

# 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

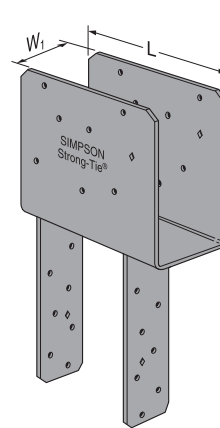
### Installation:

- 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 W<sub>2</sub> dimension may be specified with any column size given. (Note that the W<sub>2</sub> dimension on straps rotated 90° is limited by the W<sub>1</sub> dimension.)

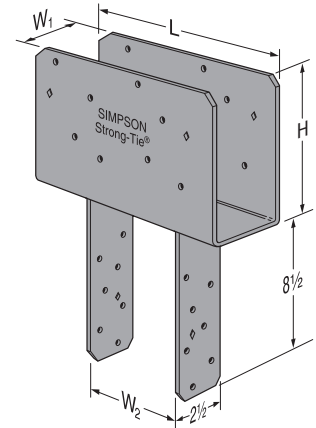
### Options:

- For end conditions, specify ECCQ.
- Straps may be rotated 90° where W<sub>1</sub> ≥ W<sub>2</sub> and for CCQ5-6.
- Other custom column caps are available. Contact Simpson Strong-Tie.

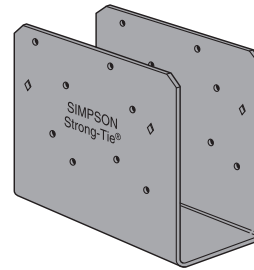
**Codes:** See p. 12 for Code Reference Key Chart



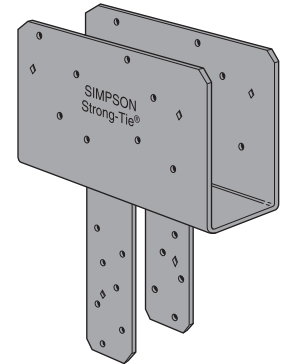
**ECCQ46SDS2.5**



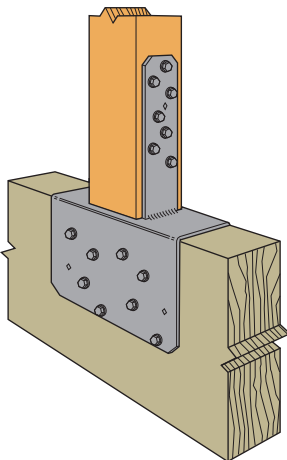
**CCQ46SDS2.5**



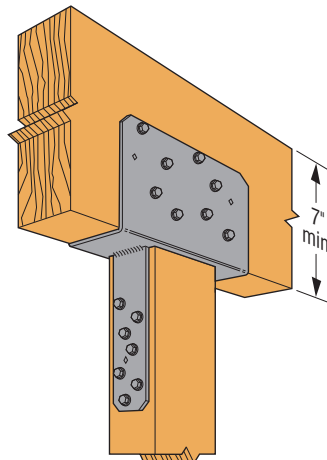
**CCOQ4-SDS2.5**  
(no coating)



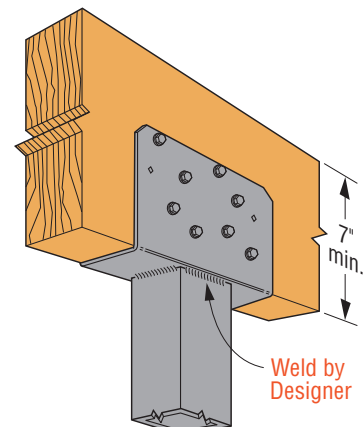
**Optional CCQ with Straps Rotated 90°**



**Inverted CCQ44SDS2.5**  
**Post-to-Beam Installation**



**Typical CCQ46SDS2.5**  
**Installation**



**CCOQ Installation**  
**on Steel Column**

## CCQ/ECCQ

## Column Caps (cont.)

These products are available with additional corrosion protection. For more information, see p. 15.

