

Indoor Architectural Products

Indoor Architectural Products consist of aesthetically pleasing, pre-finished connectors and innovative concealed joist ties designed for exposed wood applications. These connectors provide structural performance while adding a unique appearance feature to a project. There are two styles available to meet different design needs. The Classic Collection features modern smooth edges and clean lines that work as well in a contemporary loft as they would in a century-old warehouse. The Rustic Collection features notched detailing to create the look and feel of a rugged cabin. Used with heavy timbers and beams, these connectors have an antique quality. The product group also features specialty connectors that can stand alone or work with any classic or rustic design. This group includes bearing plates, specialty joist hangers and custom plates.

- **Architectural Finishes**

Eliminate time-consuming prep work and costly field painting. Available finishes include 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 black powder coat unless otherwise noted. Most are also available with a galvanized coating or gray primer. Contact Simpson Strong-Tie for availability.

strongtie.com/apg

Product information for the Classic Collection connectors can be found on pp. 78–79 and pp. 90–91.



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Classic and Rustic Collection (cont.)

Material: As noted in tables

Finish: Black powder coat

Installation:

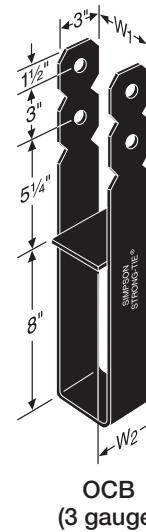
- Use all specified fasteners; see General Notes

Codes: See p. 11 for Code Reference Key Chart

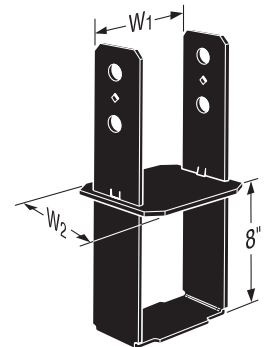
Column Bases

Model No.	Ga.	Dimensions (in.)		Bolts		DF/SP/SPF/HF Allowable Uplift Loads (160)				Code Ref.
						Wind		Seismic		
		W ₁	W ₂	Qty.	Dia.	Uncracked	Cracked	Uncracked	Cracked	
OCB44	3	3 ⁹ / ₁₆	3 ¹ / ₂	2	5/8"	6,445	4,510	5,640	3,945	—
OCB46	3	3 ⁹ / ₁₆	5 ¹ / ₂	2	5/8"	6,445	4,510	5,640	3,945	
OCB48	3	3 ⁹ / ₁₆	7 ¹ / ₂	2	5/8"	6,445	4,510	5,640	3,945	
OCB66	3	5 ¹ / ₂	5 ¹ / ₂	2	5/8"	6,445	4,510	5,640	3,945	
OCB88	3	7 ¹ / ₂	7 ¹ / ₂	2	3/4"	6,445	4,510	5,640	3,945	
OCB810	3	7 ¹ / ₂	9 ¹ / ₂	2	3/4"	6,445	4,510	5,640	3,945	

1. Allowable loads have been increased 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 CBs.
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 installations that lack top support (such as fences or unbraced carports).



OCB
(3 gauge)

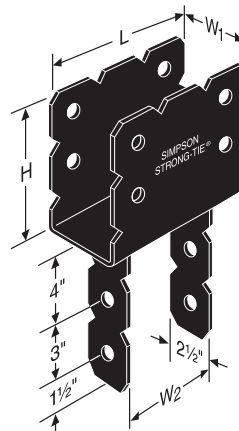


CBPC Classic
(see pp. 78–79 for model no. and allowable loads)

