

## ABA/ABU/ABW

### Adjustable and Standoff Post Bases

Additional standoff bases are on p. 379.

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 Connector 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, pp. 15–18

#### Installation:

- Use all specified fasteners; see General Notes.
- See our *Anchoring and Fastening Systems for Concrete and Masonry* catalog, or visit [strongtie.com](http://strongtie.com) for retrofit anchor options or reference technical bulletin T-A-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 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

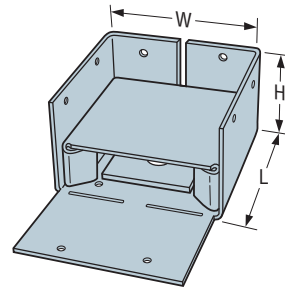
- Fasten using nails or Strong-Drive SD Connector screws or bolts (ABU88Z, ABU1010Z, **ABU1212Z** – SDS optional)

#### ABA

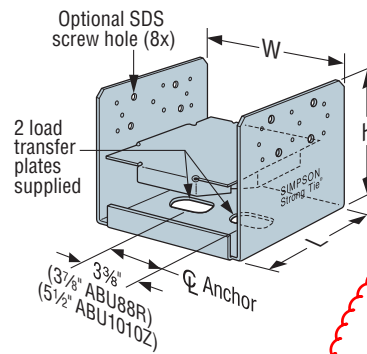
Place the post in the ABA

- Fasten using nails or Strong-Drive SD Connector screws

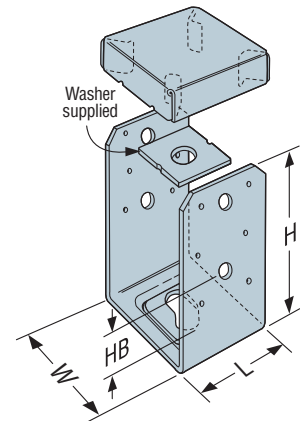
**Codes:** See p. 14 for Code Reference Key Chart



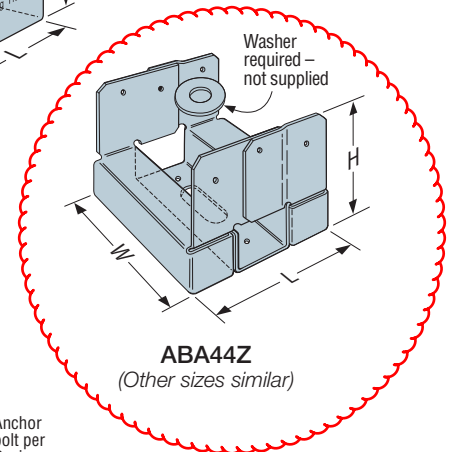
**ABWZ**



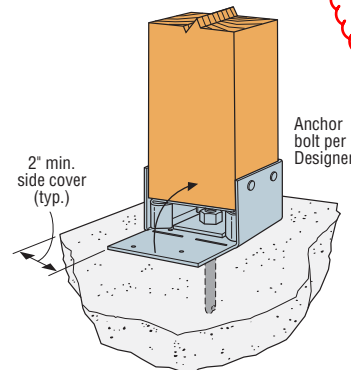
**ABU88Z**  
(Other sizes similar)



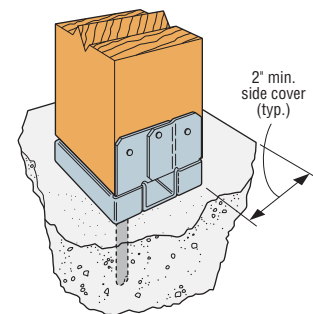
**ABU44Z**  
(Other sizes similar)



**ABA44Z**  
(Other sizes similar)



**Typical ABWZ Installation**



**Typical ABA44Z Installation**

## ABA/ABU/ABW

## Adjustable and Standoff Post Bases (cont.)

These products are available with additional corrosion protection. For more information, see p. 18.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 39–40 for more information.

