Two different sizes fit a variety of posts shapes.
MATERIAL: 14 gauge galvanized steel
FINISH: Textured powder-coated flat black paint or galvanized
ORDER: For powder-coated flat black, order PBV6PC or PBV10PC. For galvanized coating, order PBV6 or PBV10. For kit containing Simpson Strong-Tie® Strong-Drive® screws (SDS), RFB bolt, SET 1.7 adhesive, and powder-coated PBV, order PBV6KT or PBV10KT.

The **CPS** is a Composite Plastic Standoff designed for increased concrete surface area.
MATERIAL: Engineered composite plastic
INSTALLATION: PBV and CPS

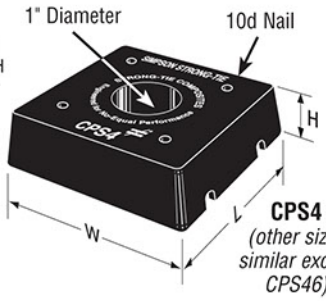
Post:
- Drill a ¾" diameter hole, 10" into the center of the post.
- Clean out dust. Fill hole halfway with Simpson Strong-Tie® SET Epoxy-Tie® adhesive.
- Insert all-thread rod and allow epoxy to set and cure.
- Secure standoff to post using four 10d nails except PBV which uses four Simpson Strong-Tie SDS screws.

Concrete:
- Drill a ¾" diameter hole per anchor design *(see footnote 2 below)*.
- Clean out dust. Fill hole halfway with Simpson Strong-Tie SET Epoxy-Tie adhesive. Insert post subassembly into hole and allow epoxy to set and cure.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations *(such as fences or unbraced carporting)*.

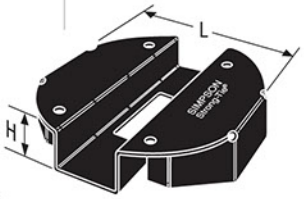
CODES: See page 13 for Code Reference Key Chart.



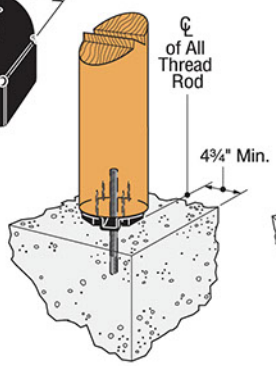
CPS46



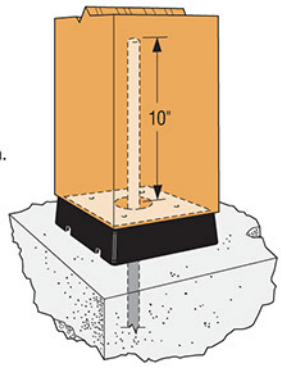
CPS4
(other sizes similar except CPS46)



PBVPC



Typical PBV6PC Installation



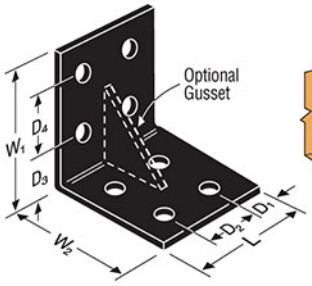
Typical CPS4 Installation

Model No.	Post or Column Size	Dimensions L	W	H	Fasteners Post	Anchor Bolt	Allowable Loads Uplift	Down[3]	Code Ref.
CPS4	4x4	3¼	3¼	1	4-10d	⅝"	4490	5195	170
CPS46	4x6	5⁵⁄₁₆	3⁵⁄₁₆	1	4-10d	2-⅝"	4490	5865	
CPS5	5x5	4⅛	4⅛	1	4-10d	⅝"	4490	5865	
CPS6	6x6	5⁵⁄₁₆	5⁵⁄₁₆	1	4-10d	⅝"	4490	7745	
CPS7	8x8	7¼	7¼	1¼	4-10d	⅝"	4490	8315	
PBV6PC	6" Dia	5¼	—	1	4-SDS¼x3	⅝"	3800	9250	F1
PBV10PC	10" Dia	9⁹⁄₁₆	—	1	4-SDS¼x3	⅝"	3800	19225	

