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

Additional standoff bases are on page 180.

The AB is an adjustable post base which offers moisture protection and finished hardware appearance.

These post bases feature 1" standoff height above concrete floors, code-required when supporting permanent structures that are exposed to the weather or water splash, or in basements. They reduce the potential for decay at post and column ends.

MATERIAL: AB—12 gauge plates; 16 gauge base cover; all others—see table

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

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

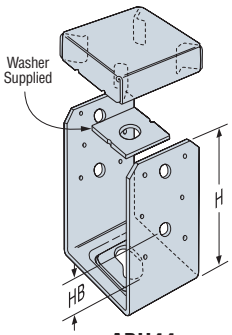
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations *(such as fences or unbraced carports)*.
- AB supplied as shown; position the post, secure the easy-access nut over the supplied washer, place the standoff base, then bend up the fourth side and nail all sides.
- AB, ABA, ABE and ABU—for pre-pour installed anchors. For epoxy or mechanical anchors, select and install according to anchor manufacturer's recommendations; anchor diameter shown in table.
- Products require washers between the nut and the base. Washers are supplied with all products except ABA's which require a standard cut washer.
- Refer to technical bulletin T-ANCHORSPEC for post-installed anchorage solutions *(see page 191 for details)*.

CODES: See page 12 for Code Reference Key Chart.

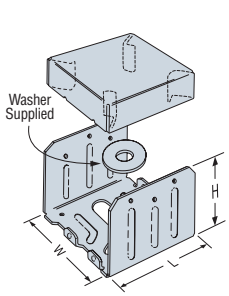
These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

Model No.	Dimensions W	L	H	Anchor Dia.	Fasteners	Allowable Download (100)	Code Ref.
AB44	3 9/16	3 9/16	2 1/4	1/2	8-10d	4065	I3, L18, F1
AB44R	4	4 1/16	2 9/16	1/2	8-10d	4065	
AB46	3 9/16	5 3/8	3	1/2	8-10d	4165	
AB46R	4	6	2 13/16	1/2	8-10d	4165	
AB66	5 1/2	5 9/16	3	1/2	8-10d	5335	
AB66R	6	6	2 13/16	1/2	8-10d	5335	

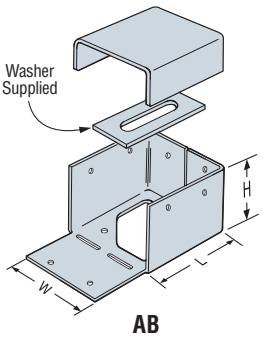
1. Loads may not be increased for short-term loading.



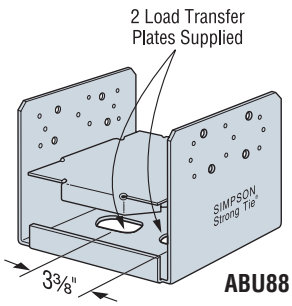
ABU44
(other sizes similar)



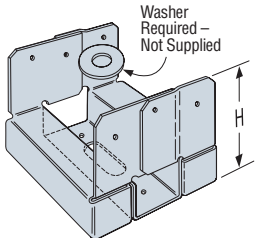
ABE44
ABE46,46R,66 and 66R supplied with washer.



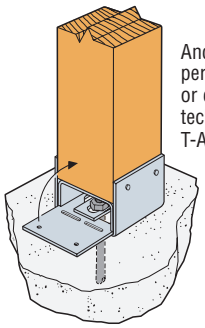
AB



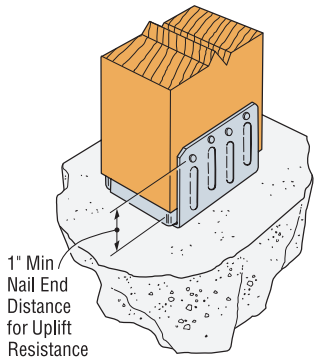
ABU88



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



Typical AB Installation



Typical ABE46R Installation for Rough Lumber
(ABE similar)

