

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

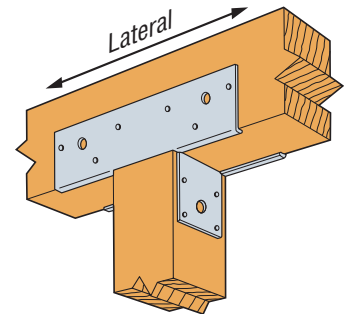
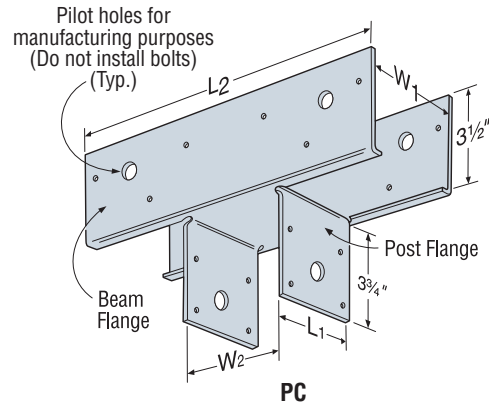
FINISH: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 10-11.

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

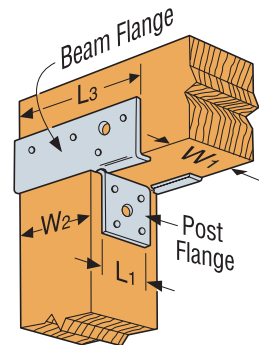
• Do not install bolts into pilot holes.

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.



Typical PC Post Cap Installation



Typical EPC End Post Cap Installation

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.	Min. Post Size	Dimensions (in)					Fasteners (Each Side)			Factored Resistance ($K_D=1.15$)					
		W ₁	W ₂	L ₁	L ₂	L ₃	Surfaces			D.Fir-L			S-P-F		
							Post Flange	Beam Flange PC	Beam Flange EPC	Uplift	Lateral		Uplift	Lateral	
		lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN			
PC44-16	4x4	3 ⁹ / ₁₆	3 ⁹ / ₁₆	2 ⁵ / ₈	11	7 ⁵ / ₁₆	4-16d	6-16d	4-16d	1450	1545	1670	1020	1085	1175
										6.46	6.88	7.44	4.54	4.83	5.23
PC44	4x4	3 ⁹ / ₁₆	3 ⁹ / ₁₆	2 ⁵ / ₈	11	7 ⁵ / ₁₆	4-16d	6-16d	4-16d	2470	1545	2170	1735	1085	1530
										11.00	6.88	9.67	7.73	4.83	6.82
PC46-16	4x6	3 ⁹ / ₁₆	5 ¹ / ₂	2 ⁵ / ₈	13	9 ¹ / ₄	4-16d	6-16d	4-16d	1450	1545	1670	1020	1085	1175
										6.46	6.88	7.44	4.54	4.83	5.23
PC46	4x6	3 ⁹ / ₁₆	5 ¹ / ₂	2 ⁵ / ₈	13	9 ¹ / ₄	4-16d	6-16d	4-16d	2470	1545	2170	1735	1085	1530
										11.00	6.88	9.67	7.73	4.83	6.82
PC48-16	4x8	3 ⁹ / ₁₆	7 ¹ / ₂	2 ⁵ / ₈	15	11 ¹ / ₄	4-16d	8-16d	6-16d	1450	1545	2145	1020	1085	1510
										6.46	6.88	9.55	4.54	4.83	6.73
PC48	4x8	3 ⁹ / ₁₆	7 ¹ / ₂	2 ⁵ / ₈	15	11 ¹ / ₄	4-16d	8-16d	6-16d	2470	3465	2965	1735	2440	2085
										11.00	15.43	13.21	7.73	10.87	9.29
PC64-16	4x6	5 ¹ / ₂	3 ⁹ / ₁₆	4 ⁹ / ₁₆	11	7 ³ / ₈	4-16d	6-16d	4-16d	1450	1545	1670	1020	1085	1175
										6.46	6.88	7.44	4.54	4.83	5.23
PC64	4x6	5 ¹ / ₂	3 ⁹ / ₁₆	4 ⁹ / ₁₆	11	7 ³ / ₈	4-16d	6-16d	4-16d	2470	1545	2170	1735	1085	1530
										11.00	6.88	9.67	7.73	4.83	6.82
PC66-16	6x6	5 ¹ / ₂	5 ¹ / ₂	4 ⁹ / ₁₆	13	9 ¹ / ₄	4-16d	6-16d	6-16d	1450	1545	2145	1020	1085	1510
										6.46	6.88	9.55	4.54	4.83	6.73
PC66	6x6	5 ¹ / ₂	5 ¹ / ₂	4 ⁹ / ₁₆	13	9 ¹ / ₄	4-16d	6-16d	6-16d	2470	1545	2965	1735	1085	2085
										11.00	6.88	13.21	7.73	4.83	9.29
PC68	6x8	5 ¹ / ₂	7 ¹ / ₂	4 ⁹ / ₁₆	15	11 ¹ / ₄	4-16d	8-16d	6-16d	2470	3465	2965	1735	2440	2085
										11.00	15.43	13.21	7.73	10.87	9.29
PC84	4x8	7 ¹ / ₂	3 ⁹ / ₁₆	6 ⁹ / ₁₆	11	7 ³ / ₈	4-16d	6-16d	6-16d	2470	1545	2965	1735	1085	2085
										11.00	6.88	13.21	7.73	4.83	9.29
PC86	6x8	7 ¹ / ₂	5 ¹ / ₂	6 ⁹ / ₁₆	13	9 ¹ / ₄	4-16d	6-16d	6-16d	2470	1545	2965	1735	1085	2085
										11.00	6.88	13.21	7.73	4.83	9.29
PC88	8x8	7 ¹ / ₂	7 ¹ / ₂	6 ⁹ / ₁₆	15	11 ¹ / ₄	4-16d	8-16d	6-16d	2470	3465	2965	1735	2440	2085
										11.00	15.43	13.21	7.73	10.87	9.29

1. Factored resistances have been increased 15% for earthquake or wind loading with no further increase allowed; reduce where other loads govern.
2. Factored lateral resistances are in the direction parallel to the beam.
3. Factored resistances are for nails only.
4. Factored uplift resistances do not apply to splice conditions.
5. Spliced conditions must be detailed by the Designer to transfer tension resistances between spliced members by means other than the post cap.
6. **NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 16-17 for other nail sizes and information.