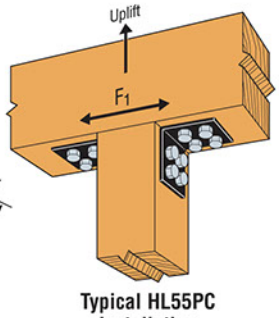
1. Allowable uplift load capacities are for solid sawn posts with specific gravity of 0.36 minimum except the PBV, which is based on round "Viga" *(Ponderosa Pine)* wood posts.
2. All allowable uplift loads are based on a lowest ultimate load from testing divided by a reduction factor of 4. Concrete anchorage to be designed by others, refer to Simpson Strong-Tie® *Anchoring and Fastening Systems for Concrete and Masonry* catalog *(form C-SAS, see page 228 for details)*. 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)*.
4. Allowable loads may not be increased for short term loading.
5. **NAILS:** 10d = 0.148" dia. x 3" long. See page 22-23 for other nail sizes and information.

HL – HEAVY ANGLES & GUSSETS

Versatile angle gussets and heavy angles promote standardization and construction economy, and are compatible with Simpson Strong-Tie® structural hardware.
FINISH: Textured powder-coated flat black paint, Simpson Strong-Tie® gray paint and also available galvanized
TO ORDER: All products with PC suffix are textured powder-coated flat black paint. 7 gauge products without the PC suffix are galvanized. 3 gauge products without the PC suffix are Simpson Strong-Tie gray paint.
OPTIONS: Gussets may be added to HL models when L ≥ 5". Specify G after numbers in model number as in HL46GPC.
CODES: See page 13 for Code Reference Key Chart.

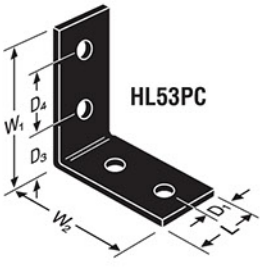


HL55PC



Typical HL55PC Installation

Model No.	Ga	Dimensions W₁ & W₂	L	D₁	D₂	D₃	D₄	Bolts (Total) Qty	Dia	Allowable Loads Uplift	F₁	Code Ref.
HL33PC	7	3¼	2½	1¼	—	2	—	2	½	910	1580	170
HL35PC	7	3¼	5	1¼	2½	2	—	4	½	910	1580	
HL37PC	7	3¼	7½	1¼	2½	2	—	6	½	910	1580	
HL53PC	7	5¾	2½	1¼	—	2	2½	4	½	910	1580	
HL55PC	7	5¾	5	1¼	2½	2	2½	8	½	910	1580	
HL57PC	7	5¾	7½	1¼	2½	2	2½	12	½	910	1580	
HL43PC	3	4¼	3	1½	—	2¾	—	2	¾	1555	1580	
HL46PC	3	4¼	6	1½	3	2¾	—	4	¾	1555	2025	
HL49PC	3	4¼	9	1½	3	2¾	—	6	¾	1555	2025	
HL73PC	3	7¼	3	1½	—	2¾	3	4	¾	1555	2025	
HL76PC	3	7¼	6	1½	3	2¾	3	8	¾	2115	3800	
HL79PC	3	7¼	9	1½	3	2¾	3	12	¾	2115	3800	



HL53PC

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Use 0.85 times table load for Hem Fir.
3. Parts should be centered on the face of the member to which they are attached.
4. Wood members for the '3' and '5' series must have a minimum width and thickness of 3½" for table loads to apply.
5. Wood members for the '4' and '7' series must have a minimum width and thickness of 5⅛" for table loads to apply.
6. Parts must be used in pairs. Lag bolts of equal diameter *(minimum 5" long)* may be substituted for machine bolts into beam with no reduction in load.