



# Product Information Table

 > New products

Model No.	Ga.	W (in.)	L (in.)	Coating/Material	Packaging Qty.
 ACH4Z	16	3 9/16	6 1/2	ZMAX®	1
 ACH6Z	16	5 1/2	8 1/2	ZMAX®	1

## Load Tables

SIMPSON Strong-Tie Model No.	Dimensions (in.)		Total No. Fasteners (in.)		DF/SP Allowable Loads (160)	
	W	L	Beam	Post	Uplift	Lateral
ACH4Z	3 9/16	6 1/2	(20) 0.162 x 2 1/2	(20) 0.162 x 2 1/2	4,045	1,765
			(20) SD10212	(20) SD10212	5,895	2,595
ACH4Z (END)	3 9/16	6 1/2	(20) 0.162 x 2 1/2	(20) 0.162 x 2 1/2	2,580	1,360
			(20) SD10212	(20) SD10212	2,680	1,815
ACH6Z	5 1/2	8 1/2	(20) 0.162 x 2 1/2	(20) 0.162 x 2 1/2	4,045	2,640
			(20) SD10212	(20) SD10212	5,895	4,130
ACH6Z (END)	5 1/2	8 1/2	(20) 0.162 x 2 1/2	(20) 0.162 x 2 1/2	2,580	1,965
			(20) SD10212	(20) SD10212	2,680	2,200

- Allowable loads have been increased for wind or earthquake loading with no further increase allowed. Reduce where other loads govern.
- Connector table loads and fastener quantities are listed for two parts.
- Lateral load is in the direction parallel to the beam.
- Uplift loads do not apply to spliced conditions. Spliced conditions must be detailed by the Designer to transfer tension loads between spliced members by means other than the post cap.
- Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers known as the narrow face. Values in the tables reflect installation into the wide face. See technical bulletin T-C-SCLCLM at strongtie.com for load reductions resulting from narrow-face installations.
- Fasteners:** Nail dimensions in the table are listed diameter by length. SD screws are Simpson Strong-Tie Strong-Drive SD Connector Screws.

## Code Reports & Compliance


Product Series	Compliance/Certification	Report/Approval
ACHZ™	International Building Code International Residential Code City of Los Angeles Building Code City of Los Angeles Residential Code	 <a href="#">ESR-2604</a>
<b>Footnotes</b>		
1. Please review compliance documents for information about specific product models. In some cases, Compliance documents cover most but not all models associated with a product series.		

TABLE 3—AC, ACE, AND ACH POST CAPS

MODEL NO. <sup>1,2</sup>		POST CAP DIMENSIONS (inches)		NAILS (Quantity–Type)		ALLOWABLE LOADS <sup>3,4,5</sup> (lbs)	
						Uplift <sup>6</sup>	Lateral <sup>7</sup>
		W	L	Into the Beam	Into the Post	C <sub>D</sub> = 1.6	C <sub>D</sub> = 1.6
AC4	MIN	3 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>2</sub>	8 – 16d	8 – 16d	1,745	1,610
	MAX			14 – 16d	14 – 16d	2,490	1,475
AC4R	MIN	4	7	8 – 16d	8 – 16d	1,745	1,610
	MAX			14 – 16d	14 – 16d	2,490	2,075
ACE4	MIN	—	4 <sup>1</sup> / <sub>2</sub>	6 – 16d	6 – 16d	1,235	750
	MAX			10 – 16d	10 – 16d	1,950	1,265
ACH4Z	-	3 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	4,045	1,765
	-			20-SD10212	20-SD10212	5,895	2,595
ACH4Z (END)	-	3 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	2,580	1,360
	-			20-SD10212	20-SD10212	2,680	1,815
AC6	MIN	5 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>2</sub>	8 – 16d	8 – 16d	1,665	1,565
	MAX			14 – 16d	14 – 16d	2,815	2,075
AC6R	MIN	6	9	8 – 16d	8 – 16d	1,665	1,565
	MAX			14 – 16d	14 – 16d	3,055	2,450
ACE6	MIN	—	6 <sup>1</sup> / <sub>2</sub>	6 – 16d	6 – 16d	1,235	835
	MAX			10 – 16d	10 – 16d	1,950	1,760
ACH6Z	-	5 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	4,045	2,640
	-			20-SD10212	20-SD10212	5,895	4,130
ACH6Z (END)	-	5 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	20-16dx2 <sup>1</sup> / <sub>2</sub>	2,580	1,965
	-			20-SD10212	20-SD10212	2,680	2,200

For SI: 1 inch = 25.4 mm, 1 lbs = 4.45 N.

<sup>1</sup>“MIN” suffix to the model No. indicates that only the round holes must be filled with the quantity and type of nails specified in the table to achieve the tabulated allowable load values.

<sup>2</sup>“MAX” suffix to the model No. indicates that both round and triangular holes must be filled with the quantity of nails specified in the table to achieve the tabulated allowable load values.

<sup>3</sup>The allowable uplift loads do not apply to splice conditions. When a spliced beam condition occurs, that is, where the ends of two beams are supported by the wood post and connected to the AC post cap connector, the condition must be designed and detailed to transfer the tension (lateral) loads by means other than the post cap.

<sup>4</sup>Allowable uplift and lateral loads apply only for AC, ACE and ACH post cap connectors installed in pairs, as shown in [Figure 3b](#), [Figure 3c](#) and [Figure 3d](#) with each piece connected to the wood post and beam with an equal amount and type of fasteners.

<sup>5</sup>Allowable uplift and lateral loads have been increased for wind or earthquake loading with no further increase allowed. The allowable loads must be reduced when other load durations govern.

<sup>6</sup>Allowable lateral loads are parallel to the length of the supported wood beam, as shown in [Figure 3b](#).

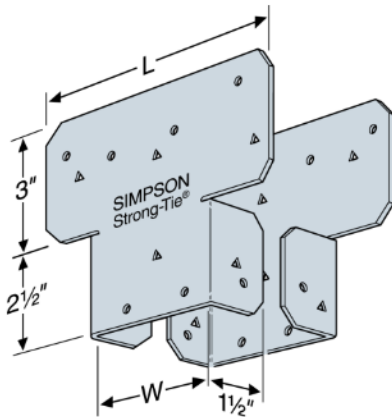


FIGURE 3a—AC POST CAP CONNECTOR COMPONENTS

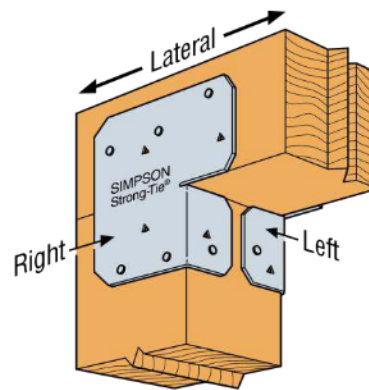


FIGURE 3b—TYPICAL ACE INSTALLATION