Model No.	Nominal Post Size	Material Base (Ga)	Material Strap (Ga)	Dimensions W	L	H	HB[6]	Anch. Dia.	Fasteners Post Nails	Fasteners Post Machine Bolts Qty.	Fasteners Post Machine Bolts Dia.	Allowable Loads (DF/SP) Uplift (160) Nails	Allowable Loads (DF/SP) Uplift (160) Bolts	Allowable Loads (DF/SP) Down (100)	Code Ref.
ABA44	4x4	16	16	3 9/16	3 1/8	3 1/16	—	1/2	6-10d	—	—	555	—	6000	I3, F1
ABE44	4x4	16	16	3 9/16	3 1/2	2 3/4	—	1/2	6-10d	—	—	520	—	6665	I3, L18, F1
ABU44	4x4	16	12	3 9/16	3	5 1/2	1 3/4	5/8	12-16d	2	1/2	2200	2160	6665	I3, L18, F1
ABA44R	RGH 4x4	16	16	4 1/16	3 1/8	2 13/16	—	1/2	6-10d	—	—	555	—	8000	I3, F1
ABE44R	RGH 4x4	16	16	4	3 1/2	2 9/16	—	1/2	6-10d	—	—	400	—	6665	170
ABE46	4x6	12	16	3 9/16	5 7/16	4 1/16	—	5/8	8-16d	—	—	810	—	7335	I3, F1
ABA46	4x6	14	14	3 9/16	5 3/16	3 1/8	—	5/8	8-16d	—	—	700	—	9435	I3, F1
ABU46	4x6	12	12	3 9/16	5	7	2 5/8	5/8	12-16d	2	1/2	2300	2300	10335	I3, L18, F1
ABE46R	RGH 4x6	12	16	4 1/16	5 7/16	3 9/16	—	5/8	8-16d	—	—	810	—	7335	170
ABA46R	RGH 4x6	14	14	4 1/16	5 3/16	2 7/8	—	5/8	8-16d	—	—	700	—	12000	I3, F1
ABA66	6x6	14	14	5 1/2	5 1/4	3 1/8	—	5/8	8-16d	—	—	720	—	10665	
ABE66	6x6	12	14	5 1/2	5 7/16	3 1/8	—	5/8	8-16d	—	—	900	—	12000	I3, F1
ABU66	6x6	12	10	5 1/2	5	6 1/16	1 3/4	5/8	12-16d	2	1/2	2300	2300	12000	I3, L18, F1
ABA66R	RGH 6x6	14	14	6	5 3/16	2 7/8	—	5/8	8-16d	—	—	720	—	12665	I3, F1
ABE66R	RGH 6x6	12	14	6 1/16	5 7/16	2 7/8	—	5/8	8-16d	—	—	900	—	12000	170
ABU88[4]	8x8	14	12	7 1/2	7	7	—	2-5/8	18-16d	—	—	2320	—	24335	I3, F1
ABU88R[4]	RGH 8x8	14	12	8	7	7	—	2-5/8	18-16d	—	—	2320	—	24335	170

1. Uplift loads have been increased for wind or earthquake load durations with no further increase allowed; reduce where other load durations govern.
2. Downloads may not be increased for short-term loading.
3. Specifier to design concrete for shear capacity.
4. ABU products may be installed with either bolts OR nails *(not both)* to achieve table loads. ABU88 and ABU88R may be installed with 8-SDS 1/4"x3" wood screws *(sold separately)* for the same table load.
5. For AB bases, higher download can be achieved by solidly packing grout under 1" standoff plate before installation. Base download on column, grout, or concrete according to the code.
6. HB dimension is the distance from the bottom of the post up to the first bolt hole.
7. Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. For SCL columns, the fasteners for these products should always be installed in the wide face.
8. **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.