

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® Strong-Drive® screws (SDS), 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

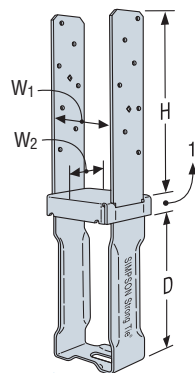
FINISH: Galvanized, available in HDG with HDG screws

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

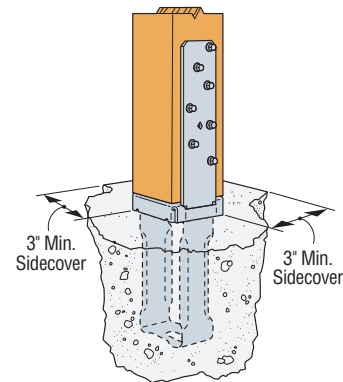
- Install Simpson Strong-Tie SDS ¼"x2" wood screws, which are provided with the column base. (*Lag screws will not achieve the same load.*)
- For full loads, a minimum of 3" side cover shall be provided.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations (*such as fences or unbraced carports*).

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

CODES: See page 12 for Code Reference Key Chart.



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



Typical CBSQ-SDS2 Installation

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				Number of Simpson Strong-Tie SDS Screws	Allowable Loads		Code Ref.
		Base (Ga)	Strap (Ga x Width)	W ₁	W ₂	D	H		Uplift (160)	Down (100)	
CBSQ44-SDS2	4x4	12	10 ga x 2¼	3⅞	3½	7⅞	8¾	14-SDS ¼"x2"	5335	10975	IL11, L16 ⁵
CBSQ46-SDS2	4x6	12	10 ga x 3	3⅞	5⅞	7⅞	8⅞	14-SDS ¼"x2"	5335	14420	
CBSQ66-SDS2	6x6	12	10 ga x 3	5½	5½	6	8¾	14-SDS ¼"x2"	6855	14420	
CBSQ86-SDS2	6x8	12	7 ga x 3	7½	5¾	6⅞	8⅞	12-SDS ¼"x2"	4580	20915	170 ⁵
CBSQ88-SDS2	8x8	12	7 ga x 3	7½	7¾	6⅞	8⅞	12-SDS ¼"x2"	4580	22225	

1. For higher downloads, solidly pack grout under 1" standoff plate before installing CBSQ into concrete. Base download 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. See technical bulletin T-SCLCOLUMN for values on the narrow face (edge) (*see page 191 for details*).

3. Downloads shall be reduced where limited by buckling capacity of the column.
4. Designer is responsible for concrete design.
5. Testing to new ICC-ES acceptance criteria to be completed in 2009. Reference www.strongtie.com for latest loads and information.

CBQ 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 CBQ uses Simpson Strong-Tie® Strong-Drive® screws (SDS), which allows for fast installation, reduced reveal and high capacity, provides a greater net section area of the column compared to bolts.

MATERIAL: See table

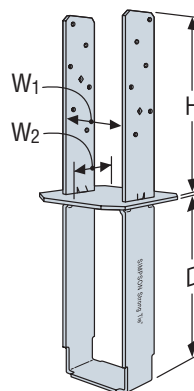
FINISH: Galvanized, available in HDG with HDG screws

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

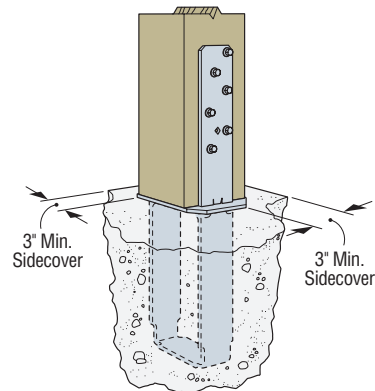
- Install Simpson Strong-Tie SDS ¼"x2" wood screws, which are provided with the column base. (*Lag screws will not achieve the same load.*)
- For full loads, a minimum of 3" side cover shall be provided.
- Install bottom of base plate flush with concrete surface.
- Post bases do not provide adequate 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 with screws, specify CBQ-SDS2. To order without screws, specify CBQ.

CODES: See page 12 for Code Reference Key Chart.



CBQ-SDS2



Typical CBQ-SDS2 Installation

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				Number of Simpson Strong-Tie SDS Screws	Allowable Loads	Code Ref.
		Base (Ga)	Strap (Ga x Width)	W ₁	W ₂	D	H			
CBQ44-SDS2	4x4	7	7 ga x 2	3⅞	3⅞	8	8⅞	12-SDS ¼"x2"	4200	IL11, L16 ⁴
CBQ46-SDS2	4x6	7	7 ga x 2	3⅞	5½	8	8⅞	12-SDS ¼"x2"	4200	
CBQ66-SDS2	6x6	7	7 ga x 3	5½	5½	8	8⅞	12-SDS ¼"x2"	4200	

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. See technical bulletin T-SCLCOLUMN for values on the narrow face (edge) (*see page 191 for details*).
2. Download capacity is based on either the post design or concrete design calculated per code.

3. Designer is responsible for concrete design.
4. Testing to new ICC-ES acceptance criteria to be completed in 2009. Reference www.strongtie.com for latest loads and information.