

**ABA/ABU/ABW** Adjustable and Standoff Post Bases

Additional standoff bases are on page 214.

The AB series of retrofit adjustable post bases provide a 1" standoff for the post, are slotted for adjustability and can be installed with nails, Strong-Drive® SD screws or bolts (ABU). Depending on the application needs, these adjustable standoff post bases are designed for versatility, cost-effectiveness and maximum uplift performance.

**Features:**

- The slot in the base enables flexible positioning around the anchor bolt, making precise post placement easier
- The 1" standoff helps prevent rot at the end of the post and meets code requirements for structural posts installed in basements or exposed to weather or water splash

**MATERIAL:** Varies (see table)

**FINISH:** All galvanized, most offered in ZMAX®; see Corrosion Information, page 14-15.

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

- See our *Anchoring and Fastening Systems for Concrete and Masonry* catalog, or visit [www.strongtie.com](http://www.strongtie.com) for retrofit anchor options or reference technical bulletin T-ANCHORSPEC.
- 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).
- Place the base, load transfer plate and nut on the anchor bolt. Loosely tighten the nut.

**ABW**—Place the standoff base and then the post in the ABW and fasten on three vertical sides, using nails or Strong-Drive SD structural-connector screws.

- Make any necessary adjustments to post placement and tighten the nut securely on the anchor bolt.
- Bend up the fourth side of the ABW and fasten using the correct fasteners.

**ABU**—Place the standoff base and then the post in the ABU.

- Fasten using nails or Strong-Drive SD structural connector screws or bolts (ABU88, ABU1010 – SDS optional).

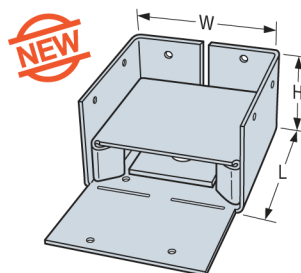
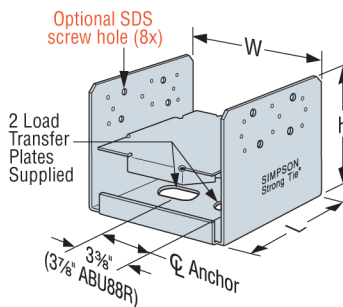
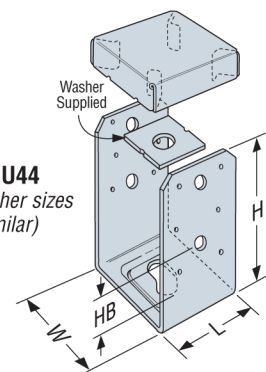
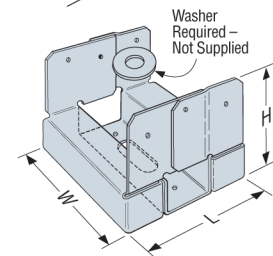
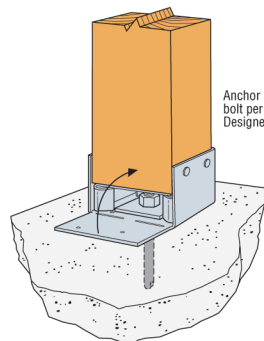
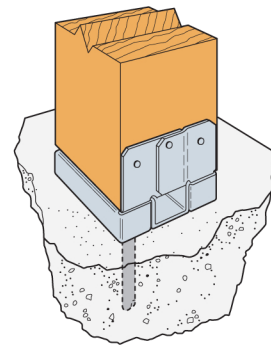
**ABA**—Place the post in the ABA.

- Fasten using nails or SD Screws.

**CODES:** See page 13 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.

These products are approved for installation with the Strong-Drive SD Structural-Connector screw. See page 27 for more information.


