PPBF™

Adjustable Porch Post Base

The PPBF adjustable porch post base safely supports porch framing through all phases of construction, eliminating the need for temporary vertical support and providing a stronger structure for contractors working on and around the porch roof. The seat height of the post base adjusts to accommodate porch-slab thicknesses from 4" to 12", providing contractors with one-time installation of the post base and post at the beginning of construction. This adjustability enables installers to set the post base at the correct height for the later-phase porch-slab pour.

Features:

- Tested and load rated for conditions during framing and after the post base is embedded in concrete
- Available in two sizes to accommodate nominal 4x4 and nominal 6x6 posts
- Accommodates concrete slab thicknesses from 4" to 12" while maintaining a 1" standoff height

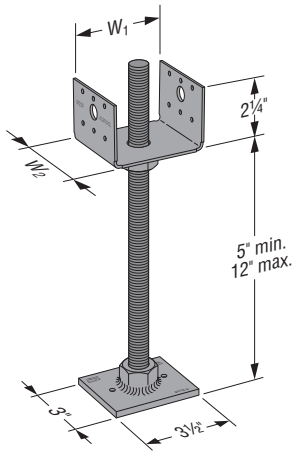
Material: Seat — 12 gauge; base plate — 3 gauge; threaded rod — ¾"-diameter

Finish: Simpson Strong-Tie gray paint

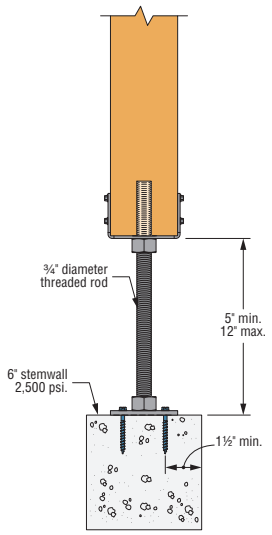
Installation:

- Use all specified fasteners; see General Notes.
- Locate and place PPBF on foundation according to framing plans.
- Secure PPBF to footing with (2) ⅜" x 1¾" Titen Turbo™ hex-head screw anchors located a minimum of 1½" from the edge of concrete.
- Adjust seat height according to length of post specified in framing plans with consideration given for porch slab thickness and standoff (1" min. to 2½" max.). Drill a ⅞" max. diameter hole into bottom of post if necessary or cut all thread rod flush to seat.
- Attach wood post to PPBF using (12) 0.148" x 1½" nails. After bracing the top and bottom of the post from lateral movement, the post may then be loaded in download or uplift.
- When ready, pour concrete porch slab up to 1" from the bottom of the seat of the post base.

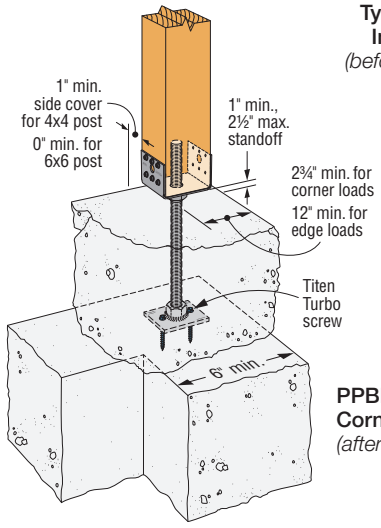
Codes: See p. 13 for Code Reference Key Chart



PPBF44
(PPBF66 similar)



Typical PPBF Installation
(before slab pour)



PPBF44 Corner Installation
(after slab pour)

Model No.	Nominal Column Size	Dimensions (in.)			Fasteners (in.)		Allowable Loads (lb.)					Code Ref.
							Prior to Pour		Embedded into Concrete			
									Uplift (160)[4,5]			
		W_1	W_2	Min. Slab Depth	Foundation Titen Turbo	Post	Uplift (160)	Download (100/125)	Corner	Edge	Download (100/125)	
Wind and Seismic Design Category A & B												
PPBF44	4x4	3½	3¼	4	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	4,630	1,850		4,630	—
PPBF66	6x6	5½	5½	4	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	5,350	1,355		5,350	
Seismic Design Category C–F												
PPBF44	4x4	3½	3¼	4	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	4,630	640	880	4,630	—
PPBF44	4x4	3½	3¼	8	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	4,630	1,180	1,850	4,630	
PPBF66	6x6	5½	5½	4	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	5,350	640	880	5,350	
PPBF66	6x6	5½	5½	8	(2) ⅜ x 1¾	(12) 0.148 x 1½	410	5,350	1,180	1,355	5,350	

1. Loads may not be increased for duration of load.
2. Loads are for DF/SP lumber. For SPF/HF lumber, multiply download by 0.86 and uplift by 1.00.
3. Concrete shall have a minimum compressive strength of f'_c = 2,500 psi.
4. Embedded into concrete uplift loads require the minimum slab depths shown and are applicable to uncracked or cracked concrete. Designer may calculate alternate anchorage solutions. Uplift loads shall not exceed Wind & SDC A&B allowable loads.
5. Embedded into concrete seismic uplift loads satisfy overstrength requirements per IBC 1905.1.8 using Ω_0 = 2.5. This reflects Ω_0 = 3.0 (for light-frame wood structural panels) – 0.5 (for flexible diaphragms per ASCE7 Table 12.2-1 footnote b.) Uplift loads between 4" and 8" slab depth may be linearly interpolated.
6. In accordance with IBC Section 1613.1, detached one- and two-family dwellings in Seismic Design Category C may use Wind and SDC A&B values.
7. **Fasteners:** #9 x 1½" Strong-Drive® SD Connector screws may be used in lieu of nails with no reduction. Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.