

CCQ™/ECCQ™

Column Caps



This product is preferable to similar connectors because of (a) easier installation, (b) higher loads, (c) lower installed cost, or a combination of these features.

Column caps provide a strong connection for column-beam combinations. This design uses Strong-Drive® SDS Heavy-Duty Connector screws to provide faster installation and provides a greater net section area of the column compared to bolts. The SDS screws provide for a lower profile compared to standard through bolts.

Material: CCQ3, ECCQ3, CCQ4, CCQ4.62, ECCQ4, ECCQ4.62, CCQ6, ECCQ6 — 7 gauge; all others — 3 gauge

Finish: Simpson Strong-Tie gray paint; available in HDG and stainless steel; CCOQ and ECCOQ — no coating

Installation:

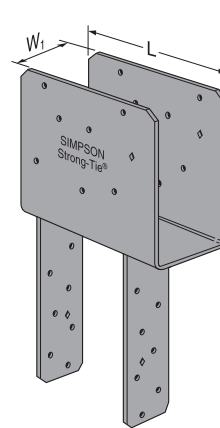
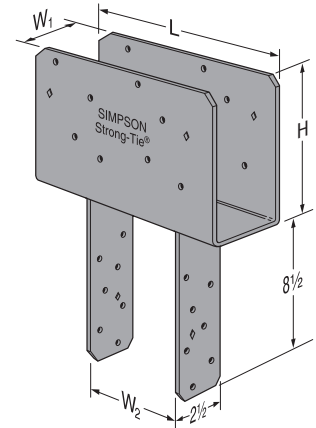
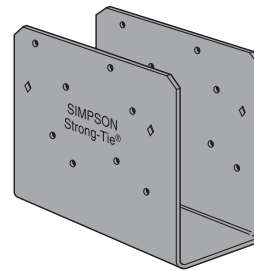
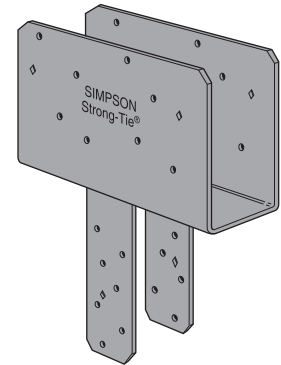
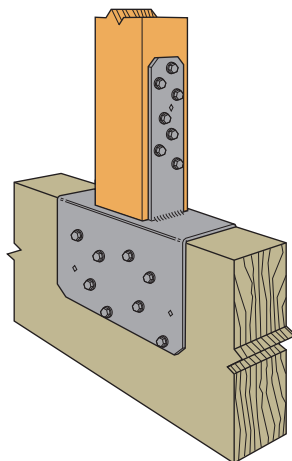
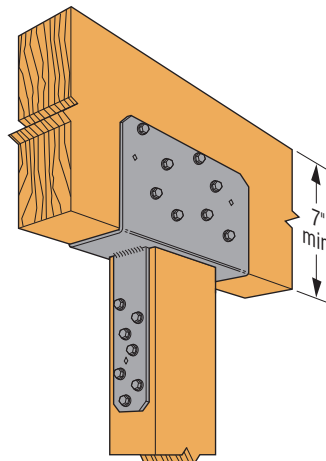
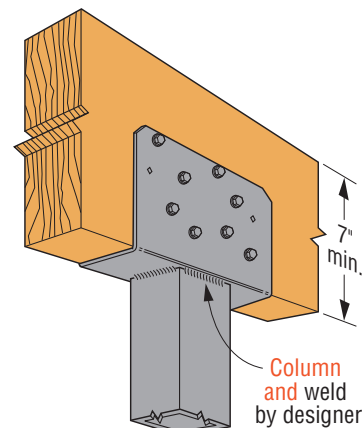
- Install 1/4" x 2 1/2" Strong-Drive SDS Heavy-Duty Connector screws, which are provided with the column cap. (Lag screws will not achieve the same load.) Install stainless-steel Strong-Drive screws with stainless-steel connectors.
- CCOQ and ECCOQ column caps only (no straps) may be ordered for field-welding to pipe or other columns. Dimensions are same as CCQ and ECCQ. Weld by designer.
- For rough-cut lumber sizes, provide dimensions. An optional W₂ dimension may be specified with any column size given. (Note that the W₂ dimension on straps rotated 90° is limited by the W₁ dimension.)