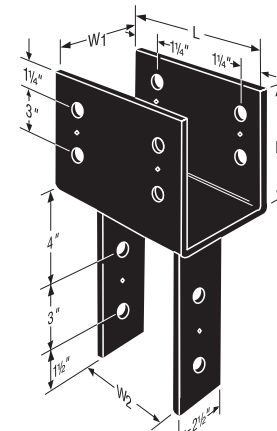
Column Caps

Model No.	Ga.	Dimensions (in.)				Bolts				DF/SP Allowable Loads		Code Ref.
						Beam		Post		Uplift (160)	Down (100)	
		W ₁	W ₂	L	H	Qty.	Dia.	Qty.	Dia.			
OCC44	3	3 ⁹ / ₁₆	3 ⁹ / ₁₆	9	4 ¹ / ₂	2	5/8"	2	5/8"	1,465	15,310	—
OCC46	3	3 ⁹ / ₁₆	5 ¹ / ₂	12	7 ¹ / ₂	4	5/8"	2	5/8"	2,800	24,060	
OCC66	3	5 ¹ / ₂	5 ¹ / ₂	12	7 ¹ / ₂	4	5/8"	2	5/8"	4,040	30,250	
OCC68	3	5 ¹ / ₂	7 ¹ / ₂	12	7 ¹ / ₂	4	5/8"	2	5/8"	4,040	37,810	
OCC88	3	7 ¹ / ₂	7 ¹ / ₂	15	7 ¹ / ₂	4	3/4"	2	3/4"	7,440	54,600	

1. Uplift loads have been increased for earthquake or wind 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.
3. Downloads shall be reduced where limited by capacity of the post.
4. Post sides are assumed to lie in the same vertical plane as the beam sides.



OCC
(3 gauge)



CCPC Classic
(see pp. 90–91 for model no. and allowable loads)

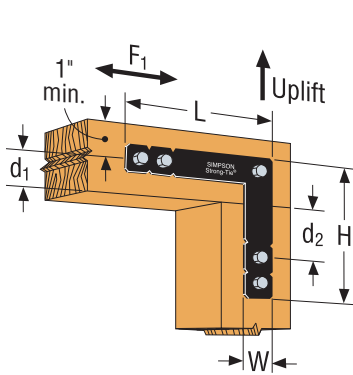
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Classic and Rustic Collection (cont.)

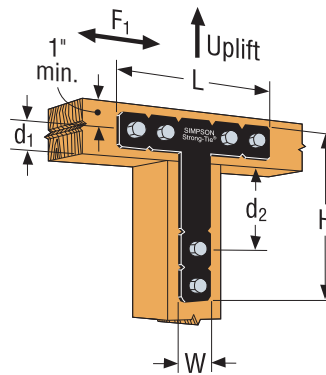
Beam-to-Column Ties

Model No.	Ga.	Dimensions (in.)			Minimum Bolt End and Edge Distances (in.)		Bolts		DF/SPF Allowable Loads		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"	1,435	565	—
OHL	7	2½	12	12	2½	4¾	5	⅝"	1,535	565	
OT	12	2	12	12	2	3½	6	½"	2,585	815	
OHT	7	2½	12	12	2½	4¾	6	⅝"	2,585	815	

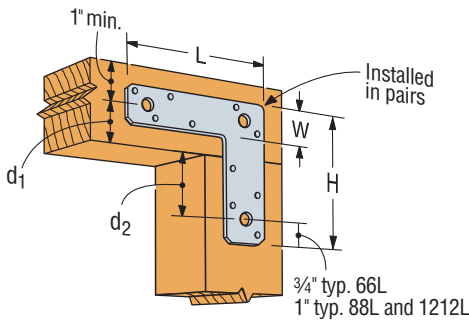
1. OL, OHL, OT, and OHT must be installed in pairs, with bolts in double shear. A single part with bolts in single shear is not load rated.
2. Allowable loads are based on a minimum member thickness of 3½".
3. OT, OHT loads assume a continuous beam.



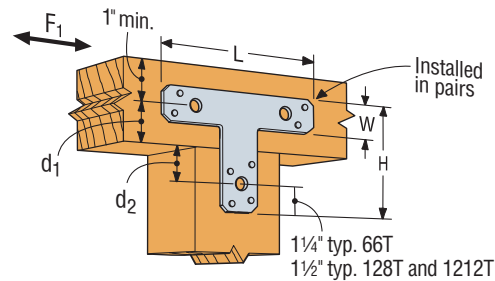
Typical OL/OHL Installation



Typical OT/OHT Installation



Typical L Installation
(see p. 294 for model no. and allowable loads)

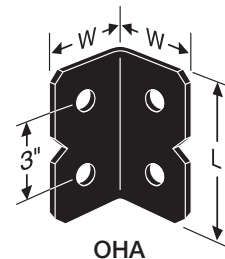


Typical T Installation
(see p. 294 for model no. and allowable loads)

These can be ordered with black powder coat.

