

CBS/CBSQ Column Bases



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.

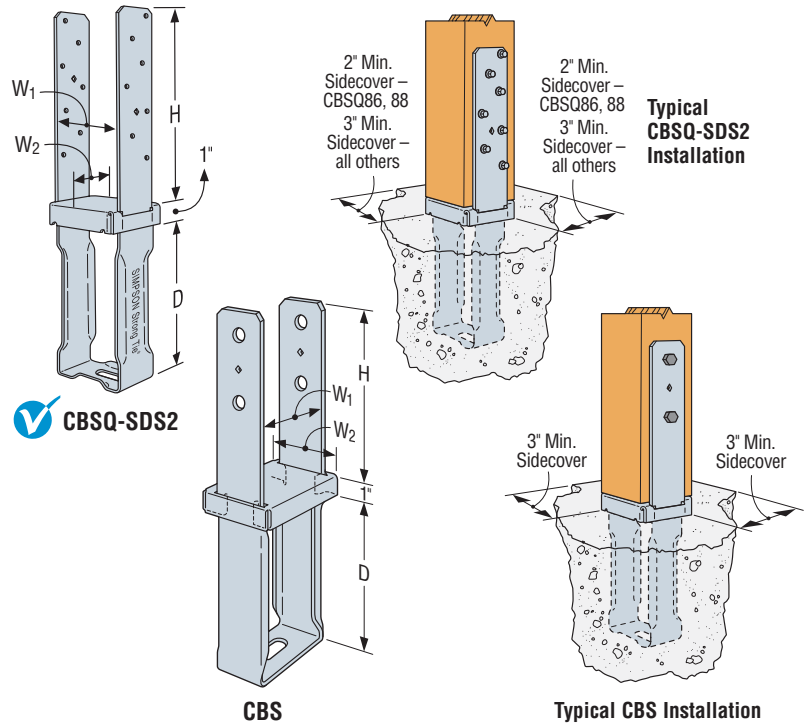
The CBS column base installs with machine bolts and provides tested capacity. The 1" standoff (included) meets code requirements for structural posts installed in basements or exposed to weather or water splash. The CBSQ uses Simpson Strong-Tie® Strong-Drive® SDS Heavy-Duty Connector screws, which allow for fast installation, reduced reveal and high capacity, provides a greater net section area of the column compared to bolts.

MATERIAL: See table **FINISH:** Galvanized, available in HDG
INSTALLATION: • Use all specified fasteners.
See General Notes.

- For CBS, install with two machine bolts.
- For CBSQ, install 1/4"x2" Strong-Drive SDS Heavy-Duty Connector screws, which are provided with the column base. (Lag screws will not achieve the same load.)
- For full loads, a minimum of 3" side cover shall be provided.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations (such as fences or unbraced carports).

ORDERING: To order the CBSQ with screws, specify CBSQ-SDS2. To order without screws, specify CBSQ.

CODES: See page 12 for Code Reference Key Chart.



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.	Nominal Column Size	Material		Dimensions				Machine Bolts		Allowable Loads (DF/SP)			Code Ref.
		Base (Ga)	Strap (Ga x Width)	W ₁	W ₂	D	H	Qty.	Dia.	Non-Cracked Uplift	Cracked Uplift	Download	
Wind and Seismic Design Category A & B													
CBS44	4x4	12	10 ga x 2 1/4	3 1/16	3 1/2	7 1/8	8 3/8	2	5/8	5390	4845	10975	170
CBS46	4x6	12	10 ga x 3	3 1/16	5 1/16	7 13/16	8 11/16	2	5/8	5390	4845	14420	
CBS66	6x6	12	10 ga x 3	5 1/2	5 1/2	6 7/8	8 3/4	2	5/8	4555	3190	14420	
Seismic Design Category C-F													
CBS44	4x4	12	10 ga x 2 1/4	3 1/16	3 1/2	7 1/8	8 3/8	2	5/8	5390	4070	10975	170
CBS46	4x6	12	10 ga x 3	3 1/16	5 1/16	7 13/16	8 11/16	2	5/8	5390	4070	14420	
CBS66	6x6	12	10 ga x 3	5 1/2	5 1/2	6 7/8	8 3/4	2	5/8	3830	2680	14420	

See footnotes below.

Model No.	Nominal Column Size	Material		Dimensions				Simpson Strong-Tie SDS Screws	Allowable Loads DF/SP			Code Ref.
		Base (Ga)	Strap (Ga x Width)	W ₁	W ₂	D	H		Non-Cracked Uplift	Cracked Uplift	Download	
Wind and Seismic Design Category A & B												
CBSQ44-SDS2	4x4	12	10 ga x 2 1/4	3 1/16	3 1/2	7 1/8	8 3/8	14-SDS 1/4"x2"	5390	4845	10975	I28, F1, L27
CBSQ46-SDS2	4x6	12	10 ga x 3	3 1/16	5 1/16	7 13/16	8 11/16	14-SDS 1/4"x2"	5390	4845	14420	
CBSQ66-SDS2	6x6	12	10 ga x 3	5 1/2	5 1/2	6 7/8	8 3/4	14-SDS 1/4"x2"	4555	3190	14420	
CBSQ86-SDS2	6x8	12	7 ga x 3	7 1/2	5 3/8	6 1/8	8 11/16	12-SDS 1/4"x2"	3975	2780	20915	
CBSQ88-SDS2	8x8	12	7 ga x 3	7 1/2	7 7/8	6 1/8	8 11/16	12-SDS 1/4"x2"	3975	2780	22225	
Seismic Design Category C-F												
CBSQ44-SDS2	4x4	12	10 ga x 2 1/4	3 1/16	3 1/2	7 1/8	8 3/8	14-SDS 1/4"x2"	5390	4070	10975	I28, F1, L27
CBSQ46-SDS2	4x6	12	10 ga x 3	3 1/16	5 1/16	7 13/16	8 11/16	14-SDS 1/4"x2"	5390	4070	14420	
CBSQ66-SDS2	6x6	12	10 ga x 3	5 1/2	5 1/2	6 7/8	8 3/4	14-SDS 1/4"x2"	3830	2680	14420	
CBSQ86-SDS2	6x8	12	7 ga x 3	7 1/2	5 3/8	6 1/8	8 11/16	12-SDS 1/4"x2"	3340	2335	20915	
CBSQ88-SDS2	8x8	12	7 ga x 3	7 1/2	7 7/8	6 1/8	8 11/16	12-SDS 1/4"x2"	3340	2335	22225	

1. Loads may not be increased by short-term loading.
2. For higher downloads, solid pack grout under 1" standoff plate before installing CBS or CBSQ into concrete. Base download on column or concrete, according to the code.
3. Concrete shall have a minimum compressive strength, $f'_c = 2500$ psi.
4. Multiply Seismic and Wind ASD load values by 1.4 or 1.6 respectively to obtain LRFD capacities.
5. In accordance with IBC Section 1613.1, detached one- and two-family dwellings in

6. Download shall be reduced where limited by the design capacity of the column. See pages 245-246 for common post allowable loads.
7. Designer is responsible for concrete design.
8. Structural composite lumber columns have sides that either show 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 for load reductions due to narrow face installations.