



A NOVO Building Products Company



*Open up to Inspiration!*

# L.J. Smith then . . . and now!

We are honored to have this opportunity to share with you a little bit of our history, as well as some information about the quality and craftsmanship we build into our products every day.

L.J. Smith's heritage of American craftsmanship reaches far back in time. It all began in 1885, when a gentleman, by the name of L.J. Smith, began making staircases and the stair parts for each in Pittsburgh, Pennsylvania. In 1911, he moved his family to Conotton, Ohio, to continue the stairway business as "L.J. Smith and Son." L.J. Smith and his son, along with seven other craftsmen, were very busy keeping up with the demand for their meticulously crafted circular stairways that were going into large homes throughout the south.

Following the death of L.J. Smith, in 1942, the company continued to thrive under the leadership of his son until, in 1977, the Smith family sold the business.

The following decade offered tremendous growth opportunities for the company. The rising demand for our circular stairways

and stair parts lead to the construction of a new and much larger manufacturing facility located near Bowerston, Ohio, in 1989.

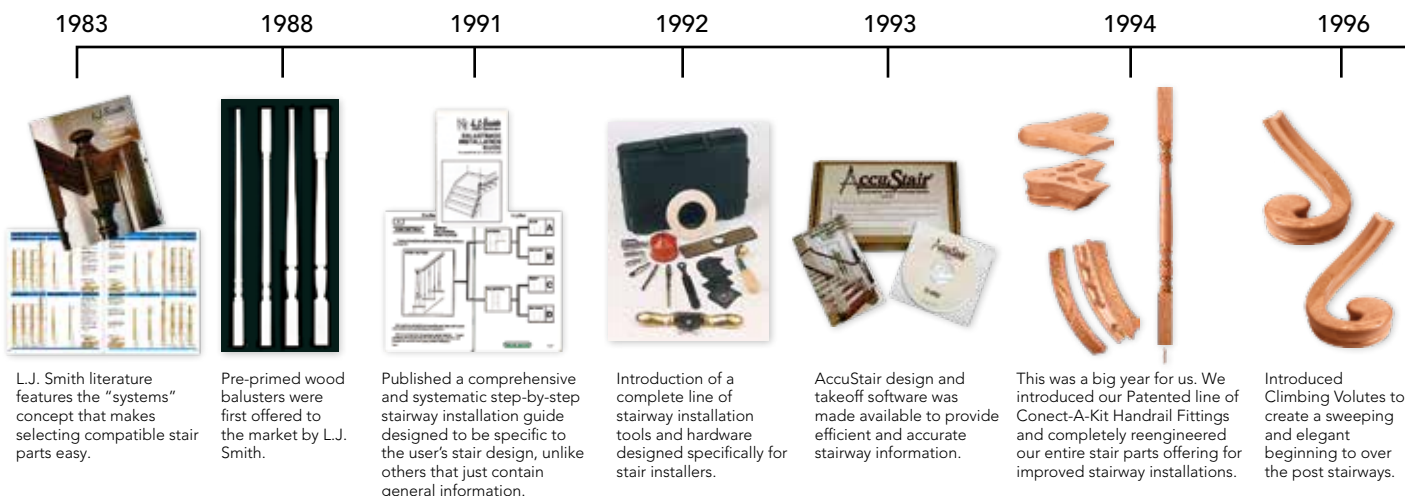
The new facility was utilized for the manufacturing of stair parts, while the original structure was renovated to accommodate the custom stair division of L.J. Smith, Inc.

Since 1991, L.J. Smith has made many strategic acquisitions and currently has 8 locations, four of which are complete manufacturing facilities, throughout the country in order to meet the needs of their valued customers.

Today, L.J. Smith is the largest stair parts manufacturing company in the country. Our continued growth over the past several decades is clearly a result of our leadership role in developing and taking to market new and innovative products & techniques. We have patents or patents pending on nearly two dozen products and processes. Our most recent innovations include: hardware to easily remodel stairways from wood balusters to iron balusters; half wall



## L.J. Smith's Time line of Innovations. . .



box newels for an economical upgrade from plain half wall stairways, stainless steel cable & tube infill systems and many other product enhancements and new designs.

The time line below illustrates the many unique ideas that we've developed into products or marketing tools. Many of these creations were designed to provide stair installers with alternative methods for building stronger stairways. Others were developed to broaden our product offering, providing unlimited design possibilities for any stairway.

Now, look to the pages ahead and see all the care and effort that we take to make the finest quality stairway components, then explore the beautiful choices of style, limited only by your imagination.....

## Connect with us!

Join us on social media for the latest news and product releases.



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# Why L.J. Smith?

L.J. Smith products are defined by their unique design—providing uncompromised durability and good looks. The exclusive features of many of our designs result in unsurpassed strength and the benefits are simply endless.....

**Our Handrail Fittings** — L.J. Smith offers two types of handrail fittings. Our “Traditional” fittings utilize rail bolts for installation and our patented line of “Conect-A-Kit®” fittings provide an even better and stronger method for securing handrail fittings to the handrail and to the newel posts. Aside from their common applications, seven of these fittings, used in combination, will make up 26 different Landing Fitting Assemblies (gooseneck fittings).

## Conect-A-Kit® Fittings



Conect-A-Kit fittings are bolted to the newel posts for a very secure stair system.



Goosenecks are assembled using lag bolts for stronger connections.



The completed assembly reveals no holes, putty or plugs to mar the beauty of the stairway because all of the installation hardware is concealed.

## Traditional Fittings



Finish nails are typically used for securing traditional fittings to newel posts. However, we recommend using our Mr. Grip perforated strips.



Traditional gooseneck fittings are assembled with clamp nails.



Utilize clamp nails, rail bolts and wood plugs for installation.

Conect-A-Kit® unique design also conceals every bit of the installation hardware.

See pages 70-76 for our complete line of Conect-A-Kit® and “Traditional” fittings.

Conect-A-Kit fittings are **Bolted** to the newel posts.

Traditional fittings are secured to the post using our Mr. Grip™ perforated strips

**Our Balusters** — We offer two types of balusters to suit your installation and aesthetic preferences.

Our “LJ-” Series utilizes a double-end lag screw in the bottom of each baluster. This technique pulls the balusters extremely tight against the surface, producing a very strong railing system....and the hardware is completely concealed. The turning details of these carefully designed balusters flow parallel to the handrail.

The “S-” Series balusters have a turned pin on the bottom for installation and their bottom block detail flows parallel to the treads.

All baluster designs can be found on pages 13-14.

## “LJ-” Series Balusters



The double-end lag screw securely tightens down each baluster for a strong rail system. Our Pin E-Z can also be used for installing in the traditional manner.

The hardware is totally concealed so there will be no unsightly marks from installing the balusters.



The turning detail flows with the handrail.

## “S-” Series Balusters



The turned wooden pin inserts into drilled holes on the treads and/or landing.

Adhesive and finish nails are typically used for installation to fasten the balusters to the treads.



The detail at the bottom of the baluster flows with the treads.

LJ- Series balusters are **Screwed** down to the treads

S- Series balusters are **glued and nailed** to the treads

Our Newel Posts are Bolted to the mounting surface

**The choice is yours to experience you're settled into your new or**

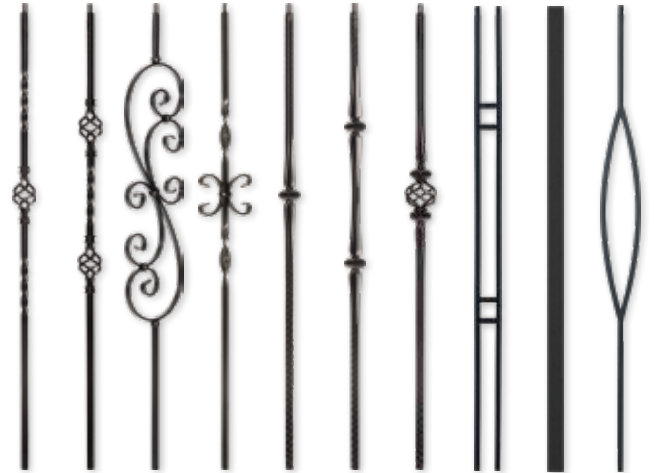


L.J. Smith is the “one stop shop” for everything needed for your stairway....from our individually crafted component parts to our exclusive offering of innovative tools for installing them. Nowhere will you find a selection that even comes close to the vast array of styles available from L.J. Smith.

**Wooden Balusters** — If you have a specific design in mind, we’re certain you will find it within the 54 styles we offer. You might decide to move up to one of our heavier styles for an even more dramatic stairway. Below is a sampling of our baluster offering. See pages 13-14 for our array of beaded, fluted, twisted, octagonal styles.



**Ornamental Iron Balusters** — Generations of fine styling endures in each of our 46 hand forged ornamental balusters. Coupled with the warm touch of a wooden handrail, this timeless combination is as durable as it is beautiful. The bottom of pages 13 & 14 picture the popular styles we offer.



**Handrails** — Our 33 handrail profiles provide plenty of options from which to choose. Many are also available in bending rail for applications requiring curved hand railing. A glimpse of our handrail profiles can be found on pages 13-14, and our bending rail selections are featured on page 80.



**Wooden and Iron Newel Posts** — Choose from over 90 perfectly proportioned newel posts of wood or iron. As the “anchors” of your stairway, these are both durable and substantial without any sacrifice of fine design and enduring quality of workmanship. See pages 15-16 for an impressive look at our newel post collection.

the finest, and we’re convinced that, after your L.J. Smith stairway is completed and remodeled home, you will have peace of mind from knowing you made the right choice!

# Photo Portfolio



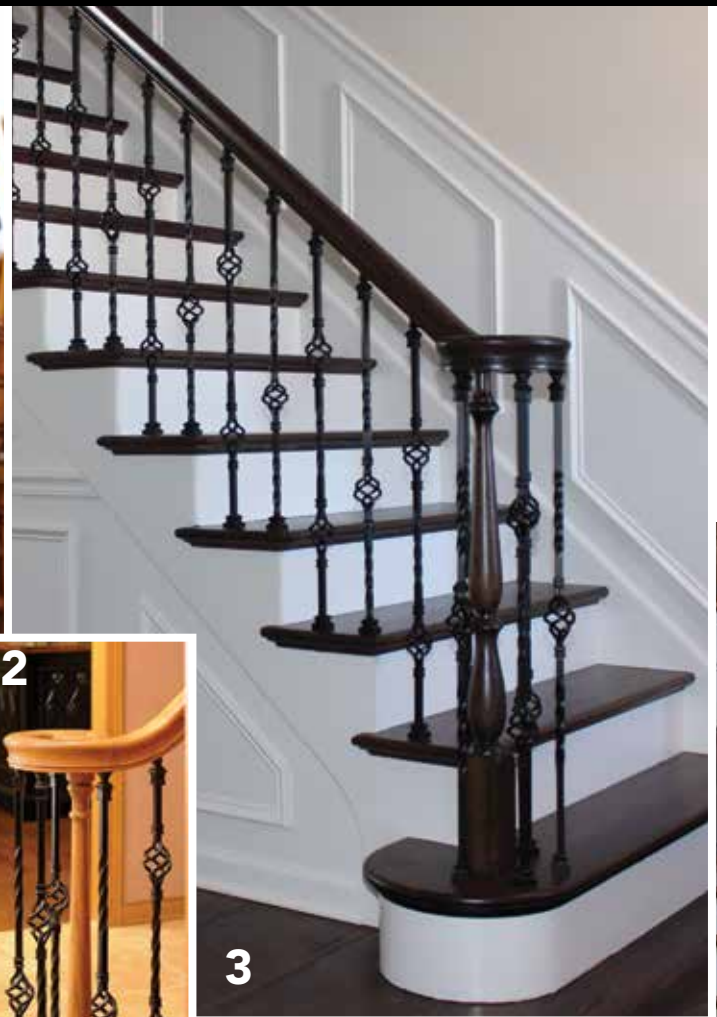
1

**1** LIH-MG1KNUC44 & LIH-MG2KNUC44 Iron Balusters, LJRA-4091 Raised Panel Box Newel and LJ-6900 Handrail



2

**2** LIH-HOL1BASK44, LIH-HOL2BASK44 Iron Balusters and LI-PROLVL IronPro, LJ-4010 Newel, LJ-6010 Handrail and LJ-7030 Volute



3

**3** LIH-HOL1BASK44, LIH-HOL2BASK44 Iron Balusters and LI-PROLVL IronPro, Custom Newel, LJ-6010 Handrail and LJ-7030 Volute



4

**4** LIH-HOL1BASK44, LIH-HOLDBLTW44 Iron Balusters and LI-PROLVL IronPro, LJ-4040 Newels and LJ-6010 Handrail





**5** LIH-HOLPLA44 & LIH-HOL166244 Iron Balusters, LJ-4091 Box Newels and 6800ST Handrail

**6** LIH-HOL30544 & LIH-HOL30844 Iron Balusters, LJ-4091 Box Newels and LJ-6519 Handrail

**7** LIH-HOLPLA44 Iron Balusters with LI-ALAK05 Adjustable Knuckles and LI-PROLVL IronPro, LJ-4010 Newel and LJ-6010 Handrail

**8** LIH-HOL14044, LIH-HOL15044  
LIH-HOL14344 & LIH-HOL30144 Iron  
Balusters, LJF-3010 Newels, LJ-6519B  
Bending Handrail, LJ-7531 Climbing  
Volute & LJ-8215 Bowed Starting Step





# Photo Portfolio



1



2



3

**1** LIH-HOLPLA44 Iron Balusters with LI-ALAK01 Adjustable Knuckles, LI-ALM06 & LI-ALPSH02 Collars, LJ-4050 Newel, LJ-6010 Handrail and LJ-7030 Volute

**2** LIH-HOL1BASK44 & LIH-HOL2BASK44 Iron Balusters with LI-PROLVL IronPro, LJ-4040 Newels, LJ-6010 Handrail

**3** LIH-HOLPLA44 Iron Balusters, LIH-HOL1/2CONCEAL Baluster Fasteners, LIH-NWLPLA48 Iron Newels and LJ-6210 Handrail

**4** LIH-HOL166344 and LIH-HOLPLA44 Iron Balusters, LJ-4091 Box Newels, and LJ-6210 Handrail

**5** LIH-HOL166744 and LIH-HOLPLA44 Iron Balusters, LIH-HOL1/2CONCEAL Baluster Fasteners, LJ-4101G Newels and 684 Handrail



5



4



6

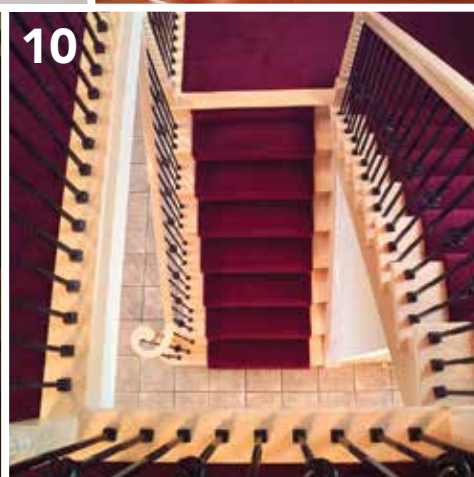





**7**

**8**

**9**

**11**

**10**

**6** LIH-HOL30144 & LIH-HOL2TW44 Iron Balusters, LJT-3010 Newels, LJ-6400 Handrail with LJ-7430 and LJ-7435 Volutes

**7** LIH-KW60144, LIH-KW2TW44 Iron Balusters, LJ-3513PT Newel Post, LJ-6010 Handrail and LJ-7038 Vertical Volute

**8** LIH-HOL65744A and LIH-HOL65144 Iron Balusters, LJ-4101G Newels, and 684 Handrail

**9** LIH-HOL1BASK44, LIH-HOL2TW44 & LIH-HOL60144 Iron Balusters, LJRA-4091 Box Newels, LJ-6900B Bending Handrail with LJ-7911 Quarterturns and LJ-7912 Upeasings

**10** LIH-HOL1BASK44, LIH-HOLDBLTW44 Iron Balusters, LJT-3010 Newels, LJ-6010 Handrail and LJ-7031 Climbing Volute

**11** LIH-HOL30144, LIH-HOLPLA44 Iron Balusters with LI-ALAK02 Adjustable Knuckles, LJ-4010 Newels, Custom Box Newels with Stainable Caps, LJ-6010 Handrail and LJ-7030 & LJ-7035 Volutes



# Photo Portfolio



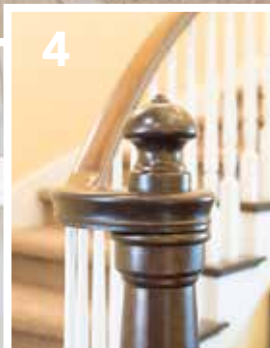
**1** LJC-5360 Balusters,  
LJ-4094 Box Newels and  
LJ-6210P Plowed Handrail

**2** LJB-2915 Balusters,  
LJB-3910 Newels,  
LJ-6900B Bending  
Handrail and LJ-7936  
Climbing Volute

**3** LJP-2915 Balusters,  
LJP-3910 newels, LJ-6900  
Handrail, LJ-7930 and  
LJ-7935 Volutes

**4** Custom turned newel  
and finial

**5** LJ-5360 Balusters,  
LJ-4091 Box Newels,  
LJ-6400P Plowed Handrail






**6**

**6** LJ-5300 Wood Balusters, LIH-HOL1TW44 & LIH-HOL50144 Iron Balusters, LJ-4091 Box Newel and LJ-6519 Handrail


**7**

**7** LJP-2115 Balusters, LJ-4094 Recessed Panel Box Newels and LJ-6701 Handrail


**8**

**8** LJ-2111 Balusters, LJF-3210 Newels, LJ-6A10 handrail.

**9** LJ-5360 Balusters, Custom LJ-4094 Recessed Panel Box Newels, and LJ-6400P Plowed Handrail.

**10** LJP-2415 balusters, LJP-3240BT Post to Post Newel, LJP-3210 Over the Post Newel with matching custom pin top newels and custom handrail.


**9**

**10**

# Four Simple Steps for Selecting a Beautiful

Selecting the component styles for your stairway should be simple, not complicated. L.J. Smith makes this process very easy with these "Four Steps for Selecting a Beautiful Stair System." As you review these steps, you will notice that we offer a very wide variety of styles from which to choose. Our wood stair parts are available in oak, beech, poplar, maple, hemlock, cherry and we will quote many other species as well. Our wood balusters are also available with a factory primer coating. All stairway components in this catalog are intended for interior use only.

## STEP 1

The systems pages of this catalog are divided into two sections to simplify your selection process. To begin, select either the **Post to Post** style or the **Over The Post** style of stairway.

### Post to Post Systems

*The Handrail runs between the newel posts*



Pictured above: LJ-6519 Handrail, LJ-4091 Box Newels, LIH-HOL1BASK44 and LIH-HOLDBLTW44 Iron Balusters.

**Post to Post Systems can be found on Pages 18-41**

### Over the Post Systems

*The handrail runs over the newel posts with the use of handrail fittings*



Pictured above: LJ-6900 Handrail, LJP-3910 Utility Newels, LJP-3915 Intermediate Landing Newel, LJP-2915 Balusters, LJ-7930 and LJ-7935 Volutes, Landing Fitting Assemblies.

**Over the Post Systems can be found on Pages 42-55**

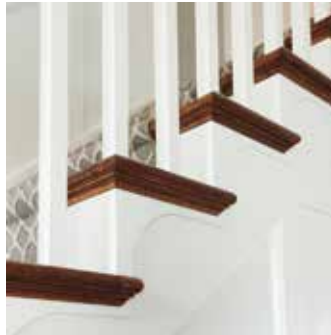


## STEP 2

After selecting a stairway style, there are a couple more “style” decisions that need to be made before selecting the stairway components. First, decide if the stairway will have Open Treads or a Kneewall and what tread treatment will be utilized. Then, if you chose the **Post to Post** stairway style in step 1, refer to the left bottom side of this page. If you chose the **Over The Post** stairway style see the right bottom half of this page.

### Decide if your stairway will have Open Treads or a Kneewall

On an Open Tread Stairway, the balusters are installed directly to the top of the stairway treads. Choose whether or not the steps will be carpeted. If the steps are to be carpeted, then decide if the wood on the treads will be exposed at one or both ends. See pages 78-79 for our available tread products.



Open Tread Stairway



Kneewall Stairway

On a Kneewall Stairway, the balusters are installed into a shoerail and the tread ends are closed or “boxed in”. Decide whether or not the steps will be carpeted. If the steps are to be carpeted, then decide if the carpet runs wall to wall, or if the wood on the treads will be exposed at the ends. See pages 78-79 for our available tread products.

Below are examples of several tread treatments



Kneewall stairway, carpet wall to wall



Open tread stairway, no carpet



Open tread stairway, wood exposed both ends, carpet



Open tread stairway with full treads and open risers

### Post to Post Systems

Now determine whether or not the stairway will have landing fitting assemblies at the landings



Landing Fitting Assembly (gooseneck) is used with a short block newel post at all landings.



Handrail runs straight into the top block of the newel post at all landings.

### Over the Post Systems

Now select the starting fitting(s) that will be used at the bottom of the stairway\*



**Climbing Volute**  
Requires a Starting Step



**Volute**  
Requires a Starting Step



**Turnout**  
Requires a Starting Step



**Vertical Volute**  
Does not require a Starting Step



**Starting Easing with Cap**  
Does not require a Starting Step

**\*NOTE:** If a Kneewall style stairway was selected above, then a Vertical Volute or Starting Easing with Cap should be selected here.



# Four Simple Steps for Selecting a Beautiful

**STEP 3** Select a **BALUSTER**. When selecting a wood baluster style, you can choose either a Pin Top or a Square Top Style. To the right are photos showing both styles. After deciding which "look" you prefer, make your selection from the wood balusters below. If you prefer iron balusters, make your selection from the Ornamental Iron balusters at the bottom of these two pages.

**STEP 4** Select a **HANDRAIL**. The corresponding handrails are shown above the balusters with which they can be used.

## NON-PLOWED HANDRAILS



LJ-6109 LJ-6210 LJ-6400 LJ-6519 LJ-6701 LJ-6900 LJ-6A10 LJ-6B10

## 1 3/4" PIN TOP BALUSTERS



Harbor Collection

Pages: 19, 43

Briarcliffe Collection

Pages: 21, 45

Regent Collection

Pages: 25, 49

Harmony Collection

Pages: 27, 51

Colony Collection

Page: 30

Clean Collection

See Page 33 for compatible handrails

LaSalle Collection

Pages: 23, 47

Classic Collection

Pages: 29, 55

Cornerstone Collection

Pages: 31, 53

Crisp Collection

Page: 34

## NON-PLOWED HANDRAILS



LJ-6002

LJ-6010

LJ-6109

LJ-6601

LJ-6A10

LJ-6B10

## 1 3/4" PIN TOP BALUSTERS



All balusters below can be used with any of our Non-Plowed Handrails

## ORNAMENTAL IRON BALUSTERS



Horizon Collection  
Pages: 57, 58

Ribbon Collection  
Page: 59

Contempo Collection  
Page: 60

Finesse Collection  
Page: 61

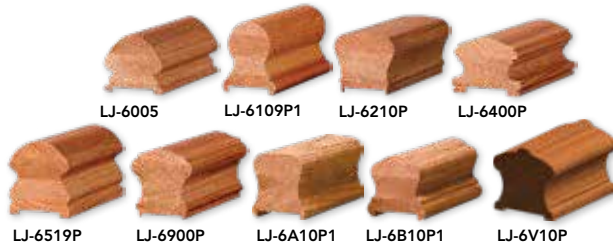


*Pin Top  
Balusters are  
used with  
Flat Bottom  
(non-plowed)  
Handrails*



*Square Top  
Balusters  
are used  
with Plowed  
Handrails*

## PLOWED HANDRAILS



## 1 3/4" SQUARE TOP BALUSTERS



**Harbor  
Collection**

Pages:  
19, 43

**Briarcliffe  
Collection**

Pages:  
21, 45

**Regent  
Collection**

Pages:  
25, 49

**Harmony  
Collection**

Pages:  
27, 51

**Colony  
Collection**

Page:  
30

**Carved  
Collection**

Page:  
35

## 1 1/4" SQUARE TOP BALUSTERS



**LaSalle  
Collection**

Pages:  
23, 47

**Classic  
Collection**

Pages:  
29, 55

**Cornerstone  
Collection**

Pages:  
31, 53

## 1 1/4" SQUARE BALUSTERS



**Clean  
Collection**

Page: 33

**Crisp  
Collection**

Page: 34

More styles available on pages 33-34

**All balusters below can be used with any of our Non-Plowed Handrails**

## ORNAMENTAL IRON BALUSTERS



**Pummel  
Collection**

Page: 62



**Camelot  
Collection**

Page: 63



**Espresso  
Collection**

Page: 64



**Mega  
Collection**

Page: 65

# Four Simple Steps for Selecting a Beautiful

On these two pages you will find our vast array of newel post styles. While being sure to look at the top row for a **Post to Post** stair or the bottom row for an **Over The Post** stair, find the newel post style which matches your chosen baluster.

## POST TO POST STYLES



Harbor  
Collection  
Page: 20



Briarcliffe  
Collection  
Page: 22



LaSalle  
Collection  
Page: 24



Regent  
Collection  
Page: 26



Harmony  
Collection  
Page: 28



Classic  
Collection  
Page: 29



Colony  
Collection  
Page: 30

## OVER THE POST STYLES



Harbor  
Collection  
Page: 44



Briarcliffe  
Collection  
Page: 46



LaSalle  
Collection  
Page: 48



Regent  
Collection  
Page: 50



You can then refer to the page listed below the selected newel to see the complete system. **Post to Post** systems can be found on pages 19 to 41 and **Over The Post** systems can be found on pages 43 to 55.

## POST TO POST STYLES



**Cornerstone  
Collection**  
Page: 32

**Clean  
Collection**  
Page: 33

**Crisp  
Collection**  
Page: 34

**Carved  
Collection**  
Page: 35

**Heirloom  
Collection**  
Page: 36-41

Many more styles of Box Newels are available on pages 36-41

## OVER THE POST STYLES



**Harmony  
Collection**  
Page: 52

**Classic  
Collection**  
Page: 55

**Cornerstone  
Collection**  
Page: 54

**Iron  
Collection**  
Page: 66

# Our Wood Species

L.J. Smith is proud to offer the following standard species of wood products. Material in all of these species is in stock and can be made into nearly any of our wood stair components. We would also be glad to quote any other species, as well. Call us for product availability and lead times on these, and other species.

