

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.

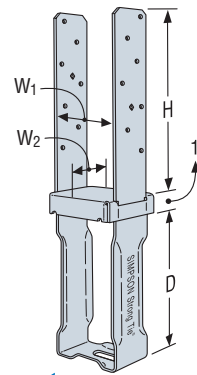
The CBSQ uses Simpson Strong-Tie® SDS screws, which allow for fast installation, reduced reveal and high capacity, provides a greater net section area of the column compared to bolts.

MATERIAL: See table

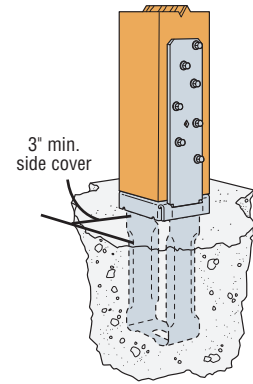
FINISH: Galvanized, available in HDG with HDG screws

INSTALLATION: • Use all specified fasteners. See General Notes.

- Install Simpson Strong-Tie SDS 1/4"x2" wood screws, which are provided with the column base. (Lag screws will not achieve the same load.)
- **Minimum 3" side cover on concrete is required.**
- 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).



CBSQ-SDS2
U.S. Patent 4,924,648



Typical CBSQ-SDS2 Installation

Caps & Bases

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 (in)				Number of Simpson SDS 1/4"x2" Screws	Factored Resistance			
		Base (Ga)	Strap (GaxWidth)	W ₁	W ₂	D	H		D-Fir-L		S-P-F	
									Uplift	Normal	Uplift	Normal
									(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)
lbs	lbs	lbs	lbs									
kN	kN	kN	kN									
CBSQ44-SDS2	4x4	12	10 ga x 2 1/4	3 9/16	3 1/2	7 1/16	8 3/8	14	6760	17975	5950	14765
									30.11	80.07	26.50	65.77
CBSQ46-SDS2	4x6	12	10 ga x 3	3 9/16	5 5/16	7 3/4	8 1 1/16	14	6760	23620	5950	19405
									30.11	105.21	26.50	86.44
CBSQ66-SDS2	6x6	12	10 ga x 3	5 1/2	5 1/2	6 7/8	8 3/4	14	6760	23620	5950	17005
									30.11	105.21	26.50	75.75

1. For higher factored normal resistances, solidly pack grout under 1" standoff plate before installing CBSQ into concrete. Base factored normal resistances on column or concrete, according to the code.
2. 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.
3. Designer is responsible for concrete design.

CBQ Column Bases



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or a combination of these features.

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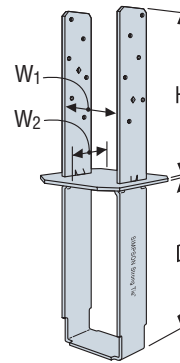
MATERIAL: See table

FINISH: Galvanized, available in HDG with HDG screws; CBQGT—Simpson gray paint

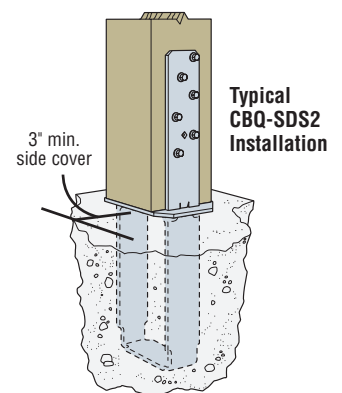
INSTALLATION: • Use all specified fasteners. See General Notes.

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OPTIONS: For rebar option, add "GT" to the model name i.e., CBQGT44-SDS2.



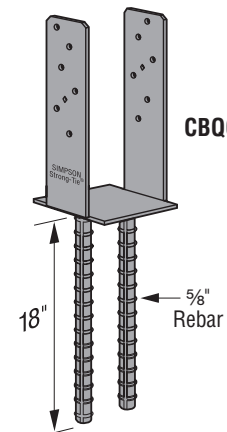
CBQ-SDS2



Typical CBQ-SDS2 Installation

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Model No.	Nominal Column Size	Material		Dimensions (in)				Number of Simpson SDS 1/4"x2" Screws	Factored Uplift Resistance (K _D =1.15)	
		Base (Ga)	Strap (GaxWidth)	W ₁	W ₂	D	H		D-Fir-L	S-P-F
									lbs	lbs
									kN	kN
CBQ44-SDS2	4x4	7	7 ga x 2	3 9/16	3 9/16	8	8 1 1/16	12	5910	5215
									26.33	23.23
CBQ46-SDS2	4x6	7	7 ga x 2	3 9/16	5 1/2	8	8 1 1/16	12	5910	5215
									26.33	23.23
CBQ66-SDS2	6x6	7	7 ga x 3	5 1/2	5 1/2	8	8 1 1/16	12	5910	5215
									26.33	23.23



CBQGT

1. 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.
2. Factored uplift resistance for the CBQGT option is 4350 lbs (19.35 kN).
3. Designer is responsible for concrete design.