

Higher strength. Improved corrosion resistance.

SIMPSON
Strong-Tie

Ensure code compliance and stability.

Introducing the new, patent-pending CBST™/CBSTQ™ cast-in-place column bases from Simpson Strong-Tie, now with higher download capacities to boost load performance in residential and light commercial wood-frame construction. These redesigned bases enhance the stability of wooden posts by preventing post movement while maintaining the code-required 1" standoff, ensuring a secure connection to concrete foundations and helping avoid post end rot caused by moisture. S-shaped bearing tabs provide increased strength, allowing for higher downloads.

As the standard finish, the ZMAX® coating provides superior corrosion resistance for outdoor use and when exposed to potential moisture. These new designs replace existing CBS/CBSQ models (excluding CBSQ86 and CBSQ88) and are backed by our expert service and dedicated support.

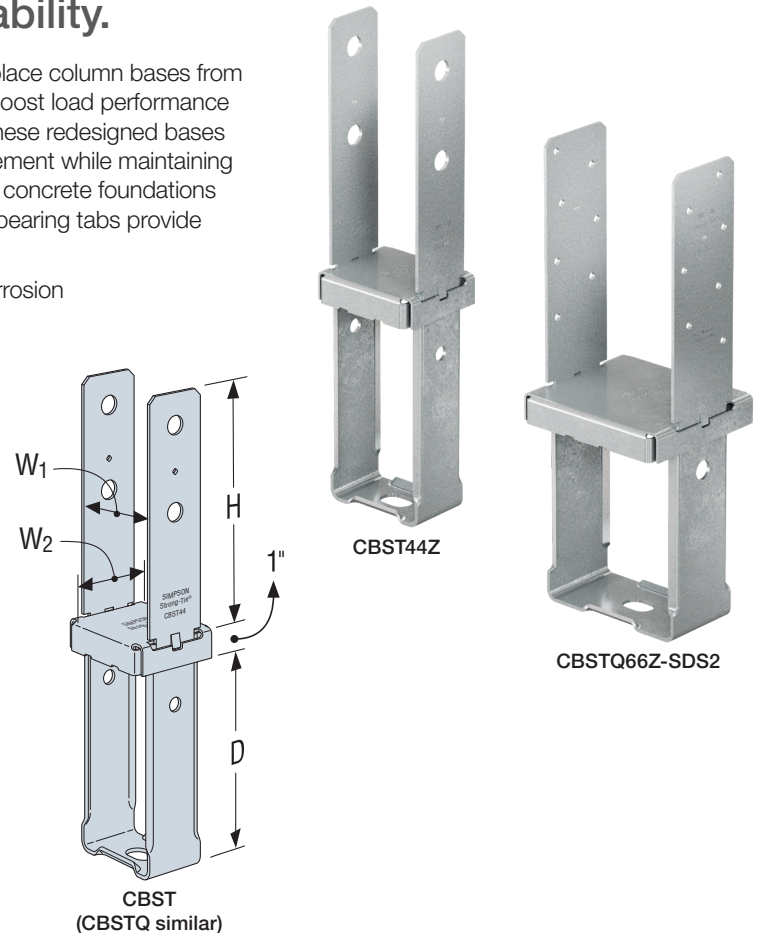
Features

- The code-required 1" standoff design elevates the post off of the concrete, protecting it from moisture and resisting rot
- The S-shaped bearing tabs of the stand-off provide increased strength, allowing for higher downloads
- Corrosion-resistant ZMAX coating for exterior use
- Strong-Drive® SDS Heavy-Duty Connector screws provide a greater wood net section area than bolts (CBSTQ only)

Material: See table

Finish: ZMAX coating; available in HDG

Codes: ESR-3050



Allowable Loads — CBST

Model No.	Nominal Column Size	Material		Dimensions (in.)				Bolts		DF/SP Allowable Loads			Code Ref.
		Base (ga.)	Strap (ga. x Width)	W ₁	W ₂	D	H	Qty.	Dia. (in.)	Uplift		Download	
										Uncracked	Cracked		
Wind and Seismic Design Category A&B													
CBST44Z	4x4	12	10 ga. x 2¼	3⅞	3½	7⅞	8⅞	2	⅝	5,390	4,650	12,060	IBC, FL, LA
CBST46Z	4x6	12	10 ga. x 3	3⅞	5⅞	7⅞	8⅞	2	⅝	5,390	4,650	16,425	
CBST66Z	6x6	12	10 ga. x 3	5½	5½	6⅞	8¾	2	⅝	4,375	3,060	19,290	
Seismic Design Category C–F													
CBST44Z	4x4	12	10 ga. x 2¼	3⅞	3½	7⅞	8⅞	2	⅝	5,390	4,070	12,060	IBC, FL, LA
CBST46Z	4x6	12	10 ga. x 3	3⅞	5⅞	7⅞	8⅞	2	⅝	5,390	4,070	16,425	
CBST66Z	6x6	12	10 ga. x 3	5½	5½	6⅞	8¾	2	⅝	3,830	2,680	19,290	

1. Loads may not be increased for duration of load.
2. For higher downloads, pack grout solid under 1" standoff plate before installation. Base download on column or concrete, according to the code.
3. Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
4. Multiply seismic and wind ASD uplift and lateral load values by 1.43 or 1.67, respectively, to obtain LRFD capacities.
5. In accordance with IBC, Section 1613.1, detached one- and two-family dwellings in *Seismic Design Category (SDC) C* may use "Wind and SDC A&B" allowable loads.
6. Downloads shall be reduced where limited by capacity of the post.
7. Designer is responsible for concrete design.
8. Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers known as the narrow face. The values in the tables reflect installations into the wide face. For installations into the narrow face, published downloads are applicable and uplift load reduction factors must be applied as follows: 1.00 for LSL, 0.90 for PSL, and 0.90 for LVL.
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.