*Note: all species shown here are clear coated for illustrative purposes only.*



Alder



Beech



Brazilian Cherry



Cherry



Genuine Mahogany



Hard Maple



Hemlock



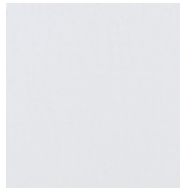
Hickory



Maple



Poplar



Primed



Red Oak

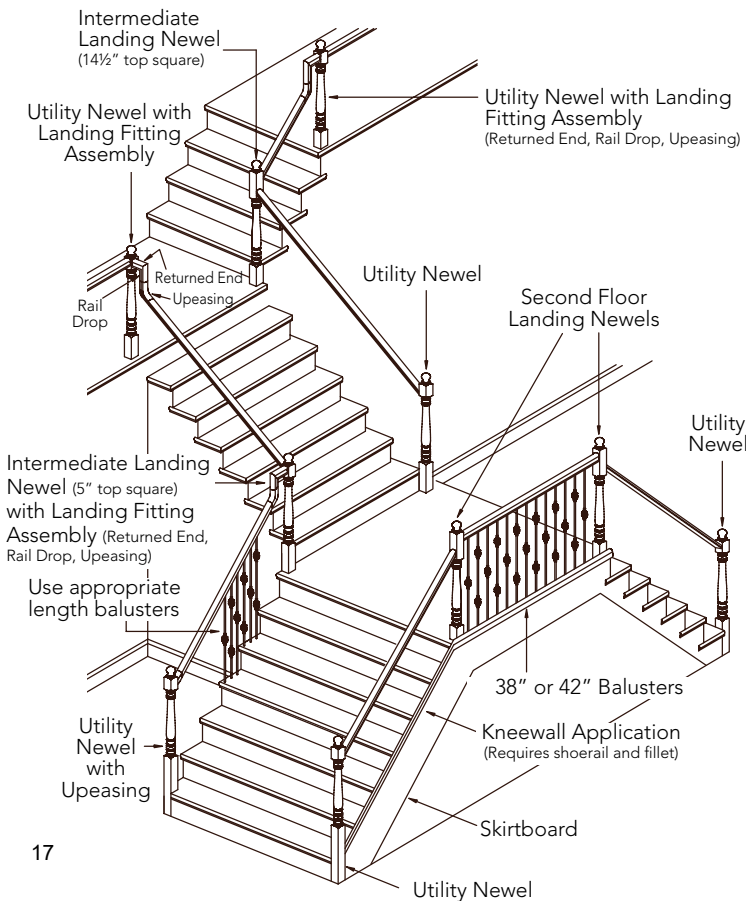


Walnut

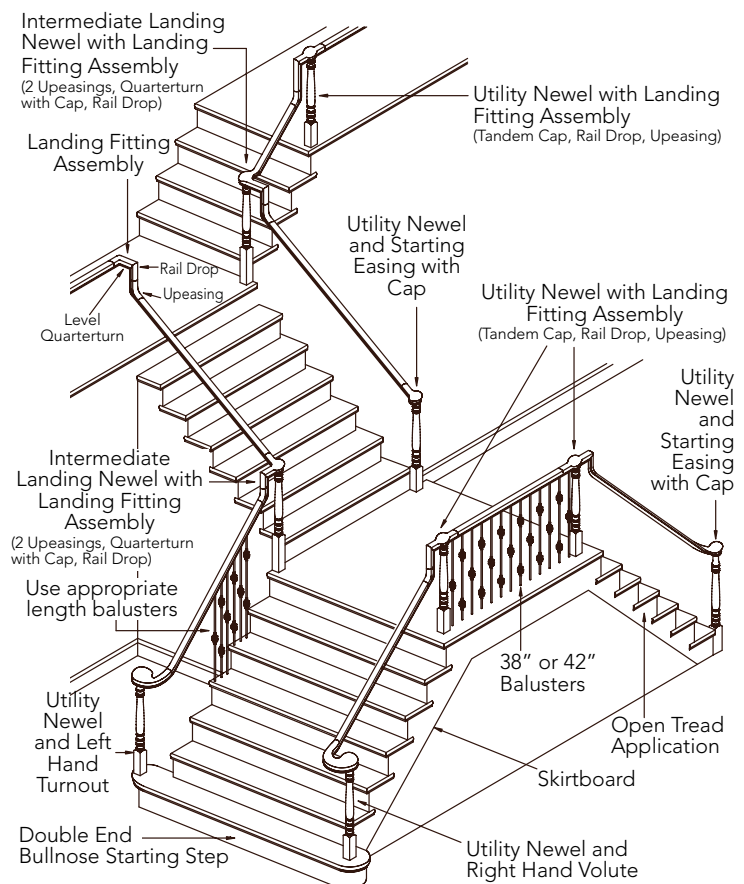


White Oak

## Anatomy of a Post to Post System



## Anatomy of an Over the Post System





# Post to Post Systems

This section features all of our wood Post to Post Balustrade options. Each collection pictures components that are compatible with one another. We recommend choosing the handrail, baluster and newel styles for your stairway from the same collection.

Pictured: LJ-6010 Handrail,  
LJ-6010B Bending Handrail,  
S-5015 Balusters, and LJ-4180  
Newel Series.

## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



2915 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.



### Shoerail & Fillet



2905 balusters can be used with LJ-6005, LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.



Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

### Product Dimensions

| Handrails:                  | Height          | Profile Width     | Bottom Width     | Plow Width        |                |                |
|-----------------------------|-----------------|-------------------|------------------|-------------------|----------------|----------------|
| LJ-6005                     | 2 5/8" (59 mm)  | 2 1/2" (64 mm)    | 2 1/2" (64 mm)   | 1 3/4" (44 mm)    |                |                |
| LJ-6109                     | 2 1/4" (73 mm)  | 1 1/4" (48 mm)    | 2 3/4" (60 mm)   | N/A               |                |                |
| LJ-6109P1                   | 2 1/4" (73 mm)  | 1 1/4" (48 mm)    | 2 3/4" (60 mm)   | 1 3/4" (44 mm)    |                |                |
| LJ-6210                     | 2 3/4" (60 mm)  | 2 3/4" (67 mm)    | 2" (51 mm)       | N/A               |                |                |
| LJ-6210P                    | 2 3/4" (60 mm)  | 2 3/4" (67 mm)    | 2" (51 mm)       | 1 3/4" (44 mm)    |                |                |
| LJ-6400                     | 2 1/4" (57 mm)  | 2 3/4" (70 mm)    | 3" (76 mm)       | N/A               |                |                |
| LJ-6400P                    | 2 1/4" (57 mm)  | 2 3/4" (70 mm)    | 3" (76 mm)       | 1 3/4" (44 mm)    |                |                |
| LJ-6519                     | 3" (76 mm)      | 2 3/4" (67 mm)    | 2 3/4" (67 mm)   | N/A               |                |                |
| LJ-6519P                    | 3" (76 mm)      | 2 3/4" (67 mm)    | 2 3/4" (67 mm)   | 1 3/4" (44 mm)    |                |                |
| LJ-6701                     | 2 1/4" (54 mm)  | 2 3/4" (70 mm)    | 1 3/4" (41 mm)   | N/A               |                |                |
| LJ-6900                     | 2 3/4" (70 mm)  | 2 3/4" (67 mm)    | 1 1 3/8" (49 mm) | N/A               |                |                |
| LJ-6900P                    | 2 3/4" (70 mm)  | 2 3/4" (67 mm)    | 1 1 3/8" (49 mm) | 1 3/4" (44 mm)    |                |                |
| LJ-6A10                     | 2 3/4" (60 mm)  | 2" (51 mm)        | 2 1/4" (54 mm)   | N/A               |                |                |
| LJ-6A10P1                   | 2 3/4" (60 mm)  | 2" (51 mm)        | 2 1/4" (54 mm)   | 1 3/4" (44 mm)    |                |                |
| LJ-6B10                     | 2 3/4" (59 mm)  | 2" (51 mm)        | 2 3/4" (60 mm)   | N/A               |                |                |
| LJ-6B10P1                   | 2 3/4" (59 mm)  | 2" (51 mm)        | 2 3/4" (60 mm)   | 1 3/4" (44 mm)    |                |                |
| Shoerail and Fillet:        | Height          | Width             | Plow Width       |                   |                |                |
| LJ-6006                     | 1" (25 mm)      | 3 1/4" (79 mm)    | 1 3/4" (44 mm)   |                   |                |                |
| LJ-6007                     | 3/4" (8 mm)     | 1 3/4" (44 mm)    | N/A              |                   |                |                |
| Balusters:                  | Top Block       | Turning Length    | Bottom Block     | Square Size       | Overall Length |                |
| 2905-34                     | 6 1/2" (165 mm) | 21 1/4" (535 mm)  | 6 7/8" (164 mm)  | 1 3/4" (44 mm)    | 34" (864 mm)   |                |
| 2905-38                     | 6 1/2" (165 mm) | 21 1/4" (535 mm)  | 10 7/8" (265 mm) | 1 3/4" (44 mm)    | 38" (965 mm)   |                |
| 2905-42                     | 6 1/2" (165 mm) | 21 1/4" (535 mm)  | 14 7/8" (367 mm) | 1 3/4" (44 mm)    | 42" (1067 mm)  |                |
| 2915-34                     | N/A             | 27 9/16" (700 mm) | 6 7/8" (164 mm)  | 1 3/4" (44 mm)    | 34" (864 mm)   |                |
| 2915-38                     | N/A             | 27 9/16" (700 mm) | 10 7/8" (265 mm) | 1 3/4" (44 mm)    | 38" (965 mm)   |                |
| 2915-42                     | N/A             | 27 9/16" (700 mm) | 14 7/8" (367 mm) | 1 3/4" (44 mm)    | 42" (1067 mm)  |                |
| Newel Posts:                | Finial          | Top Block         | Turning Length   | Bottom Block      | Square Size    | Overall Length |
| Utility Newels              |                 |                   |                  |                   |                |                |
| 3940                        | 5 7/8" (138 mm) | 5" (127 mm)       | 23 1/4" (586 mm) | 14 1/4" (362 mm)  | 3 1/4" (83 mm) | 48" (1219 mm)  |
| 3942                        | 5 7/8" (138 mm) | 5" (127 mm)       | 23 1/4" (586 mm) | 24 1/4" (616 mm)  | 3 1/4" (83 mm) | 58" (1473 mm)  |
| Second Floor Landing Newel  |                 |                   |                  |                   |                |                |
| 3945                        | 5 7/8" (138 mm) | 11" (279 mm)      | 19 1/2" (495 mm) | 21 1/4" (552 mm)  | 3 1/4" (83 mm) | 58" (1473 mm)  |
| Intermediate Landing Newels |                 |                   |                  |                   |                |                |
| 3946                        | 5 7/8" (138 mm) | 14 1/2" (368 mm)  | 16" (406 mm)     | 36 3/4" (933 mm)  | 3 1/4" (83 mm) | 73" (1854 mm)  |
| 3958                        | 5 7/8" (138 mm) | 5" (127 mm)       | 23 1/4" (586 mm) | 44 1/4" (1124 mm) | 3 1/4" (83 mm) | 78" (1981 mm)  |

\* Length is from the top of the bottom block to the top of the baluster



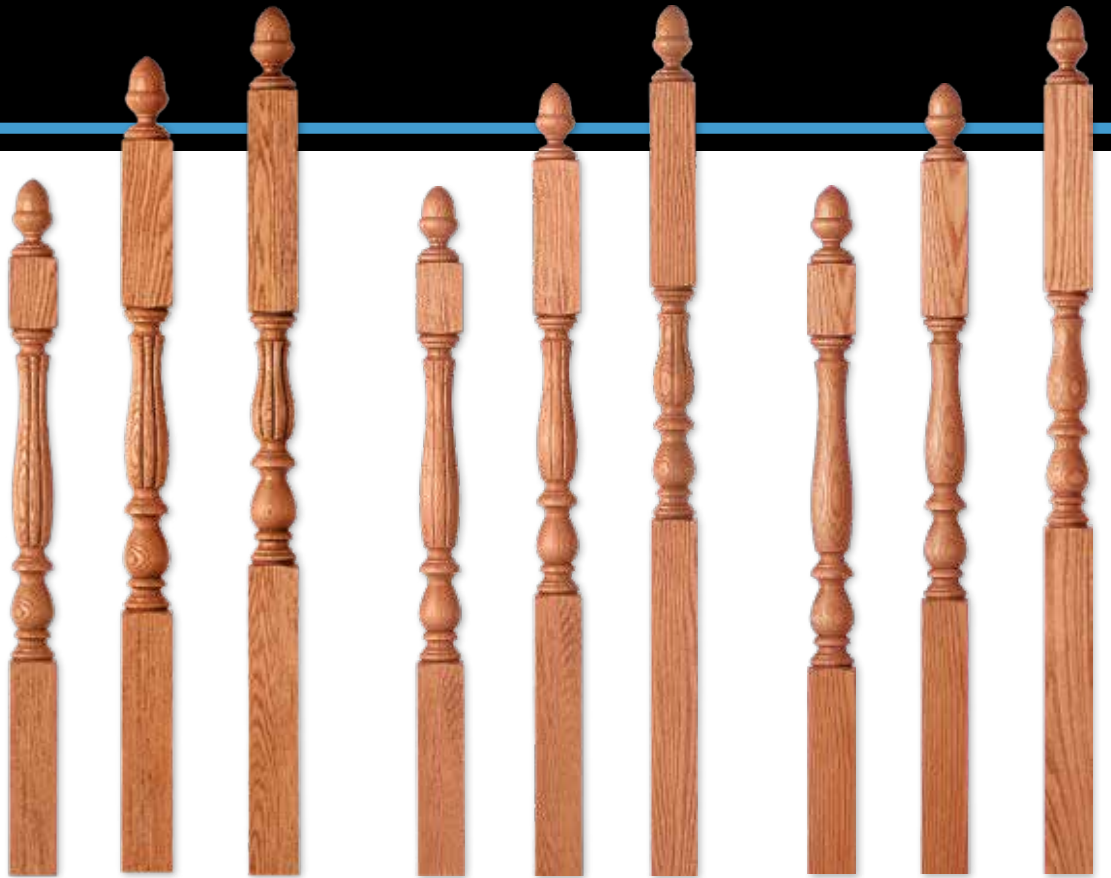


## Newel Posts

## Newel Drop



LJ-4099A



LJB-3940  
LJB-3942  
LJB-3958†

LJB-3945

LJB-3946

LJF-3940  
LJF-3942  
LJF-3958†

LJF-3945

LJF-3946

LJP-3940  
LJP-3942  
LJP-3958†

LJP-3945

LJP-3946

Box Newels

Beaded Option

Fluted Option

† Requires a landing fitting assembly (gooseneck pp 75-76)



Pictured Above: LJ-6900 Handrail, Custom Box Newels and LJP-2915 Balusters.

Pictured Right: LJ-6519 Handrail, LJB-3940 Utility Newels, LJB-2915 Balusters.



## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



2115 and LJ-2111 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

## Shoerail & Fillet



2105 balusters can be used with LJ-6005, LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

## Product Dimensions

| Handrails:                  | Height          | Profile Width     | Bottom Width      | Plow Width        |                |                |
|-----------------------------|-----------------|-------------------|-------------------|-------------------|----------------|----------------|
| LJ-6005                     | 2 1/4" (59 mm)  | 2 1/4" (64 mm)    | 2 1/4" (64 mm)    | 1 3/4" (44 mm)    |                |                |
| LJ-6109                     | 2 3/8" (73 mm)  | 1 3/8" (48 mm)    | 2 3/8" (60 mm)    | N/A               |                |                |
| LJ-6109P1                   | 2 3/8" (73 mm)  | 1 3/8" (48 mm)    | 2 3/8" (60 mm)    | 1 3/4" (44 mm)    |                |                |
| LJ-6210                     | 2 3/8" (60 mm)  | 2 3/8" (67 mm)    | 2" (51 mm)        | N/A               |                |                |
| LJ-6210P                    | 2 3/8" (60 mm)  | 2 3/8" (67 mm)    | 2" (51 mm)        | 1 3/4" (44 mm)    |                |                |
| LJ-6400                     | 2 1/4" (57 mm)  | 2 3/4" (70 mm)    | 3" (76 mm)        | N/A               |                |                |
| LJ-6400P                    | 2 1/4" (57 mm)  | 2 3/4" (70 mm)    | 3" (76 mm)        | 1 3/4" (44 mm)    |                |                |
| LJ-6519                     | 3" (76 mm)      | 2 3/8" (67 mm)    | 2 3/8" (67 mm)    | N/A               |                |                |
| LJ-6519P                    | 3" (76 mm)      | 2 3/8" (67 mm)    | 2 3/8" (67 mm)    | 1 3/4" (44 mm)    |                |                |
| LJ-6701                     | 2 1/4" (54 mm)  | 2 3/4" (70 mm)    | 1 3/4" (41 mm)    | N/A               |                |                |
| LJ-6900                     | 2 3/4" (70 mm)  | 2 3/8" (67 mm)    | 1 3/4" (49 mm)    | N/A               |                |                |
| LJ-6900P                    | 2 3/4" (70 mm)  | 2 3/8" (67 mm)    | 1 3/4" (49 mm)    | 1 3/4" (44 mm)    |                |                |
| LJ-6A10                     | 2 3/8" (60 mm)  | 2" (51 mm)        | 2 1/8" (54 mm)    | N/A               |                |                |
| LJ-6A10P1                   | 2 3/8" (60 mm)  | 2" (51 mm)        | 2 1/8" (54 mm)    | 1 3/4" (44 mm)    |                |                |
| LJ-6B10                     | 2 3/8" (59 mm)  | 2" (51 mm)        | 2 3/8" (60 mm)    | N/A               |                |                |
| LJ-6B10P1                   | 2 3/8" (59 mm)  | 2" (51 mm)        | 2 3/8" (60 mm)    | 1 3/4" (44 mm)    |                |                |
| Shoerail and Fillet:        | Height          | Width             | Plow Width        |                   |                |                |
| LJ-6006                     | 1" (25 mm)      | 3 3/4" (78 mm)    | 1 3/4" (44 mm)    |                   |                |                |
| LJ-6007                     | 3/4" (8 mm)     | 1 3/4" (44 mm)    | N/A               |                   |                |                |
| Balusters:                  | Top Block       | Turning Length    | Bottom Block      | Square Size       | Overall Length |                |
| 2105-34                     | 6 1/2" (165 mm) | 19 1/4" (486 mm)  | 8 3/4" (213 mm)   | 1 3/4" (44 mm)    | 34" (864 mm)   |                |
| 2105-38                     | 6 1/2" (165 mm) | 19 1/4" (486 mm)  | 12 3/4" (314 mm)  | 1 3/4" (44 mm)    | 38" (965 mm)   |                |
| 2105-42                     | 6 1/2" (165 mm) | 19 1/4" (486 mm)  | 16 3/4" (416 mm)  | 1 3/4" (44 mm)    | 42" (1067 mm)  |                |
| 2111-34                     | N/A             | 25 3/4" (651 mm)  | 8 3/4" (213 mm)   | 1 3/4" (44 mm)    | 34" (864 mm)   |                |
| 2111-38                     | N/A             | 25 3/4" (651 mm)  | 12 3/4" (314 mm)  | 1 3/4" (44 mm)    | 38" (965 mm)   |                |
| 2111-42                     | N/A             | 25 3/4" (651 mm)  | 16 3/4" (416 mm)  | 1 3/4" (44 mm)    | 42" (1067 mm)  |                |
| 2115-34                     | N/A             | 25 9/16" (642 mm) | 8 7/16" (214 mm)  | 1 3/4" (44 mm)    | 34" (864 mm)   |                |
| 2115-38                     | N/A             | 25 9/16" (642 mm) | 12 7/16" (316 mm) | 1 3/4" (44 mm)    | 38" (965 mm)   |                |
| 2115-42                     | N/A             | 25 9/16" (642 mm) | 16 7/16" (418 mm) | 1 3/4" (44 mm)    | 42" (1067 mm)  |                |
| Newel Posts:                | Finial          | Top Block         | Turning Length    | Bottom Block      | Square Size    | Overall Length |
| Utility Newels              |                 |                   |                   |                   |                |                |
| 3340                        | 5" (127 mm)     | 5" (127 mm)       | 23" (584 mm)      | 14 1/2" (368 mm)  | 3 1/2" (89 mm) | 48" (1219 mm)  |
| 3342                        | 5" (127 mm)     | 5" (127 mm)       | 23" (584 mm)      | 24 1/2" (622 mm)  | 3 1/2" (89 mm) | 58" (1473 mm)  |
| Second Floor Landing Newel  |                 |                   |                   |                   |                |                |
| 3345                        | 5" (127 mm)     | 11" (279 mm)      | 19 1/2" (495 mm)  | 22" (558 mm)      | 3 1/2" (89 mm) | 58" (1473 mm)  |
| Intermediate Landing Newels |                 |                   |                   |                   |                |                |
| 3346                        | 5" (127 mm)     | 14 1/2" (368 mm)  | 16 1/2" (419 mm)  | 36 1/2" (927 mm)  | 3 1/2" (89 mm) | 73" (1854 mm)  |
| 3358                        | 5" (127 mm)     | 5" (127 mm)       | 23" (584 mm)      | 44 1/2" (1130 mm) | 3 1/2" (89 mm) | 78" (1981 mm)  |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts



Available  
in Ball Top  
Specify  
"BT" suffix  
(LJF-3340BT)  
(LJP-3340BT)

## Newel Drop



LJ-4299A



LJF-3340  
LJF-3342  
LJF-3358†



LJF-3345



LJF-3346

Fluted Option



LJP-3340  
LJP-3342  
LJP-3358†



LJP-3345



LJP-3346

Box Newels

Consider box newels for your stairway from our Hierloom Collection on pages 36-41

† Requires a landing  
fitting assembly  
(gooseneck pp 75-76)

Pictured Left: LJ-6519P Handrail, LJF-3340BT Newels and LJP-2105 Balusters.

Pictured Below: LJ-2111 Balusters.

Pictured Right: LJ-6210B Bending Handrail and LJ-2111 Balusters.



## Non-Plowed Handrails and Pin Top Balusters



LJ-6002

LJ-6010



LJ-6109

LJ-6601



LJ-6A10

LJ-6B10

LJP-2415 and LJ-2011 balusters can be used with LJ-6002, LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.



LJP-2415

LJ-2011

## Shoerail & Fillet



LJ-6050



LJ-6045

## Plowed Handrails and Square Top Balusters



LJ-6000

LJ-6010P



LJ-6109P0

LJ-6601P



LJ-6A10P0

LJ-6B10P0

LJP-2405 balusters can be used with LJ-6000, LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.



LJP-2405

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

### Product Dimensions

| Handrails: | Height         | Profile Width  | Bottom Width   | Plow Width     |
|------------|----------------|----------------|----------------|----------------|
| LJ-6000    | 1 5/8" (41 mm) | 2 3/4" (70 mm) | 2 3/4" (70 mm) | 1 1/4" (32 mm) |
| LJ-6002    | 1 5/8" (41 mm) | 2 3/4" (70 mm) | 2 3/4" (70 mm) | N/A            |
| LJ-6010    | 2 3/4" (60 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6010P   | 2 3/4" (60 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6109    | 2 3/4" (60 mm) | 1 5/8" (48 mm) | 2 3/4" (60 mm) | N/A            |
| LJ-6109P0  | 2 3/4" (60 mm) | 1 5/8" (48 mm) | 2 3/4" (60 mm) | 1 1/4" (32 mm) |
| LJ-6601    | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6601P   | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6A10    | 2 3/4" (60 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | N/A            |
| LJ-6A10P0  | 2 3/4" (60 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | 1 1/4" (32 mm) |
| LJ-6B10    | 2 3/4" (60 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | N/A            |
| LJ-6B10P0  | 2 3/4" (60 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | 1 1/4" (32 mm) |

| Shoerail and Fillet: | Height       | Width          | Plow Width     |
|----------------------|--------------|----------------|----------------|
| LJ-6045              | 3/4" (19 mm) | 2 1/2" (64 mm) | 1 1/4" (32 mm) |
| LJ-6050              | 3/8" (10 mm) | 1 1/4" (32 mm) | N/A            |

| Balusters: | Top Block        | Turning Length    | Bottom Block      | Square Size    | Overall Length |
|------------|------------------|-------------------|-------------------|----------------|----------------|
| 2011-34    | N/A              | 25 9/16" (642 mm) | 8 7/16" (214 mm)  | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2011-38    | N/A              | 25 9/16" (642 mm) | 12 7/16" (316 mm) | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2011-42    | N/A              | 25 9/16" (642 mm) | 16 7/16" (418 mm) | 1 1/4" (32 mm) | 42" (1067 mm)  |
| 2405-34    | 6 9/16" (167 mm) | 19 1/16" (484 mm) | 8 3/8" (213 mm)   | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2405-38    | 6 9/16" (167 mm) | 19 1/16" (484 mm) | 12 3/4" (314 mm)  | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2405-42    | 6 9/16" (167 mm) | 19 1/16" (484 mm) | 16 3/8" (416 mm)  | 1 1/4" (32 mm) | 42" (1067 mm)  |
| 2415-34    | N/A              | 25 1/2" (648 mm)  | 8 1/2" (216 mm)   | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2415-38    | N/A              | 25 1/2" (648 mm)  | 12 1/2" (318 mm)  | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2415-42    | N/A              | 25 1/2" (648 mm)  | 16 1/2" (419 mm)  | 1 1/4" (32 mm) | 42" (1067 mm)  |

| Newel Posts: | Finial | Top Block | Turning Length | Bottom Block | Square Size | Overall Length |
|--------------|--------|-----------|----------------|--------------|-------------|----------------|
|--------------|--------|-----------|----------------|--------------|-------------|----------------|

| Utility Newels |             |             |              |                  |            |               |
|----------------|-------------|-------------|--------------|------------------|------------|---------------|
| 3240           | 5" (127 mm) | 5" (127 mm) | 23" (584 mm) | 14 1/2" (368 mm) | 3" (76 mm) | 48" (1219 mm) |
| 3242           | 5" (127 mm) | 5" (127 mm) | 23" (584 mm) | 24 1/2" (622 mm) | 3" (76 mm) | 58" (1473 mm) |

| Second Floor Landing Newel |  |  |  |  |  |  |
|----------------------------|--|--|--|--|--|--|
|----------------------------|--|--|--|--|--|--|

|      |             |              |                  |              |            |               |
|------|-------------|--------------|------------------|--------------|------------|---------------|
| 3245 | 5" (127 mm) | 11" (279 mm) | 19 1/2" (495 mm) | 22" (558 mm) | 3" (76 mm) | 58" (1473 mm) |
|------|-------------|--------------|------------------|--------------|------------|---------------|

| Intermediate Landing Newels |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|
|-----------------------------|--|--|--|--|--|--|

|      |             |                  |                  |                   |            |               |
|------|-------------|------------------|------------------|-------------------|------------|---------------|
| 3246 | 5" (127 mm) | 14 1/2" (368 mm) | 16 1/2" (419 mm) | 36 1/2" (927 mm)  | 3" (76 mm) | 73" (1854 mm) |
| 3258 | 5" (127 mm) | 5" (127 mm)      | 23" (584 mm)     | 44 1/2" (1130 mm) | 3" (76 mm) | 78" (1981 mm) |

\* Length is from the top of the bottom block to the top of the baluster

Pictured Below: LJ-6B10 Handrail and LJP-2115 Balusters.

Pictured Right: LJ-2011 Balusters.

Pictured Far Right: LJ-6519P Handrail, LJP-3240 Series Newels and LJP-2105 Balusters.