Options:

- For end conditions, specify ECCQ.
- Straps may be rotated 90° where W₁ ≥ W₂ and for CCQ5-6.
- Other custom column caps are available. Contact Simpson Strong-Tie.

Codes: See p. 13 for Code Reference Key Chart

Web Applications: Visit app.strongtie.com/pbs to access our Post-to-Beam Selector web application.


ECCQ46SDS2.5

CCQ46SDS2.5

CCOQ4-SDS2.5
(no coating)

Optional CCQ with Straps Rotated 90°

Inverted CCQ44SDS2.5
Post-to-Beam Installation

Typical CCQ46SDS2.5
Installation

CCOQ Installation
on Steel Column

Column Caps (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

SS For stainless-steel fasteners, see p. 23.

	Model No.	Beam Width (in.)	Dimensions (in.)					No. of 1/4" x 2 1/2" SDS Screws			DF/SP Allowable Loads				Code Ref.	CCOQ/ECCOQ Model No. (No Legs)
			W1	W2	L		H				CCQ		ECCQ			
					CCQ	ECCQ		Beam	Post	Uplift	Down	Uplift	Down			
														(160)		
SS	CCQ3-4SDS2.5	3 1/8	3 1/4	3 5/8	11	8 1/2	7	16	14	14	5,370	16,980	3,465	6,125	IBC®, FL, LA	CCOQ3-SDS2.5 ECCOQ3-SDS2.5
SS	CCQ3-6SDS2.5	3 1/8	3 1/4	5 1/2	11	8 1/2	7	16	14	14	5,370	21,485	3,465	10,740		CCOQ4-SDS2.5 ECCOQ4-SDS2.5
SS	CCQ44SDS2.5	3 1/2	3 5/8	3 5/8	11	8 1/2	7	16	14	14	5,370	19,020	3,785	7,655		
SS	CCQ46SDS2.5	3 1/2	3 5/8	5 1/2	11	8 1/2	7	16	14	14	6,785	24,065	3,785	12,030		CCOQ4.62-SDS2.5 ECCOQ4.62-SDS2.5
SS	CCQ48SDS2.5	3 1/2	3 5/8	7 1/2	11	8 1/2	7	16	14	14	6,785	24,065	3,785	16,405		
	CCQ4.62-3.62SDS	4 1/2	4 5/8	3 5/8	11	8 1/2	7	16	14	14	5,370	23,390	3,785	9,845		
	CCQ4.62-4.62SDS	4 1/2	4 5/8	4 5/8	11	8 1/2	7	16	14	14	5,370	30,070	3,785	12,655		CCOQ5-SDS2.5 ECCOQ5-SDS2.5
	CCQ4.62-5.50SDS	4 1/2	4 5/8	5 1/2	11	8 1/2	7	16	14	14	6,785	30,940	3,785	15,470		
SS	CCQ5-4SDS2.5	5 1/8	5 1/4	3 5/8	11	8 1/2	7	16	14	14	5,370	26,635	3,785	11,210		CCOQ6-SDS2.5 ECCOQ6-SDS2.5
SS	CCQ5-6SDS2.5	5 1/8	5 1/4	5 1/2	11	8 1/2	7	16	14	14	6,785	28,190	5,355	17,615		
SS	CCQ5-8SDS2.5	5 1/8	5 1/4	7 1/2	11	8 1/2	7	16	14	14	6,785	35,235	5,355	24,025		CCOQ7-SDS2.5 ECCOQ7-SDS2.5
SS	CCQ64SDS2.5	5 1/4, 5 1/2	5 1/2	3 5/8	11	8 1/2	7	16	14	14	5,370	28,585	3,785	12,030		
SS	CCQ66SDS2.5	5 1/4, 5 1/2	5 1/2	5 1/2	11	8 1/2	7	16	14	14	6,785	30,250	3,785	18,905		
SS	CCQ68SDS2.5	5 1/4, 5 1/2	5 1/2	7 1/2	11	8 1/2	7	16	14	14	6,785	37,815	3,785	25,780		CCOQ7.12-SDS2.5 ECCOQ7.12-SDS2.5
SS	CCQ6-7.13SDS2.5	5 1/4, 5 1/2	5 1/2	7 1/8	11	8 1/2	7	16	14	14	6,785	37,815	3,785	24,490		
SS	CCQ74SDS2.5	6 3/4	6 7/8	3 5/8	11	8 1/2	7	16	14	14	5,370	33,490	3,785	15,355		