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.	CCQ/ECCQ Model No. (No Legs)
			W <sub>1</sub>	W <sub>2</sub>	L		H				Beam		Post	CCQ		
					CCQ	ECCQ		Uplift (160)	Down (100)	Uplift (160)	Down (100)					
SS	CCQ3-4SDS2.5	3⅝	3¼	3⅝	11	8½	7	16	14	14	5,370	16,980	3,465	6,125	IBC, FL, LA	CCQ3-SDS2.5 ECCQ3-SDS2.5
SS	CCQ3-6SDS2.5	3⅝	3¼	5½	11	8½	7	16	14	14	5,370	21,485	3,465	10,740		
SS	CCQ44SDS2.5	3½	3⅝	3⅝	11	8½	7	16	14	14	5,370	19,020	3,785	7,655		CCQ4-SDS2.5 ECCQ4-SDS2.5
SS	CCQ46SDS2.5	3½	3⅝	5½	11	8½	7	16	14	14	6,785	24,065	3,785	12,030		
SS	CCQ48SDS2.5	3½	3⅝	7½	11	8½	7	16	14	14	6,785	24,065	3,785	16,405		
SS	CCQ4.62-3.62SDS	4½	4⅝	3⅝	11	8½	7	16	14	14	5,370	23,390	3,785	9,845		CCQ4.62-SDS2.5 ECCQ4.62-SDS2.5
SS	CCQ4.62-4.62SDS	4½	4⅝	4⅝	11	8½	7	16	14	14	5,370	30,070	3,785	12,655		
SS	CCQ4.62-5.50SDS	4½	4⅝	5½	11	8½	7	16	14	14	6,785	30,940	3,785	15,470		
SS	CCQ5-4SDS2.5	5⅝	5¼	3⅝	11	8½	7	16	14	14	5,370	26,635	4,040	11,210		CCQ5-SDS2.5 ECCQ5-SDS2.5
SS	CCQ5-6SDS2.5	5⅝	5¼	5½	11	8½	7	16	14	14	6,785	28,190	5,355	17,615		
SS	CCQ5-8SDS2.5	5⅝	5¼	7½	11	8½	7	16	14	14	6,785	35,235	5,355	24,025		
SS	CCQ64SDS2.5	5¼, 5½	5½	3⅝	11	8½	7	16	14	14	5,370	28,585	3,785	12,030		CCQ6-SDS2.5 ECCQ6-SDS2.5
SS	CCQ66SDS2.5	5¼, 5½	5½	5½	11	8½	7	16	14	14	6,785	33,275	3,785	18,905		
SS	CCQ68SDS2.5	5¼, 5½	5½	7½	11	8½	7	16	14	14	6,785	37,815	3,785	25,780		
SS	CCQ6-7.13SDS2.5	5¼, 5½	5½	7⅞	11	8½	7	16	14	14	6,785	37,815	3,785	24,490		
SS	CCQ74SDS2.5	6¾	6⅞	3⅝	11	8½	7	16	14	14	5,370	33,490	4,040	15,355		CCQ7-SDS2.5 ECCQ7-SDS2.5
SS	CCQ76SDS2.5	6¾	6⅞	5½	11	8½	7	16	14	14	6,785	37,125	5,355	24,130		
SS	CCQ77SDS2.5	6¾	6⅞	6⅞	11	8½	7	16	14	14	6,785	48,265	5,355	29,615		
SS	CCQ78SDS2.5	6¾	6⅞	7½	11	8½	7	16	14	14	6,785	48,265	5,355	32,905		
SS	CCQ7.1-4SDS2.5	7	7⅞	3⅝	11	8½	7	16	14	14	5,370	34,730	4,040	18,375		CCQ7.12-SDS2.5 ECCQ7.12-SDS2.5
SS	CCQ7.1-6SDS2.5	7	7⅞	5½	11	8½	7	16	14	14	6,785	38,500	5,355	28,875		
SS	CCQ7.1-7.1SDS2.5	7	7⅞	7⅞	11	8½	7	16	14	14	6,785	57,750	5,355	36,750		
SS	CCQ7.1-8SDS2.5	7	7⅞	7½	11	8½	7	16	14	14	6,785	52,500	5,355	39,375		
SS	CCQ84SDS2.5	7½	7½	3⅝	11	8½	7	16	14	14	6,785	37,210	5,355	16,405		CCQ8-SDS2.5 ECCQ8-SDS2.5
SS	CCQ86SDS2.5	7½	7½	5½	11	8½	7	16	14	14	6,785	41,250	5,355	25,780		
SS	CCQ88SDS2.5	7½	7½	7½	11	8½	7	16	14	14	6,785	51,565	5,355	35,155		
SS	CCQ94SDS2.5	8¾	8⅞	3⅝	11	8½	7	16	14	14	6,785	47,545	5,355	19,905		CCQ9-SDS2.5 ECCQ9-SDS2.5
SS	CCQ96SDS2.5	8¾	8⅞	5½	11	8½	7	16	14	14	6,785	48,125	5,355	31,280		
SS	CCQ98SDS2.5	8¾	8⅞	7½	11	8½	7	16	14	14	6,785	62,565	5,355	42,655		
SS	CCQ106SDS2.5	9¼	9½	5½	11	8½	7	16	14	14	6,785	52,250	5,355	32,655		CCQ10-SDS2.5 ECCQ10-SDS2.5

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](http://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 as CCQ and ECCQ. The steel column width shall match the beam width. Weld by Designer.