

PC/EPC Post Caps

PC and EPC caps provide a custom connection for post-beam combinations at medium design loads.

MATERIAL: PC—12 gauge; PC-16—16 gauge

FINISH: Galvanized. Some products available in ZMAX coating; see Corrosion Information, page 14-15.

INSTALLATION: • Use all specified fasteners; see General Notes.

• Do not install bolts into pilot holes.

OPTIONS: • For end conditions, specify EPC post caps, providing dimensions are in accordance with table; see illustration.

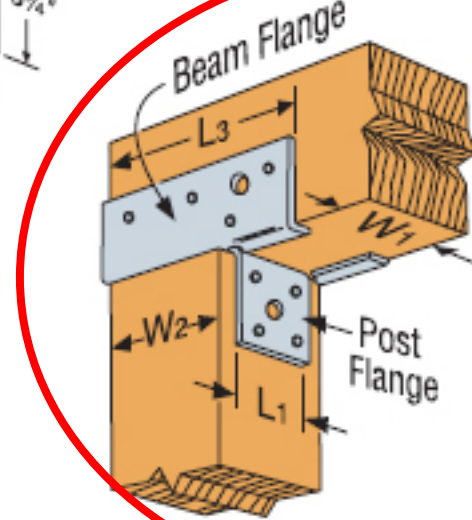
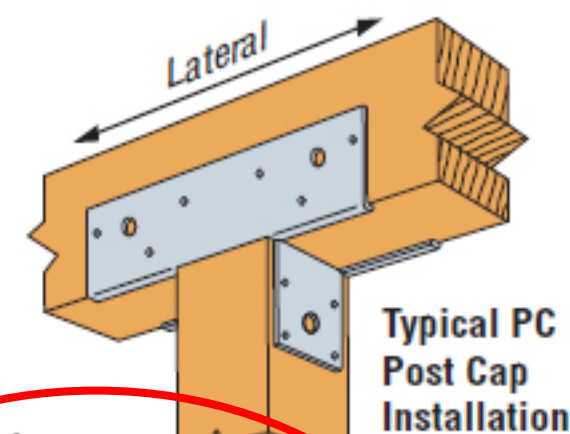
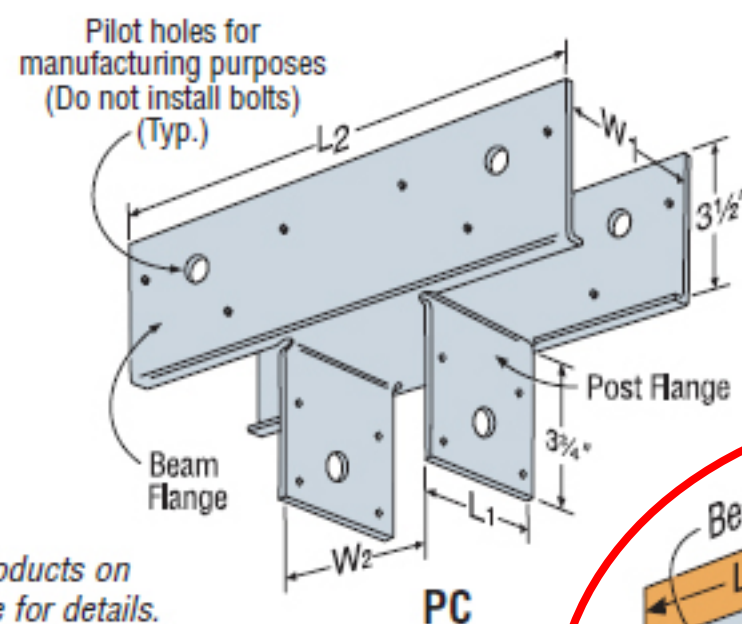
• Some PC and EPC models are available in rough sizes.

• For heavy duty applications, see CC and CCQ series.

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.



Typical EPC End Post Cap Installation

1. Allowable loads have been increased for wind or earthquake with no further increase allowed; reduce where other loads govern.
2. Lateral loads are in the direction parallel to the beam.
3. Allowable loads are for nails only.
4. Uplift loads do not apply to splice conditions.
5. Spliced conditions must be detailed by the Designer to transfer tension loads between spliced members by means other than the post cap.
6. 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. See technical bulletin T-SCLCOLUMN for values on the narrow face (edge) (see page 232 for details).
7. **NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 22-23 for other nail sizes and information.