SS	CCQ76SDS2.5	6 3/4	6 7/8	5 1/2	11	8 1/2	7	16	14	14	6,785	37,125	5,355	24,130		CCOQ8-SDS2.5 ECCOQ8-SDS2.5
	CCQ77SDS2.5	6 3/4	6 7/8	6 7/8	11	8 1/2	7	16	14	14	6,785	48,265	5,355	29,615		
	CCQ78SDS2.5	6 3/4	6 7/8	7 1/2	11	8 1/2	7	16	14	14	6,785	48,265	5,355	32,905		
SS	CCQ7.1-4SDS2.5	7	7 1/8	3 5/8	11	8 1/2	7	16	14	14	5,370	34,730	3,785	18,375		CCOQ9-SDS2.5 ECCOQ9-SDS2.5
SS	CCQ7.1-6SDS2.5	7	7 1/8	5 1/2	11	8 1/2	7	16	14	14	6,785	38,500	5,355	28,875		
	CCQ7.1-7.1SDS2.5	7	7 1/8	7 1/8	11	8 1/2	7	16	14	14	6,785	57,750	5,355	36,750		
	CCQ7.1-8SDS2.5	7	7 1/8	7 1/2	11	8 1/2	7	16	14	14	6,785	52,500	5,355	39,375		CCOQ10-SDS2.5 ECCOQ10-SDS2.5
	CCQ84SDS2.5	7 1/2	7 1/2	3 5/8	11	8 1/2	7	16	14	14	6,785	37,210	5,355	16,405		
	CCQ86SDS2.5	7 1/2	7 1/2	5 1/2	11	8 1/2	7	16	14	14	6,785	41,250	5,355	25,780		
	CCQ88SDS2.5	7 1/2	7 1/2	7 1/2	11	8 1/2	7	16	14	14	6,785	51,565	5,355	35,155		CCOQ9-SDS2.5 ECCOQ9-SDS2.5
	CCQ94SDS2.5	8 3/4	8 7/8	3 5/8	11	8 1/2	7	16	14	14	6,785	47,545	5,355	19,905		
	CCQ96SDS2.5	8 3/4	8 7/8	5 1/2	11	8 1/2	7	16	14	14	6,785	48,125	5,355	31,280		
	CCQ98SDS2.5	8 3/4	8 7/8	7 1/2	11	8 1/2	7	16	14	14	6,785	62,565	5,355	42,655		CCOQ10-SDS2.5 ECCOQ10-SDS2.5
	CCQ106SDS2.5	9 1/4	9 1/2	5 1/2	11	8 1/2	7	16	14	14	6,785	52,250	5,355	32,655		

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Downloads shall be reduced where limited by capacity of the post.
3. Uplift loads do not apply to spliced conditions. Spliced conditions must be detailed by the designer to transfer tension loads between spliced members by means other than the post cap.
4. Spliced conditions must be detailed by the designer to transfer tension loads between spliced members by means other than the column cap.
5. Column sides are assumed to be aligned in the same vertical plane as the beam sides. CCQ4.62 models assume a minimum 3 1/2"-wide post.
6. Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers known as the narrow face. Values in the tables reflect installation into the wide face. See technical bulletin T-C-SCLCLM at strongtie.com for load reductions resulting from narrow-face installations.
7. Beam depth must be a minimum of 7".
8. For 5 1/4" engineered lumber, use 5 1/2" models.
9. CCOQ and ECCOQ welded to a steel column will achieve maximum load listed for the beam and the post cap as CCQ and ECCQ. The steel column width shall match the beam width. Weld by designer.