## Newel Posts



Available  
in Ball Top  
Specify  
"BT" suffix  
(LJF-3240BT)  
(LJP-3240BT)

## Newel Drop



LJ-4099A



LJF-3240  
LJF-3242  
LJF-3258†

LJF-3245

LJF-3246

Fluted Option



LJP-3240  
LJP-3242  
LJP-3258†

LJP-3245

LJP-3246

Box Newels

† Requires a landing  
fitting assembly  
(gooseneck pp 75-76)

Post to Post



## Non-Plowed Handrails and Pin Top Balusters

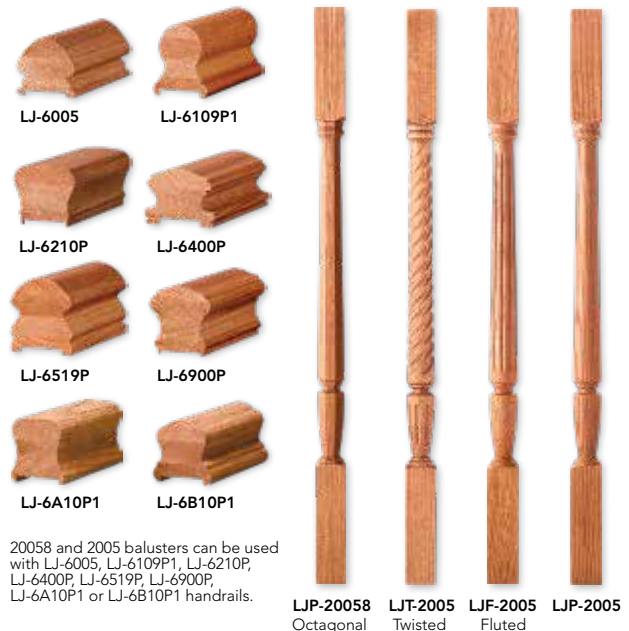


20158 and 2015 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

## Shoerail & Fillet



## Plowed Handrails and Square Top Balusters



20058 and 2005 balusters can be used with LJ-6005, LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

## Product Dimensions

| Handrails:                  | Height                                   | Profile Width                             | Bottom Width                              | Plow Width                              |                                         |                |
|-----------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------|----------------|
| LJ-6005                     | 2 <sup>3</sup> / <sub>16</sub> " (59 mm) | 2 <sup>1</sup> / <sub>2</sub> " (64 mm)   | 2 <sup>1</sup> / <sub>2</sub> " (64 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6109                     | 2 <sup>1</sup> / <sub>4</sub> " (73 mm)  | 1 <sup>1</sup> / <sub>4</sub> " (48 mm)   | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)   | N/A                                     |                                         |                |
| LJ-6109P1                   | 2 <sup>1</sup> / <sub>8</sub> " (73 mm)  | 1 <sup>1</sup> / <sub>8</sub> " (48 mm)   | 2 <sup>3</sup> / <sub>8</sub> " (60 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6210                     | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 2" (51 mm)                                | N/A                                     |                                         |                |
| LJ-6210P                    | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 2" (51 mm)                                | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6400                     | 2 <sup>1</sup> / <sub>4</sub> " (57 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (70 mm)   | 3" (76 mm)                                | N/A                                     |                                         |                |
| LJ-6400P                    | 2 <sup>1</sup> / <sub>4</sub> " (57 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (70 mm)   | 3" (76 mm)                                | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6519                     | 3" (76 mm)                               | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | N/A                                     |                                         |                |
| LJ-6519P                    | 3" (76 mm)                               | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6701                     | 2 <sup>1</sup> / <sub>4</sub> " (54 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (70 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (41 mm)   | N/A                                     |                                         |                |
| LJ-6900                     | 2 <sup>3</sup> / <sub>4</sub> " (70 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 1 <sup>13</sup> / <sub>16</sub> " (49 mm) | N/A                                     |                                         |                |
| LJ-6900P                    | 2 <sup>3</sup> / <sub>4</sub> " (70 mm)  | 2 <sup>3</sup> / <sub>4</sub> " (67 mm)   | 1 <sup>13</sup> / <sub>16</sub> " (49 mm) | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6A10                     | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)  | 2" (51 mm)                                | 2 <sup>1</sup> / <sub>4</sub> " (54 mm)   | N/A                                     |                                         |                |
| LJ-6A10P1                   | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)  | 2" (51 mm)                                | 2 <sup>1</sup> / <sub>4</sub> " (54 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| LJ-6B10                     | 2 <sup>3</sup> / <sub>16</sub> " (59 mm) | 2" (51 mm)                                | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)   | N/A                                     |                                         |                |
| LJ-6B10P1                   | 2 <sup>3</sup> / <sub>16</sub> " (59 mm) | 2" (51 mm)                                | 2 <sup>3</sup> / <sub>4</sub> " (60 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) |                                         |                |
| Shoerail and Fillet:        | Height                                   | Width                                     | Plow Width                                |                                         |                                         |                |
| LJ-6006                     | 1" (25 mm)                               | 3 <sup>1</sup> / <sub>4</sub> " (79 mm)   | 1 <sup>3</sup> / <sub>4</sub> " (44 mm)   |                                         |                                         |                |
| LJ-6007                     | 5 <sup>1</sup> / <sub>16</sub> " (8 mm)  | 1 <sup>3</sup> / <sub>4</sub> " (44 mm)   | N/A                                       |                                         |                                         |                |
| Balusters:                  | Top Block                                | Turning Length                            | Bottom Block                              | Square Size                             | Overall Length                          |                |
| 2005(8)-34                  | 7" (178 mm)                              | 20" (508 mm)                              | 7" (178 mm)                               | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 34" (864 mm)                            |                |
| 2005(8)-38                  | 7" (178 mm)                              | 20" (508 mm)                              | 11" (279 mm)                              | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 38" (965 mm)                            |                |
| 2005(8)-42                  | 7" (178 mm)                              | 20" (508 mm)                              | 15" (381 mm)                              | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 42" (1067 mm)                           |                |
| 2015(8)-34                  | N/A                                      | 28** (711 mm)                             | 6" (152 mm)                               | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 34" (864 mm)                            |                |
| 2015(8)-38                  | N/A                                      | 28** (711 mm)                             | 10" (254 mm)                              | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 38" (965 mm)                            |                |
| 2015(8)-42                  | N/A                                      | 28** (711 mm)                             | 14" (356 mm)                              | 1 <sup>3</sup> / <sub>4</sub> " (44 mm) | 42" (1067 mm)                           |                |
| Newel Posts:                | Finial                                   | Top Block                                 | Turning Length                            | Bottom Block                            | Square Size                             | Overall Length |
| Utility Newels              |                                          |                                           |                                           |                                         |                                         |                |
| 3040(8)                     | 4 <sup>3</sup> / <sub>4</sub> " (121 mm) | 5" (127 mm)                               | 23" (584 mm)                              | 15" (381 mm)                            | 3 <sup>1</sup> / <sub>2</sub> " (89 mm) | 48" (1219 mm)  |
| 3042(8)                     | 4 <sup>3</sup> / <sub>4</sub> " (121 mm) | 5" (127 mm)                               | 23" (584 mm)                              | 25" (635 mm)                            | 3 <sup>1</sup> / <sub>2</sub> " (89 mm) | 58" (1473 mm)  |
| Second Floor Landing Newel  |                                          |                                           |                                           |                                         |                                         |                |
| 3045(8)                     | 4 <sup>3</sup> / <sub>4</sub> " (121 mm) | 11" (279 mm)                              | 19 <sup>1</sup> / <sub>2</sub> " (495 mm) | 22" (558 mm)                            | 3 <sup>1</sup> / <sub>2</sub> " (89 mm) | 58" (1473 mm)  |
| Intermediate Landing Newels |                                          |                                           |                                           |                                         |                                         |                |
| 3046(8)                     | 4 <sup>3</sup> / <sub>4</sub> " (121 mm) | 14 <sup>1</sup> / <sub>2</sub> " (368 mm) | 16" (406 mm)                              | 37" (939 mm)                            | 3 <sup>1</sup> / <sub>2</sub> " (89 mm) | 73" (1854 mm)  |
| 3058(8)                     | 4 <sup>3</sup> / <sub>4</sub> " (121 mm) | 5" (127 mm)                               | 23" (584 mm)                              | 45" (1143 mm)                           | 3 <sup>1</sup> / <sub>2</sub> " (89 mm) | 78" (1981 mm)  |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts

## Newel Drop



LJ-4299A



LJP-30408  
LJP-30428  
LJP-30588†



LJP-30458



LJP-30468

Octagonal Option



LJT-3040  
LJT-3042  
LJT-3058†



LJT-3045



LJT-3046

Twisted Option



LJF-3040  
LJF-3042  
LJF-3058†



LJF-3045



LJF-3046

Fluted Option



LJP-3040  
LJP-3042  
LJP-3058†



LJP-3045



LJP-3046

Box Newels

Consider box newels for your stairway from our Herloom Collection on pages 36-41

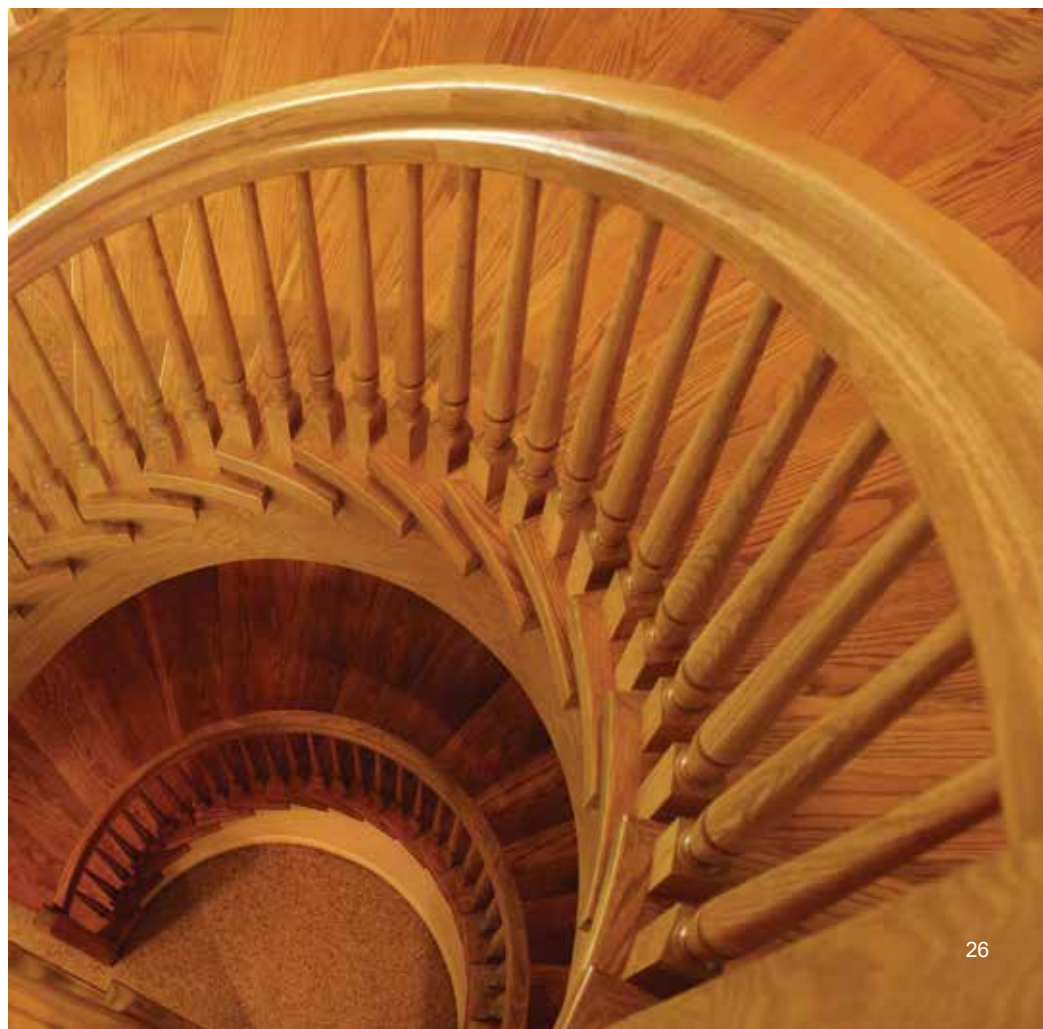
Post to Post

† Requires a landing fitting assembly (gooseneck pp 75-76)



Pictured: LJP-2015 Balusters.

Pictured Right: Custom Bending Handrail, LJP-2015 Balusters, Custom Treads.



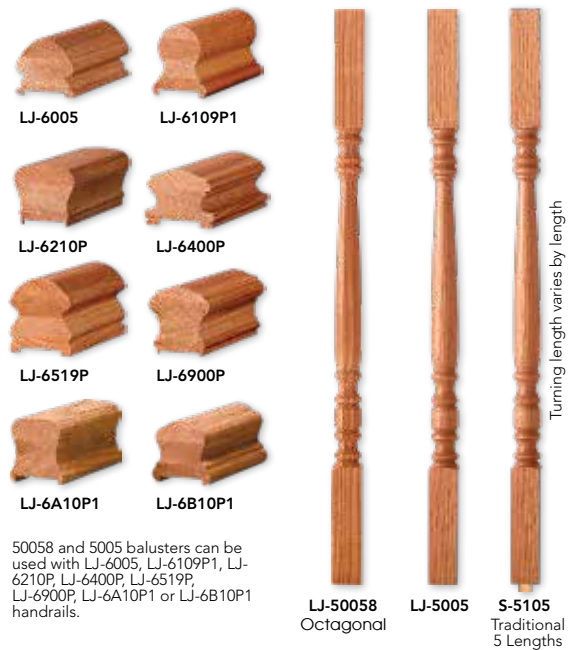
## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



53008 and 5300 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

## Shoerail & Fillet



50058 and 5005 balusters can be used with LJ-6005, LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

"LJ-" series balusters are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. The balusters can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately). "S-" series balusters have a turned bottom pin.

### Product Dimensions

| Handrails: | Height         | Profile Width  | Bottom Width     | Plow Width     |
|------------|----------------|----------------|------------------|----------------|
| LJ-6005    | 2 3/4" (59 mm) | 2 1/2" (64 mm) | 2 1/2" (64 mm)   | 1 3/4" (44 mm) |
| LJ-6109    | 2 1/4" (73 mm) | 1 5/8" (48 mm) | 2 3/8" (60 mm)   | N/A            |
| LJ-6109P1  | 2 1/4" (73 mm) | 1 5/8" (48 mm) | 2 3/8" (60 mm)   | 1 3/4" (44 mm) |
| LJ-6210    | 2 3/4" (60 mm) | 2 3/8" (67 mm) | 2" (51 mm)       | N/A            |
| LJ-6210P   | 2 3/4" (60 mm) | 2 3/8" (67 mm) | 2" (51 mm)       | 1 3/4" (44 mm) |
| LJ-6400    | 2 1/4" (57 mm) | 2 3/4" (70 mm) | 3" (76 mm)       | N/A            |
| LJ-6400P   | 2 1/4" (57 mm) | 2 3/4" (70 mm) | 3" (76 mm)       | 1 3/4" (44 mm) |
| LJ-6519    | 3" (76 mm)     | 2 3/8" (67 mm) | 2 3/8" (67 mm)   | N/A            |
| LJ-6519P   | 3" (76 mm)     | 2 3/8" (67 mm) | 2 3/8" (67 mm)   | 1 3/4" (44 mm) |
| LJ-6701    | 2 1/4" (54 mm) | 2 3/4" (70 mm) | 1 3/4" (41 mm)   | N/A            |
| LJ-6900    | 2 3/4" (70 mm) | 2 3/8" (67 mm) | 1 13/16" (49 mm) | N/A            |
| LJ-6900P   | 2 3/4" (70 mm) | 2 3/8" (67 mm) | 1 13/16" (49 mm) | 1 3/4" (44 mm) |
| LJ-6A10    | 2 3/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm)   | N/A            |
| LJ-6A10P1  | 2 3/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm)   | 1 3/4" (44 mm) |
| LJ-6B10    | 2 3/4" (59 mm) | 2" (51 mm)     | 2 3/8" (60 mm)   | N/A            |
| LJ-6B10P1  | 2 3/4" (59 mm) | 2" (51 mm)     | 2 3/8" (60 mm)   | 1 3/4" (44 mm) |

| Shoerail and Fillet: | Height      | Width          | Plow Width     |
|----------------------|-------------|----------------|----------------|
| LJ-6006              | 1" (25 mm)  | 3 3/4" (79 mm) | 1 3/4" (44 mm) |
| LJ-6007              | 3/4" (8 mm) | 1 3/4" (44 mm) | N/A            |

| Balusters:    | Top Block       | Turning Length   | Bottom Block    | Square Size    | Overall Length |
|---------------|-----------------|------------------|-----------------|----------------|----------------|
| LJ-5005ND-31† | 5 1/4" (149 mm) | 16 3/4" (422 mm) | 8 1/2" (216 mm) | 1 3/4" (44 mm) | 31" (787 mm)   |
| LJ-5005(8)-34 | 7" (178 mm)     | 20" (508 mm)     | 7" (178 mm)     | 1 3/4" (44 mm) | 34" (864 mm)   |
| LJ-5005(8)-38 | 7" (178 mm)     | 20" (508 mm)     | 11" (279 mm)    | 1 3/4" (44 mm) | 38" (965 mm)   |
| LJ-5005(8)-42 | 7" (178 mm)     | 20" (508 mm)     | 15" (381 mm)    | 1 3/4" (44 mm) | 42" (1067 mm)  |
| S-5105-31     | 5 1/4" (149 mm) | 16 3/4" (422 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 31" (787 mm)   |
| S-5105-34     | 5 1/4" (149 mm) | 19 3/4" (498 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 34" (864 mm)   |
| S-5105-36     | 5 1/4" (149 mm) | 21 1/4" (549 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 36" (914 mm)   |
| S-5105-39     | 5 1/4" (149 mm) | 24" (625 mm)     | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 39" (991 mm)   |
| S-5105-42     | 8 1/4" (206 mm) | 25 3/4" (645 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 42" (1067 mm)  |
| LJ-5300(8)-34 | N/A             | 27" (686 mm)     | 7" (178 mm)     | 1 3/4" (44 mm) | 34" (864 mm)   |
| LJ-5300(8)-38 | N/A             | 27" (686 mm)     | 11" (279 mm)    | 1 3/4" (44 mm) | 38" (965 mm)   |
| LJ-5300(8)-42 | N/A             | 27" (686 mm)     | 15" (381 mm)    | 1 3/4" (44 mm) | 42" (1067 mm)  |
| S-5300-31     | N/A             | 22 1/2" (572 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 31" (787 mm)   |
| S-5300-34     | N/A             | 25 1/2" (648 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 34" (864 mm)   |
| S-5300-36     | N/A             | 27 1/2" (698 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 36" (914 mm)   |
| S-5300-39     | N/A             | 30 1/2" (775 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 39" (991 mm)   |
| S-5300-42     | N/A             | 33 1/2" (851 mm) | 7 3/4" (197 mm) | 1 3/4" (44 mm) | 42" (1067 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

† This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

### Product Dimensions

| Newel Posts:                       | Finial            | Top Block        | Turning Length   | Bottom Block      | Square Size    | Overall Length |
|------------------------------------|-------------------|------------------|------------------|-------------------|----------------|----------------|
| <b>Utility Newels</b>              |                   |                  |                  |                   |                |                |
| LJ-4500(8)                         | 3 1/2" (89 mm)    | 5" (127 mm)      | 23" (584 mm)     | 16 1/4" (413 mm)  | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJ-4504(8)                         | 3 1/2" (89 mm)    | 5" (127 mm)      | 23" (584 mm)     | 26 1/4" (668 mm)  | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJ-4004                            | 4 1/2" (114 mm)   | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJ-4004COL                         | 4 13/16" (122 mm) | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJ-4004RT                          | 3 1/2" (89 mm)    | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 48" (1219 mm)  |
| <b>Second Floor Landing Newel</b>  |                   |                  |                  |                   |                |                |
| LJ-4503(8)                         | 3 1/2" (89 mm)    | 11" (279 mm)     | 19 1/2" (495 mm) | 23 3/4" (603 mm)  | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJ-4005                            | 4 1/2" (114 mm)   | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJ-4005COL                         | 4 13/16" (122 mm) | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJ-4005RT                          | 3 1/2" (89 mm)    | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 58" (1473 mm)  |
| <b>Intermediate Landing Newels</b> |                   |                  |                  |                   |                |                |
| LJ-4505(8)                         | 3 1/2" (89 mm)    | 14 1/2" (368 mm) | 16" (406 mm)     | 38 3/4" (984 mm)  | 3 1/2" (89 mm) | 73" (1854 mm)  |
| LJ-4558(8)                         | 3 1/2" (89 mm)    | 5" (127 mm)      | 23" (584 mm)     | 46 1/4" (1175 mm) | 3 1/2" (89 mm) | 78" (1981 mm)  |
| LJ-4006                            | 4 1/2" (114 mm)   | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 73" (1854 mm)  |
| LJ-4006COL                         | 4 13/16" (122 mm) | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 73" (1854 mm)  |
| LJ-4006RT                          | 3 1/2" (89 mm)    | N/A              | N/A              | N/A               | 3 1/2" (89 mm) | 73" (1854 mm)  |

Pictured Right: LJ-6519 Handrail, LJ-5300 Balusters with LIH-HOL50144 and LIH-HOL1TW44 Iron Balusters.

Pictured Far Right: LJ-6519P Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJ-4500 Newels and LJ-5005 Balusters.



## Newel Posts

## Newel Drop



LJ-4299A



LJ-45008  
LJ-45048  
LJ-45588†



LJ-45038



LJ-45058



LJ-4500  
LJ-4504  
LJ-4558†



LJ-4503



LJ-4505



LJ-3513PT



LJ-4004  
LJ-4005  
LJ-4006



LJ-4004COL  
LJ-4005COL  
LJ-4006COL

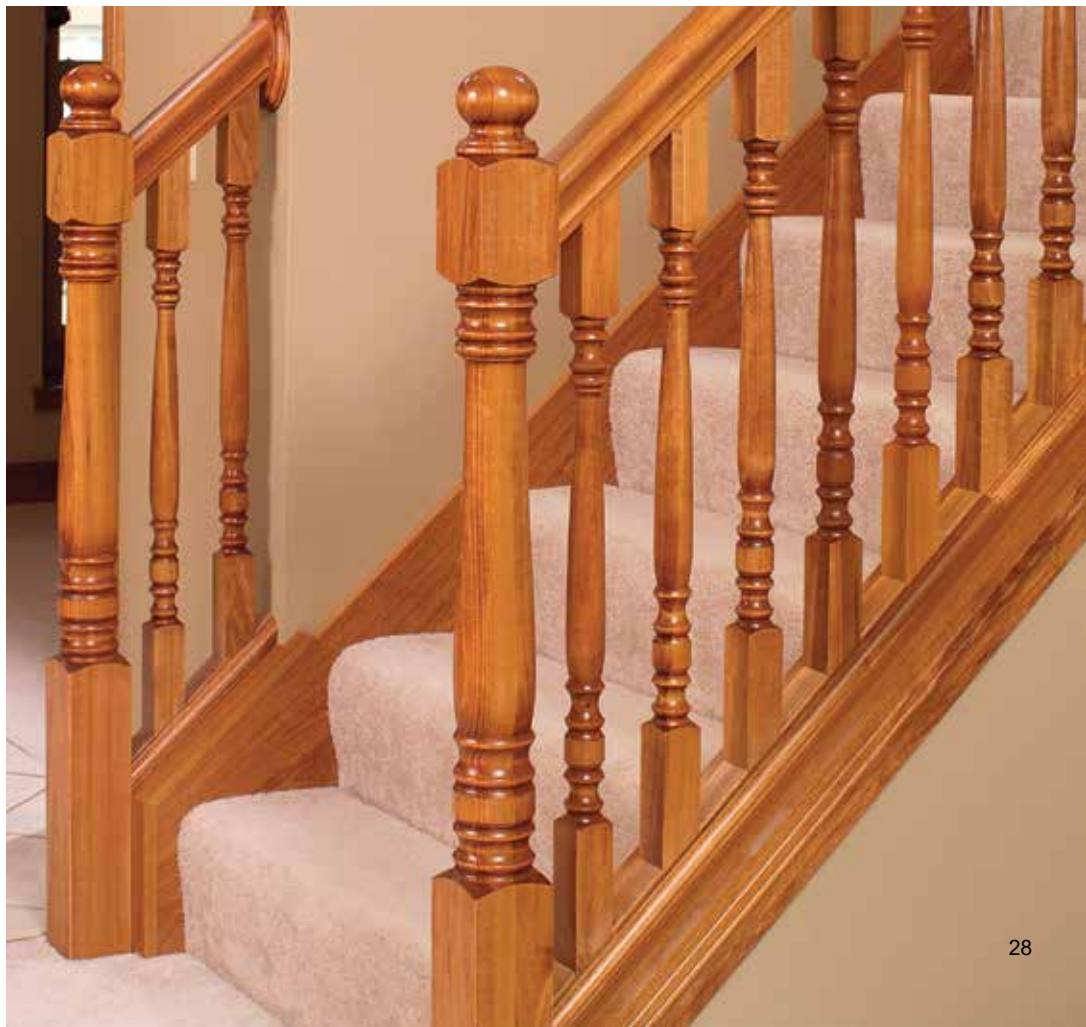


LJ-4004RT  
LJ-4005RT  
LJ-4006RT

Box Newels

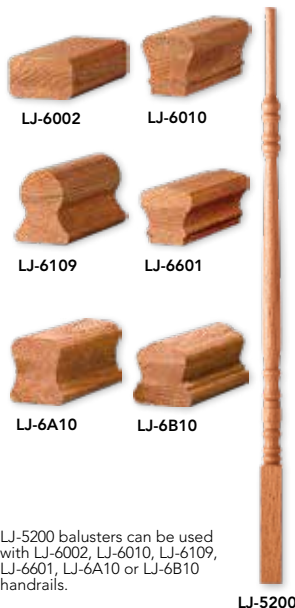
Octagonal Option

† Requires a landing fitting assembly (gooseneck pp 75-76)



# Classic Collection

## Non-Plowed Handrails and Pin Top Balusters



LJ-5200 balusters can be used with LJ-6002, LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

## Shoerail & Fillet



## Plowed Handrails and Square Top Balusters



LJ-5004 balusters can be used with LJ-6000, LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.

## Newel Posts

## Newel Drop



Consider box newels for your stairway from our Hierloom Collection on pages 36-41

Box Newels

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

† Requires a landing fitting assembly (gooseneck pp 75-76)

## Product Dimensions

| Handrails:                  | Height       |                | Profile Width  |                | Bottom Width   | Plow Width     |
|-----------------------------|--------------|----------------|----------------|----------------|----------------|----------------|
| LJ-6000                     | 1⅝" (41 mm)  |                | 2⅝" (70 mm)    |                | 2⅝" (70 mm)    | 1⅝" (32 mm)    |
| LJ-6002                     | 1⅝" (41 mm)  |                | 2⅝" (70 mm)    |                | 2⅝" (70 mm)    | N/A            |
| LJ-6010                     | 2⅝" (60 mm)  |                | 2⅝" (57 mm)    |                | 1½" (38 mm)    | N/A            |
| LJ-6010P                    | 2⅝" (60 mm)  |                | 2⅝" (57 mm)    |                | 1½" (38 mm)    | 1¼" (32 mm)    |
| LJ-6109                     | 2⅝" (73 mm)  |                | 1⅝" (48 mm)    |                | 2⅝" (60 mm)    | N/A            |
| LJ-6109P0                   | 2⅝" (73 mm)  |                | 1⅝" (48 mm)    |                | 2⅝" (60 mm)    | 1¼" (32 mm)    |
| LJ-6601                     | 2¼" (57 mm)  |                | 2¼" (57 mm)    |                | 1½" (38 mm)    | N/A            |
| LJ-6601P                    | 2¼" (57 mm)  |                | 2¼" (57 mm)    |                | 1½" (38 mm)    | 1¼" (32 mm)    |
| LJ-6A10                     | 2⅝" (60 mm)  |                | 2" (51 mm)     |                | 2⅝" (54 mm)    | N/A            |
| LJ-6A10P0                   | 2⅝" (60 mm)  |                | 2" (51 mm)     |                | 2⅝" (54 mm)    | 1¼" (32 mm)    |
| LJ-6B10                     | 2⅝⅞" (59 mm) |                | 2" (51 mm)     |                | 2⅝" (60 mm)    | N/A            |
| LJ-6B10P0                   | 2⅝⅞" (59 mm) |                | 2" (51 mm)     |                | 2⅝" (60 mm)    | 1¼" (32 mm)    |
| Shoerail and Fillet:        | Height       |                | Width          |                | Plow Width     |                |
| LJ-6045                     | ¾" (19 mm)   |                | 2½" (64mm)     |                | 1¼" (32 mm)    |                |
| LJ-6050                     | ⅜" (10 mm)   |                | 1¼" (32 mm)    |                | N/A            |                |
| Balusters:                  | Top Block    | Turning Length | Bottom Block   | Square Size    | Overall Length |                |
| LJ-5004ND-31‡               | 5⅝" (145 mm) | 16⅝" (422 mm)  | 8½" (216 mm)   | 1¼" (32 mm)    | 31" (787 mm)   |                |
| LJ-5004-34                  | 7" (178 mm)  | 20" (508 mm)   | 7" (178 mm)    | 1¼" (32 mm)    | 34" (864 mm)   |                |
| LJ-5004-38                  | 7" (178 mm)  | 20" (508 mm)   | 11" (279 mm)   | 1¼" (32 mm)    | 38" (965 mm)   |                |
| LJ-5004-42                  | 7" (178 mm)  | 20" (508 mm)   | 15" (381 mm)   | 1¼" (32 mm)    | 42" (1067 mm)  |                |
| LJ-5200-34                  | N/A          | 27" (686 mm)   | 7" (178 mm)    | 1¼" (32 mm)    | 34" (864 mm)   |                |
| LJ-5200-38                  | N/A          | 27" (686 mm)   | 11" (279 mm)   | 1¼" (32 mm)    | 38" (965 mm)   |                |
| LJ-5200-42                  | N/A          | 27" (686 mm)   | 15" (381 mm)   | 1¼" (32 mm)    | 42" (1067 mm)  |                |
| Newel Posts:                | Finial       | Top Block      | Turning Length | Bottom Block   | Square Size    | Overall Length |
| Utility Newels              |              |                |                |                |                |                |
| LJ-4600                     | 3⅞" (87 mm)  | 5" (127 mm)    | 23" (584 mm)   | 16¼" (413 mm)  | 3" (76 mm)     | 48" (1219 mm)  |
| LJ-4604                     | 3⅞" (87 mm)  | 5" (127 mm)    | 23" (584 mm)   | 26¼" (668 mm)  | 3" (76 mm)     | 58" (1473 mm)  |
| Second Floor Landing Newel  |              |                |                |                |                |                |
| LJ-4603                     | 3⅞" (87 mm)  | 11" (279 mm)   | 19½" (495 mm)  | 23¾" (603 mm)  | 3" (76 mm)     | 58" (1473 mm)  |
| Intermediate Landing Newels |              |                |                |                |                |                |
| LJ-4605                     | 3⅞" (87 mm)  | 14½" (368 mm)  | 16" (406 mm)   | 38¾" (984 mm)  | 3" (76 mm)     | 73" (1854 mm)  |
| LJ-4658                     | 3⅞" (87 mm)  | 5" (127 mm)    | 23" (584 mm)   | 46¼" (1175 mm) | 3" (76 mm)     | 78" (1981 mm)  |
| Rake Newel                  |              |                |                |                |                |                |
| LJ-3513PT                   | N/A          | N/A            | 27⅜" (706 mm)  | 20⅞" (531 mm)  | 3" (76 mm)     | 48" (1219 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

† 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin E-Z.