Heavy Angles

Model No.	Ga.	Dimensions (in.)		Bolts		Code Ref.
		W	L	Qty.	Dia.	
OHA33	7	3½	3	2	¾"	—
OHA36	7	3½	6	4	¾"	



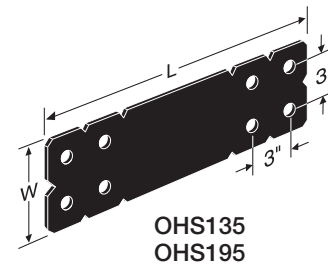
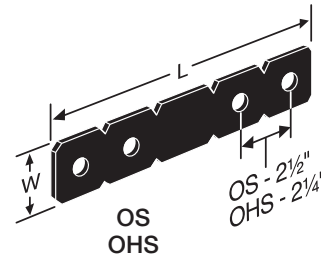
OHA

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Classic and Rustic Collection (cont.)

Strap Ties

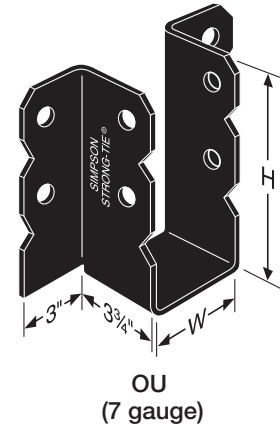
Model No.	Ga.	Dimensions (in.)		Bolts		DF/SP/SPF/HF Allowable Loads	Code Ref.
		W	L	Qty.	Dia.	Tension/Uplift	
						(160)	
OS	12	2	12	4	½"	1,565	—
OHS	7	2½	12	4	⅝"	2,015	
OHS135	7	6	13½	4	¾"	5,045	
OHS195	7	6	19½	8	¾"	10,085	



1. Allowable loads have been increased 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 bolts in single shear. Straps must be centered at the 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.

Joist Hangers

Model No.	Ga.	Dimensions (in.)		Bolts		DF/SP Allowable Loads			Code Ref.
		W	H	Header	Joist	Uplift (160)	Floor (100)	Roof (125)	
OU46	7	3¾	5	(2) ¾	(1) ¾	685	1,255	1,560	—
OU48	7	3¾	7	(4) ¾	(2) ¾	1,365	2,510	3,120	
OU410	7	3¾	9	(4) ¾	(2) ¾	1,365	2,510	3,120	
OU412	7	3¾	11	(6) ¾	(3) ¾	2,050	3,770	4,680	
OU414	7	3¾	13	(6) ¾	(3) ¾	2,050	3,770	4,680	
OU68	7	5½	7	(4) ¾	(2) ¾	1,365	2,510	3,120	
OU610	7	5½	9	(4) ¾	(2) ¾	1,365	2,510	3,120	
OU612	7	5½	11	(6) ¾	(3) ¾	2,050	3,770	4,680	
OU614	7	5½	13	(6) ¾	(3) ¾	2,050	3,770	4,680	
OU810	7	7½	9	(4) ¾	(2) ¾	1,365	2,510	3,120	
OU812	7	7½	11	(6) ¾	(3) ¾	2,050	3,770	4,680	
OU814	7	7½	13	(6) ¾	(3) ¾	2,050	3,770	4,680	



1. Load values allowed assume a carrying member of not less than 3½".
2. Roof loads are 125% of floor loads unless limited by other criteria. Floor loads may be adjusted for 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 — e.g., OU68X, W = 5.25.
4. Skew and slope options are not available.

Indoor Architectural Products

Ornamental — Joist Hanger

The OHU ornamental joist hangers are heavy-duty, load-rated joist hangers that are attached with ¼" x 3" Strong-Drive® double-barrier coating SDS Heavy-Duty Connector screws (supplied with product).

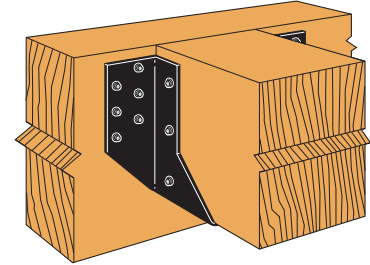
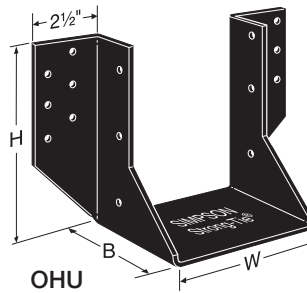
Material: 12 gauge

Finish: Black powder coat

Options:

