

# LALLY LOCK COLUMN



## Patented Locking, Concrete Filled Column

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### EASY **1** **2** **3** INSTALL

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**Step 1** Choose your **column**

**Step 2** Choose your **cap plate**

**Step 3** Choose your **base plate**

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PORTLAND STONE WARE CO.



# Step 1: Choose your column

## Column Size Options

Column Diameter	Lengths Available
3 ½" - 16 gauge	6' to 12'
4" - 16 gauge	6' to 14'

Custom columns are available upon request.

## Column Load Table

	Lally Lock Column 16 ga Safe Load		Lally Lock Column 16 ga Ultimate Load	
	3 ½"	4"	3 ½"	4"
6-0	16,500#	21,300#	31.0 kips	40.0 kips
6-6	15,850#	20,650#	29.8 kips	38.8 kips
7-0	15,200#	20,050#	28.7 kips	37.7 kips
7-6	14,600#	19,350#	27.5 kips	36.4 kips
8-0	14,000#	18,700#	26.3 kips	35.2 kips
8-6	13,300#	18,000#	25.0 kips	33.9 kips
9-0	12,600#	17,300#	23.8 kips	32.6 kips
9-6	11,950#	16,550#	22.5 kips	31.2 kips
10-0	11,300#	15,800#	21.3 kips	29.8 kips
11-0	10,000#	14,400#	18.7 kips	27.1 kips
12-0	8,700#	12,900#	16.4 kips	24.3 kips
14-0	N/A	N/A	N/A	19.2 kips

This load chart was established by Dean Column Corporation.

One kip is about 1,000 pounds.



## Step 2: Choose your cap plate

### Lally Lock Cap Plates



#### Lally Lock Cap Plate

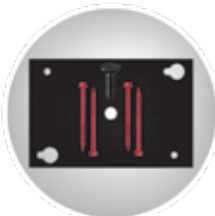
This plate is made in low carbon steel in dimensions 5 3/8" x 5 3/8" x 1/8". The plate has two 5/16" holes, two 1/4" slotted holes, four 3/8" oval holes, and four raised lugs to fit outside dimension of the column. One 9/16" counter sink hole is center located to attach the column. One 1/2" hex head screw is included in the packaging (5/16" hex head bit not included). Available to fit both 3 1/2" OD or 4" OD columns. Unpainted.

#### Lally Lock Beam Plate

The Lally Lock Beam Plate is a great option for wider beams. It is 8" long and made from 1/4" low carbon steel. The plate has either one keyhole or one 3/8" hole located in each corner and the plates are packaged with GRK screws. To accommodate any Lally Lock Column diameter, this plate has a 19/32" counter sunk hole in the center of the plate to accept a 1/2" bolt. This plate can be used for a 3 1/2" or 4" column.

#### Available sizes:

- » 3 1/8" x 8" x 1/4" for 2 2x's
- » 4 5/8" x 8" x 1/4" for 3 2x's
- » 6 1/8" x 8" x 1/4" for 4 2x's
- » 3 5/8" x 8" x 1/4" for 2 LVL
- » 5 3/8" x 8" x 1/4" for 3 LVL
- » 7 1/8" x 8" x 1/4" for 4 LVL



#### Lally Lock Saddle Plate

This plate is made from 12-gauge low carbon steel to wrap the sides of a beam. Eight 3/16" holes are cut out of each side of the saddle for bolting the saddle to the beam. Located in the center of the bottom of the saddle is a specially designed hole for a bolt to connect the plate to the column. It comes in different size saddles to fit different beams. Painted black.

#### Available sizes:

- » 3 1/8" x 4" x 11 1/2" for (2) 2x's
- » 3 5/8" x 4" x 11 1/2" for (2) LVL
- » 4 5/8" x 4" x 11 1/2" for (3) 2x's
- » 5 3/8" x 4" x 11 1/2" for (3) LVL
- » 6 1/8" x 4" x 11 1/2" for (4) 2x's
- » 7 1/8" x 4" x 11 1/2" for (4) LVL



\*Standard Plate



\*Beam Plate with Ring  
(similar to Springfield Plate)



\*Saddle Plate with Ring  
(similar to U Cap with Ring)



## Step 3: Choose your base plate

### Lally Lock Base Plates



#### Lally Lock Base Plate

This plate is made in low carbon steel in dimensions 5 3/8" x 5 3/8" x 1/8". The plate has two 5/16" holes, two 1/4" slotted holes, four 3/8" oval holes, and four raised lugs to fit outside dimension of the column. One 1/4" counter sink hole is center located to attach the column with one Phillips head concrete screw included in packaging (Phillips head bit not included). Available to fit both 3 1/2" OD or 4" OD columns. Unpainted.

#### Adjustable Base Set

- » Holds 55,000 pounds
- » 3" adjustment
- » Self leveling
- » 2 threaded holes in the bearing plate allow the plate to be connected to the base plate

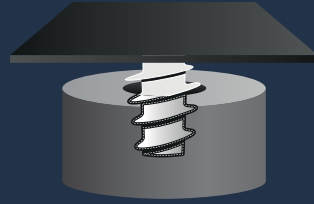


\*Standard Plate



\*Beam Plate with Ring  
(similar to Springfield Plate)

\* Please note: Portland Column plates also fit Lally Lock Columns, however it will not have the locking capability, therefore field welding is needed.

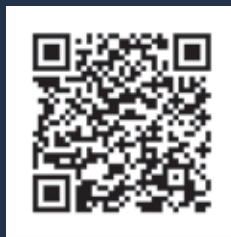


# LALLY LOCK COLUMN

*A Structural Lock Product*

- ✔ **No Welding**
- ✔ **One Man Install**
- ✔ **Uplift Protection**

For installation instructions or information on other Structural lock products, please visit our website.



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