Pictured: LJ-6010P Handrail, LJ-4600 Utility Newels and LJ-5004 Balusters.



## Non-Plowed Handrails and Pin Top Balusters



LJ-6V10



LJ-6210



LJ-6519



LJ-6900

LJ-5V15 and LJ-5V35 balusters can be used with LJ-6V10, LJ-6210, LJ-6519 or LJ-6900 handrails.



LJ-5V15

LJ-5V35

## Shoerail & Fillet



LJ-6007



LJ-6006

## Plowed Handrails and Square Top Balusters



LJ-6V10P



LJ-6210P



LJ-6519P



LJ-6900P

LJ-5V05 and LJ-5V25 balusters can be used with LJ-6V10P, LJ-6210P, LJ-6519P or LJ-6900P handrails.



LJ-5V05

LJ-5V25

## Newel Posts



LJ-4V40-5.0  
LJ-4V42-5.0  
LJ-4V58-5.0†

Box Newels

Consider box newels for your stairway from our Hierloom Collection on pages 36-41

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

† Requires a landing fitting assembly (gooseneck pp 75-76)

## Product Dimensions

| Handrails:           | Height       | Profile Width  | Bottom Width   | Plow Width     |                |                |
|----------------------|--------------|----------------|----------------|----------------|----------------|----------------|
| LJ-6V10              | 2½" (64 mm)  | 2½" (67 mm)    | 2½" (64 mm)    | N/A            |                |                |
| LJ-6V10P             | 2½" (64 mm)  | 2½" (67 mm)    | 2½" (64 mm)    | 1¾" (44 mm)    |                |                |
| LJ-6210              | 2½" (60 mm)  | 2½" (67 mm)    | 2" (51 mm)     | N/A            |                |                |
| LJ-6210P             | 2½" (60 mm)  | 2½" (67 mm)    | 2" (51 mm)     | 1¾" (44 mm)    |                |                |
| LJ-6519              | 3" (76 mm)   | 2½" (67 mm)    | 2½" (67 mm)    | N/A            |                |                |
| LJ-6519P             | 3" (76 mm)   | 2½" (67 mm)    | 2½" (67 mm)    | 1¾" (44 mm)    |                |                |
| LJ-6900              | 2¾" (70 mm)  | 2½" (67 mm)    | 1½" (49 mm)    | N/A            |                |                |
| LJ-6900P             | 2¾" (70 mm)  | 2½" (67 mm)    | 1½" (49 mm)    | 1¾" (44 mm)    |                |                |
| Shoerail and Fillet: | Height       | Width          | Plow Width     |                |                |                |
| LJ-6006              | 1" (25 mm)   | 3½" (79 mm)    | 1¾" (44 mm)    |                |                |                |
| LJ-6007              | ¾" (8 mm)    | 1¾" (44 mm)    | N/A            |                |                |                |
| Balusters:           | Top Block    | Turning Length | Bottom Block   | Square Size    | Overall Length |                |
| LJ-5V05-34           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 7⅞" (181 mm)   | 1¾" (44 mm)    | 34" (864 mm)   |                |
| LJ-5V05-38           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 11⅞" (283 mm)  | 1¾" (44 mm)    | 38" (965 mm)   |                |
| LJ-5V05-42           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 15⅞" (384 mm)  | 1¾" (44 mm)    | 42" (1067 mm)  |                |
| LJ-5V15-34           | N/A          | 26⅞" (682 mm)  | 7⅞" (181 mm)   | 1¾" (44 mm)    | 34" (864 mm)   |                |
| LJ-5V15-38           | N/A          | 26⅞" (682 mm)  | 11⅞" (283 mm)  | 1¾" (44 mm)    | 38" (965 mm)   |                |
| LJ-5V15-42           | N/A          | 26⅞" (682 mm)  | 15⅞" (384 mm)  | 1¾" (44 mm)    | 42" (1067 mm)  |                |
| LJ-5V25-34           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 7⅞" (181 mm)   | 1¾" (44 mm)    | 34" (864 mm)   |                |
| LJ-5V25-38           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 11⅞" (283 mm)  | 1¾" (44 mm)    | 38" (965 mm)   |                |
| LJ-5V25-42           | 6⅞" (166 mm) | 20⅞" (516 mm)  | 15⅞" (384 mm)  | 1¾" (44 mm)    | 42" (1067 mm)  |                |
| LJ-5V35-34           | N/A          | 26⅞" (682 mm)  | 7⅞" (181 mm)   | 1¾" (44 mm)    | 34" (864 mm)   |                |
| LJ-5V35-38           | N/A          | 26⅞" (682 mm)  | 11⅞" (283 mm)  | 1¾" (44 mm)    | 38" (965 mm)   |                |
| LJ-5V35-42           | N/A          | 26⅞" (682 mm)  | 15⅞" (384 mm)  | 1¾" (44 mm)    | 42" (1067 mm)  |                |
| Newel Posts:         | Finial       | Top Block      | Turning Length | Bottom Block   | Square Size    | Overall Length |
| Utility Newels       |              |                |                |                |                |                |
| LJ-4V40-5.0          | 5⅜" (137 mm) | 5¼" (133 mm)   | 20½" (521 mm)  | 16⅜" (416 mm)  | 5" (127 mm)    | 48" (1219 mm)  |
| LJ-4V42-5.0          | 5⅜" (137 mm) | 5¼" (133 mm)   | 20½" (521 mm)  | 26⅜" (670 mm)  | 5" (127 mm)    | 58" (1473 mm)  |
| Landing Newel        |              |                |                |                |                |                |
| LJ-4V58-5.0          | 5⅜" (137 mm) | 5¼" (133 mm)   | 20½" (521 mm)  | 44⅜" (1127 mm) | 5" (127 mm)    | 78" (1981 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

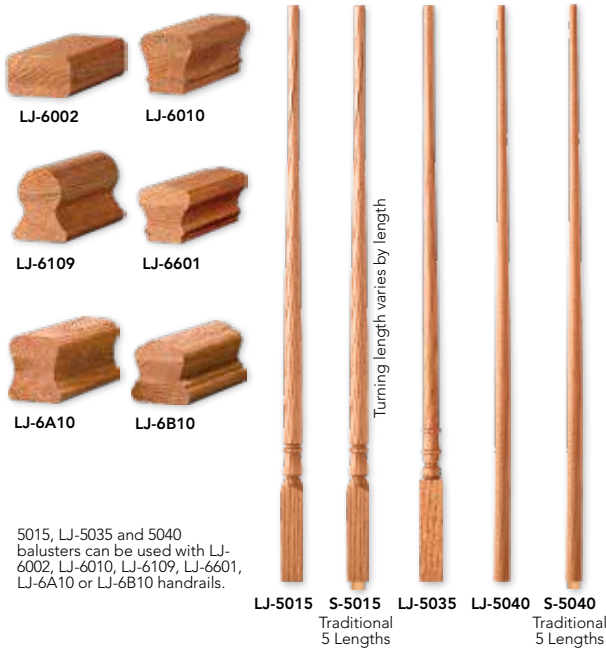


Pictured: LJ-6V10P Handrail, LJ-4V40-5.0 Newel and LJ-5V05 Balusters.

# Cornerstone Collection



## Non-Plowed Handrails and Pin Top Balusters



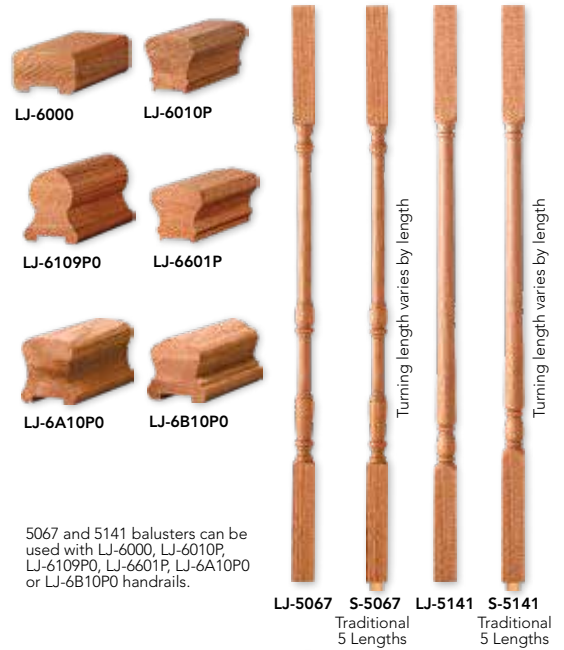
5015, LJ-5035 and 5040 balusters can be used with LJ-6002, LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

LJ-5015 S-5015 LJ-5035 LJ-5040 S-5040  
Traditional 5 Lengths Traditional 5 Lengths

"LJ-" series balusters are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. The balusters can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately). "S-" series balusters have a turned bottom pin.

## Plowed Handrails and Square Top Balusters

### Shoerail & Fillet



5067 and 5141 balusters can be used with LJ-6000, LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.

LJ-5067 S-5067 LJ-5141 S-5141  
Traditional 5 Lengths Traditional 5 Lengths

### Product Dimensions

| Handrails: | Height         | Profile Width  | Bottom Width   | Plow Width     |
|------------|----------------|----------------|----------------|----------------|
| LJ-6000    | 1 1/4" (41 mm) | 2 3/4" (70 mm) | 2 3/4" (70 mm) | 1 1/4" (32 mm) |
| LJ-6002    | 1 1/4" (41 mm) | 2 3/4" (70 mm) | 2 3/4" (70 mm) | N/A            |
| LJ-6010    | 2 3/4" (60 mm) | 2 3/4" (67 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6010P   | 2 3/4" (60 mm) | 2 3/4" (67 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6109    | 2 3/4" (73 mm) | 1 1/2" (48 mm) | 2 3/4" (60 mm) | N/A            |
| LJ-6109P0  | 2 3/4" (73 mm) | 1 1/2" (48 mm) | 2 3/4" (60 mm) | 1 1/4" (32 mm) |
| LJ-6601    | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6601P   | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6A10    | 2 3/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm) | N/A            |
| LJ-6A10P0  | 2 3/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm) | 1 1/4" (32 mm) |
| LJ-6B10    | 2 3/4" (59 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | N/A            |
| LJ-6B10P0  | 2 3/4" (59 mm) | 2" (51 mm)     | 2 3/4" (60 mm) | 1 1/4" (32 mm) |

| Shoerail and Fillet: | Height       | Width          | Plow Width     |
|----------------------|--------------|----------------|----------------|
| LJ-6045              | 3/4" (19 mm) | 2 1/2" (64 mm) | 1 1/4" (32 mm) |
| LJ-6050              | 3/4" (10 mm) | 1 1/4" (32 mm) | N/A            |

| Balusters:    | Top Block       | Turning Length    | Bottom Block    | Square Size          | Overall Length |
|---------------|-----------------|-------------------|-----------------|----------------------|----------------|
| LJ-5015ND-31‡ | N/A             | 22 3/4" (575 mm)  | 8 3/4" (213 mm) | 1 1/4" (32 mm)       | 31" (787 mm)   |
| LJ-5015-34    | N/A             | 28" (711 mm)      | 6" (152 mm)     | 1 1/4" (32 mm)       | 34" (864 mm)   |
| LJ-5015-38    | N/A             | 28" (711 mm)      | 10" (254 mm)    | 1 1/4" (32 mm)       | 38" (965 mm)   |
| LJ-5015-42    | N/A             | 28" (711 mm)      | 14" (356 mm)    | 1 1/4" (32 mm)       | 42" (1067 mm)  |
| S-5015-31     | N/A             | 22 3/4" (575 mm)  | 7 3/4" (193 mm) | 1 1/4" (32 mm)       | 31" (787 mm)   |
| S-5015-34     | N/A             | 25 3/4" (651 mm)  | 7 3/4" (193 mm) | 1 1/4" (32 mm)       | 34" (864 mm)   |
| S-5015-36     | N/A             | 27 3/4" (702 mm)  | 7 3/4" (193 mm) | 1 1/4" (32 mm)       | 36" (914 mm)   |
| S-5015-39     | N/A             | 30 3/4" (778 mm)  | 7 3/4" (193 mm) | 1 1/4" (32 mm)       | 39" (990 mm)   |
| S-5015-42     | N/A             | 33 3/4" (854 mm)  | 7 3/4" (193 mm) | 1 1/4" (32 mm)       | 42" (1067 mm)  |
| LJ-5035-34    | N/A             | 28" (711 mm)      | 6" (152 mm)     | 1 1/4" (32 mm)       | 34" (864 mm)   |
| LJ-5035-38    | N/A             | 28" (711 mm)      | 10" (254 mm)    | 1 1/4" (32 mm)       | 38" (965 mm)   |
| LJ-5035-42    | N/A             | 28" (711 mm)      | 14" (356 mm)    | 1 1/4" (32 mm)       | 42" (1067 mm)  |
| LJ-5040-34    | N/A             | 34" (864 mm)      | N/A             | 1 1/4" Diam. (29 mm) | 34" (864 mm)   |
| LJ-5040-38    | N/A             | 38" (965 mm)      | N/A             | 1 1/4" Diam. (29 mm) | 38" (965 mm)   |
| LJ-5040-42    | N/A             | 42" (1067 mm)     | N/A             | 1 1/4" Diam. (29 mm) | 42" (1067 mm)  |
| S-5040-31     | N/A             | 30 3/4" (768 mm)  | N/A             | 1 1/4" Diam. (29 mm) | 31" (787 mm)   |
| S-5040-34     | N/A             | 33 3/4" (845 mm)  | N/A             | 1 1/4" Diam. (29 mm) | 34" (864 mm)   |
| S-5040-36     | N/A             | 35 3/4" (895 mm)  | N/A             | 1 1/4" Diam. (29 mm) | 36" (914 mm)   |
| S-5040-39     | N/A             | 38 3/4" (972 mm)  | N/A             | 1 1/4" Diam. (29 mm) | 39" (990 mm)   |
| S-5040-42     | N/A             | 41 3/4" (1048 mm) | N/A             | 1 1/4" Diam. (29 mm) | 42" (1067 mm)  |
| LJ-5067-34    | 7" (178 mm)     | 20" (508 mm)      | 7" (178 mm)     | 1 1/4" (32 mm)       | 34" (864 mm)   |
| LJ-5067-38    | 7" (178 mm)     | 20" (508 mm)      | 11" (279 mm)    | 1 1/4" (32 mm)       | 38" (965 mm)   |
| LJ-5067-42    | 7" (178 mm)     | 20" (508 mm)      | 15" (381 mm)    | 1 1/4" (32 mm)       | 42" (1067 mm)  |
| S-5067-31     | 5 1/4" (133 mm) | 19 1/2" (498 mm)  | 5 3/4" (149 mm) | 1 1/4" (32 mm)       | 31" (787 mm)   |
| S-5067-34     | 5 1/4" (149 mm) | 21 1/2" (546 mm)  | 5 3/4" (149 mm) | 1 1/4" (32 mm)       | 34" (864 mm)   |
| S-5067-36     | 5 1/4" (136 mm) | 24" (610 mm)      | 5 3/4" (149 mm) | 1 1/4" (32 mm)       | 36" (914 mm)   |
| S-5067-39     | 5 1/4" (133 mm) | 27 1/4" (698 mm)  | 5 3/4" (149 mm) | 1 1/4" (32 mm)       | 39" (990 mm)   |
| S-5067-42     | 7 3/4" (194 mm) | 27 3/4" (705 mm)  | 5 3/4" (149 mm) | 1 1/4" (32 mm)       | 42" (1067 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin E-Z.

### Product Dimensions

| Balusters:    | Top Block       | Turning Length   | Bottom Block    | Square Size    | Overall Length |
|---------------|-----------------|------------------|-----------------|----------------|----------------|
| LJ-5141ND-31‡ | 5 1/4" (133 mm) | 16 3/4" (425 mm) | 9" (229 mm)     | 1 1/4" (32 mm) | 31" (787 mm)   |
| LJ-5141-34    | 7" (178 mm)     | 20" (508 mm)     | 7" (178 mm)     | 1 1/4" (32 mm) | 34" (864 mm)   |
| LJ-5141-38    | 7" (178 mm)     | 20" (508 mm)     | 11" (279 mm)    | 1 1/4" (32 mm) | 38" (965 mm)   |
| LJ-5141-42    | 7" (178 mm)     | 20" (508 mm)     | 15" (381 mm)    | 1 1/4" (32 mm) | 42" (1067 mm)  |
| S-5141-31     | 5 1/4" (133 mm) | 16 3/4" (425 mm) | 8 3/4" (210 mm) | 1 1/4" (32 mm) | 31" (787 mm)   |
| S-5141-34     | 6 1/4" (159 mm) | 18 3/4" (476 mm) | 8 3/4" (210 mm) | 1 1/4" (32 mm) | 34" (864 mm)   |
| S-5141-36     | 6 1/4" (159 mm) | 20 3/4" (527 mm) | 8 3/4" (210 mm) | 1 1/4" (32 mm) | 36" (914 mm)   |
| S-5141-39     | 6 1/4" (159 mm) | 23 3/4" (603 mm) | 8 3/4" (210 mm) | 1 1/4" (32 mm) | 39" (990 mm)   |
| S-5141-42     | 6 1/4" (159 mm) | 26 3/4" (679 mm) | 8 3/4" (210 mm) | 1 1/4" (32 mm) | 42" (1067 mm)  |

‡ This Baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin E-Z.

| Newel Posts:          | Finial         | Top Block   | Turning Length | Bottom Block | Square Size    | Overall Length |
|-----------------------|----------------|-------------|----------------|--------------|----------------|----------------|
| <b>Utility Newels</b> |                |             |                |              |                |                |
| LJ-4040               | 2 5/8" (67 mm) | 5" (127 mm) | 23" (584 mm)   | 17" (431 mm) | 3" (76 mm)     | 48" (1219 mm)  |
| LJ-4042               | 2 5/8" (67 mm) | 5" (127 mm) | 23" (584 mm)   | 27" (686 mm) | 3" (76 mm)     | 58" (1473 mm)  |
| LJ-4150               | 3 3/4" (95 mm) | 5" (127 mm) | 23" (584 mm)   | 16" (406 mm) | 3" (76 mm)     | 48" (1219 mm)  |
| LJ-4152               | 3 3/4" (95 mm) | 5" (127 mm) | 23" (584 mm)   | 26" (660 mm) | 3" (76 mm)     | 58" (1473 mm)  |
| LJ-4180               | 2 5/8" (67 mm) | 5" (127 mm) | 23" (584 mm)   | 17" (431 mm) | 3 1/4" (83 mm) | 48" (1219 mm)  |
| LJ-4182               | 2 5/8" (67 mm) | 5" (127 mm) | 23" (584 mm)   | 27" (686 mm) | 3 1/4" (83 mm) | 58" (1473 mm)  |

### Second Floor Landing Newel

|         |                |              |                  |                  |                |               |
|---------|----------------|--------------|------------------|------------------|----------------|---------------|
| LJ-4045 | 2 5/8" (67 mm) | 11" (279 mm) | 19 1/2" (495 mm) | 24 1/2" (622 mm) | 3" (76 mm)     | 58" (1473 mm) |
| LJ-4155 | 3 3/4" (95 mm) | 11" (279 mm) | 19 1/2" (495 mm) | 23 1/2" (597 mm) | 3" (76 mm)     | 58" (1473 mm) |
| LJ-4185 | 2 5/8" (67 mm) | 11" (279 mm) | 19 1/2" (495 mm) | 24 1/2" (622 mm) | 3 1/4" (83 mm) | 58" (1473 mm) |

### Intermediate Landing Newels

|         |                |                  |              |                   |                |               |
|---------|----------------|------------------|--------------|-------------------|----------------|---------------|
| LJ-4046 | 2 5/8" (67 mm) | 14 1/2" (368 mm) | 16" (406 mm) | 39 1/2" (1003 mm) | 3" (76 mm)     | 73" (1854 mm) |
| LJ-4053 | 2 5/8" (67 mm) | 5" (127 mm)      | 23" (584 mm) | 31" (787 mm)      | 3" (76 mm)     | 62" (1574 mm) |
| LJ-4055 | 2 5/8" (67 mm) | 5" (127 mm)      | 23" (584 mm) | 42" (1067 mm)     | 3" (76 mm)     | 73" (1854 mm) |
| LJ-4058 | 2 5/8" (67 mm) | 5" (127 mm)      | 23" (584 mm) | 47" (1193 mm)     | 3" (76 mm)     | 78" (1981 mm) |
| LJ-4156 | 3 3/4" (95 mm) | 14 1/2" (368 mm) | 16" (406 mm) | 38 1/2" (978 mm)  | 3" (76 mm)     | 73" (1854 mm) |
| LJ-4168 | 3 3/4" (95 mm) | 5" (127 mm)      | 23" (584 mm) | 46" (1168 mm)     | 3" (76 mm)     | 78" (1981 mm) |
| LJ-4186 | 2 5/8" (67 mm) | 14 1/2" (368 mm) | 16" (406 mm) | 39 3/4" (1006 mm) | 3 1/4" (83 mm) | 73" (1854 mm) |
| LJ-4198 | 2 5/8" (67 mm) | 5" (127 mm)      | 23" (584 mm) | 47" (1193 mm)     | 3 1/4" (83 mm) | 78" (1981 mm) |

### Rake Newel

|           |     |     |              |              |            |               |
|-----------|-----|-----|--------------|--------------|------------|---------------|
| LJ-4013PT | N/A | N/A | 27" (686 mm) | 16" (406 mm) | 3" (76 mm) | 43" (1029 mm) |
|-----------|-----|-----|--------------|--------------|------------|---------------|

Pictured Right: LJ-6B10P0 Handrail, LJ-6045 Shoerail, LJ-4040 Newels and LJ-5141 Balusters.

Pictured Far Right: LJ-6601 Handrail and LJ-5040 Balusters.



## Newel Posts

## Newel Drop



LJ-4099A



LJ-4180  
LJ-4182  
LJ-4198†



LJ-4185



LJ-4186



LJ-4150  
LJ-4152  
LJ-4168†



LJ-4155



LJ-4156



LJ-4013PT



Available in Ball Top  
Specify "BT" suffix  
(LJ-4040BT)



LJ-4040  
LJ-4042  
LJ-4053†  
LJ-4055†  
LJ-4058†



LJ-4045



LJ-4046

Box Newels

Consider box newels for your stairway from our Hierloom Collection on pages 36-41

Post to Post

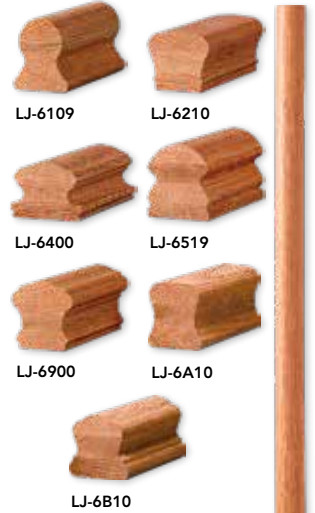
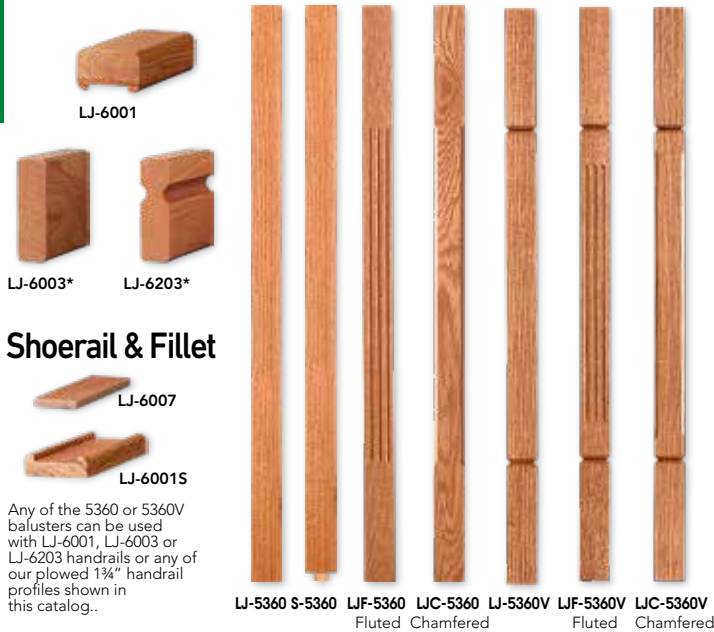
† Requires a landing  
fitting assembly  
(gooseneck pp 75-76)



## Handrails and Square Balusters

## Non-Plowed Handrails and Round Balusters

## Newel Posts



Note: The balusters shown on this page can also be used with any other newel style shown in this catalog.

The handrail must be drilled with a 1 3/4" diameter hole to properly install the LJ-5370 balusters.



LJ-5370 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

\*This rail profile is used when the balusters will be side mounted to the handrail.

NOTE: the balusters on this page are not pre-drilled, nor do they come with a ("Pin E-Z").