- No modifications

Codes: See p. 11 for Code Reference Key Chart



Typical OHU Installation

Model No.	Joist Size	Ga.	Dimensions (in.)			No. of ¼" x 3" SDS Wood Screws		DF/SP Allowable Loads				SPF/HF Allowable Loads				Code Ref.
			W	H	B	Face	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
OHU46-SDS3	4x6	12	3 ⁹ / ₁₆	5	4	6	4	1,930	2,520	2,900	3,150	1,390	1,800	2,070	2,250	
OHU48-SDS3	4x8	12	3 ⁹ / ₁₆	6 ³ / ₄	4	8	6	2,765	3,360	3,865	4,200	1,990	2,400	2,760	3,000	
OHU410-SDS3	4x10	12	3 ⁹ / ₁₆	8 ³ / ₄	4	12	6	2,765	5,040	5,795	6,300	1,990	3,600	4,140	4,500	
OHU412-SDS3	4x12	12	3 ⁹ / ₁₆	10 ³ / ₄	4	12	8	3,565	5,040	5,795	6,300	2,570	3,600	4,140	4,500	
OHU414-SDS3	4x14	12	3 ⁹ / ₁₆	12 ³ / ₄	4	14	10	3,565	5,880	6,760	7,350	2,570	4,200	4,830	5,250	
OHU66-SDS3	6x6	12	5 ¹ / ₂	5	4	6	4	1,930	2,520	2,900	3,150	1,390	1,800	2,070	2,250	
OHU68-SDS3	6x8	12	5 ¹ / ₂	7	4	12	6	2,765	5,040	5,795	5,955	1,990	3,600	4,140	4,290	
OHU610-SDS3	6x10	12	5 ¹ / ₂	9	4	14	6	2,765	5,880	6,760	6,885	1,990	4,200	4,830	4,960	
OHU612-SDS3	6x12	12	5 ¹ / ₂	11	4	16	8	3,565	6,720	7,730	7,815	2,570	4,800	5,520	5,630	
OHU614-SDS3	6x14	12	5 ¹ / ₂	13	4	18	10	3,565	7,560	8,695	8,745	2,570	5,400	6,210	6,300	

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.

2. **Fasteners:** SDS screws are Simpson Strong-Tie® Strong-Drive SDS Heavy-Duty Connector screws. See pp. 21–22 for fastener information.

Special Order Parts

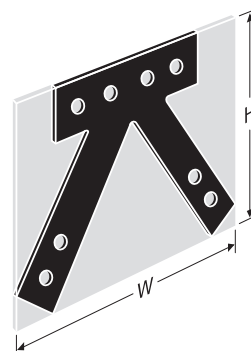
Simpson Strong-Tie can make a variety of flat and bent steel shapes, which include gusset plates for heavy timber trusses, custom ornamental shapes and retaining plates.

Material: 3 gauge maximum

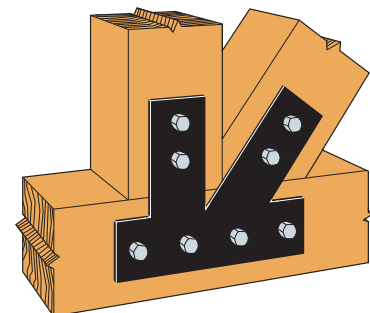
Finish: Galvanized, black powder coat, Simpson Strong-Tie gray paint, stainless steel. Contact Simpson Strong-Tie for availability.

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" x 48" (approx. ¼" 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 p. 17 for additional information



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



Typical Installation
(plate shown has black powder coat)

Indoor Architectural Products

UA/HUA — Heavy-Duty Joist Hangers

The UA/HUA hangers are heavy-duty, load-rated joist hangers that are attached with ¼" x 3" Strong-Drive® SDS Heavy-Duty Connector screws (supplied with product). These hangers can be ordered hot-dip galvanized for exterior use.

