

**ABA/ABE/ABU/PBS** Adjustable and Standoff Post Bases

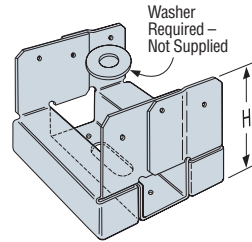
Post Bases provide tested capacity. They feature 1" standoff height above concrete floors. They reduce the potential for decay at post and column ends.

**MATERIAL:** See table

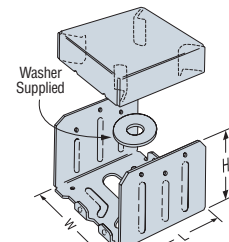
**FINISH:** Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 10-11.

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

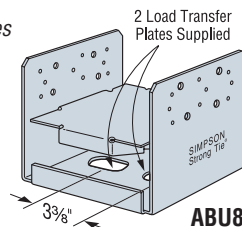
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations (such as fences or unbraced carports).
- PBS—embed into wet concrete up to the bottom of the 1" standoff base plate. A 2" minimum side cover is required to obtain the full load for PBS. Holes in the bottom of the PBS straps allow for free concrete flow.
- ABA, ABE and ABU—for pre-pour installed anchors. For epoxy or wedge anchors, select and install according to anchor manufacturer's recommendations; anchor diameter shown in table. Install required washer, which is not included for ABAs.
- ABU88 centre to centre dimension of anchors is 3¾".
- Refer to technical bulletin T-ANCHORSPEC for post-installed anchorage solutions.



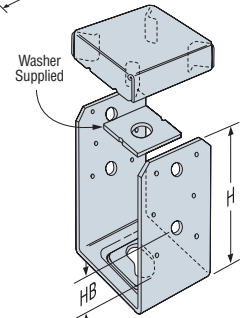
**ABA44**  
(other sizes similar)  
U.S. Patent 5,333,435



**ABE44**  
ABE46,46R,66 and 66R supplied with washer.



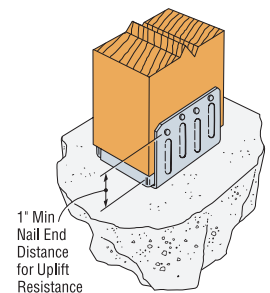
**ABU88**



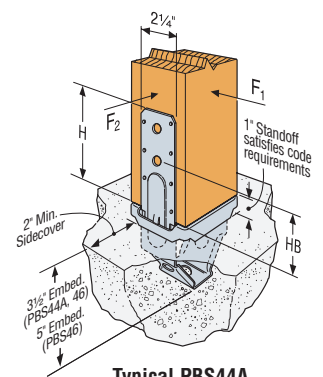
**ABU44**  
(other sizes similar)