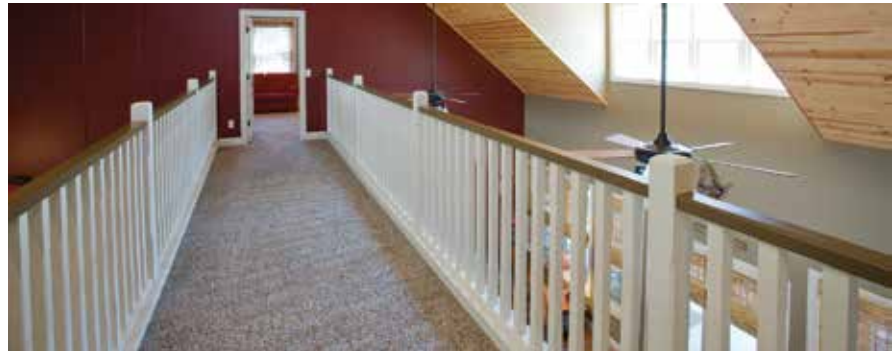
### Product Dimensions

| Handrails: | Height          | Profile Width  | Bottom Width     | Plow Width     |
|------------|-----------------|----------------|------------------|----------------|
| LJ-6001    | 1 1/2" (41 mm)  | 2 3/4" (70 mm) | 2 3/4" (70 mm)   | 1 3/4" (44 mm) |
| LJ-6003    | 5 1/2" (140 mm) | 1 3/8" (41 mm) | 1 3/8" (41 mm)   | N/A            |
| LJ-6109    | 2 1/8" (73 mm)  | 1 7/8" (48 mm) | 2 3/8" (60 mm)   | N/A            |
| LJ-6203    | 5 1/2" (140 mm) | 1 3/8" (41 mm) | 1 3/8" (41 mm)   | N/A            |
| LJ-6210    | 2 3/8" (60 mm)  | 2 3/8" (67 mm) | 2" (51 mm)       | N/A            |
| LJ-6400    | 2 1/4" (57 mm)  | 2 3/4" (70 mm) | 3" (76 mm)       | N/A            |
| LJ-6519    | 3" (76 mm)      | 2 3/8" (67 mm) | 2 3/8" (67 mm)   | N/A            |
| LJ-6900    | 2 3/4" (70 mm)  | 2 3/8" (67 mm) | 1 13/16" (49 mm) | N/A            |
| LJ-6A10    | 2 3/8" (60 mm)  | 2" (51 mm)     | 2 1/8" (54 mm)   | N/A            |
| LJ-6B10    | 2 3/4" (59 mm)  | 2" (51 mm)     | 2 3/8" (60 mm)   | N/A            |

| Shoerail and Fillet: | Height       | Width          | Plow Width     |
|----------------------|--------------|----------------|----------------|
| LJ-6001S             | 3/4" (19 mm) | 2 1/2" (64 mm) | 1 3/4" (44 mm) |
| LJ-6007              | 7/16" (8 mm) | 1 1/4" (44 mm) | N/A            |

| Balusters:   | Top Block       | Detail Length         | Bottom Block          | Square Size                                  | Overall Length |
|--------------|-----------------|-----------------------|-----------------------|----------------------------------------------|----------------|
| LJ-5360      |                 | 1 1/4" (44 mm)        | Square x 34" (864 mm) | 38" (965 mm), or 42" (1067 mm)               |                |
| S-5360       | 1 3/4" (44 mm)  | Square x 31" (787 mm) | 34" (864 mm)          | 36" (914 mm), 39" (990 mm), or 42" (1067 mm) |                |
| LJF-5360-34  | 7" (178 mm)     | 20" (508 mm)          | 7" (178 mm)           | 1 1/4" (44 mm) Square                        | 34" (864 mm)   |
| LJF-5360-38  | 7" (178 mm)     | 20" (508 mm)          | 11" (279 mm)          | 1 1/4" (44 mm) Square                        | 38" (965 mm)   |
| LJF-5360-42  | 7" (178 mm)     | 20" (508 mm)          | 15" (381 mm)          | 1 1/4" (44 mm) Square                        | 42" (1067 mm)  |
| LJC-5360-34  | 5 1/8" (149 mm) | 18 1/8" (460 mm)      | 10" (254 mm)          | 1 1/4" (44 mm) Square                        | 34" (864 mm)   |
| LJC-5360-38  | 5 1/8" (149 mm) | 18 1/8" (460 mm)      | 14" (356 mm)          | 1 1/4" (44 mm) Square                        | 38" (965 mm)   |
| LJC-5360-42  | 5 1/8" (149 mm) | 18 1/8" (460 mm)      | 18" (457 mm)          | 1 1/4" (44 mm) Square                        | 42" (1067 mm)  |
| All 5360V-34 | 7 1/2" (184 mm) | 19 1/2" (495 mm)      | 7 1/4" (184 mm)       | 1 1/4" (44 mm) Square                        | 34" (864 mm)   |
| All 5360V-38 | 7 1/2" (184 mm) | 19 1/2" (495 mm)      | 11 1/4" (286 mm)      | 1 1/4" (44 mm) Square                        | 38" (965 mm)   |
| All 5360V-42 | 7 1/2" (184 mm) | 19 1/2" (495 mm)      | 15 1/4" (387 mm)      | 1 1/4" (44 mm) Square                        | 42" (1067 mm)  |
| LJ-5370      |                 | 1 1/4" (44 mm)        | Round x 34" (864 mm)  | 38" (965 mm), or 42" (1067 mm)               |                |

| Newel Posts:                       | Top Block        | Detail Length | Bottom Block     | Square Size    | Overall Length |
|------------------------------------|------------------|---------------|------------------|----------------|----------------|
| <b>Utility Newels</b>              |                  |               |                  |                |                |
| LJ-4000                            | N/A              | N/A           | N/A              | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJF-4000                           | 11 1/2" (292 mm) | 20" (508 mm)  | 16 1/2" (419 mm) | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJC-4000                           | 11 1/2" (292 mm) | 20" (508 mm)  | 16 1/2" (419 mm) | 3 1/2" (89 mm) | 48" (1219 mm)  |
| LJ-4101G                           | N/A              | N/A           | N/A              | 3 1/2" (89 mm) | 58" (1473 mm)  |
| <b>Intermediate Landing Newels</b> |                  |               |                  |                |                |
| LJ-4001                            | N/A              | N/A           | N/A              | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJF-4001                           | 15" (381 mm)     | 16" (406 mm)  | 27" (686 mm)     | 3 1/2" (89 mm) | 58" (1473 mm)  |
| LJC-4001                           | 15" (381 mm)     | 16" (406 mm)  | 27" (686 mm)     | 3 1/2" (89 mm) | 58" (1473 mm)  |



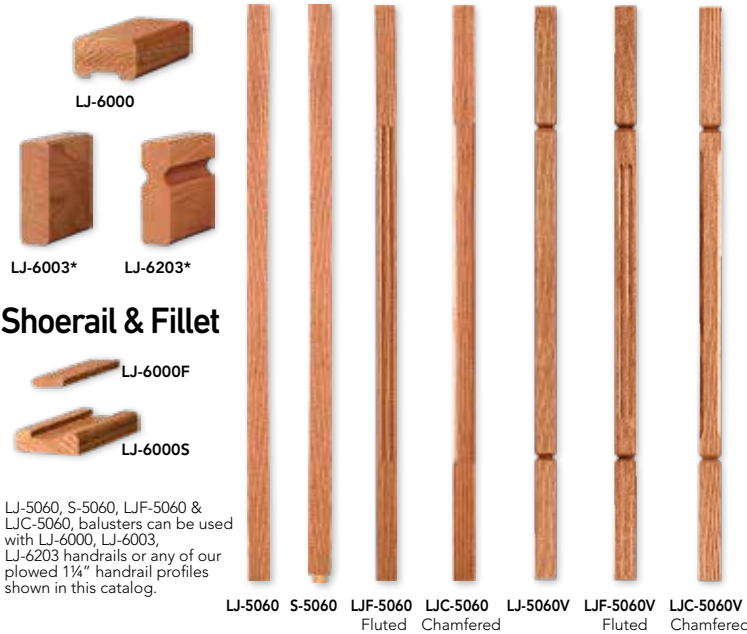
Pictured Top Right: LJ-6001 Handrail, LJC-4000 Chamfered Newels and LJC-5360 Chamfered Balusters.

Pictured Bottom Right: LJ-6210P Handrail, LJ-4091 Box Newels and LJ-5360V V-Groove Balusters



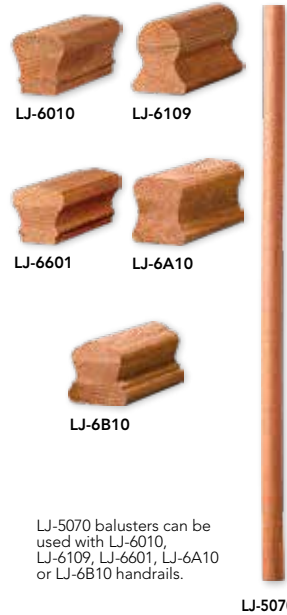
# Crisp Collection

## Handrails and Square Balusters



LJ-5060, S-5060, LJF-5060 & LJC-5060, balusters can be used with LJ-6000, LJ-6003, LJ-6203 handrails or any of our plowed 1 1/4" handrail profiles shown in this catalog.

## Non-Plowed Handrails and Round Balusters



Note: The balusters shown on this page can also be used with any other newel style shown in this catalog.

The handrail must be drilled with a 1 1/4" diameter hole to properly install the LJ-5070 balusters.

LJ-5070 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

## Newel Posts



Post to Post

\*This rail profile is used when the balusters will be side mounted to the handrail.

NOTE: The balusters on this page are not pre-drilled, nor do they come with a ("Pin E-Z").

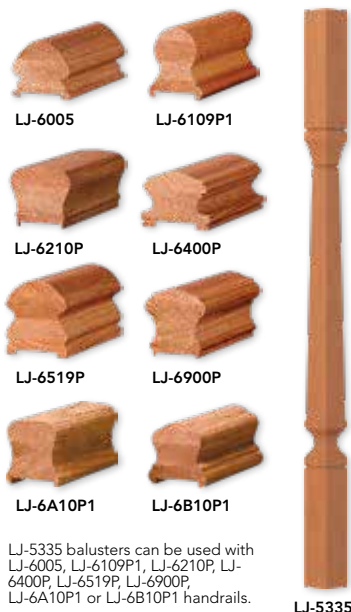
| Product Dimensions                 |                                                                                                  |                  |                  |                       |                |
|------------------------------------|--------------------------------------------------------------------------------------------------|------------------|------------------|-----------------------|----------------|
| Handrails:                         | Height                                                                                           | Profile Width    | Bottom Width     | Plow Width            |                |
| LJ-6000                            | 1 3/8" (41 mm)                                                                                   | 2 3/4" (70 mm)   | 2 3/4" (70 mm)   | 1 1/4" (32 mm)        |                |
| LJ-6003                            | 5 1/2" (140 mm)                                                                                  | 1 3/4" (41 mm)   | 1 3/4" (41 mm)   | N/A                   |                |
| LJ-6010                            | 2 3/8" (60 mm)                                                                                   | 2 1/4" (57 mm)   | 1 1/2" (38 mm)   | N/A                   |                |
| LJ-6109                            | 2 7/8" (73 mm)                                                                                   | 1 5/8" (48 mm)   | 2 3/8" (60 mm)   | N/A                   |                |
| LJ-6203                            | 5 1/2" (140 mm)                                                                                  | 1 3/4" (41 mm)   | 1 3/4" (41 mm)   | N/A                   |                |
| LJ-6601                            | 2 1/4" (57 mm)                                                                                   | 2 1/4" (57 mm)   | 1 1/2" (38 mm)   | N/A                   |                |
| LJ-6A10                            | 2 3/8" (60 mm)                                                                                   | 2" (51 mm)       | 2 1/4" (54 mm)   | N/A                   |                |
| LJ-6B10                            | 2 3/8" (60 mm)                                                                                   | 2" (51 mm)       | 2 3/8" (60 mm)   | N/A                   |                |
| Shoerail and Fillet:               | Height                                                                                           | Width            | Plow Width       |                       |                |
| LJ-6000F                           | 3/8" (8 mm)                                                                                      | 1 1/4" (32 mm)   | N/A              |                       |                |
| LJ-6000S                           | 3/4" (19 mm)                                                                                     | 2 1/2" (64 mm)   | 1 1/4" (32 mm)   |                       |                |
| Balusters:                         | Top Block                                                                                        | Detail Length    | Bottom Block     | Square Size           | Overall Length |
| LJ-5060                            | 1 1/4" (32 mm) Square x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)                             |                  |                  |                       |                |
| S-5060                             | 1 1/4" (32 mm) Square x 31" (787 mm), 34" (864 mm), 36" (914 mm), 39" (990 mm), or 42" (1067 mm) |                  |                  |                       |                |
| LJF-5060-34                        | 7" (178 mm)                                                                                      | 20" (508 mm)     | 7" (178 mm)      | 1 1/4" (32 mm) Square | 34" (864 mm)   |
| LJF-5060-38                        | 7" (178 mm)                                                                                      | 20" (508 mm)     | 11" (279 mm)     | 1 1/4" (32 mm) Square | 38" (965 mm)   |
| LJF-5060-42                        | 7" (178 mm)                                                                                      | 20" (508 mm)     | 15" (381 mm)     | 1 1/4" (32 mm) Square | 42" (1067 mm)  |
| LJC-5060-34                        | 5 1/8" (148 mm)                                                                                  | 18 1/4" (460 mm) | 10" (254 mm)     | 1 1/4" (32 mm) Square | 34" (864 mm)   |
| LJC-5060-38                        | 5 1/8" (148 mm)                                                                                  | 18 1/4" (460 mm) | 14" (356 mm)     | 1 1/4" (32 mm) Square | 38" (965 mm)   |
| LJC-5060-42                        | 5 1/8" (148 mm)                                                                                  | 18 1/4" (460 mm) | 18" (457 mm)     | 1 1/4" (32 mm) Square | 42" (1067 mm)  |
| All 5060V-34                       | 7 1/4" (184 mm)                                                                                  | 19 1/2" (495 mm) | 7 1/4" (184 mm)  | 1 1/4" (32 mm) Square | 34" (864 mm)   |
| All 5060V-38                       | 7 1/4" (184 mm)                                                                                  | 19 1/2" (495 mm) | 11 1/4" (286 mm) | 1 1/4" (32 mm) Square | 38" (965 mm)   |
| All 5060V-42                       | 7 1/4" (184 mm)                                                                                  | 19 1/2" (495 mm) | 15 1/4" (387 mm) | 1 1/4" (32 mm) Square | 42" (1067 mm)  |
| LJ-5070                            | 1 1/4" (32 mm) Round x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)                              |                  |                  |                       |                |
| Newel Posts:                       | Top Block                                                                                        | Detail Length    | Bottom Block     | Square Size           | Overall Length |
| <b>Utility Newels</b>              |                                                                                                  |                  |                  |                       |                |
| LJ-4110                            | N/A                                                                                              | N/A              | N/A              | 3" (76 mm)            | 48" (1219 mm)  |
| LJF-4110                           | 11 1/2" (292 mm)                                                                                 | 20" (508 mm)     | 16 1/2" (419 mm) | 3" (76 mm)            | 48" (1219 mm)  |
| LJC-4110                           | 11 1/2" (292 mm)                                                                                 | 20" (508 mm)     | 16 1/2" (419 mm) | 3" (76 mm)            | 48" (1219 mm)  |
| <b>Intermediate Landing Newels</b> |                                                                                                  |                  |                  |                       |                |
| LJ-4111                            | N/A                                                                                              | N/A              | N/A              | 3" (76 mm)            | 58" (1473 mm)  |
| LJF-4111                           | 15" (381 mm)                                                                                     | 16" (406 mm)     | 27" (686 mm)     | 3" (76 mm)            | 58" (1473 mm)  |
| LJC-4111                           | 15" (381 mm)                                                                                     | 16" (406 mm)     | 27" (686 mm)     | 3" (76 mm)            | 58" (1473 mm)  |

Pictured Right: Our Crisp Collection Balusters can be combined with any of our newel posts. This stairway features our LJ-5060 Balusters with LJ-4075 Box Newels, and LJ-6000 Handrail.



# Carved Collection

## Plowed Handrails and Square Top Balusters



LJ-5335 balusters can be used with LJ-6005, LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

## Shoerail & Fillet



## Newel Posts



Consider box newels for your stairway from our Hierloom Collection on pages 36-41

Box Newels

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

## Product Dimensions

| Handrails:                 | Height      |               | Profile Width | Bottom Width   | Plow Width     |                |
|----------------------------|-------------|---------------|---------------|----------------|----------------|----------------|
| LJ-6005                    | 2⅝" (59 mm) |               | 2½" (64 mm)   | 2½" (64 mm)    | 1¾" (44 mm)    |                |
| LJ-6109P1                  | 2⅛" (73 mm) |               | 1⅞" (48 mm)   | 2⅜" (60 mm)    | 1¾" (44 mm)    |                |
| LJ-6210P                   | 2⅜" (60 mm) |               | 2⅝" (67 mm)   | 2" (51 mm)     | 1¾" (44 mm)    |                |
| LJ-6400P                   | 2¼" (57 mm) |               | 2¾" (70 mm)   | 3" (76 mm)     | 1¾" (44 mm)    |                |
| LJ-6519P                   | 3" (76 mm)  |               | 2⅝" (67 mm)   | 2⅝" (67 mm)    | 1¾" (44 mm)    |                |
| LJ-6900P                   | 2¾" (70 mm) |               | 2⅝" (67 mm)   | 1⅞" (49 mm)    | 1¾" (44 mm)    |                |
| LJ-6A10P1                  | 2¾" (60 mm) |               | 2" (51 mm)    | 2⅞" (54 mm)    | 1¾" (44 mm)    |                |
| LJ-6B10P1                  | 2⅝" (59 mm) |               | 2" (51 mm)    | 2⅜" (60 mm)    | 1¾" (44 mm)    |                |
| Shoerail and Fillet:       | Height      |               | Width         | Plow Width     |                |                |
| LJ-6006                    | 1" (25 mm)  |               | 3⅞" (79 mm)   | 1¾" (44 mm)    |                |                |
| LJ-6007                    | ⅝" (8 mm)   |               | 1¾" (44 mm)   | N/A            |                |                |
| Balusters:                 | Top Block   | Carved Length | Bottom Block  | Square Size    | Overall Length |                |
| LJ-5335-34                 | 7" (178 mm) | 20" (508 mm)  | 7" (178 mm)   | 1¾" (44 mm)    | 34" (864 mm)   |                |
| LJ-5335-38                 | 7" (178 mm) | 20" (508 mm)  | 11" (279 mm)  | 1¾" (44 mm)    | 38" (965 mm)   |                |
| LJ-5335-42                 | 7" (178 mm) | 20" (508 mm)  | 15" (381 mm)  | 1¾" (44 mm)    | 42" (1067 mm)  |                |
| Newel Posts:               | Finial      | Top Block     | Carved Length | Bottom Block   | Square Size    | Overall Length |
| Utility Newels             |             |               |               |                |                |                |
| LJ-4700                    | 3" (76 mm)  | 5" (127 mm)   | 23" (584 mm)  | 17" (432 mm)   | 3" (76 mm)     | 48" (1219 mm)  |
| Second Floor Landing Newel |             |               |               |                |                |                |
| LJ-4703                    | 3" (76 mm)  | 11" (279 mm)  | 20⅞" (521 mm) | 23⅝" (597 mm)  | 3" (76 mm)     | 58" (1473 mm)  |
| Intermediate Landing Newel |             |               |               |                |                |                |
| LJ-4705                    | 3" (76 mm)  | 14½" (368 mm) | 16" (406 mm)  | 39½" (1003 mm) | 3" (76 mm)     | 73" (1854 mm)  |

\* Length is from the top of the bottom block to the top of the baluster





# Heirloom Collection

L.J. Smith Box Newels are individually hand made by experienced craftsmen, consistent with the methods and techniques that have been proven over many years. The next several pages feature our complete Box Newel offering, including our full line of decorative box newel accessories.



Pictured left to right:

LJ-4091 Box Newels, LIH-HOL1BASK44 and LIH-HOLBLTW44 Iron Balusters, LJ-6519 Handrail.

LJRA-4091 Box Newels, LIH-HOL2TW44 LIH-HOL1BASK44, and LIH-HOL30144 Iron Balusters, LJ-6900 Handrail.

LJ-4091 Box Newels, LJ-5360 Balusters, LJ-6400P Handrail.

LJ-4091NC Box Newels with LJ-C4091 Cap, LJ-5060 Balusters, LJ-6010P Handrail.

The Box Newels shown here are our Traditional Style Box Newels. The construction of these newels allow for various installation methods. We recommend these newels be used with any of our iron or 1 $\frac{3}{4}$ " (44 mm) balusters and corresponding handrails. They can, however, be used with 1 $\frac{1}{4}$ " (32 mm) balusters and corresponding handrails. These newels can also be accessorized with our top plates and finial, as shown on page 41. All Box Newels and accessories are for interior use only.



| Product Dimensions |                                                          |                           |                           |                           |                            |                             |                              |                            |                              |
|--------------------|----------------------------------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|
| Item Number:       | Top Plate Height                                         | Top Moulding Height       | Middle Moulding Height    | Bottom Moulding Height    | Top Block Length           | Center Length               | Bottom Block Length          | Square Size                | Overall Length               |
| All 4091's         | 1 $\frac{3}{8}$ " (35 mm)                                | 1 $\frac{1}{2}$ " (38 mm) | $\frac{3}{4}$ " (19 mm)   | 1 $\frac{3}{8}$ " (35 mm) | 6 $\frac{1}{4}$ " (159 mm) | 20 $\frac{3}{4}$ " (527 mm) | 23" (584 mm)                 | 6 $\frac{1}{4}$ " (159 mm) | 55" (1397 mm)                |
| LJ-4075            | 1 $\frac{3}{8}$ " (35 mm)                                | 1 $\frac{1}{2}$ " (38 mm) | $\frac{3}{4}$ " (19 mm)   | N/A                       | 6 $\frac{1}{4}$ " (159 mm) | N/A                         | 46 $\frac{5}{8}$ " (1191 mm) | 3 $\frac{1}{2}$ " (89 mm)  | 56" (1422 mm)                |
| LJ-4075-50         | 1 $\frac{3}{8}$ " (35 mm)                                | 1 $\frac{1}{2}$ " (38 mm) | $\frac{3}{4}$ " (19 mm)   | N/A                       | 6 $\frac{1}{4}$ " (159 mm) | N/A                         | 40 $\frac{1}{8}$ " (1019 mm) | 3 $\frac{1}{2}$ " (89 mm)  | 50" (1270 mm)                |
| LJ-4175            | 1 $\frac{3}{8}$ " (35 mm)                                | 1 $\frac{1}{2}$ " (38 mm) | $\frac{3}{4}$ " (19 mm)   | N/A                       | 6 $\frac{1}{4}$ " (159 mm) | 23 $\frac{3}{4}$ " (603 mm) | 22 $\frac{1}{2}$ " (562 mm)  | 4 $\frac{1}{2}$ " (114 mm) | 56" (1422 mm)                |
| LJ-4175-50         | 1 $\frac{3}{8}$ " (35 mm)                                | 1 $\frac{1}{2}$ " (38 mm) | $\frac{3}{4}$ " (19 mm)   | N/A                       | 6 $\frac{1}{4}$ " (159 mm) | 17 $\frac{3}{8}$ " (448 mm) | 22 $\frac{1}{2}$ " (562 mm)  | 4 $\frac{1}{2}$ " (114 mm) | 50" (1270 mm)                |
| LJ-4391            | 1 $\frac{3}{8}$ " (35 mm)<br>& 1 $\frac{3}{4}$ " (19 mm) | 1 $\frac{1}{8}$ " (48 mm) | 1 $\frac{1}{2}$ " (38 mm) | 1 $\frac{1}{8}$ " (48 mm) | 5 $\frac{1}{4}$ " (133 mm) | 22 $\frac{3}{4}$ " (568 mm) | 23 $\frac{1}{4}$ " (591 mm)  | 5 $\frac{1}{2}$ " (140 mm) | 54 $\frac{1}{4}$ " (1378 mm) |

Each LJ-4391 Box Newel comes with two loose Top Caps for creating the desired look. The chosen cap is easily installed using construction adhesive and the provided wood pin.



Chamfered Top Cap



Flat Top Cap

# Heirloom Collection

The construction of these box newels allows for various installation methods...each features a solid blocking within the top section while the remainder of the newel is hollow. We recommend these newels be used with any of our iron or 1 3/4" (44 mm) wood balusters and corresponding handrails. They can, however, also be used with 1 1/4" (32 mm) balusters and corresponding handrails. These newels can also be accessorized with our top plates and finial, as shown on page 41. All box newels and accessories are for interior use only.

## BOX NEWELS



LJ-4092

Plain Panel

LJ-4093

Fluted Panel

LJ-4094

Recessed Panel

LJ-4095

Raised Panel

## INTERMEDIATE BOX NEWELS



LJ-4392†

Plain Panel

LJ-4393†

Fluted Panel

LJ-4394†

Recessed Panel

LJ-4395†

Raised Panel

†Requires a gooseneck handrail fitting when used at an intermediate landing or second floor landing.

### Product Dimensions

| Item Number: | Top Moulding Height<br>(includes flat top plate) | Middle Moulding Height | Bottom Moulding Height | Top Block Length | Center Length     | Bottom Block Length | Square Size     | Overall Length     |
|--------------|--------------------------------------------------|------------------------|------------------------|------------------|-------------------|---------------------|-----------------|--------------------|
| LJ-4092      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4093      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4094      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4095      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4096*     | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4097*     | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 20" (508 mm)        | 7 1/2" (191 mm) | 53 3/16" (1351 mm) |
| LJ-4392      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |
| LJ-4393      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |
| LJ-4394      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |
| LJ-4395      | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |
| LJ-4396*     | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |
| LJ-4397*     | 2 3/16" (56 mm)                                  | 1 1/4" (32 mm)         | 1 1/4" (32 mm)         | 5 3/16" (132 mm) | 23 3/16" (592 mm) | 28 13/16" (732 mm)  | 4 1/4" (108 mm) | 62" (1575 mm)      |

\* This item is pictured on the following page



These box newels feature decorative inlays for a more dramatic stairway appearance. Each of our Box Newels and Intermediate Box Newels can be ordered with either of the two inlay patterns installed, as shown below. These newels are identical in dimension, and are assembled in the same manner, as is our LJ-4092, LJ-4093, LJ-4094 and LJ-4095 series of box newels shown on the previous page. Our Inlaid Box Newels can be used with any of our wood or iron balusters and nearly all of our handrail profiles. These newels can also be accessorized with our top plates and finial, as shown on page 41.

### SAMPLES OF BOX NEWEL/INLAY COMBINATIONS



**LJ-4096-MW**

Maple Box Newel with Walnut Diamond & Trapezoid Inlay

**LJ-4096-OO**

Oak Box Newel with Oak Diamond & Trapezoid Inlay

**LJ-4097-OW**

Oak Box Newel with Walnut Rectangle Inlay

**LJ-4097-OO**

Oak Box Newel with Oak Rectangle Inlay

### SAMPLES OF INTERMEDIATE BOX NEWEL/INLAY COMBINATIONS



**LJ-4396-MW†**

Maple Intermediate Box Newel with Walnut Diamond & Trapezoid Inlay

**LJ-4396-OO†**

Oak Intermediate Box Newel with Oak Diamond & Trapezoid Inlay

**LJ-4397-OW†**

Oak Intermediate Box Newel with Walnut Rectangle Inlay

**LJ-4397-OO†**

Oak Intermediate Box Newel with Oak Rectangle Inlay

†Requires a gooseneck handrail fitting when used at an intermediate landing or second floor landing.