	ABA66Z	6x6	14	14	5½	5%	3½	—	5%	(8) 16d	—	—	720	—	10,665	I3, FL, L5
	Model No.	Nominal Post Size	(ga.)		(in.)				Fasteners				Allowable Loads (DF/SP)			Code Ref.
			Base	Strap	W	L	H	HB <sup>6</sup>	Anchor Dia. (in.)	Nails	Machine Bolts		Uplift		Down (100)	
											Qty.	Dia.	Nails	Bolts		
	ABA44Z	4x4	16	16	3½	3%	3½	—	½	(6) 10d	—	—	555	—	6,000	I3, FL, L5
	ABW44Z	4x4	16	16	3½	3½	2¼	—	½	(8) 10d	—	—	1,005	—	7,180	I3
SS	ABU44Z	4x4	16	12	3½	3	5½	1¾	5%	(12) 16d	2	½	2,200	2,160	6,665	I3, FL, L2, L5
	ABU44RZ	Rough 4x4	16	12	4	4	5¼	1½	5%	(12) 16d	2	½	2,200	2,160	6,665	170
	ABA44RZ	Rough 4x4	16	16	4½	3½	2¾	—	½	(6) 10d	—	—	555	—	8,000	I3, FL, L2, L5
	ABW44RZ	Rough 4x4	16	16	4	4½	1½	—	½	(8) 10d	—	—	835	—	7,180	I3
	ABW46Z	4x6	12	16	3½	5½	3	—	½	(10) 10d	—	—	845	—	4,590	
	ABA46Z	4x6	14	14	3½	5½	3½	—	5%	(8) 16d	—	—	700	—	9,435	I3, FL, L5
SS	ABU46Z	4x6	12	12	3½	5	7	2½	5%	(12) 16d	2	½	2,300	2,300	10,335	I3, FL, L2
	ABU46RZ	Rough 4x6	12	12	4	6	6¾	2¾	5%	(12) 16d	2	½	2,300	2,300	10,335	170
	ABW46RZ	Rough 4x6	12	16	4	6	2¾	—	½	(10) 10d	—	—	780	—	4,590	I3
	ABA46RZ	Rough 4x6	14	14	4½	5½	2¾	—	5%	(8) 16d	—	—	700	—	12,000	I3, FL, L5
	ABU5-5Z	5½x5½	12	10	5¼	5	6½	1¾	5%	(12) 16d	2	½	2,235	2,235	12,000	170
	ABU5-6Z	5½x6	12	10	6½	5	6½	1¾	5%	(12) 16d	2	½	2,235	2,235	12,000	
	ABA66Z	6x6	14	14	5½	5%	3½	—	5%	(8) 16d	—	—	720	—	10,665	I3, FL, L5
	ABW66Z	6x6	12	14	5½	5½	3	—	½	(12) 10d	—	—	1,190	—	12,935	I3
SS	ABU66Z	6x6	12	10	5½	5	6½	1¾	5%	(12) 16d	2	½	2,300	2,300	12,000	I3, FL, L2
	ABU66RZ	Rough 6x6	12	10	6	6	5¾	1½	5%	(12) 16d	2	½	2,300	2,300	12,000	170
	ABA66RZ	Rough 6x6	14	14	6	5½	2¾	—	5%	(8) 16d	—	—	720	—	12,665	I3, FL, L5
	ABW66RZ	Rough 6x6	12	14	6	6	2¾	—	½	(12) 10d	—	—	1,065	—	12,935	170
	ABW7-7Z	7½" x 7½"	12	14	7½	7½	3	—	½	(12) 10d	—	—	840	—	17,270	
SS	ABU88Z	8x8	14	12	7½	7	7	—	(2) 5%	(18) 16d	—	—	2,320	—	24,335	I3, FL
	ABU88RZ	Rough 8x8	14	12	8	7	7	—	(2) 5%	(18) 16d	—	—	2,320	—	24,335	170
	ABU1010Z	10x10	14	14	9½	9	7¼	—	(2) 5%	(22) 16d	—	—	2,270	—	32,020	
	ABU1010RZ	Rough 10x10	14	14	10	9	7	—	(2) 5%	(22) 16d	—	—	2,270	—	32,020	160
	ABU1212Z	12x12	12	12	11½	11	7¼	—	(2) 5%	(22) 16d	—	—	3,000	—	34,745	
	ABU1212RZ	Rough 12x12	12	12	12	11	7	—	(2) 5%	(22) 16d	—	—	3,000	—	34,745	

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. ABU88Z, ABU88R, ABU1010Z, ABU1010RZ and ABU1212Z/RZ may be installed with (8) ¼" x 3" Strong-Drive® SDS Heavy-Duty Connector 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 pp. 383–385 for common post allowable loads.

9. Nails: 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long. See pp. 26–27 for other nail sizes and information.