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 Post Size	Material		Dimensions (in)				Anchor Dia. (in)	Fasteners		Factored Resistance			
		Base (Ga)	Strap (Ga)	W	L	H	HB <sup>10</sup>		Nails	Machine Bolts Qty.	D.Fir-L		S-P-F	
											Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)	Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)
ABA44	4x4	16	16	3 9/16	3 1/8	3 1/8	—	1/2	6-10d	—	905	9830	650	7955
ABE44	4x4	16	16	3 9/16	3 1/2	2 3/4	—	1/2	6-10d	—	4.03	43.79	2.90	35.43
ABU44	4x4	16	12	3 9/16	3	5 1/2	1 3/4	5/8	12-16d	2 1/2	755	10920	540	8865
PBS44A <sup>5</sup>	4x4	12	14	3 9/16	3 1/2	6 1/4	3 7/16	—	14-16d	2 1/2	3.36	48.64	2.41	39.49
ABA44R	RGH 4x4	16	16	4 1/16	3 3/8	2 13/16	—	1/2	6-10d	—	2900	10920	2515	8865
ABE44R	RGH 4x4	16	16	4	3 1/2	2 9/16	—	1/2	6-10d	—	12.92	48.64	11.20	39.49
ABE46	4x6	12	16	3 9/16	5 7/16	4 1/16	—	5/8	8-16d	—	2810	10920	2430	8865
PBS46 <sup>5</sup>	4x6	12	14	3 9/16	5 7/16	6 9/16	3 3/8	—	14-16d	2 1/2	12.52	48.64	10.82	39.49
ABA46	4x6	14	14	3 9/16	5 3/16	3 3/8	—	5/8	8-16d	—	2810	10920	2430	8865
ABU46	4x6	12	12	3 9/16	5	7	2 5/8	5/8	12-16d	2 1/2	2.58	48.64	1.85	39.49
ABE46R	RGH 4x6	12	16	4 1/16	5 7/16	3 9/16	—	5/8	8-16d	—	1175	12010	830	9760
ABA46R	RGH 4x6	14	14	4 1/16	5 3/16	2 7/8	—	5/8	8-16d	—	5.23	53.50	3.70	43.47
PBS66 <sup>6</sup>	6x6	12	12	5 1/2	5 3/8	6 1/2	3 1 1/16	—	14-16d	2 1/2	2810	15835	2430	13005
ABA66	6x6	14	14	5 1/2	5 1/4	3 3/8	—	5/8	8-16d	—	12.52	70.53	10.82	57.93
ABE66	6x6	12	14	5 1/2	5 7/16	3 3/8	—	5/8	8-16d	—	1050	14630	740	12475
ABU66	6x6	12	10	5 1/2	5	6 1/16	1 3/4	5/8	12-16d	2 1/2	4.68	65.17	3.30	55.57
ABA66R	RGH 6x6	14	14	6	5 3/16	2 7/8	—	5/8	8-16d	—	3340	19625	2350	13700
ABE66R	RGH 6x6	12	14	6 1/16	5 7/16	2 7/8	—	5/8	8-16d	—	14.88	75.39	10.47	61.02
ABU88 <sup>4</sup>	8x8	14	12	7 1/2	7	7	—	2-5/8	18-16d	—	1175	12010	380	9760
ABU88R <sup>4</sup>	RGH 8x8	14	12	8	7	7	—	2-5/8	18-16d	—	5.23	53.50	3.70	43.47
											1050	14630	740	14630
											4.68	65.17	3.30	65.17
											2855	15295	2515	11250
											12.72	68.13	11.20	50.11
											1610	17475	1135	12555
											7.17	77.84	5.06	55.92
											1305	19655	920	14135
											5.81	87.55	4.10	62.96
											3340	19655	2350	14135
											14.88	87.55	10.47	62.96
											1610	17475	1135	12555
											7.17	77.84	5.06	55.92
											1305	19655	920	14135
											5.81	87.55	4.10	62.96
											3370	39860	2370	28645
											15.01	177.55	10.56	127.59
											3370	39860	2370	28645
											15.01	177.55	10.56	127.59



**Typical ABE46R Installation for Rough Lumber**  
(ABE similar)



**Typical PBS44A Installation**

conditions. See 5.4.2 CSA O86-01 for normal loading under wet service conditions.

1. Uplift and lateral factored resistances have been increased 15% for short term loading, no further increase is allowed.
2. Factored normal resistances may not be increased for short-term loading.
3. Designer to design concrete for shear capacity.
4. ABU88 and ABU88R may be installed with 8-SDS 1/4"x3" wood screws for same tabulated resistance.
5. Factored lateral resistances for PBS44A and PBS46 are 1910 lbs (8.51 kN) D.Fir-L and 1345 lbs (5.99 kN) S-P-F for F<sub>1</sub> and 1505 lbs (6.70 kN) D.Fir-L and 1060 lbs (4.72 kN) S-P-F for F<sub>2</sub>.
6. Factored lateral resistances for PBS66 are 3060 lbs (13.63 kN) D.Fir-L and 2150 lbs (9.58 kN) S-P-F for F<sub>1</sub> and 2840 lbs (12.65 kN) D.Fir-L and 2000 lbs (8.91 kN) S-P-F for F<sub>2</sub>.

7. Factored resistances shown assume No.1/No.2 for 4x4 and 4x6 and No.2 for 6x6 and 8x8.
8. Factored resistances shown assume a minimum concrete compressive strength of 2000 psi (13.8 MPa) and a concrete surface area of four times the bearing area of the connector. See 10.8.1 CSA A23.3-04.
9. Factored resistances shown assume dry service condition (K<sub>SF</sub>=1.00). Multiply table values by 0.67 for uplift under wet service

10. HB dimension is the distance from the bottom of the post up to the first bolt hole.
11. 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.
12. **NAILS:** 16d = 0.162" dia. x 3 1/2" long, 10d = 0.148" dia. x 3" long. See page 16-17 for other nail sizes and information.