

The industry standard column cap. Precision factory gang-punched holes speed installation on this product line.

MATERIAL: ECC3¼, ECC44, ECC46, **ECC48**, ECC64, ECC66, ECC68, ECC6-7½—7 gauge; all others—3 gauge

FINISH: Simpson gray paint; may be ordered HDG.

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

- Bolt holes shall be a minimum of 1/32" to a maximum of 1/16" larger than the bolt diameter (per 1997 NDS, section 8.1.2.1.).

OPTIONS: • Straps may be rotated 90° where W1 ≥ W2 (see illustration).

- For special, custom, or rough cut lumber sizes, provide dimensions. An optional W2 dimension may be specified with any column size given (note that the W2 dimension on straps rotated 90° is limited by the W1 dimension).
- Column caps with W1, L, H1, and hole schedules different from the table may be special ordered. Provide a drawing to ensure accuracy.

ECCO—Column cap only may be ordered for field-welding to pipe or other columns. **No loads apply. ECCO dimensions are the same as ECC.**

ECCU—Order for uplift applications.

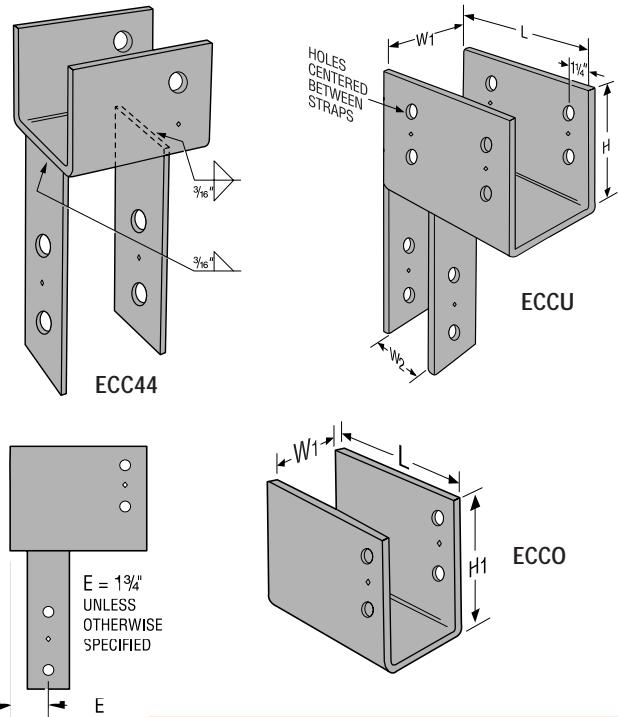
ECCL—L Column Cap. 7 gauge stirrups may be welded to column cap sides. Uplift loads do not apply to side stirrups. **ECCL has no uplift loads.** To order, add the appropriate letters and dimensions to the model number in the table; see examples.

The following criteria apply:

1. The side stirrup maximum allowable download cannot exceed 40% of the download in the table for the unmodified product, and cannot exceed 10,665 lbs. The sum of the loads cannot exceed the table load. The column width in the direction of the beam width must be the same as the beam width: W1.
2. Specify the stirrup height from the top of the cap. The minimum H2/H3 for the stirrup is 6½" (3½" for 44s).
3. The L dimension may vary depending on W3 or W4.

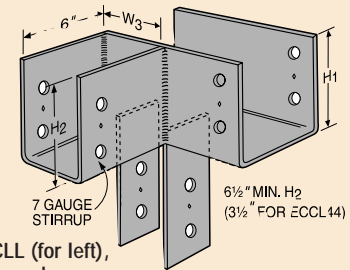
Ordering examples: An ECCLR66 with W3 = 3½", H2 = 7½" is an ECC66 end column cap with a 4x beam on the right side (specify L instead of R for left side stirrup) and stirrup seat 1" below the cap seat.

CODES: See page 8 for Code Listing Key Chart.



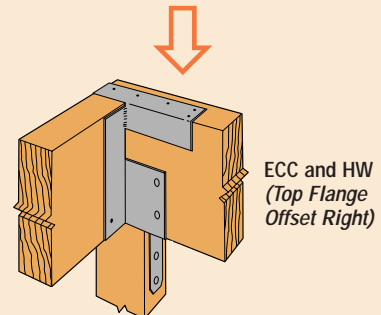
Optional ECC with straps rotated 90°

There are cost-effective alternatives for replacing column caps by using a combination of connectors. Here are some examples. Designer must specify the options required.



