

[Product Details](#)

LCC Lally-Column Cap

Select Media



LCC Installed

LCC

Product Details

The LCC is designed specifically to be welded to the lally column and attach to the girder. The column cap provides a higher-capacity column-to-beam connection for new or replacement applications. Side plates capture the beam enabling a safer installation process than standard cap plates.

Key Features

- Provides adequate bearing length for larger girder reactions
- Cap fits over column for precise positioning and welding
- Designed specifically to work with 3 1/2"- and 4"-diameter lally columns

Material

- 12 gauge

Finish

- Simpson Strong-Tie® gray paint

Installation

- Use all specified fasteners; see General Notes
- Fit the lally column cap over the lally column and attach to the girder

Related Links

- [Wood Construction Connectors Technical and Installation Notes](#)

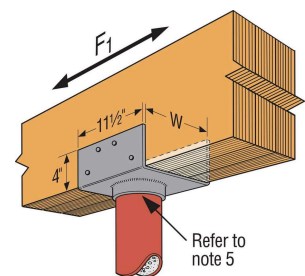


Product Information Table

| Model No. | Ga. | W (in.) | D (in.) | Coating/Material | Packaging Qty. |
|-------------|-----|---------|---------|-------------------------------|----------------|
| LCC3.5-3.5 | 12 | 3 5/8 | 3 1/2 | Simpson Strong-Tie Gray Paint | 1 |
| LCC3.5-4 | 12 | 3 5/8 | 4 | Simpson Strong-Tie Gray Paint | 1 |
| LCC4.5-3.5 | 12 | 4 5/8 | 3 1/2 | Simpson Strong-Tie Gray Paint | 1 |
| LCC4.5-4 | 12 | 4 5/8 | 4 | Simpson Strong-Tie Gray Paint | 1 |
| LCC5.25-3.5 | 12 | 5 3/8 | 3 1/2 | Simpson Strong-Tie Gray Paint | 1 |
| LCC5.25-4 | 12 | 5 3/8 | 4 | Simpson Strong-Tie Gray Paint | 1 |
| LCC6-3.5 | 12 | 6 1/8 | 3 1/2 | Simpson Strong-Tie Gray Paint | 1 |
| LCC6-4 | 12 | 6 1/8 | 4 | Simpson Strong-Tie Gray Paint | 1 |
| LCC7-3.5 | 12 | 7 1/8 | 3 1/2 | Simpson Strong-Tie Gray Paint | 1 |
| LCC7-4 | 12 | 7 1/8 | 4 | Simpson Strong-Tie Gray Paint | 1 |

Load Tables

| Model No. | W (in.) | Girder | Nails ⁷ | Lally Column Outside Diameter (in.) | Allowable Loads | | | F ₁ ⁵ (160) |
|-------------|---------|------------------|--------------------|-------------------------------------|-----------------------------|-------------|-----------------|--------------------------------------|
| | | | | | Download ^{1,2,3,4} | | Uplift (160) | |
| | | | | | DF/SP/SPF | LVL/PSL/LSL | | |
| LCC4.5-3.5 | 4 5/8 | Triple 2X10/12 | (8) 16d | 3 1/2 | 15,280 | — | — | 1,615 |
| LCC3.5-3.5 | 3 5/8 | 3.5 LVL/PSL/LSL | (8) 16d | 3 1/2 | — | 15,820 | — | 1,615 |
| LCC3.5-4 | 3 5/8 | 3.5 LVL/PSL/LSL | (8) 16d | 4 | — | 20,670 | — | 1,615 |
| LCC4.5-4 | 4 5/8 | Triple 2X10/12 | (8) 16d | 4 | 20,670 | — | — | 1,615 |
| LCC5.25-3.5 | 5 3/8 | 5.25 LVL/PSL/LSL | (8) 16d | 3 1/2 | — | 15,820 | — | 1,615 |
| LCC5.25-4 | 5 3/8 | 5.25 LVL/PSL/LSL | (8) 16d | 4 | — | 20,670 | — | 1,615 |
| LCC6-3.5 | 6 1/8 | Quad 2x10/12 | (8) 16d | 3 1/2 | 15,820 | — | — | 1,615 |
| LCC6-4 | 6 1/8 | Quad 2x10/12 | (8) 16d | 4 | 20,670 | — | — | 1,615 |
| LCC7-3.5 | 7 1/8 | 7 LVL/PSL/LSL | (8) 16d | 3 1/2 | — | 15,820 | — | 1,615 |
| LCC7-4 | 7 1/8 | 7 LVL/PSL/LSL | (8) 16d | 4 | — | 20,670 | — | 1,615 |



Typical LCC5.25-3.5 Installation connecting a 3-ply LVL and a 3 1/2" diameter (O.D.) steel column

1. Loads may not be increased for short-term loading.
2. Allowable loads are determined using the lowest of the bearing loads using F_c-perp equal to 425 psi for SPF, 625 psi for DF and 700 psi for LVL/PSL/LSL.
3. Loads are for a continuous beam.
4. Spliced conditions for the LCC must be detailed by the designer to transfer tension loads between spliced members by means other than the lally column. The splice condition load is 6,750 lbs per beam side for LCC must be evenly loaded.
5. To achieve lateral loads, the LCC pipe must be welded to the column with an 1/8" fillet weld around the entire pipe.
6. NAILS: 16d = 0.162" dia. x 3 1/2" long, 10d = 0.148" dia. x 3" long.
See [other nail sizes and information](#).

Related Products