CCQ/ECCQ *Column Caps*

SIMPSON Strong-Tie®

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 high capacity connection for column-beam combinations. This design uses Simpson Strong-Tie® Strong-Drive® screws (SDS) 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, ECCQ4, CCQ6, ECCQ6—7 gauge; all others—3 gauge

FINISH: Simpson Strong-Tie® gray paint, available in HDG; CCOQ and ECCOQ—no coating

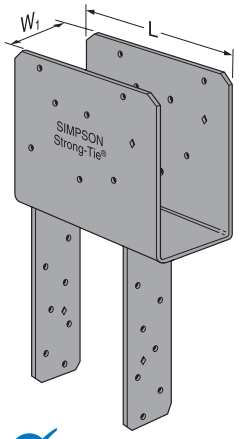
INSTALLATION:

- Install Simpson Strong-Tie SDS ¼"x2½" wood screws, which are provided with the column cap. *(Lag screws will not achieve the same load.)*
- CCOQ and ECCOQ column cap only *(no straps)* may be ordered for field-welding to pipe or other columns. Dimensions are same as CCQ and ECCQ. Load values do not apply.

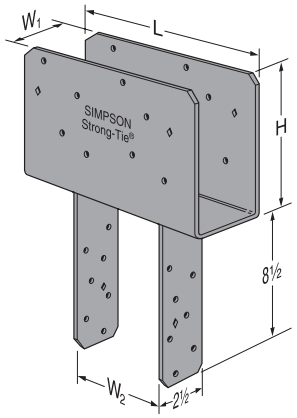
OPTIONS:

- For end conditions, specify ECCQ.
- Straps may be rotated 90° where $W_1 \geq W_2$.

CODES: See page 12 for Code Reference Key Chart.



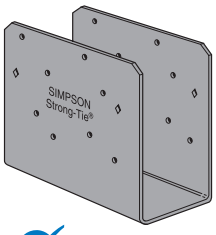
ECCQ46SDS2.5



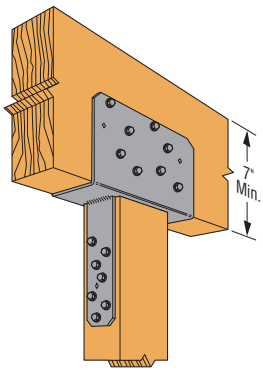
CCQ46SDS2.5

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

Model No.	Beam Width	Dimensions W1	Dimensions W2	Dimensions L CCQ	Dimensions L ECCQ	Dimensions H	No. of[8] SDS ¼"x2½" Screws Beam	No. of[8] SDS ¼"x2½" Screws Post	Allowable Loads CCQ Uplift (160)	Allowable Loads CCQ Down (100)	Allowable Loads ECCQ Uplift (160)	Allowable Loads ECCQ Down (100)	Code Ref.	CCOQ Model No. (No Legs) Loads Do Not Apply
CCQ3-4SDS2.5	3⅛	3¼	3⅝	11	8½	7	16	14	5680	16980	3695	6125	I12, L20, F11	CCOQ3-SDS2.5
CCQ3-6SDS2.5	3⅛	3¼	5½	11	8½	7	16	14	5680	19250	3695	9625		
CCQ44SDS2.5	4x	3⅝	3⅝	11	8½	7	16	14	5680	19020	4040	7655		CCOQ4-SDS2.5
CCQ46SDS2.5	4x	3⅝	5½	11	8½	7	16	14	7145	24065	4040	12030		
CCQ48SDS2.5	4x	3⅝	7½	11	8½	7	16	14	7145	24065	4040	16405		
CCQ5-4SDS2.5	5⅛	5¼	3⅝	11	8½	7	16	14	5680	26635	4040	10045		CCOQ5-SDS2.5
CCQ5-6SDS2.5	5⅛	5¼	5½	11	8½	7	16	14	7245	28190	5535	15785		
CCQ5-8SDS2.5	5⅛	5¼	7½	11	8½	7	16	14	7245	31570	5535	21525		
CCQ64SDS2.5	6x	5½	3⅝	11	8½	7	16	14	5680	28585	4040	12030		CCOQ6-SDS2.5
CCQ66SDS2.5	6x	5½	5½	11	8½	7	16	14	7145	30250	4040	18905		
CCQ68SDS2.5	6x	5½	7½	11	8½	7	16	14	7145	37815	4040	25780		
CCQ6-7.13SDS2.5	6x	5½	7⅛	11	8½	7	16	14	7145	37815	4040	24490	160	
CCQ74SDS2.5	6¾	6⅞	3⅝	11	8½	7	16	14	5680	33490	4040	13230	I12, L20, F11	CCOQ7-SDS2.5
CCQ76SDS2.5	6¾	6⅞	5½	11	8½	7	16	14	7245	37125	5535	20790		
CCQ77SDS2.5	6¾	6⅞	6⅞	11	8½	7	16	14	7245	41580	5535	25515		
CCQ78SDS2.5	6¾	6⅞	7½	11	8½	7	16	14	7245	41580	5535	28350		
CCQ7.1-4SDS2.5	7	7⅛	3⅝	11	8½	7	16	14	5680	34730	4040	18375	160	CCOQ7.1-SDS2.5
CCQ7.1-6SDS2.5	7	7⅛	5½	11	8½	7	16	14	7245	38500	5535	28875		
CCQ7.1-7.1SDS2.5	7	7⅛	7⅛	11	8½	7	16	14	7245	57750	5535	36750		
CCQ7.1-8SDS2.5	7	7⅛	7½	11	8½	7	16	14	7245	52500	5535	39375		
CCQ86SDS2.5	8x	7½	5½	11	8½	7	16	14	7245	41250	5535	25780		CCOQ8-SDS2.5
CCQ88SDS2.5	8x	7½	7½	11	8½	7	16	14	7245	51565	5535	35155		
CCQ96SDS2.5	8¾	8⅞	5½	11	8½	7	16	14	7245	48125	5535	26950		CCOQ9-SDS2.5
CCQ98SDS2.5	8¾	8⅞	7½	11	8½	7	16	14	7245	53900	5535	36750		
CCQ106SDS2.5	10x	9½	5½	11	8½	7	16	14	7245	52250	5535	32655		CCOQ10-SDS2.5



CCOQ4-SDS2.5



Typical CCQ46SDS2.5 Installation

1. Downloads are determined using Fc⊥ equal to: 560 psi for glulam sizes and 625 psi for all others; reduce where end grain bearing or buckling capacity of the column, or other criteria are limiting.
2. Spliced conditions must be detailed by the Designer to transfer tension loads between spliced members by means other than the column cap.
3. Uplift loads do not apply to splice conditions.
4. Post sides are assumed to lie in the same vertical plane as the beam sides.
5. Loads may not be increased for short-term loading.
6. Uplift loads have been increased for wind or earthquake load durations with no further increase allowed; reduce where other load durations govern.
7. Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. Values in the tables reflect installation into the wide face. See technical bulletin T-SCLCOLUMN for values on the narrow face (edge) *(see page 191 for details)*.
8. ECCQ uses 14-SDS screws into the beam and 14-SDS screws into the post.
9. Beam depth must be a minimum 7".
10. For 5¼" engineered lumber, use CCQ 6X or ECCQ 6X models.