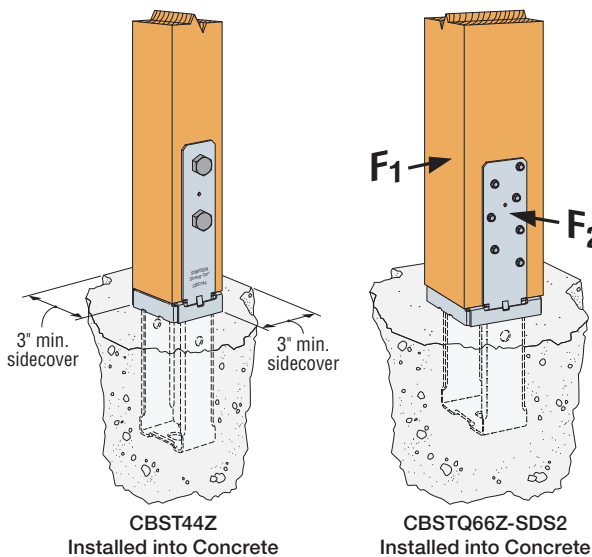
CBST™/CBSTQ™ Column Base



Allowable Loads — CBSTQ

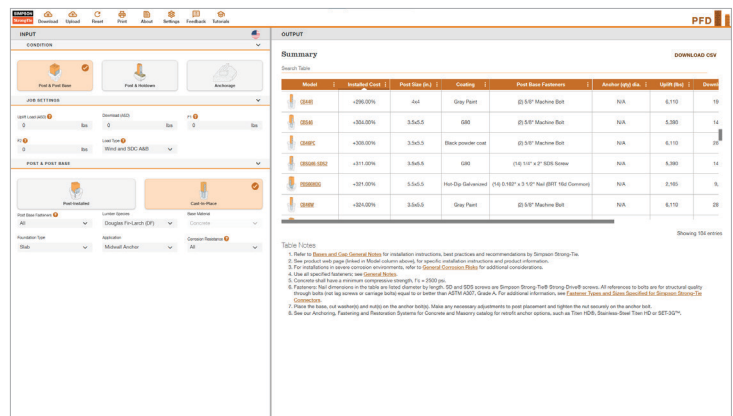
Model No.	Nominal Column Size	Material		Dimensions (in.)				Fasteners	DF/SP Allowable Loads			Code Ref.
		Base (ga.)	Strap (ga. x Width)	W ₁	W ₂	D	H		Uplift		Download	
									Uncracked	Cracked		
Wind and Seismic Design Category A&B												
CBSTQ44Z-SDS2	4x4	12	10 ga. x 2 ¼	3⅝	3½	7⅞	8⅝	(14) ¼ x 2 SDS	5,390	4,650	12,840	IBC, FL, LA
CBSTQ46Z-SDS2	4x6	12	10 ga. x 3	3⅝	5⅝	7 13⁄16	8 11⁄16	(14) ¼ x 2 SDS	5,390	4,650	16,850	
CBSTQ66Z-SDS2	6x6	12	10 ga. x 3	5½	5½	6⅞	8¾	(14) ¼ x 2 SDS	4,375	3,060	19,335	
Seismic Design Category C–F												
CBSTQ44Z-SDS2	4x4	12	10 ga. x 2 ¼	3⅝	3½	7⅞	8⅝	(14) ¼ x 2 SDS	5,390	4,070	12,840	IBC, FL, LA
CBSTQ46Z-SDS2	4x6	12	10 ga. x 3	3⅝	5⅝	7 13⁄16	8 11⁄16	(14) ¼ x 2 SDS	5,390	4,070	16,850	
CBSTQ66Z-SDS2	6x6	12	10 ga. x 3	5½	5½	6⅞	8¾	(14) ¼ x 2 SDS	3,830	2,680	19,335	

1. Loads may not be increased for duration of load.
2. For higher downloads, pack grout solid under 1" standoff plate before installation. Base download on column or concrete, according to the code.
3. Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
4. Multiply seismic and wind ASD uplift and lateral load values by 1.43 or 1.67, respectively, to obtain LRFD capacities.
5. For lateral loads for all CBSTQ models: F_1 allowable = 485 lb., F_2 allowable = 1,270 lb. Minimum 3" side cover required.
6. In accordance with IBC, Section 1613.1, detached one- and two-family dwellings in Seismic Design Category (SDC) C may use "Wind and SDC A&B" allowable loads.
7. Downloads shall be reduced where limited by capacity of the post.
8. Designer is responsible for concrete design.
9. Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers known as the narrow face. The values in the tables reflect installations into the wide face. For installations into the narrow face, published download and lateral loads are applicable and uplift load reduction factors must be applied as follows: 1.00 for LSL, 0.90 for PSL, and 0.90 for LVL.
10. **Fasteners:** SDS screws are Simpson Strong-Tie Strong-Drive® SDS Heavy-Duty Connector screws. See strongtie.com for fastener information.



Post-to-Foundation Designer

The Simpson Strong-Tie® Post-to-Foundation Designer offers a quick way to specify a holdown and the applicable anchorage to meet your project design requirements. Visit go.strongtie.com/pfd to access our Post-to-Foundation Designer web application.



For more information on the CBST/CBSTQ column bases, visit strongtie.com.