**ABW**

**ABU88**  
 (ABU1010 similar)

**ABA44**  
 (other sizes similar)

**ABA44**  
 (other sizes similar)

**Typical ABW Installation**

**Typical ABA44 Installation**

Model No.	Nominal Post Size	Material		Dimensions (in.)				Anchor Dia. (in.)	Fasteners			Allowable Loads (DF/SP)			Code Ref.
		Base (Ga)	Strap (Ga)	W	L	H	HB <sup>6</sup>		Post			Uplift (160)		Down (100)	
									Nails	Machine Bolts	Nails	Bolts			
ABA44Z	4x4	16	16	3 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	—	1/2	6-10d	—	—	555	—	6000	I3, F1
ABW44Z	4x4	16	16	3 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	—	1/2	8-10d	—	—	1005	—	7180	170
ABU44	4x4	16	12	3 <sup>3</sup> / <sub>16</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	5/8	12-16d	2	1/2	2200	2160	6665	I3, L2, F1
ABA44R	Rough 4x4	16	16	4 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>13</sup> / <sub>16</sub>	—	1/2	6-10d	—	—	555	—	8000	I3, F1
ABW44RZ	Rough 4x4	16	16	4	4 <sup>1</sup> / <sub>16</sub>	1 <sup>32</sup> / <sub>32</sub>	—	1/2	8-10d	—	—	1005	—	7180	170
ABW46Z	4x6	12	16	3 <sup>3</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	3	—	1/2	10-10d	—	—	845	—	4590	170
ABA46Z	4x6	14	14	3 <sup>3</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	—	5/8	8-16d	—	—	700	—	9435	I3, F1
ABU46	4x6	12	12	3 <sup>3</sup> / <sub>16</sub>	5	7	2 <sup>5</sup> / <sub>8</sub>	5/8	12-16d	2	1/2	2300	2300	10335	I3, L2, F1
ABW46RZ	Rough 4x6	12	16	4	6	2 <sup>13</sup> / <sub>16</sub>	—	1/2	10-10d	—	—	845	—	4590	170
ABA46R	Rough 4x6	14	14	4 <sup>1</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	—	5/8	8-16d	—	—	700	—	12000	I3, F1
ABU5-5	5 <sup>1</sup> / <sub>2</sub> x5 <sup>1</sup> / <sub>2</sub>	12	10	5 <sup>1</sup> / <sub>4</sub>	5	6 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	5/8	12-16d	2	1/2	2235	2235	12000	
ABU5-6	5 <sup>1</sup> / <sub>2</sub> x6	12	10	6 <sup>1</sup> / <sub>8</sub>	5	6 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	5/8	12-16d	2	1/2	2235	2235	12000	
ABA66Z	6x6	14	14	5 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	—	5/8	8-16d	—	—	720	—	10665	I3, F1
ABW66Z	6x6	12	14	5 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>16</sub>	3	—	1/2	12-10d	—	—	1190	—	12935	170
ABU66	6x6	12	10	5 <sup>1</sup> / <sub>2</sub>	5	6 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	5/8	12-16d	2	1/2	2300	2300	12000	I3, L2, F1
ABA66R	Rough 6x6	14	14	6	5 <sup>3</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	—	5/8	8-16d	—	—	720	—	12665	I3, F1
ABW66RZ	Rough 6x6	12	14	6	6	2 <sup>13</sup> / <sub>16</sub>	—	1/2	12-10d	—	—	1190	—	12935	170
ABU88 <sup>4</sup>	8x8	14	12	7 <sup>1</sup> / <sub>2</sub>	7	7	—	2- <sup>5</sup> / <sub>8</sub>	18-16d	—	—	2320	—	24335	I3, F1
ABU88R <sup>4</sup>	Rough 8x8	14	12	8	7	7	—	2- <sup>5</sup> / <sub>8</sub>	18-16d	—	—	2320	—	24335	170
ABU1010Z	10x10	12	12	9 <sup>1</sup> / <sub>2</sub>	9	7 <sup>1</sup> / <sub>4</sub>	—	2- <sup>5</sup> / <sub>8</sub>	22-16d	—	—	2270	—	32020	
ABU1010RZ	Rough 10x10	12	12	10	9	7	—	2- <sup>5</sup> / <sub>8</sub>	22-16d	—	—	2270	—	32020	

1. Uplift loads have been increased for wind or earthquake with no further increase allowed; reduce where other loads govern.
2. Downloads may not be increased for short-term loading.
3. Specifier to design concrete for uplift 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. Downloads shall be reduced where limited by the capacity of the post. See pages 226-227 for common post allowable loads.
9. **NAILS:** 16d = 0.162" dia. x 3<sup>1</sup>/<sub>2</sub>" long, 10d = 0.148" dia. x 3" long. See page 22-23 for other nail sizes and information.