Finish: Black paint, black powder coat or hot-dip galvanized

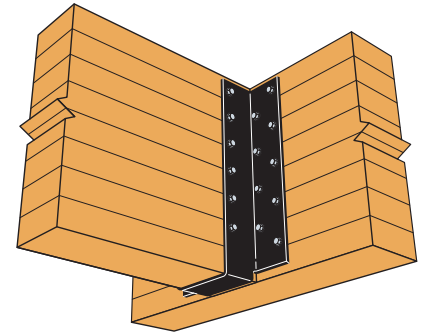
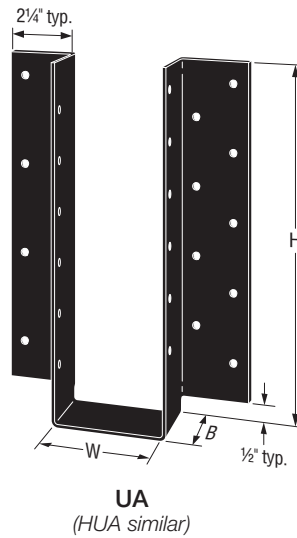
Ordering:

Specify model number, W dimension and finish.

Ordering Examples:

- UA9 – W = 4.625 (For 3-ply 2x10) black paint.
- HUA24PC – W = 6.875 (For 6¾ x 24 glulam)
PC = Powder Coated.
- UA15HDG – W = 5.375 (For 5¼ x 16 PSL)
HDG = Hot-Dip Galvanized.
- HUA available with concealed flanges.
Specify HUAC.

Codes: See p. 11 for Code Reference Key Chart



Typical UA12 Installation

These products are available with additional corrosion protection. For more information, see p. 14.

Model No.	Ga.	Dimensions (in.)					SDS Fasteners		DF/SP Allowable Loads				SPF/HF Allowable Loads				Code Ref.
		H	W		B	Face			Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (160)	Floor (100)	Snow (115)	
			Min.	Max.													
UA6	12	5¾	3½	7¼	2¼	(10) ¼" x 3"	(4) ¼" x 3"	1,930	4,050	4,050	4,050	1,390	2,915	2,915	2,915		
UA7.5	12	7¼	3½	7¼	2¼	(12) ¼" x 3"	(6) ¼" x 3"	2,765	5,040	5,285	5,285	1,990	3,600	3,805	3,805		
UA9	12	8¾	3½	7¼	2¼	(14) ¼" x 3"	(8) ¼" x 3"	3,565	5,880	6,520	6,520	2,570	4,200	4,695	4,695		
UA10.5	12	10¼	3½	7¼	2¼	(16) ¼" x 3"	(10) ¼" x 3"	4,600	6,720	7,730	7,750	3,310	4,800	5,520	5,580		
UA12	12	11¾	3½	7¼	2¼	(18) ¼" x 3"	(12) ¼" x 3"	5,520	7,560	8,695	8,985	3,975	5,400	6,210	6,470		
UA13.5	12	13¼	3½	7¼	2¾	(20) ¼" x 3"	(14) ¼" x 3"	6,440	8,400	9,660	10,500	4,635	6,000	6,900	7,500		
UA15	12	14¾	3½	7¼	2¾	(22) ¼" x 3"	(16) ¼" x 3"	7,360	9,240	10,625	11,550	5,300	6,600	7,590	8,250		
UA16.5	12	16¼	3½	7¼	2¾	(24) ¼" x 3"	(18) ¼" x 3"	8,280	10,080	11,590	12,600	5,960	7,200	8,280	9,000		
UA18	12	17¾	3½	7¼	2¾	(26) ¼" x 3"	(20) ¼" x 3"	9,200	10,920	12,560	13,650	6,625	7,800	8,970	9,750		
HUA19.5	7	19¼	5½	7¼	2¾	(28) ¼" x 3"	(14) ¼" x 3"	6,440	11,760	13,525	14,590	4,635	8,400	9,660	10,440		
HUA22.5	7	22¼	5½	7¼	2¾	(32) ¼" x 3"	(18) ¼" x 3"	8,280	13,440	15,455	16,690	5,960	9,600	11,040	11,940		
HUA24	7	23¾	5½	7¼	2¾	(34) ¼" x 3"	(20) ¼" x 3"	9,200	14,280	16,420	17,740	6,625	10,200	11,730	12,690		

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Downloads are based on $F_{c\perp} = 565$ psi for DF/SP and $F_{c\perp} = 405$ psi for SPF/HF.
3. DF/SP allowable loads may be used for glulam, LVL, LSL, and PSL with minimum specific gravity = 0.50 and minimum $F_{c\perp} = 565$ psi.
4. Specify "W" dimension when ordering.
5. Header height shall be greater than or equal to hanger height.
6. Header thickness shall be 3" minimum.