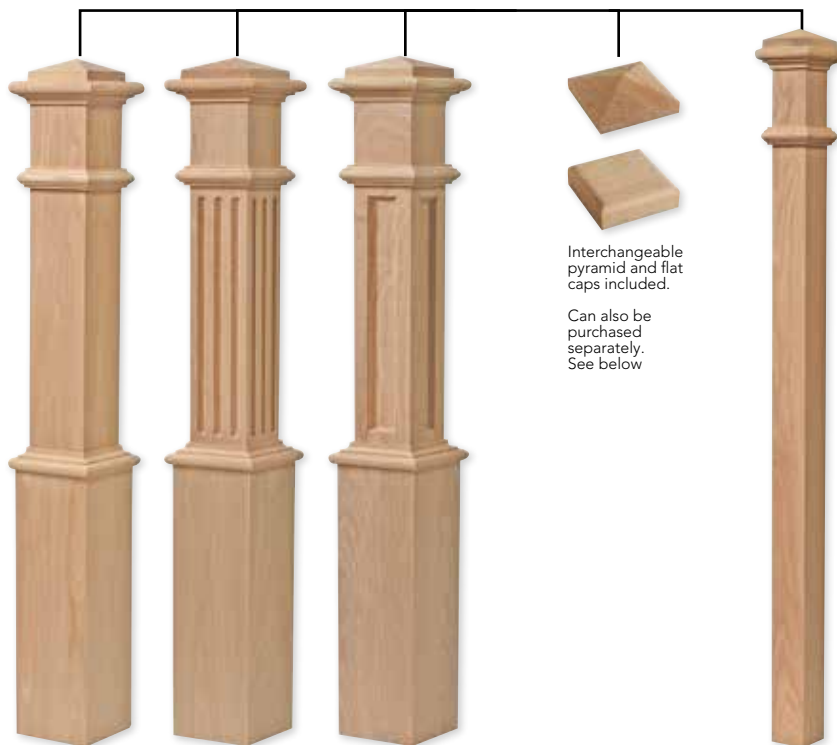
**Species** — Our Inlaid Box Newels are available in cherry (C), oak (O), and maple (M). The Inlays are available in the following wood species: cherry (C), walnut (W), oak (O), and maple (M). See page 17 for our wood species. When ordering Inlaid Box Newels, specify the Box Newel Item Number from the chart below and add a suffix of the Newel Specie code, followed by the Inlay Specie code. For example, LJ-4096-MW is a Maple Box Newel with Walnut Diamond & Trapezoid Inlay.

| ITEM NUMBER    | DESCRIPTION                                           |
|----------------|-------------------------------------------------------|
| <b>LJ-4096</b> | Box Newel with Diamond & Trapezoid Inlay              |
| <b>LJ-4097</b> | Box Newel with Rectangle Inlay                        |
| <b>LJ-4396</b> | Intermediate Box Newel with Diamond & Trapezoid Inlay |
| <b>LJ-4397</b> | Intermediate Box Newel with Rectangle Inlay           |

# Heirloom Collection



Eased Edged Moulding



Plain Panel

**LJP-4491**  
5½" x 55"

**LJP-4591**  
6¼" x 55"

**LJP-4691**  
7½" x 55"

Fluted Panel

**LJF-4491**  
5½" x 55"

**LJF-4591**  
6¼" x 55"

**LJF-4691**  
7½" x 55"

Recessed Panel

**LJRC-4491**  
5½" x 55"

**LJRC-4591**  
6¼" x 55"

**LJRC-4691**  
7½" x 55"

S-4075

## Product Dimensions

| Item Number: | Pyramid Cap Height | Flat Cap Height | Top Moulding Height | Middle Moulding Height | Bottom Moulding Height | Top Block Length | Center Length | Bottom Block Length | Square Size  | Overall Length |
|--------------|--------------------|-----------------|---------------------|------------------------|------------------------|------------------|---------------|---------------------|--------------|----------------|
| LJ-4076      | 2½" (64 mm)        | N/A             | 1" (25 mm)          | 1½/32" (29 mm)         | N/A                    | 4½" (114 mm)     | N/A           | 48½/32" (1241 mm)   | 4" (101 mm)  | 58" (1473 mm)  |
| LJF-4491     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 5½" (140 mm) | 55" (1397 mm)  |
| LJF-4591     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 6¼" (159 mm) | 55" (1397 mm)  |
| LJF-4691     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 7½" (191 mm) | 55" (1397 mm)  |
| LJP-4491     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 5½" (140 mm) | 55" (1397 mm)  |
| LJP-4591     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 6¼" (159 mm) | 55" (1397 mm)  |
| LJP-4691     | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 7½" (191 mm) | 55" (1397 mm)  |
| LJRC-4491    | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 5½" (140 mm) | 55" (1397 mm)  |
| LJRC-4591    | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 6¼" (159 mm) | 55" (1397 mm)  |
| LJRC-4691    | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | 1½/16" (46 mm)         | 5" (127 mm)      | 20¾" (527 mm) | 22¼" (565 mm)       | 7½" (191 mm) | 55" (1397 mm)  |
| S-4075       | 1¾" (44 mm)        | 1½" (38 mm)     | 1½/16" (46 mm)      | 1¾/64" (40 mm)         | N/A                    | 5" (127 mm)      | N/A           | 45½/64" (1146 mm)   | 3½" (89 mm)  | 56" (1422 mm)  |



Pyramid Cap

**LJ-PT4091**  
(For 4491 Newels)  
1¾" x 4¾"

**LJP-PT4591**  
(For 4591 Newels)  
1¾" x 5"

**LJP-PT4691**  
(For 4691 Newels)  
1¾" x 6"

**S-PT4075**  
(For S-4075 Newels)  
1¾" x 4¾"



Flat Cap

**LJ-FT4091**  
(For 4491 Newels)  
1¾" x 4¾"

**LJP-FT4591**  
(For 4591 Newels)  
1¾" x 5"

**LJP-FT4691**  
(For 4691 Newels)  
1¾" x 6"

**S-FT4075**  
(For S-4075 Newels)  
1¾" x 4¾"



**LJ-4076**  
Primed Trim



**LJ-4076NS**  
Stainable Trim



Our tapered box newel collection is carefully designed to be reminiscent of the early 1900s Arts and Crafts movement.



LJ-4000TP-4.5  
LJ-4001TP-4.5  
Solid

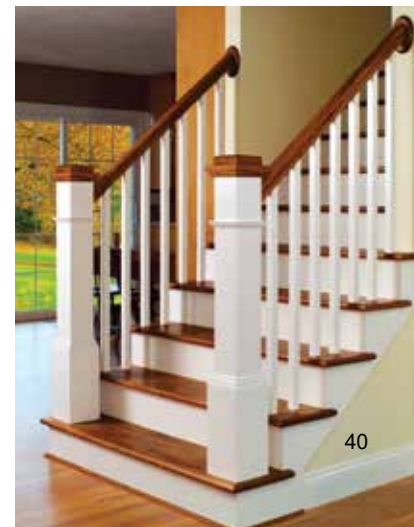
LJ-4091TP  
Hollow

| Product Dimensions |             |               |                 |              |                |
|--------------------|-------------|---------------|-----------------|--------------|----------------|
| Item Number        | Cap Height  | Taper Length  | Bottom Straight | Square Size  | Overall Height |
| LJ-4000TP-4.5      | 2½" (64 mm) | 28½" (724 mm) | 17" (432 mm)    | 4½" (114 mm) | 48" (1219 mm)  |
| LJ-4001TP-4.5      | 2½" (64 mm) | 28½" (724 mm) | 27" (686 mm)    | 4½" (114 mm) | 58" (1473 mm)  |
| LJ-4091TP          | 2½" (64 mm) | 32½" (813 mm) | 23" (584 mm)    | 6¼" (159 mm) | 58" (1473 mm)  |

L.J. Smith offers a versatile collection of newel options to create the perfect combination for stairways with painted balusters and stained handrail. Choose from five gloss primed newel styles and coordinating caps in the species to match the handrail and other woodwork in the home.



| Product Dimensions |             |              |                |
|--------------------|-------------|--------------|----------------|
| Top Caps:          | Item Number | Width        | Height         |
|                    | LJ-9011     | 4½" (114 mm) | 1½" (41 mm)    |
|                    | LJ-9012     | 5½" (138 mm) | 1½" (41 mm)    |
|                    | LJ-C4075    | 5" (127 mm)  | 2½" (63 mm)    |
|                    | LJ-C4091    | 6¼" (159 mm) | 2½" (63 mm)    |
| Newel Bodies:      | Item Number | Width        | Height         |
|                    | LJ-4110SQ   | 3" (76 mm)   | 48" (1219 mm)  |
|                    | LJ-4111SQ   | 3" (76 mm)   | 58" (1473 mm)  |
|                    | LJ-4000SQ   | 3½" (89 mm)  | 48" (1219 mm)  |
|                    | LJ-4001SQ   | 3½" (89 mm)  | 58" (1473 mm)  |
|                    | LJ-4075NC   | 3½" (89 mm)  | 54¾" (1381 mm) |
|                    | LJ-4091NC   | 6¼" (159 mm) | 53¾" (1355 mm) |
|                    | LJF-4091NC  | 6¼" (159 mm) | 53¾" (1355 mm) |



# Box Newel Accessories



Post to Post

Many of our Box Newels are crafted with a flat top plate. This allows for a variety of options from which you can choose to suit your particular taste. Each of the items pictured below are sold separately and are available in the same wood species as our Box Newels. All Box Newels and accessories are for interior use only.

**Top Plates** — Our Flat Top Plates and Chamfered Top Plates can be added directly to our Box Newels for added dimension.



**Finial** — Finials are a very early form of architectural ornamentation of stairways in the world's finest homes. A finial can be applied directly to our standard box newel top or the LJ-9000/ LJ-9300 Flat Top (as pictured below). Each finial is shipped with a 2½" x 5/16" lag screw.

## Product Dimensions

|             | Item Number | Length       | Width       | Thickness    |
|-------------|-------------|--------------|-------------|--------------|
| Top Plates: | LJ-9000     | 5" (127 mm)  | 5" (127 mm) | 1" (25 mm)   |
|             | LJ-9001     | 5" (127 mm)  | 5" (127 mm) | 1¼" (32 mm)  |
|             | LJ-9300     | 3¾" (92 mm)  | 3¾" (92 mm) | 7/8" (22 mm) |
|             | LJ-9301     | 3¾" (92 mm)  | 3¾" (92 mm) | 1½" (24 mm)  |
| Finial:     | LJ-9008     | 4⅞" (113 mm) | 3¼" (83 mm) | 3¼" (78 mm)  |

The following chart shows which accessories (listed along the left side) can be used with each of our box newels (listed across the top).

|      | 4075 | 4091 | 4092 | 4093 | 4094 | 4095 | 4096 | 4097 | 4175 | 4391 | 4392 | 4393 | 4394 | 4395 | 4396 | 4397 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9000 |      |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |      |      |      |      |      |      |      |
| 9001 |      |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |      |      |      |      |      |      |      |
| 9008 |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |
| 9300 |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |
| 9301 |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |



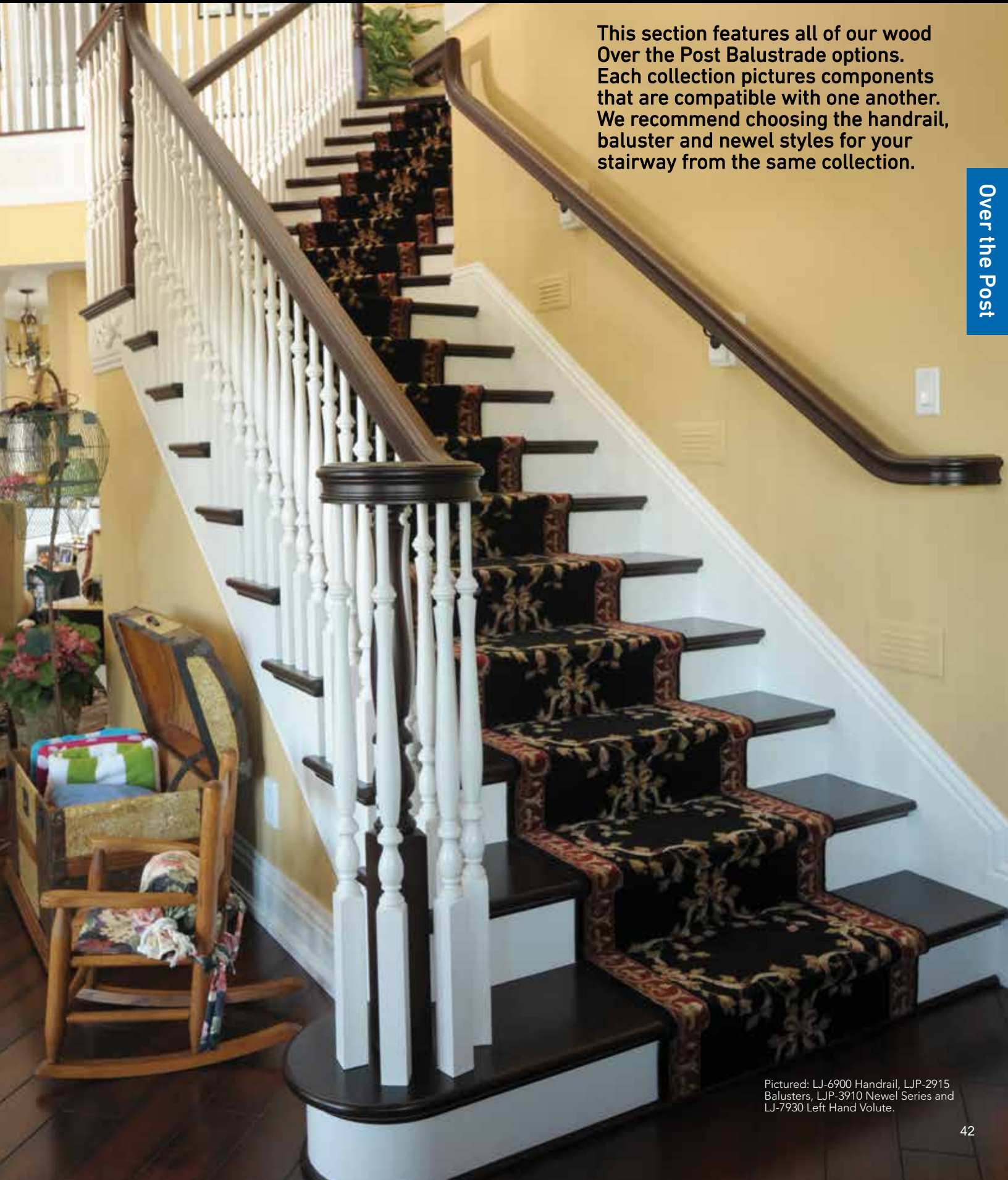


# Over the Post Systems



This section features all of our wood Over the Post Balustrade options. Each collection pictures components that are compatible with one another. We recommend choosing the handrail, baluster and newel styles for your stairway from the same collection.

Over the Post

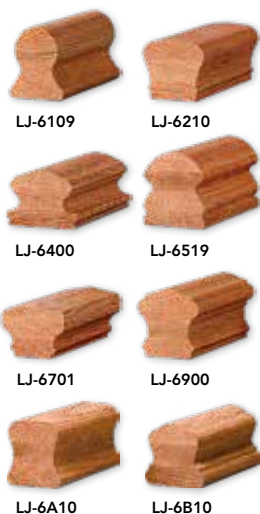


Pictured: LJ-6900 Handrail, LJP-2915 Balusters, LJP-3910 Newel Series and LJ-7930 Left Hand Volute.

# Harbor Collection

## Non-Plowed Handrails and Pin Top Balusters

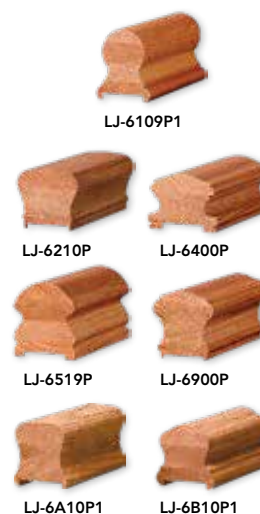
## Plowed Handrails and Square Top Balusters



2915 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.



## Shoerail & Fillet



2905 balusters can be used with LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.



Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

| Product Dimensions         |                |                |                |              |                |
|----------------------------|----------------|----------------|----------------|--------------|----------------|
| Handrails:                 | Height         |                | Profile Width  | Bottom Width | Plow Width     |
| LJ-6109                    | 2½" (73 mm)    |                | 1⅝" (48 mm)    | 2⅝" (60 mm)  | N/A            |
| LJ-6109P1                  | 2⅝" (73 mm)    |                | 1⅝" (48 mm)    | 2⅝" (60 mm)  | 1¾" (44 mm)    |
| LJ-6210                    | 2⅝" (60 mm)    |                | 2⅝" (67 mm)    | 2" (51 mm)   | N/A            |
| LJ-6210P                   | 2⅝" (60 mm)    |                | 2⅝" (67 mm)    | 2" (51 mm)   | 1¾" (44 mm)    |
| LJ-6400                    | 2¼" (57 mm)    |                | 2¾" (70 mm)    | 3" (76 mm)   | N/A            |
| LJ-6400P                   | 2¼" (57 mm)    |                | 2¾" (70 mm)    | 3" (76 mm)   | 1¾" (44 mm)    |
| LJ-6519                    | 3" (76 mm)     |                | 2⅝" (67 mm)    | 2⅝" (67 mm)  | N/A            |
| LJ-6519P                   | 3" (76 mm)     |                | 2⅝" (67 mm)    | 2⅝" (67 mm)  | 1¾" (44 mm)    |
| LJ-6701                    | 2¼" (54 mm)    |                | 2¾" (70 mm)    | 1⅝" (41 mm)  | N/A            |
| LJ-6900                    | 2¾" (70 mm)    |                | 2⅝" (67 mm)    | 1⅞" (49 mm)  | N/A            |
| LJ-6900P                   | 2¾" (70 mm)    |                | 2⅝" (67 mm)    | 1⅞" (49 mm)  | 1¾" (44 mm)    |
| LJ-6A10                    | 2⅝" (60 mm)    |                | 2" (51 mm)     | 2⅝" (54 mm)  | N/A            |
| LJ-6A10P1                  | 2⅝" (60 mm)    |                | 2" (51 mm)     | 2⅝" (54 mm)  | 1¾" (44 mm)    |
| LJ-6B10                    | 2¾" (59 mm)    |                | 2" (51 mm)     | 2⅝" (60 mm)  | N/A            |
| LJ-6B10P1                  | 2⅞" (59 mm)    |                | 2" (51 mm)     | 2⅝" (60 mm)  | 1¾" (44 mm)    |
| Shoerail and Fillet:       | Height         |                | Width          |              | Plow Width     |
| LJ-6006                    | 1" (25 mm)     |                | 3⅜" (79 mm)    |              | 1¾" (44 mm)    |
| LJ-6007                    | ¾" (8 mm)      |                | 1¾" (44 mm)    |              | N/A            |
| Balusters:                 | Top Block      | Turning Length | Bottom Block   | Square Size  | Overall Length |
| 2905-34                    | 6½" (165 mm)   | 21⅞" (535 mm)  | 6⅞" (164 mm)   | 1¾" (44 mm)  | 34" (864 mm)   |
| 2905-38                    | 6⅝" (165 mm)   | 21⅞" (535 mm)  | 10⅞" (265 mm)  | 1¾" (44 mm)  | 38" (965 mm)   |
| 2905-42                    | 6⅞" (165 mm)   | 21⅞" (535 mm)  | 14⅞" (367 mm)  | 1¾" (44 mm)  | 42" (1067 mm)  |
| 2915-34                    | N/A            | 27⅞" (700 mm)  | 6⅞" (164 mm)   | 1¾" (44 mm)  | 34" (864 mm)   |
| 2915-38                    | N/A            | 27⅞" (700 mm)  | 10⅞" (265 mm)  | 1¾" (44 mm)  | 38" (965 mm)   |
| 2915-42                    | N/A            | 27⅞" (700 mm)  | 14⅞" (367 mm)  | 1¾" (44 mm)  | 42" (1067 mm)  |
| Newel Posts:               | Turning Length |                | Bottom Block   | Square Size  | Overall Length |
| Utility Newels             |                |                |                |              |                |
| 3910                       | 23⅞" (586 mm)  |                | 18⅞" (481 mm)  | 3¼" (83 mm)  | 43" (1092 mm)  |
| 3914                       | 23⅞" (586 mm)  |                | 25⅞" (659 mm)  | 3¼" (83 mm)  | 50" (1270 mm)  |
| Intermediate Landing Newel |                |                |                |              |                |
| 3915                       | 23⅞" (586 mm)  |                | 33⅞" (862 mm)  | 3¼" (83 mm)  | 58" (1473 mm)  |
| 3918                       | 23⅞" (586 mm)  |                | 48⅞" (1243 mm) | 3¼" (83 mm)  | 73" (1854 mm)  |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts



LJB-3910  
LJB-3914  
LJB-3915  
LJB-3918

Beaded



LJF-3910  
LJF-3914  
LJF-3915  
LJF-3918

Fluted



LJP-3910  
LJP-3914  
LJP-3915  
LJP-3918

## Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Over the Post



Pictured Left: LJ-6400 Handrail, LJF-3910 Utility Newels, LJF-2915 Balusters, LJ-7430 Left Hand Volute, LJ-7441-90 Left Hand Turnout and LJ-7446-90 Right Hand Turnout.

Pictured Above: LJ-6900 Handrail, LJ-6900B Bending Handrail, LJP-3910 Utility Newels and LJP-2915 Balusters.

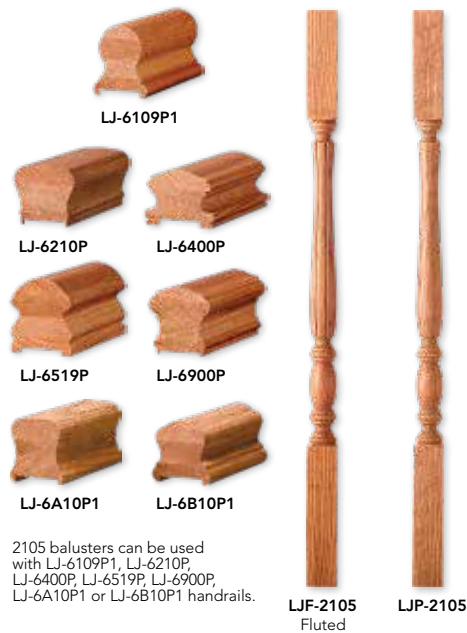
# Briarcliffe Collection

## Non-Plowed Handrails and Pin Top Balusters



2115 and LJ-2111 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

## Plowed Handrails and Square Top Balusters



2105 balusters can be used with LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

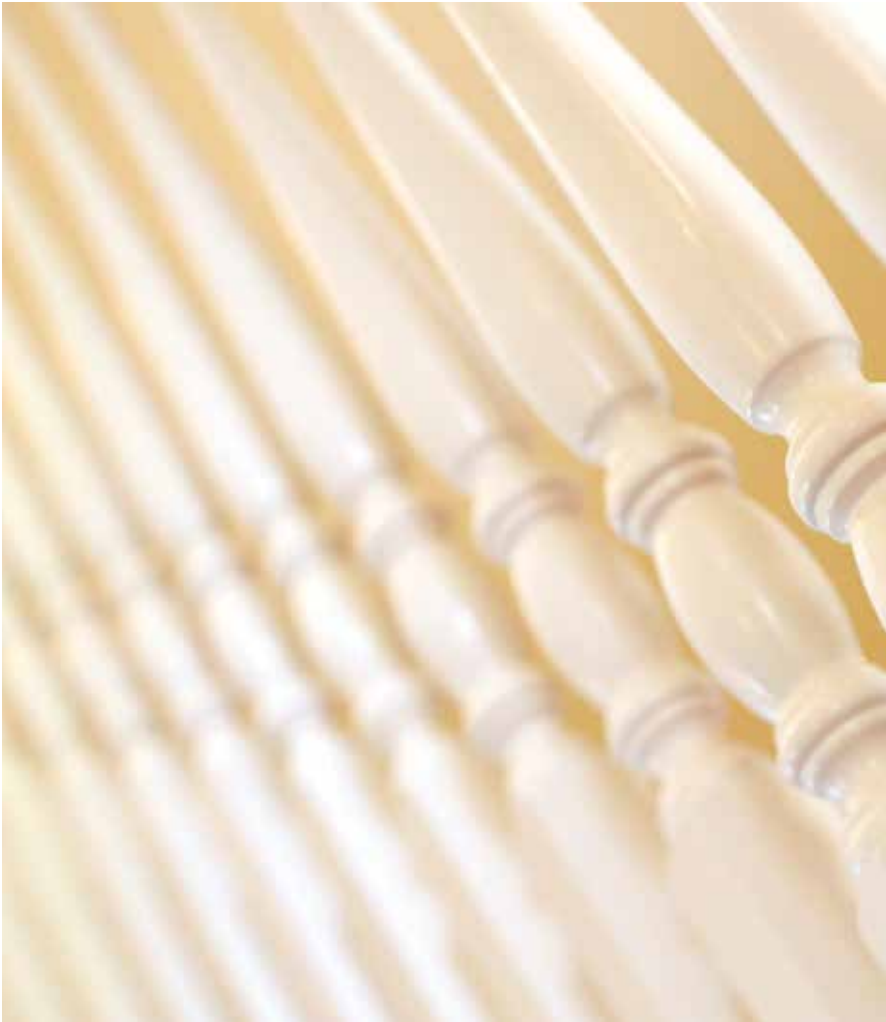
## Shoerail & Fillet



Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

| Product Dimensions          |                  |                   |                  |                |                |
|-----------------------------|------------------|-------------------|------------------|----------------|----------------|
| Handrails:                  | Height           | Profile Width     | Bottom Width     | Plow Width     |                |
| LJ-6109                     | 2 1/4" (73 mm)   | 1 1/2" (48 mm)    | 2 3/8" (60 mm)   | N/A            |                |
| LJ-6109P1                   | 2 1/4" (73 mm)   | 1 1/2" (48 mm)    | 2 3/8" (60 mm)   | 1 3/4" (44 mm) |                |
| LJ-6210                     | 2 3/4" (60 mm)   | 2 5/8" (67 mm)    | 2" (51 mm)       | N/A            |                |
| LJ-6210P                    | 2 3/4" (60 mm)   | 2 5/8" (67 mm)    | 2" (51 mm)       | 1 3/4" (44 mm) |                |
| LJ-6400                     | 2 1/4" (67 mm)   | 2 3/4" (70 mm)    | 3" (76 mm)       | N/A            |                |
| LJ-6400P                    | 2 1/4" (67 mm)   | 2 3/4" (70 mm)    | 3" (76 mm)       | 1 3/4" (44 mm) |                |
| LJ-6519                     | 3" (76 mm)       | 2 5/8" (67 mm)    | 2 3/8" (67 mm)   | N/A            |                |
| LJ-6519P                    | 3" (76 mm)       | 2 5/8" (67 mm)    | 2 3/8" (67 mm)   | 1 3/4" (44 mm) |                |
| LJ-6701                     | 2 1/2" (64 mm)   | 2 3/4" (70 mm)    | 1 3/8" (41 mm)   | N/A            |                |
| LJ-6900                     | 2 3/4" (70 mm)   | 2 5/8" (67 mm)    | 1 5/8" (49 mm)   | N/A            |                |
| LJ-6900P                    | 2 3/4" (70 mm)   | 2 5/8" (67 mm)    | 1 5/8" (49 mm)   | 1 3/4" (44 mm) |                |
| LJ-6A10                     | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 1/8" (54 mm)   | N/A            |                |
| LJ-6A10P1                   | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 1/8" (54 mm)   | 1 3/4" (44 mm) |                |
| LJ-6B10                     | 2 3/8" (59 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)   | N/A            |                |
| LJ-6B10P1                   | 2 3/8" (59 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)   | 1 3/4" (44 mm) |                |
| Shoerail and Fillet:        | Height           | Width             | Plow Width       |                |                |
| LJ-6006                     | 1" (25 mm)       | 3 1/4" (79 mm)    | 1 3/4" (44 mm)   |                |                |
| LJ-6007                     | 5/8" (16 mm)     | 1 3/4" (44 mm)    | N/A              |                |                |
| Balusters:                  | Top Block        | Turning Length    | Bottom Block     | Square Size    | Overall Length |
| 2105-34                     | 6 1/2" (165 mm)  | 19 1/2" (486 mm)  | 8 3/4" (213 mm)  | 1 3/4" (44 mm) | 34" (864 mm)   |
| 2105-38                     | 6 1/2" (165 mm)  | 19 1/2" (486 mm)  | 12 3/8" (314 mm) | 1 3/4" (44 mm) | 38" (965 mm)   |
| 2105-42                     | 6 1/2" (165 mm)  | 19 1/2" (486 mm)  | 16 3/8" (416 mm) | 1 3/4" (44 mm) | 42" (1067 mm)  |
| 2111-34                     | N/A              | 25 5/8" (651 mm)  | 8 3/4" (213 mm)  | 1 3/4" (44 mm) | 34" (864 mm)   |
| 2111-38                     | N/A              | 25 5/8" (651 mm)  | 12 3/8" (314 mm) | 1 3/4" (44 mm) | 38" (965 mm)   |
| 2111-42                     | N/A              | 25 5/8" (651 mm)  | 16 3/8" (416 mm) | 1 3/4" (44 mm) | 42" (1067 mm)  |
| 2115-34                     | N/A              | 25 7/8" (642 mm)  | 8 7/8" (214 mm)  | 1 3/4" (44 mm) | 34" (864 mm)   |
| 2115-38                     | N/A              | 25 7/8" (642 mm)  | 12 7/8" (316 mm) | 1 3/4" (44 mm) | 38" (965 mm)   |
| 2115-42                     | N/A              | 25 7/8" (642 mm)  | 16 7/8" (418 mm) | 1 3/4" (44 mm) | 42" (1067 mm)  |
| Newel Posts:                | Turning Length   | Bottom Block      | Square Size      | Overall Length |                |
| Utility Newels              |                  |                   |                  |                |                |
| 3310                        | 22 1/8" (581 mm) | 19 1/4" (486 mm)  | 3 1/2" (89 mm)   | 43" (1092 mm)  |                |
| 3314                        | 22 1/4" (581 mm) | 26 1/2" (664 mm)  | 3 1/2" (89 mm)   | 50" (1270 mm)  |                |
| Intermediate Landing Newels |                  |                   |                  |                |                |
| 3315                        | 22 1/8" (581 mm) | 34 1/8" (867 mm)  | 3 1/2" (89 mm)   | 58" (1473 mm)  |                |
| 3318                        | 22 1/8" (581 mm) | 49 1/8" (1248 mm) | 3 1/2" (89 mm)   | 73" (1854 mm)  |                |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts



LJF-3310  
LJF-3314  
LJF-3315  
LJF-3318

Fluted



LJP-3310  
LJP-3314  
LJP-3315  
LJP-3318

## Newel Drop



LJ-4299A

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Over the Post



Pictured: LJ-6210B Bending Handrail, LJP-3310 Utility Newel, LJ-2111 Balusters and LJ-7230 Left Hand Volute.