Model No.	Min. Post Size	Dimensions					Fasteners Each Side			Allowable Loads (DF/SP)			Code Ref.
		W1	W2	L1	L2	L3	Surfaces			Uplift PC/EPC		Lateral ²	
							Post Flange	Beam Flange PC	Beam Flange EPC	(160)	PC (160)	EPC (160)	
PC44-16	4x4	3⅜	3⅜	2⅝	11	7⅝	4-16d	6-16d	4-16d	1000	925	1000	I12, L4, F11
PC44	4x4	3⅜	3⅜	2⅝	11	7⅝	4-16d	6-16d	4-16d	1700	925	1070	
PC46-16	4x6	3⅜	5½	2⅝	13	9¼	4-16d	6-16d	4-16d	1000	925	1000	
PC46	4x6	3⅜	5½	2⅝	13	9¼	4-16d	6-16d	4-16d	1700	925	1070	
PC48-16	4x8	3⅜	7½	2⅝	15	11¼	4-16d	8-16d	6-16d	1000	1475	1285	
PC48	4x8	3⅜	7½	2⅝	15	11¼	4-16d	8-16d	6-16d	1700	2075	1610	
PC64-16	4x6	5½	3⅜	4⅞	11	7⅞	4-16d	6-16d	4-16d	1000	925	1000	
PC64	4x6	5½	3⅜	4⅞	11	7⅞	4-16d	6-16d	4-16d	1700	925	1070	
PC66-16	6x6	5½	5½	4⅞	13	9¼	4-16d	6-16d	6-16d	1000	925	1285	
PC66	6x6	5½	5½	4⅞	13	9¼	4-16d	6-16d	6-16d	1700	925	1610	
PC68	6x8	5½	7½	4⅞	15	11¼	4-16d	8-16d	6-16d	1700	2075	1610	
PC84	4x8	7½	3⅜	6⅞	11	7⅞	4-16d	6-16d	6-16d	1700	925	1610	
PC86	6x8	7½	5½	6⅞	13	9¼	4-16d	6-16d	6-16d	1700	925	1610	
PC88	8x8	7½	7½	6⅞	15	11¼	4-16d	8-16d	6-16d	1700	2075	1610	

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.

Model No.	Dimensions		Allowable Loads (DF/SP)				Code Ref.
	W	L	12-16d Nails (160)			2-½MB	
			Uplift	F ₁	F ₂	Uplift (160)	
PB44	3⅞	3¼	1365	765	1325	—	IL16
PB44R	4	3¼	1365	765	1325	—	
PB46	5½	3¼	1365	765	1325	—	
PB66	5½	5¼	1640	765	1325	1640	
PB66R	6	5¼	1640	765	1325	1640	

1. Allowable loads have been increased for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Download capacity is based on either the post design or concrete design calculated per code.
3. 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.
4. **NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 22-23 for other nail sizes and information.

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

Model No.	Nominal Post Size	Material		Dimensions				Fasteners			Allowable Loads (DF/SP)								Code Ref.
		Base (Ga)	Strap (Ga)	W	L	H	HB	Anch. Dia.	Post		Uplift (160)		F ₁ (160)		F ₂ (160)		Down (100)		
									Nails	Machine Bolts	Nails	Bolts	Nails	Bolts	Nails	Bolts			
																		Qty.	
PBS44A	4x4	12	14	3⅜	3½	6¼	3⅜	—	14-16d	2	½	2400	2400	1165	230	885	885	6665	IL9
PBS46	4x6	12	14	3⅜	5⅜	6⅜	3⅜	—	14-16d	2	½	2400	2400	1165	360	885	885	9335	
PBS66	6x6	12	12	5½	5⅝	6⅝	3⅜	—	14-16d	2	½	3160	4000	1865	570	1700	1700	9335	

1. Allowable loads have been increased for wind or earthquake with no further increase allowed; reduce where other loads govern.
2. PBS—Downloads may not be increased for short-term loading.
3. PBS—Designer to design concrete for shear and uplift capacity.
4. PBS—For higher downloads, solidly pack grout under 1" standoff plate before installing into concrete. Base download on column or concrete, according to the code.
5. Downloads shall be reduced where limited by the capacity of the post. See pages 226-227 for common post allowable loads.
6. 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.
7. **NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 22-23 for other nail sizes and information.