Load Tables

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, Call us for details.

For stainless-steel fasteners, see Fastener Types and Sizes Specified for Simpson Strong-Tie Connectors.

Model No.	Beam Width (in.)	Dimensions (in.)				Bolts		Allowable Loads (DF/SP)	
		W1	W2	L	H1	Size	Beam	Uplift	Down
								(160)	(100)
CCO3 1/4	3 1/8	3 1/4	3 5/8	11	6 1/2	5/8	4	7,565	21,485
CCO4	3 1/2	3 5/8	3 5/8	7	4	5/8	2	3,555	24,065
CCO4/6	3 1/2	3 5/8	5 1/2	11	6 1/2	5/8	4	7,675	24,065
CCO4.62	4 1/2	4 5/8	3 5/8	11	6 1/2	5/8	4	7,875	30,940
CCO5 1/4	5 1/8	5 1/4	3 5/8	13	8	3/4	4	8,750	35,235
CCO6	5 1/4, 5 1/2	5 1/2	3 5/8	11	6 1/2	5/8	4	7,900	37,815
CCO7	6 3/4	6 7/8	3 5/8	13	8	3/4	4	8,150	48,265
CCO7 1/8	7	7 1/8	3 5/8	13	8	3/4	4	8,165	57,750
CCO8	7 1/2	7 1/2	3 5/8	13	8	3/4	4	8,190	51,565
CCO9	8 3/4	8 7/8	3 5/8	13	8	3/4	4	8,240	62,565
CCO10	9 1/4	9 1/2	5 1/2	13	8	3/4	4	8,260	65,315

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 allowable loads of the post.
3. Uplift loads do not apply to splice conditions.
4. Splice conditions with CCOs must be detailed by the designer to transfer tension loads between spliced members by means other than the column cap.
5. HSS column width should match beam width. CCO4.62 may use 3 1/2" HSS, CCO6 may use 5" HSS, and CCO8 may use 7" HSS.
6. HSS minimum column depth shall be 3" for W2 = 3 5/8 and 4" for W2 > 3 5/8".
7. HSS column and weld by designer.
8. Beam depth must be at least as tall as H_1.
9. All references to bolts are for structural quality through bolts (not lag screws or carriage bolts) equal to or better than ASTM A307, Grade A.