# LaSalle Collection

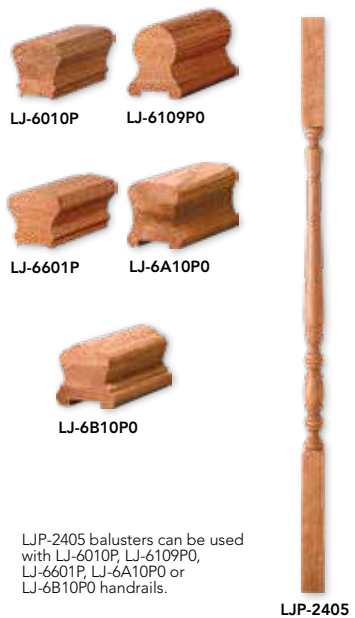
Over the Post

## Non-Plowed Handrails and Pin Top Balusters



LJP-2415 and LJ-2011 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

## Plowed Handrails and Square Top Balusters



LJP-2405 balusters can be used with LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.

## Shoerail & Fillet



Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

| Product Dimensions          |                  |                   |                   |                |                |
|-----------------------------|------------------|-------------------|-------------------|----------------|----------------|
| Handrails:                  | Height           | Profile Width     | Bottom Width      | Plow Width     |                |
| LJ-6010                     | 2 3/8" (60 mm)   | 2 1/4" (57 mm)    | 1 1/2" (38 mm)    | N/A            |                |
| LJ-6010P                    | 2 3/8" (60 mm)   | 2 1/4" (57 mm)    | 1 1/2" (38 mm)    | 1 1/4" (32 mm) |                |
| LJ-6109                     | 2 1/8" (73 mm)   | 1 1/4" (48 mm)    | 2 3/8" (60 mm)    | N/A            |                |
| LJ-6109P0                   | 2 1/8" (73 mm)   | 1 1/4" (48 mm)    | 2 3/8" (60 mm)    | 1 1/4" (32 mm) |                |
| LJ-6601                     | 2 1/4" (57 mm)   | 2 1/4" (57 mm)    | 1 1/2" (38 mm)    | N/A            |                |
| LJ-6601P                    | 2 1/4" (57 mm)   | 2 1/4" (57 mm)    | 1 1/2" (38 mm)    | 1 1/4" (32 mm) |                |
| LJ-6A10                     | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)    | N/A            |                |
| LJ-6A10P0                   | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)    | 1 1/4" (32 mm) |                |
| LJ-6B10                     | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)    | N/A            |                |
| LJ-6B10P0                   | 2 3/8" (60 mm)   | 2" (51 mm)        | 2 3/8" (60 mm)    | 1 1/4" (32 mm) |                |
| Shoerail and Fillet:        | Height           | Width             | Plow Width        |                |                |
| LJ-6045                     | 3/4" (19 mm)     | 2 1/2" (64 mm)    | 1 1/4" (32 mm)    |                |                |
| LJ-6050                     | 3/8" (10 mm)     | 1 1/4" (32 mm)    | N/A               |                |                |
| Balusters:                  | Top Block        | Turning Length    | Bottom Block      | Square Size    | Overall Length |
| 2011-34                     | N/A              | 25 9/16" (642 mm) | 8 7/16" (214 mm)  | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2011-38                     | N/A              | 25 9/16" (642 mm) | 12 7/16" (316 mm) | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2011-42                     | N/A              | 25 9/16" (642 mm) | 16 7/16" (418 mm) | 1 1/4" (32 mm) | 42" (1067 mm)  |
| 2405-34                     | 6 1/2" (165 mm)  | 19 1/8" (486 mm)  | 8 3/8" (213 mm)   | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2405-38                     | 6 1/2" (165 mm)  | 19 1/8" (486 mm)  | 12 3/8" (314 mm)  | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2405-42                     | 6 1/2" (165 mm)  | 19 1/8" (486 mm)  | 16 3/8" (416 mm)  | 1 1/4" (32 mm) | 42" (1067 mm)  |
| 2415-34                     | N/A              | 25 9/16" (642 mm) | 8 7/16" (214 mm)  | 1 1/4" (32 mm) | 34" (864 mm)   |
| 2415-38                     | N/A              | 25 9/16" (642 mm) | 12 7/16" (316 mm) | 1 1/4" (32 mm) | 38" (965 mm)   |
| 2415-42                     | N/A              | 25 9/16" (642 mm) | 16 7/16" (418 mm) | 1 1/4" (32 mm) | 42" (1067 mm)  |
| Newel Posts:                | Turning Length   | Bottom Block      | Square Size       | Overall Length |                |
| Utility Newels              |                  |                   |                   |                |                |
| 3210                        | 22 7/8" (581 mm) | 19 1/8" (486 mm)  | 3" (76 mm)        | 43" (1092 mm)  |                |
| 3214                        | 22 7/8" (581 mm) | 26 1/8" (664 mm)  | 3" (76 mm)        | 50" (1270 mm)  |                |
| Intermediate Landing Newels |                  |                   |                   |                |                |
| 3215                        | 22 7/8" (581 mm) | 34 1/8" (867 mm)  | 3" (76 mm)        | 58" (1473 mm)  |                |
| 3218                        | 22 7/8" (581 mm) | 49 1/8" (1248 mm) | 3" (76 mm)        | 73" (1854 mm)  |                |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts



LJF-3210  
LJF-3214  
LJF-3215  
LJF-3218

Fluted



LJP-3210  
LJP-3214  
LJP-3215  
LJP-3218

## Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Over the Post



Pictured Above: LJ-6A10 Handrail, LJP-3210 Newel Series LJP-2415 Balusters, LJ-7A31 Left Hand Climbing Volute and LJ-7A36 Right Hand Climbing Volute.

Pictured Left: LJ-6B10 Handrail, LJF-3210 Newel Series LJF-2115 Balusters and LJ-7B30 Left Hand Volute.

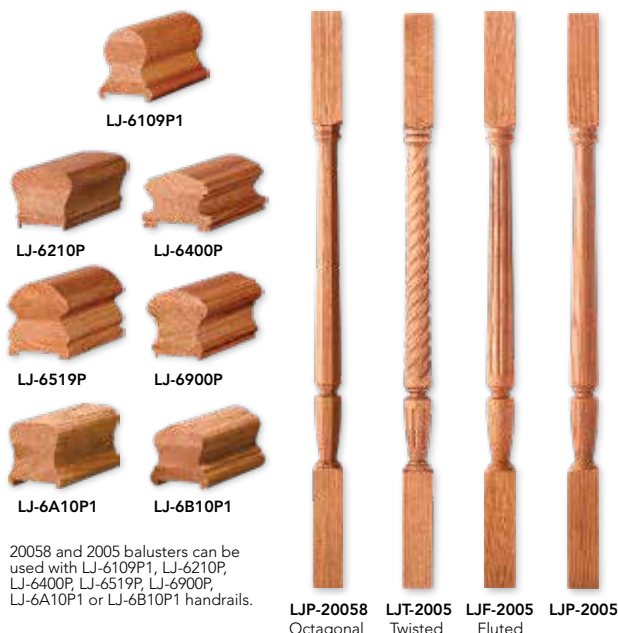
# Regent Collection

## Non-Plowed Handrails and Pin Top Balusters



20158 and 2015 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

## Plowed Handrails and Square Top Balusters



20058 and 2005 balusters can be used with LJ-6109P1, LJ-6210P, LJ-6400P, LJ-6519P, LJ-6900P, LJ-6A10P1 or LJ-6B10P1 handrails.

## Shoerail & Fillet



Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

## Product Dimensions

| Handrails:                  | Height         | Profile Width  | Bottom Width | Plow Width     |                |
|-----------------------------|----------------|----------------|--------------|----------------|----------------|
| LJ-6109                     | 2¼" (73 mm)    | 1½" (48 mm)    | 2¾" (80 mm)  | N/A            |                |
| LJ-6109P1                   | 2½" (73 mm)    | 1½" (48 mm)    | 2¾" (80 mm)  | 1¾" (44 mm)    |                |
| LJ-6210                     | 2¾" (80 mm)    | 2¾" (87 mm)    | 2" (51 mm)   | N/A            |                |
| LJ-6210P                    | 2¾" (80 mm)    | 2¾" (87 mm)    | 2" (51 mm)   | 1¾" (44 mm)    |                |
| LJ-6400                     | 2¼" (57 mm)    | 2¾" (70 mm)    | 3" (76 mm)   | N/A            |                |
| LJ-6400P                    | 2¼" (57 mm)    | 2¾" (70 mm)    | 3" (76 mm)   | 1¾" (44 mm)    |                |
| LJ-6519                     | 3" (76 mm)     | 2¾" (87 mm)    | 2¾" (87 mm)  | N/A            |                |
| LJ-6519P                    | 3" (76 mm)     | 2¾" (87 mm)    | 2¾" (87 mm)  | 1¾" (44 mm)    |                |
| LJ-6701                     | 2¼" (54 mm)    | 2¾" (70 mm)    | 1¾" (41 mm)  | N/A            |                |
| LJ-6900                     | 2¾" (70 mm)    | 2¾" (87 mm)    | 1¾" (49 mm)  | N/A            |                |
| LJ-6900P                    | 2¾" (70 mm)    | 2¾" (87 mm)    | 1¾" (49 mm)  | 1¾" (44 mm)    |                |
| LJ-6A10                     | 2¾" (80 mm)    | 2" (51 mm)     | 2½" (54 mm)  | N/A            |                |
| LJ-6A10P1                   | 2¾" (80 mm)    | 2" (51 mm)     | 2½" (54 mm)  | 1¾" (44 mm)    |                |
| LJ-6B10                     | 2¾" (59 mm)    | 2" (51 mm)     | 2¾" (60 mm)  | N/A            |                |
| LJ-6B10P1                   | 2¾" (59 mm)    | 2" (51 mm)     | 2¾" (60 mm)  | 1¾" (44 mm)    |                |
| Shoerail and Fillet:        | Height         | Width          | Plow Width   |                |                |
| LJ-6006                     | 1" (25 mm)     | 3½" (73 mm)    | 1¾" (44 mm)  |                |                |
| LJ-6007                     | ¾" (8 mm)      | 1¾" (44 mm)    | N/A          |                |                |
| Balusters:                  | Top Block      | Turning Length | Bottom Block | Square Size    | Overall Length |
| 2005(8)-34                  | 7" (178 mm)    | 20" (508 mm)   | 7" (178 mm)  | 1¾" (44 mm)    | 34" (864 mm)   |
| 2005(8)-38                  | 7" (178 mm)    | 20" (508 mm)   | 11" (279 mm) | 1¾" (44 mm)    | 38" (965 mm)   |
| 2005(8)-42                  | 7" (178 mm)    | 20" (508 mm)   | 15" (381 mm) | 1¾" (44 mm)    | 42" (1067 mm)  |
| 2015(8)-34                  | N/A            | 28" (711 mm)   | 6" (152 mm)  | 1¾" (44 mm)    | 34" (864 mm)   |
| 2015(8)-38                  | N/A            | 28" (711 mm)   | 10" (254 mm) | 1¾" (44 mm)    | 38" (965 mm)   |
| 2015(8)-42                  | N/A            | 28" (711 mm)   | 14" (356 mm) | 1¾" (44 mm)    | 42" (1067 mm)  |
| Newel Posts:                | Turning Length | Bottom Block   | Square Size  | Overall Length |                |
| Utility Newels              |                |                |              |                |                |
| 3010(8)                     | 27" (686 mm)   | 15" (381 mm)   | 3½" (89 mm)  | 43" (1092 mm)  |                |
| 3014(8)                     | 27" (686 mm)   | 22" (559 mm)   | 3½" (89 mm)  | 50" (1270 mm)  |                |
| Intermediate Landing Newels |                |                |              |                |                |
| 3015(8)                     | 27" (686 mm)   | 30" (762 mm)   | 3½" (89 mm)  | 58" (1473 mm)  |                |
| 3018(8)                     | 27" (686 mm)   | 45" (1143 mm)  | 3½" (89 mm)  | 73" (1854 mm)  |                |

\* Length is from the top of the bottom block to the top of the baluster





## Newel Posts



LJP-30108  
LJP-30148  
LJP-30158  
LJP-30188

Octagonal



LJT-3010  
LJT-3014  
LJT-3015  
LJT-3018

Twisted



LJF-3010  
LJF-3014  
LJF-3015  
LJF-3018

Fluted



LJP-3010  
LJP-3014  
LJP-3015  
LJP-3018

### Newel Drop



LJ-4299A

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Over the Post

Pictured Left: LJ-6400 Handrail, LJP-30108 Utility Newels, LJP-20158 Balusters, LJ-7430 Left Hand Volute and LJ-7435 Right Hand Volute.

Pictured Below: LJ-6210B Bending Handrail and LJP-2015 Balusters.



Pictured Above: LJ-6400P Handrail, LJF-3010 Utility Newel, LJF-2005 Balusters, LJ-7430 Left Hand Volute and LJ-7411 Quarterturn.

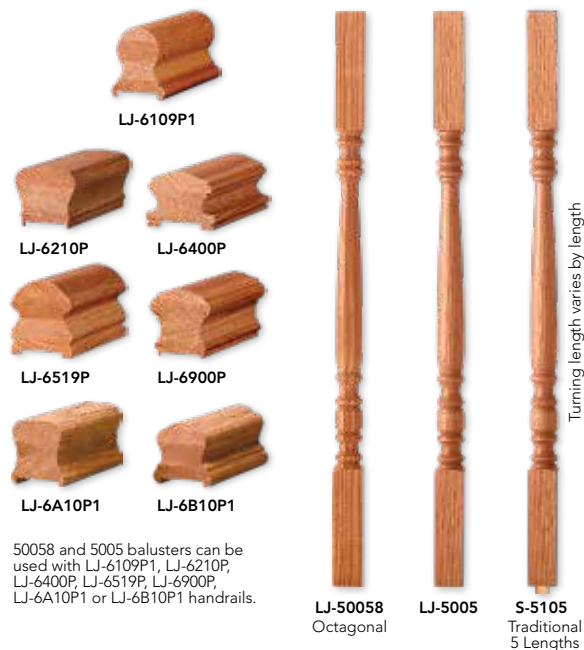
# Harmony Collection

## Non-Plowed Handrails and Pin Top Balusters



## Plowed Handrails and Square Top Balusters

### Shoerail & Fillet



"LJ-" series balusters are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. The balusters can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately). "S-" series balusters have a turned bottom pin.

### Product Dimensions

| Handrails:           | Height       | Profile Width  | Bottom Width | Plow Width  |                |
|----------------------|--------------|----------------|--------------|-------------|----------------|
| LJ-6109              | 2¼" (73 mm)  | 1¼" (48 mm)    | 2⅜" (60 mm)  | N/A         |                |
| LJ-6109P1            | 2¼" (73 mm)  | 1¼" (48 mm)    | 2⅜" (60 mm)  | 1¼" (44 mm) |                |
| LJ-6210              | 2¾" (60 mm)  | 2¾" (67 mm)    | 2" (51 mm)   | N/A         |                |
| LJ-6210P             | 2¾" (60 mm)  | 2¾" (67 mm)    | 2" (51 mm)   | 1¾" (44 mm) |                |
| LJ-6400              | 2¼" (57 mm)  | 2¾" (70 mm)    | 3" (76 mm)   | N/A         |                |
| LJ-6400P             | 2¼" (57 mm)  | 2¾" (70 mm)    | 3" (76 mm)   | 1¾" (44 mm) |                |
| LJ-6519              | 3" (76 mm)   | 2¾" (67 mm)    | 2¾" (67 mm)  | N/A         |                |
| LJ-6519P             | 3" (76 mm)   | 2¾" (67 mm)    | 2¾" (67 mm)  | 1¾" (44 mm) |                |
| LJ-6701              | 2¼" (54 mm)  | 2¾" (70 mm)    | 1¾" (41 mm)  | N/A         |                |
| LJ-6900              | 2¾" (70 mm)  | 2¾" (67 mm)    | 1⅞" (49 mm)  | N/A         |                |
| LJ-6900P             | 2¾" (70 mm)  | 2¾" (67 mm)    | 1⅞" (49 mm)  | 1¾" (44 mm) |                |
| LJ-6A10              | 2" (51 mm)   | 2" (51 mm)     | 2⅝" (54 mm)  | N/A         |                |
| LJ-6A10P1            | 2¾" (60 mm)  | 2" (51 mm)     | 2⅝" (54 mm)  | 1¾" (44 mm) |                |
| LJ-6B10              | 2⅞" (69 mm)  | 2" (51 mm)     | 2¾" (60 mm)  | N/A         |                |
| LJ-6B10P1            | 2⅞" (69 mm)  | 2" (51 mm)     | 2¾" (60 mm)  | 1¾" (44 mm) |                |
| Shoerail and Fillet: | Height       | Width          | Plow Width   |             |                |
| LJ-6006              | 1" (25 mm)   | 3⅝" (79 mm)    | 1¾" (44 mm)  |             |                |
| LJ-6007              | ¾" (8 mm)    | 1¾" (44 mm)    | N/A          |             |                |
| Balusters:           | Top Block    | Turning Length | Bottom Block | Square Size | Overall Length |
| LJ-5005ND-31†        | 5⅝" (148 mm) | 16⅝" (422 mm)  | 8½" (216 mm) | 1¾" (44 mm) | 31" (787 mm)   |
| LJ-5005(8)-34        | 7" (178 mm)  | 20" (508 mm)   | 7" (178 mm)  | 1¾" (44 mm) | 34" (864 mm)   |
| LJ-5005(8)-38        | 7" (178 mm)  | 20" (508 mm)   | 11" (279 mm) | 1¾" (44 mm) | 38" (965 mm)   |
| LJ-5005(8)-42        | 7" (178 mm)  | 20" (508 mm)   | 15" (381 mm) | 1¾" (44 mm) | 42" (1067 mm)  |
| S-5105-31            | 5⅝" (148 mm) | 16⅝" (422 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 31" (787 mm)   |
| S-5105-34            | 5⅝" (148 mm) | 19⅝" (498 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 34" (864 mm)   |
| S-5105-36            | 5⅝" (148 mm) | 21⅝" (549 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 36" (914 mm)   |
| S-5105-39            | 5⅝" (148 mm) | 24⅝" (625 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 39" (991 mm)   |
| S-5105-42            | 8⅝" (206 mm) | 25⅝" (645 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 42" (1067 mm)  |
| LJ-5300(8)-34        | N/A          | 27" (686 mm)   | 7" (178 mm)  | 1¾" (44 mm) | 34" (864 mm)   |
| LJ-5300(8)-38        | N/A          | 27" (686 mm)   | 11" (279 mm) | 1¾" (44 mm) | 38" (965 mm)   |
| LJ-5300(8)-42        | N/A          | 27" (686 mm)   | 15" (381 mm) | 1¾" (44 mm) | 42" (1067 mm)  |
| S-5300-31            | N/A          | 22½" (572 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 31" (787 mm)   |
| S-5300-34            | N/A          | 25½" (648 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 34" (864 mm)   |
| S-5300-36            | N/A          | 27½" (698 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 36" (914 mm)   |
| S-5300-39            | N/A          | 30½" (775 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 39" (991 mm)   |
| S-5300-42            | N/A          | 33½" (851 mm)  | 7¾" (197 mm) | 1¾" (44 mm) | 42" (1067 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

† This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin E-Z.

### Product Dimensions

| Newel Posts:                       | Turning Length     | Bottom Block      | Square Size    | Overall Length |
|------------------------------------|--------------------|-------------------|----------------|----------------|
| <b>Utility Newels</b>              |                    |                   |                |                |
| LJ-4270(8)                         | 27" (686 mm)       | 15" (381 mm)      | 3 1/4" (83 mm) | 43" (1092 mm)  |
| LJ-4274(8)                         | 27" (686 mm)       | 22" (559 mm)      | 3 1/4" (83 mm) | 50" (1270 mm)  |
| <b>Intermediate Landing Newels</b> |                    |                   |                |                |
| LJ-4275(8)                         | 27" (686 mm)       | 30" (762 mm)      | 3 1/4" (83 mm) | 58" (1473 mm)  |
| LJ-4278(8)                         | 27" (686 mm)       | 45" (1143 mm)     | 3 1/4" (83 mm) | 73" (1854 mm)  |
| <b>Rake Newel</b>                  |                    |                   |                |                |
| LJ-3513PT                          | 27 13/16" (706 mm) | 20 3/16" (513 mm) | 3" (76 mm)     | 48" (1219 mm)  |





## Newel Posts



LJ-42708  
LJ-42748  
LJ-42758  
LJ-42788

Octagonal



LJ-4270  
LJ-4274  
LJ-4275  
LJ-4278



LJ-3513PT

## Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Over the Post

Pictured Below: LJ-6400P Handrail, LJ-4270 Newels, LJ-5005 Balusters, LJ-7431 Left Hand Climbing Volute and LJ-7436 Right Hand Climbing Volute.

Pictured Right: LJ-6400 Handrail, LJ-42708 Newel Series, LJ-53008 Balusters LJ-7430 Left Hand Volute and LJ-7435 Right Hand Volute.



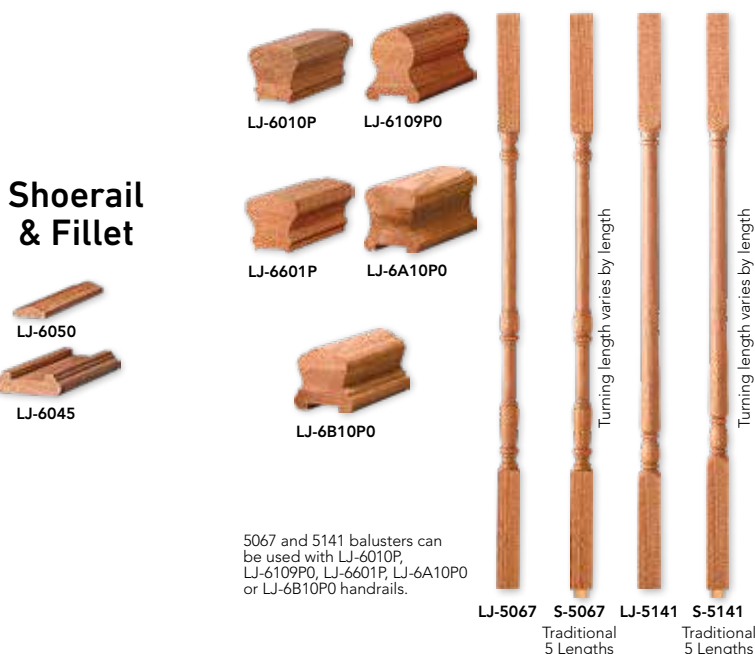
# Cornerstone Collection

## Non-Plowed Handrails and Pin Top Balusters



5015, LJ-5035 and 5040 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

## Plowed Handrails and Square Top Balusters



5067 and 5141 balusters can be used with LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.

## Shoerail & Fillet



"LJ-" series balusters are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. The balusters can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately). "S-" series balusters have a turned bottom pin.

### Product Dimensions

| Handrails: | Height         | Profile Width  | Bottom Width   | Plow Width     |
|------------|----------------|----------------|----------------|----------------|
| LJ-6010    | 2 1/4" (60 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6010P   | 2 1/4" (60 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6109    | 2 1/4" (73 mm) | 1 1/4" (48 mm) | 2 3/4" (60 mm) | N/A            |
| LJ-6109P0  | 2 1/4" (73 mm) | 1 1/4" (48 mm) | 2 3/4" (60 mm) | 1 1/4" (32 mm) |
| LJ-6601    | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | N/A            |
| LJ-6601P   | 2 1/4" (57 mm) | 2 1/4" (57 mm) | 1 1/2" (38 mm) | 1 1/4" (32 mm) |
| LJ-6A10    | 2 1/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm) | N/A            |
| LJ-6A10P0  | 2 1/4" (60 mm) | 2" (51 mm)     | 2 1/4" (54 mm) | 1 1/4" (32 mm) |
| LJ-6B10    | 2 1/4" (59 mm) | 2" (51 mm)     | 2 1/4" (60 mm) | N/A            |
| LJ-6B10P0  | 2 1/4" (59 mm) | 2" (51 mm)     | 2 1/4" (60 mm) | 1 1/4" (32 mm) |

| Shoerail and Fillet: | Height       | Width          | Plow Width     |
|----------------------|--------------|----------------|----------------|
| LJ-6045              | 3/4" (19 mm) | 2 1/2" (64 mm) | 1 1/4" (32 mm) |
| LJ-6050              | 3/4" (19 mm) | 1 1/4" (32 mm) | N/A            |

| Balusters:    | Top Block       | Turning Length    | Bottom Block    | Square Size          | Overall Length |
|---------------|-----------------|-------------------|-----------------|----------------------|----------------|
| LJ-5015ND-31‡ | N/A             | 22 5/8" (575 mm)  | 8 5/8" (213 mm) | 1 1/2" (32 mm)       | 31" (787 mm)   |
| LJ-5015-34    | N/A             | 28" (711 mm)      | 6" (152 mm)     | 1 1/2" (32 mm)       | 34" (864 mm)   |
| LJ-5015-38    | N/A             | 28" (711 mm)      | 10" (254 mm)    | 1 1/2" (32 mm)       | 38" (965 mm)   |
| LJ-5015-42    | N/A             | 28" (711 mm)      | 14" (356 mm)    | 1 1/2" (32 mm)       | 42" (1067 mm)  |
| S-5015-31     | N/A             | 22 5/8" (575 mm)  | 7 5/8" (193 mm) | 1 1/2" (32 mm)       | 31" (787 mm)   |
| S-5015-34     | N/A             | 25 5/8" (651 mm)  | 7 5/8" (193 mm) | 1 1/2" (32 mm)       | 34" (864 mm)   |
| S-5015-36     | N/A             | 27 5/8" (702 mm)  | 7 5/8" (193 mm) | 1 1/2" (32 mm)       | 36" (914 mm)   |
| S-5015-39     | N/A             | 30 5/8" (778 mm)  | 7 5/8" (193 mm) | 1 1/2" (32 mm)       | 39" (990 mm)   |
| S-5015-42     | N/A             | 33 5/8" (854 mm)  | 7 5/8" (193 mm) | 1 1/2" (32 mm)       | 42" (1067 mm)  |
| LJ-5035-34    | N/A             | 28" (711 mm)      | 6" (152 mm)     | 1 1/2" (32 mm)       | 34" (864 mm)   |
| LJ-5035-38    | N/A             | 28" (711 mm)      | 10" (254 mm)    | 1 1/2" (32 mm)       | 38" (965 mm)   |
| LJ-5035-42    | N/A             | 28" (711 mm)      | 14" (356 mm)    | 1 1/2" (32 mm)       | 42" (1067 mm)  |
| LJ-5040-34    | N/A             | 34" (864 mm)      | N/A             | 1 1/2" Diam. (29 mm) | 34" (864 mm)   |
| LJ-5040-38    | N/A             | 38" (965 mm)      | N/A             | 1 1/2" Diam. (29 mm) | 38" (965 mm)   |
| LJ-5040-42    | N/A             | 42" (1067 mm)     | N/A             | 1 1/2" Diam. (29 mm) | 42" (1067 mm)  |
| S-5040-31     | N/A             | 30 3/4" (768 mm)  | N/A             | 1 1/2" Diam. (29 mm) | 31" (787 mm)   |
| S-5040-34     | N/A             | 33 1/4" (845 mm)  | N/A             | 1 1/2" Diam. (29 mm) | 34" (864 mm)   |
| S-5040-36     | N/A             | 35 1/4" (895 mm)  | N/A             | 1 1/2" Diam. (29 mm) | 36" (914 mm)   |
| S-5040-39     | N/A             | 38 1/4" (972 mm)  | N/A             | 1 1/2" Diam. (29 mm) | 39" (990 mm)   |
| S-5040-42     | N/A             | 41 1/4" (1048 mm) | N/A             | 1 1/2" Diam. (29 mm) | 42" (1067 mm)  |
| LJ-5067-34    | 7" (178 mm)     | 20" (508 mm)      | 7" (178 mm)     | 1 1/2" (32 mm)       | 34" (864 mm)   |
| LJ-5067-38    | 7" (178 mm)     | 20" (508 mm)      | 11" (279 mm)    | 1 1/2" (32 mm)       | 38" (965 mm)   |
| LJ-5067-42    | 7" (178 mm)     | 20" (508 mm)      | 15" (381 mm)    | 1 1/2" (32 mm)       | 42" (1067 mm)  |
| S-5067-31     | 5 1/4" (133 mm) | 19 1/4" (486 mm)  | 5 1/4" (149 mm) | 1 1/2" (32 mm)       | 31" (787 mm)   |
| S-5067-34     | 5 1/4" (149 mm) | 21 1/2" (548 mm)  | 5 1/4" (149 mm) | 1 1/2" (32 mm)       | 34" (864 mm)   |
| S-5067-36     | 5 1/4" (136 mm) | 24" (610 mm)      | 5 1/4" (149 mm) | 1 1/2" (32 mm)       | 36" (914 mm)   |
| S-5067-39     | 5 1/4" (133 mm) | 27 1/4" (689 mm)  | 5 1/4" (149 mm) | 1 1/2" (32 mm)       | 39" (990 mm)   |
| S-5067-42     | 7 1/4" (194 mm) | 27 3/4" (705 mm)  | 5 1/4" (149 mm) | 1 1/2" (32 mm)       | 42" (1067 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

