

August 04, 2025

SUBJECT: Simpson Strong-Tie® PBST™ product line to replace the PBS product line.

To Whom It May Concern:

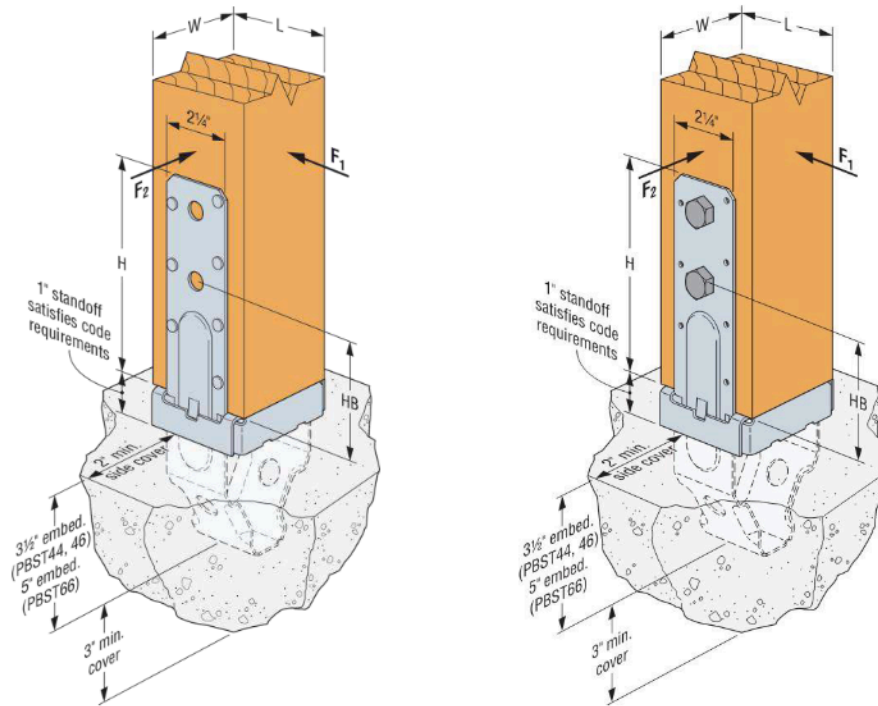
The Simpson Strong-Tie PBSTZ post base series now offers the new PBST44Z, PBST46Z, and PBST66Z to replace the PBS44A, PBS46, and PBS66, respectively. These new PBSTZ post bases are included in the ICC-ES ESR-3050 code report and include ZMAX® coating as standard. The PBST post bases are dimensionally identical to the PBS post bases and allowable uplift loads are unchanged.

The table below shows a comparison of dimensions and allowable loads between the new PBSTZ models and their predecessors.

PBSTZ / PBS Comparison Table

Model No.	Nominal Post Size	Material (ga.)		Dimensions (in.)				Fasteners (in.)		Allowable Loads (lb.)			Code Ref.
		Base	Strap	W	L	H	HB	Nails	Bolts	Uncracked	Cracked	Download	
										Uplift	Uplift		
Wind and Seismic Design Category A&B													
PBST44Z	4x4	12	14	3 9/16	3 1/2	6 1/4	3 7/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,235	865	9,570	IBC®, FL, LA
PBS44A	4x4	12	14	3 9/16	3 1/2	6 1/4	3 7/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,235	865	6,665	
PBST46Z	4x6	12	14	3 9/16	5 7/16	6 9/16	3 3/8	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,235	865	10,170	
PBS46	4x6	12	14	3 9/16	5 7/16	6 9/16	3 3/8	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,235	865	9,335	
PBST66Z	6x6	12	12	5 1/2	5 3/8	6 1/2	3 11/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	2,165	2,165	11,815	
PBS66	6x6	12	12	5 1/2	5 3/8	6 1/2	3 11/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	2,165	2,165	9,335	
Seismic Design Category C–F													
PBST44Z	4x4	12	14	3 9/16	3 1/2	6 1/4	3 7/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,080	755	9,570	IBC, FL, LA
PBS44A	4x4	12	14	3 9/16	3 1/2	6 1/4	3 7/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,080	755	6,665	
PBST46Z	4x6	12	14	3 9/16	5 7/16	6 9/16	3 3/8	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,080	755	10,170	
PBS46	4x6	12	14	3 9/16	5 7/16	6 9/16	3 3/8	(14) 0.162 x 3 1/2	(2) 1/2 dia.	1,080	755	9,335	
PBST66Z	6x6	12	12	5 1/2	5 3/8	6 1/2	3 11/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	2,165	2,165	11,815	
PBS66	6x6	12	12	5 1/2	5 3/8	6 1/2	3 11/16	(14) 0.162 x 3 1/2	(2) 1/2 dia.	2,165	2,165	9,335	

- For higher downloads, pack grout solid under 1" standoff plate before installation. Base download on column or concrete, according to the code.
- Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
- Multiply seismic and wind ASD uplift and lateral load values by 1.43 or 1.67, respectively, to obtain LRFD capacities.
- 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.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for installations that lack top support (such as fences or unbraced carports).
- Downloads shall be reduced where limited by capacity of the post.
- Designer is responsible for concrete design.
- For lateral loads for all PBSTZ models: F_1 allowable = 1,165 lb. when using nails and 230 lb. when using bolts. F_2 allowable = 835 lb. when using either nails or bolts.
- 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. Values in the tables reflect installation into the wide face. See technical bulletin T-C-SCLCLM at strongtie.com for load reductions resulting from narrow-face installations.
- 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.
- Loads may not be increased for duration of load.
- Fasteners: Post bases may be installed with either nails or bolts (not both). Nail dimensions are listed diameter by length. See C-C-2024 pp. 23–24 for fastener information.
- PBS44A, PBS46, and PBS66 allowable loads per ICC-ES ESR-3050 code report.
- PBST44Z, PBST46Z, and PBS66Z allowable loads per ICC-ES ESR-3050 code report.



Typical PBSTZ Installations

The information in this letter is valid until **12/31/2025** when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com for additional pertinent information. If you have questions or need further assistance regarding this matter, contact the Simpson Strong-Tie engineering department at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.