

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

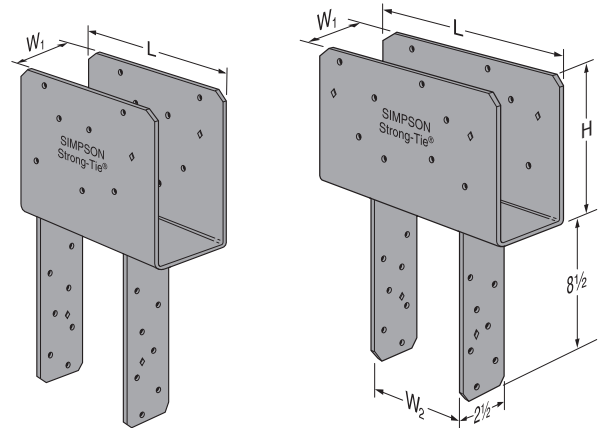
Installation:

- 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:

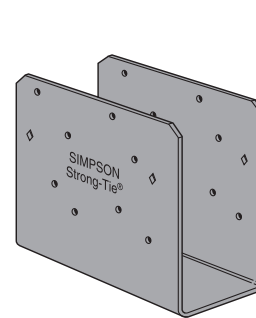
- For end conditions, specify ECCQ.
- Straps may be rotated 90° where W₁ ≥ W₂ and for CCQ5-6.
- Other custom column caps are available. Contact Simpson Strong-Tie.

Codes: See p. 11 for Code Reference Key Chart

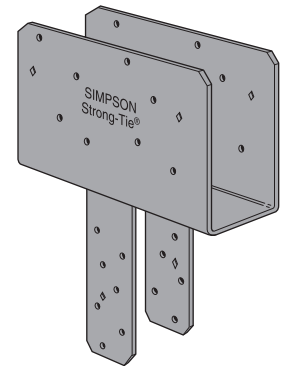


ECCQ46SDS2.5

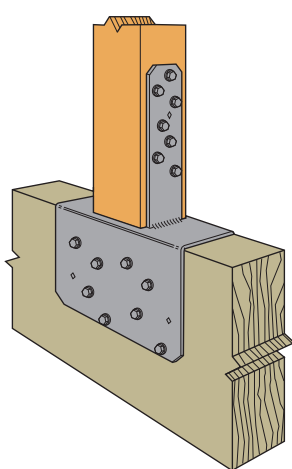
CCQ46SDS2.5



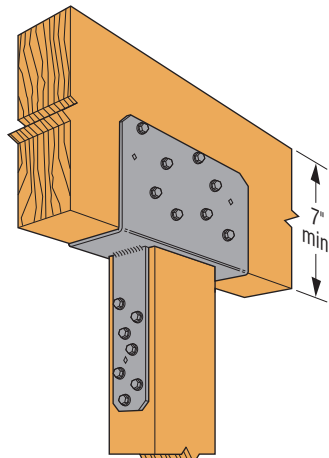
CCOQ4-SDS2.5
(no coating)



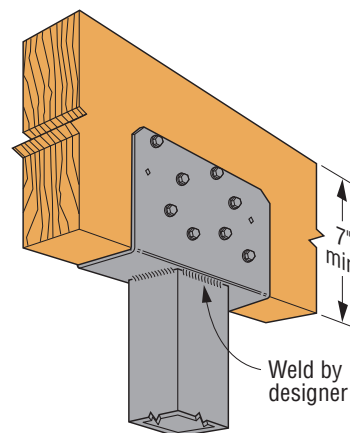
Optional CCQ with Straps Rotated 90°



Inverted CCQ44SDS2.5 Post-to-Beam Installation



Typical CCQ46SDS2.5 Installation



CCOQ Installation on Steel Column

PBS Post-to-Beam Selector

Specify post-to-beam connections

CCQ/ECCQ

Column Caps (cont.)

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

For stainless-steel fasteners, see p. 21.

Model No.	Beam Width (in.)	Dimensions (in.)						No. of 1/4" x 2 1/2" SDS Screws			Allowable Loads (DF/SP)				Code Ref.	CCOQ/ECCOQ Model No. (No Legs)
		W ₁	W ₂	L		H	Beam		Post	CCQ		ECCQ				
				CCQ	ECCQ		Uplift	Down		Uplift	Down					
							CCQ	ECCQ	(160)	(100)	(160)	(100)				
SS CCOQ3-4SDS2.5	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 CCOQ3-6SDS2.5	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 CCOQ44SDS2.5	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		CCOQ4.62-SDS2.5 ECCOQ4.62-SDS2.5	
SS CCOQ46SDS2.5	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		CCOQ5-SDS2.5 ECCOQ5-SDS2.5	
SS CCOQ48SDS2.5	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		CCOQ6-SDS2.5 ECCOQ6-SDS2.5	
CCOQ4.62-3.62SDS	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		CCOQ7-SDS2.5 ECCOQ7-SDS2.5	
CCOQ4.62-4.62SDS	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		CCOQ8-SDS2.5 ECCOQ8-SDS2.5	
CCOQ4.62-5.50SDS	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		CCOQ9-SDS2.5 ECCOQ9-SDS2.5	
SS CCOQ5-4SDS2.5	5 1/8	5 1/4	3 5/8	11	8 1/2	7	16	14	14	5,370	26,635	4,040	11,210		CCOQ10-SDS2.5 ECCOQ10-SDS2.5	
SS CCOQ5-6SDS2.5	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 CCOQ5-8SDS2.5	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			
SS CCOQ64SDS2.5	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 CCOQ66SDS2.5	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 CCOQ68SDS2.5	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			
SS CCOQ6-7.13SDS2.5	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 CCOQ74SDS2.5	6 3/4	6 7/8	3 5/8	11	8 1/2	7	16	14	14	5,370	33,490	4,040	15,355			
SS CCOQ76SDS2.5	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			
CCOQ77SDS2.5	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			
CCOQ78SDS2.5	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 CCOQ71-4SDS2.5	7	7 1/8	3 5/8	11	8 1/2	7	16	14	14	5,370	34,730	4,040	18,375			
SS CCOQ71-6SDS2.5	7	7 1/8	5 1/2	11	8 1/2	7	16	14	14	6,785	38,500	5,355	28,875			
CCOQ71-7.1SDS2.5	7	7 1/8	7 1/8	11	8 1/2	7	16	14	14	6,785	57,750	5,355	36,750			
CCOQ71-8SDS2.5	7	7 1/8	7 1/2	11	8 1/2	7	16	14	14	6,785	52,500	5,355	39,375			
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			
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			
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			

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
- Downloads shall be reduced where limited by capacity of the post.
- 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.
- Spliced conditions must be detailed by the designer to transfer tension loads between spliced members by means other than the column cap.
- Column sides are assumed to be aligned in the same vertical plane as the beam sides. CCOQ4.62 models assume a minimum 3 1/2"-wide post.
- 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.
- Beam depth must be a minimum of 7".
- For 5 1/4" engineered lumber, use 5 1/2" models.
- CCOQ and ECCOQ welded to a steel column will achieve maximum load listed for the beam and the post cap as CCOQ and ECCOQ. The steel column width shall match the beam width. Weld by designer.