ECCLL (for left), shown above. Order ECCLR for right condition.

Instead of the column cap, consider this connector combination.



Side stirrups are available in different depths.

Order each connector separately.

For more information, request Form T-CC and the Product Worksheet.

NOTE: The side cap will be welded flush with the top of the main cap.

| Model No. | Dimensions | | | | | Fasteners | | | | Allowable Loads | | Code Ref. | |
|-----------|------------|----|-------|--------|----|-----------|----------|------|-----|-------------------|---------------------|-----------|----|
| | W1 | W2 | L ECC | L ECCU | H1 | Beam | | Post | | Uplift ECCU (133) | Down ECC/ECCU (100) | | |
| | | | | | | Qty ECC | Qty ECCU | Qty | Dia | | | | |
| ECC3¼-4 | 3¼ | 3½ | 7½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1010 | 6125 | 20 |
| ECC3¼-6 | 3¼ | 5½ | 7½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1010 | 9625 | |
| ECC44 | 3½ | 3½ | 5½ | 6½ | 4 | 1 | 2 | 5/8 | 2 | 5/8 | 205 | 7655 | |
| ECC46 | 3½ | 5½ | 8½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 740 | 12030 | |
| ECC48 | 3½ | 7½ | 8½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 740 | 16405 | |
| ECC5¼-4 | 5¼ | 3½ | 9½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 2735 | 10045 | |
| ECC5¼-6 | 5¼ | 5½ | 9½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 2735 | 15785 | |
| ECC5¼-8 | 5¼ | 7½ | 9½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 2735 | 21525 | |
| ECC64 | 5½ | 3½ | 7½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1165 | 12030 | |
| ECC66 | 5½ | 5½ | 7½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1165 | 18905 | |
| ECC68 | 5½ | 7½ | 9½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1165 | 25780 | |
| ECC6-7½ | 5½ | 7½ | 9½ | 9½ | 6½ | 2 | 4 | 5/8 | 2 | 5/8 | 1165 | 24060 | |
| ECC7½-4 | 7½ | 3½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 6295 | 18375 | |
| ECC7½-6 | 7½ | 5½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 6295 | 28875 | |
| ECC7½-7½ | 7½ | 7½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 6295 | 36750 | |
| ECC74 | 6¾ | 3½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 3605 | 13230 | |
| ECC76 | 6¾ | 5½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 3605 | 20790 | |
| ECC77 | 6¾ | 6¾ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 3605 | 25515 | |
| ECC78 | 6¾ | 7½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 3605 | 28350 | |
| ECC86 | 7½ | 5½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 2625 | 23100 | |
| ECC88 | 7½ | 7½ | 10½ | 10½ | 8 | 2 | 4 | ¾ | 2 | ¾ | 2625 | 31500 | |
| ECC96 | 8¾ | 5½ | 10½ | 10½ | 8 | 4 | 4 | ¾ | 2 | ¾ | 4670 | 26950 | |
| ECC98 | 8¾ | 7½ | 10½ | 10½ | 8 | 4 | 4 | ¾ | 2 | ¾ | 4670 | 36750 | |
| ECC106 | 9½ | 5½ | 10½ | 10½ | 8 | 4 | 4 | ¾ | 2 | ¾ | 3325 | 29260 | |

1. Post sides are assumed to lie in the same vertical plane as the beam sides.
2. Loads may not be increased for short-term loading.
3. Downloads are determined using Fc.L equal to: 560 psi for glulam sizes; 750 psi for 7½" size; 625 psi for all others; reduce where end bearing value of post, L/R of post, or other criteria are limiting.
4. Uplift loads have been increased 33% and 60% for earthquake or wind loading; reduce where other loads govern. **Uplift loads are limited by the beam shear capacity per 1997 NDS Section 3.4.5.**
5. ECC downloads assume a post of W1 x W2.
6. **Uplift loads assume minimum beam height of 11". Beam shear must be calculated for different heights. The load cannot be greater than listed.**