### Product Dimensions

| Balusters:    | Top Block       | Turning Length   | Bottom Block    | Square Size    | Overall Length |
|---------------|-----------------|------------------|-----------------|----------------|----------------|
| LJ-5141ND-31‡ | 5 1/4" (133 mm) | 16 3/4" (425 mm) | 9" (229 mm)     | 1 1/4" (32 mm) | 31" (787 mm)   |
| LJ-5141-34    | 7" (178 mm)     | 20" (508 mm)     | 7" (178 mm)     | 1 1/4" (32 mm) | 34" (864 mm)   |
| LJ-5141-38    | 7" (178 mm)     | 20" (508 mm)     | 11" (279 mm)    | 1 1/4" (32 mm) | 38" (965 mm)   |
| LJ-5141-42    | 7" (178 mm)     | 20" (508 mm)     | 15" (381 mm)    | 1 1/4" (32 mm) | 42" (1067 mm)  |
| S-5141-31     | 5 1/4" (133 mm) | 16 3/4" (425 mm) | 8 1/4" (210 mm) | 1 1/4" (32 mm) | 31" (787 mm)   |
| S-5141-34     | 6 1/4" (159 mm) | 18 3/4" (476 mm) | 8 1/4" (210 mm) | 1 1/4" (32 mm) | 34" (864 mm)   |
| S-5141-36     | 6 1/4" (159 mm) | 20 3/4" (527 mm) | 8 1/4" (210 mm) | 1 1/4" (32 mm) | 36" (914 mm)   |
| S-5141-39     | 6 1/4" (159 mm) | 23 3/4" (603 mm) | 8 1/4" (210 mm) | 1 1/4" (32 mm) | 39" (990 mm)   |
| S-5141-42     | 6 1/4" (159 mm) | 26 3/4" (679 mm) | 8 1/4" (210 mm) | 1 1/4" (32 mm) | 42" (1067 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

| Newel Posts:                | Turning Length | Bottom Block               | Square Size    | Overall Length |
|-----------------------------|----------------|----------------------------|----------------|----------------|
| Starting Newels             |                |                            |                |                |
| LJ-4050                     | 27" (686 mm)   | 15" (381 mm) turned bottom | 2 1/4" (57 mm) | 43" (1092 mm)  |
| LJ-4060                     | 27" (686 mm)   | 15" (381 mm) turned bottom | 2 3/4" (70 mm) | 43" (1092 mm)  |
| Utility Newels              |                |                            |                |                |
| LJ-4010                     | 27" (686 mm)   | 15" (381 mm)               | 3" (76 mm)     | 43" (1092 mm)  |
| LJ-4014                     | 27" (686 mm)   | 22" (559 mm)               | 3" (76 mm)     | 50" (1270 mm)  |
| Intermediate Landing Newels |                |                            |                |                |
| LJ-4015                     | 27" (686 mm)   | 30" (762 mm)               | 3" (76 mm)     | 58" (1473 mm)  |
| LJ-4017                     | 27" (686 mm)   | 37" (940 mm)               | 3" (76 mm)     | 65" (1651 mm)  |
| LJ-4018                     | 27" (686 mm)   | 45" (1143 mm)              | 3" (76 mm)     | 73" (1854 mm)  |
| Rake Newel                  |                |                            |                |                |
| LJ-4013PT                   | 27" (686 mm)   | 16" (406 mm)               | 3" (76 mm)     | 43" (1092 mm)  |

† Diameter dimension

Pictured Right: LJ-6010 Handrail, LJ-4010 Newel, LJ-5015 Balusters and LJ-7030 Left Hand Volute.

Pictured Far Right: LJ-6010 Handrail, LJ-4010 Newels, LJ-5015 Balusters LJ-7030 Left Hand Volute and LJ-7035 Right Hand Volute.



## Newel Posts



LJ-4010  
LJ-4014  
LJ-4015  
LJ-4017  
LJ-4018



LJ-4013PT



LJ-4050  
Turned  
Bottom



LJ-4060  
Turned  
Bottom

## Newel Drop



LJ-4299A

Consider iron newels for your stairway from our Iron Collection on page 66

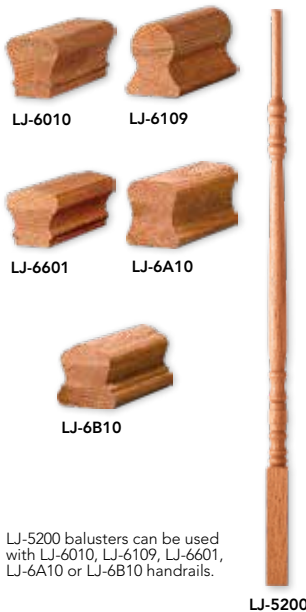
Iron Newels

Over the Post



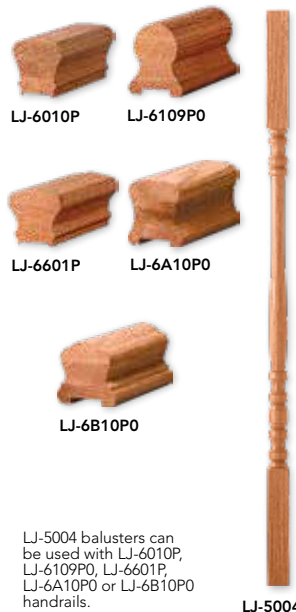
# Classic Collection

## Non-Plowed Handrails and Pin Top Balusters



LJ-5200 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

## Plowed Handrails and Square Top Balusters



LJ-5004 balusters can be used with LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 handrails.

## Shoerail & Fillet



## Newel Posts



## Newel Drop

Consider iron newels for your stairway from our Iron Collection on page 66

Iron Newels

Balusters on this page are pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 83 (sold separately).

## Product Dimensions

| Handrails:                  | Height         |                | Profile Width | Bottom Width | Plow Width     |
|-----------------------------|----------------|----------------|---------------|--------------|----------------|
| LJ-6010                     | 2½" (60 mm)    |                | 2¼" (57 mm)   | 1½" (38 mm)  | N/A            |
| LJ-6010P                    | 2½" (60 mm)    |                | 2¼" (57 mm)   | 1½" (38 mm)  | 1¼" (32 mm)    |
| LJ-6109                     | 2⅜" (73 mm)    |                | 1⅝" (48 mm)   | 2⅜" (60 mm)  | N/A            |
| LJ-6109P0                   | 2⅜" (73 mm)    |                | 1⅝" (48 mm)   | 2⅜" (60 mm)  | 1¼" (32 mm)    |
| LJ-6601                     | 2¼" (57 mm)    |                | 2¼" (57 mm)   | 1½" (38 mm)  | N/A            |
| LJ-6601P                    | 2¼" (57 mm)    |                | 2¼" (57 mm)   | 1½" (38 mm)  | 1¼" (32 mm)    |
| LJ-6A10                     | 2⅝" (60 mm)    |                | 2" (51 mm)    | 2¼" (54 mm)  | N/A            |
| LJ-6A10P0                   | 2⅝" (60 mm)    |                | 2" (51 mm)    | 2⅜" (54 mm)  | 1¼" (32 mm)    |
| LJ-6B10                     | 2⅜" (59 mm)    |                | 2" (51 mm)    | 2¼" (60 mm)  | N/A            |
| LJ-6B10P0                   | 2⅜" (59 mm)    |                | 2" (51 mm)    | 2⅜" (60 mm)  | 1¼" (32 mm)    |
| Shoerail and Fillet:        | Height         |                | Width         |              | Plow Width     |
| LJ-6045                     | ¾" (19 mm)     |                | 2½" (64 mm)   |              | 1¼" (32 mm)    |
| LJ-6050                     | ¾" (19 mm)     |                | 1¼" (32 mm)   |              | N/A            |
| Balusters:                  | Top Block      | Turning Length | Bottom Block  | Square Size  | Overall Length |
| LJ-5004ND-31½"              | 5⅝" (149 mm)   | 16⅝" (422 mm)  | 8½" (216 mm)  | 1¼" (32 mm)  | 31" (787 mm)   |
| LJ-5004-34                  | 7" (178 mm)    | 20" (508 mm)   | 7" (178 mm)   | 1¼" (32 mm)  | 34" (864 mm)   |
| LJ-5004-38                  | 7" (178 mm)    | 20" (508 mm)   | 11" (279 mm)  | 1¼" (32 mm)  | 38" (965 mm)   |
| LJ-5004-42                  | 7" (178 mm)    | 20" (508 mm)   | 15" (381 mm)  | 1¼" (32 mm)  | 42" (1067 mm)  |
| LJ-5200-34                  | N/A            | 27⅝" (686 mm)  | 7" (178 mm)   | 1¼" (32 mm)  | 34" (864 mm)   |
| LJ-5200-38                  | N/A            | 27⅝" (686 mm)  | 11" (279 mm)  | 1¼" (32 mm)  | 38" (965 mm)   |
| LJ-5200-42                  | N/A            | 27⅝" (686 mm)  | 15" (381 mm)  | 1¼" (32 mm)  | 42" (1067 mm)  |
| Newel Posts:                | Turning Length |                | Bottom Block  | Square Size  | Overall Length |
| Utility Newels              |                |                |               |              |                |
| LJ-3270                     | 27" (686 mm)   |                | 15" (381 mm)  | 3" (76 mm)   | 43" (1092 mm)  |
| LJ-3274                     | 27" (686 mm)   |                | 22" (559 mm)  | 3" (76 mm)   | 50" (1270 mm)  |
| Intermediate Landing Newels |                |                |               |              |                |
| LJ-3275                     | 27" (686 mm)   |                | 30" (762 mm)  | 3" (76 mm)   | 58" (1473 mm)  |
| LJ-3278                     | 27" (686 mm)   |                | 45" (1143 mm) | 3" (76mm)    | 73" (1854 mm)  |
| Rake Newel                  |                |                |               |              |                |
| LJ-3513PT                   | 27⅜" (706 mm)  |                | 20⅝" (513 mm) | 3" (76 mm)   | 48" (1219 mm)  |

\* Length is from the top of the bottom block to the top of the baluster

† 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin EZ.





# Iron Collections

L.J. Smith's Ornamental Iron Collection offers an extensive assortment of popular styles. Our balusters are constructed from "mild" steel, making them very durable and much stronger than wrought iron versions. Each and every baluster is hand made, which means no two are exactly alike. The slight variations in the details add exceptional character to any stairway. The finishes on our iron products may vary and all components are for interior use only.

## Iron Baluster Options



Solid  
Square



Hollow  
Square



Hollow  
Round

## Iron Line Finishes



Matte Nickel  
(MN)



Low Sheen Black  
(LSB)



Oil Rubbed  
Bronze  
(ORB)



Oil Rubbed  
Copper  
(ORC)



Antique  
Bronze  
(ABZ)



Silver Vein  
(SV)

**NOTE:** *Finishes may vary*



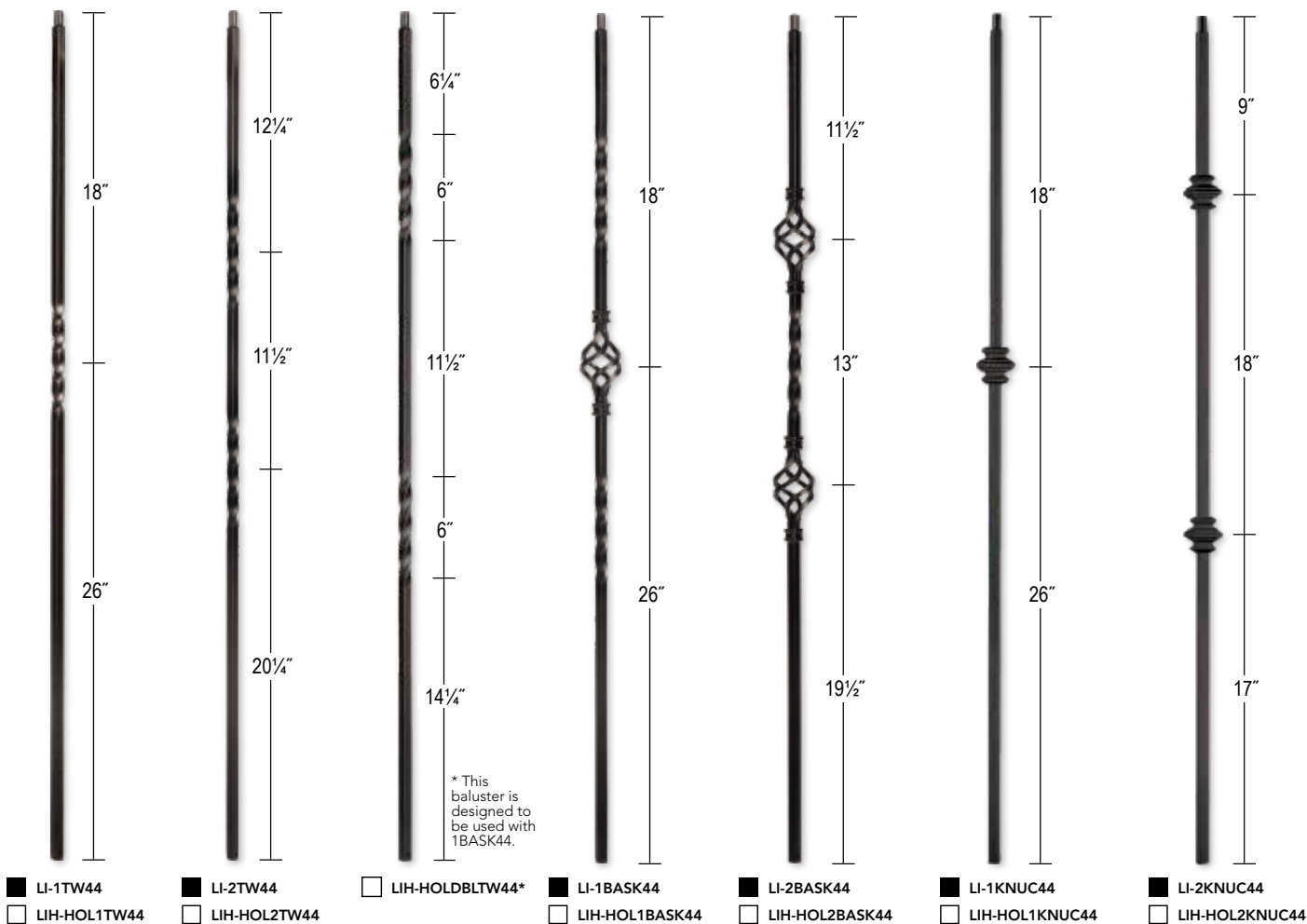
Post to Post

Over the Post



# Horizon Collection - 1/2"

Over the Post  
Post to Post



| Item Number | Low Sheen Black (LSB)               | Matte Nickel (MN)                   | Silver Vein (SV)                    | Antique Bronze (ABZ)                | Oil Rubbed Copper (ORC)             | Oil Rubbed Bronze (ORB)             |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1TW44       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 2TW44       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| DBLTW44     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 1BASK44     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 2BASK44     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 1KNUC44     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 2KNUC44     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| LI-ALFSH01  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-M06      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| LI-ALM06    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-PSH02    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| LI-ALPSH02  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALSCR05  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

See page 56 for finish samples. NOTE: Finishes may vary.

All shoes and fasteners shown below and to the right are compatible with the 1/2" SQUARE balusters on these two pages.

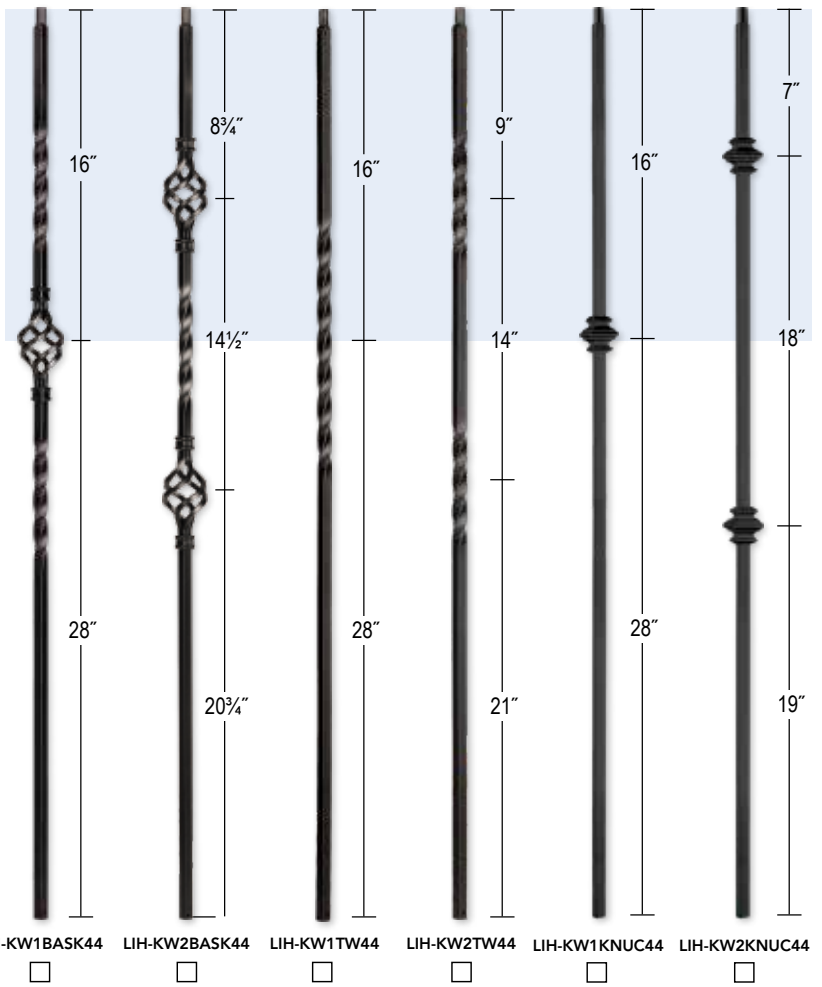






### KNEEWALL STAIR Balusters

The balusters shown in this box are specially designed for Kneewall stairs. The measurement from the top of the baluster to the middle of the center detail is 16" for each style.



| Item Number   | Low Sheen Black (LSB)               | Matte Nickel (MN)                   | Silver Vein (SV)         | Antique Bronze (ABZ)     | Oil Rubbed Copper (ORC)             | Oil Rubbed Bronze (ORB)             |
|---------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| PLA44         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| LIH-KW1BASK44 | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LIH-KW2BASK44 | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LIH-KW1TW44   | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LIH-KW2TW44   | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LIH-KW1KNUC44 | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LIH-KW2KNUC44 | <input type="checkbox"/>            |                                     |                          |                          | <input type="checkbox"/>            |                                     |
| LI-ALAK01     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALAK02     | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALAK03     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALAK04     | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALAK05     | <input checked="" type="checkbox"/> |                                     |                          |                          |                                     | <input checked="" type="checkbox"/> |
| LI-ALRD201    | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-ALSQ301    | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-PROCOL     | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-PROLVL     | <input checked="" type="checkbox"/> |                                     |                          |                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LI-PROKNE     | <input checked="" type="checkbox"/> |                                     |                          |                          |                                     |                                     |

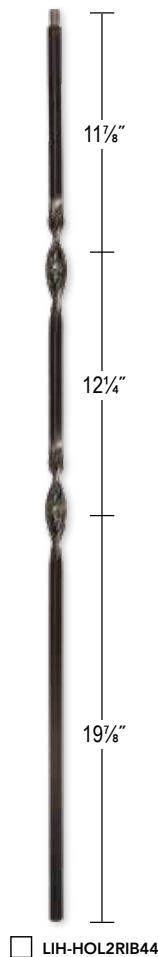


# Ribbon Collection - 1/2"

Post to Post  
Over the Post



☐ LIH-HOL1RIB44



☐ LIH-HOL2RIB44



☐ LIH-HOL19044



☐ LIH-HOL20044



☐ LIH-HOL8044



☐ LIH-HOL8544

| Item Number   | Low Sheen Black (LSB)    | Oil Rubbed Copper (ORC) | Oil Rubbed Bronze (ORB) |
|---------------|--------------------------|-------------------------|-------------------------|
| LIH-HOL1RIB44 | <input type="checkbox"/> |                         |                         |
| LIH-HOL2RIB44 | <input type="checkbox"/> |                         |                         |
| LIH-HOL19044  | <input type="checkbox"/> |                         |                         |
| LIH-HOL20044  | <input type="checkbox"/> |                         |                         |
| LIH-HOL8044   | <input type="checkbox"/> |                         |                         |
| LIH-HOL8544   | <input type="checkbox"/> |                         |                         |
| LI-ALFSH01    | ✓                        | ✓                       | ✓                       |
| LI-ALSCR05    | ✓                        | ✓                       | ✓                       |
| LI-ALRD201    | ✓                        | ✓                       | ✓                       |
| LI-ALSQ301    | ✓                        | ✓                       | ✓                       |

See page 56 for finish samples. NOTE: Finishes may vary.

All shoes and fasteners shown below are compatible with the 1/2" SQUARE balusters on these two pages.



**LI-ALFSH01**  
No Set Screw  
Aluminum



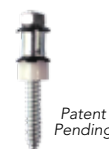
**LI-ALSCR05**  
Screw Down  
Aluminum



**LI-ALRD201**  
No Set Screw  
Aluminum



**LI-ALSQ301**  
No Set Screw  
Aluminum



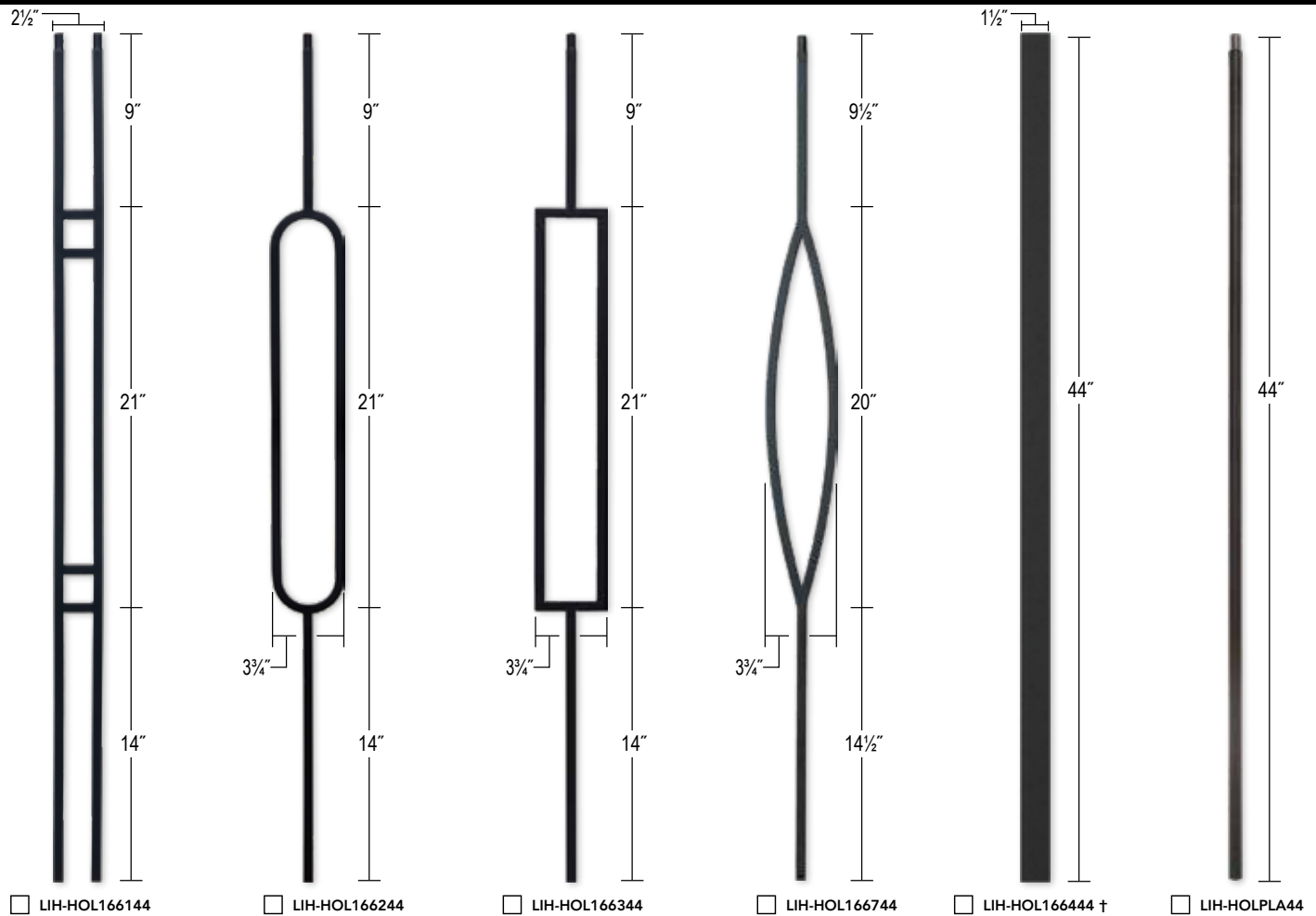
**LIH-HOL1/2CONCEAL**  
Concealed Fastener for Open  
Stairs, Kneewall Stairs & Level Runs



**LIH-HOLINSERTW/SCREW**  
Concealed Installation Kit for  
Open Stairs & Level Runs



# Contempo Collection - 1/2"



Post to Post  
Over the Post

| Item Number   | Low Sheen Black (LSB)    | Matte Nickel (MN)        | Oil Rubbed Copper (ORC)  | Oil Rubbed Bronze (ORB)  |
|---------------|--------------------------|--------------------------|--------------------------|--------------------------|
| LIH-HOL166144 | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |
| LIH-HOL166244 | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |
| LIH-HOL166344 | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |
| LIH-HOL166444 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                          |
| LIH-HOL166744 | <input type="checkbox"/> |                          |                          |                          |
| LIH-HOLPLA44  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LI-ALM06      | ✓                        | ✓                        | ✓                        | ✓                        |
| LI-ALPSH02    | ✓                        | ✓                        | ✓                        | ✓                        |
| LI-PROCOL     | ✓                        |                          | ✓                        | ✓                        |
| LI-PROLVL     | ✓                        |                          |                          |                          |
| LI-PROKNE     | ✓                        |                          |                          |                          |
| LI-ALSQPL1    | ✓                        | ✓                        | ✓                        | ✓                        |
| LI-ALSQPL2    | ✓                        | ✓                        | ✓                        | ✓                        |
| LI-ALRCPL1    | ✓                        | ✓                        | ✓                        |                          |
| LI-ALRCPL2    | ✓                        | ✓                        | ✓                        |                          |

See page 56 for finish samples. NOTE: Finishes may vary.

Shoes shown below are compatible with the 1/2" SQUARE balusters on these two pages  
 † LI-ALRCPL1 & LI-ALRCPL2 are compatible with LIH-HOL166444 iron balusters.  
 ‡ Accommodates stairs up to 37° ascent.



LI-ALM06  
With Set Screw  
Aluminum



LI-ALPSH02  
With Set Screw  
Aluminum



LI-PROCOL  
With Threaded Disc  
Aluminum



LI-PROLVL  
Alum/Iron



LI-PROKNE  
Alum/Iron



LI-ALSQPL1  
Level Flat Shoe  
Aluminum



LI-ALRCPL1 †  
Level Flat Shoe  
Aluminum



LI-ALSQPL2 ‡  
Rake Flat Shoe  
Aluminum



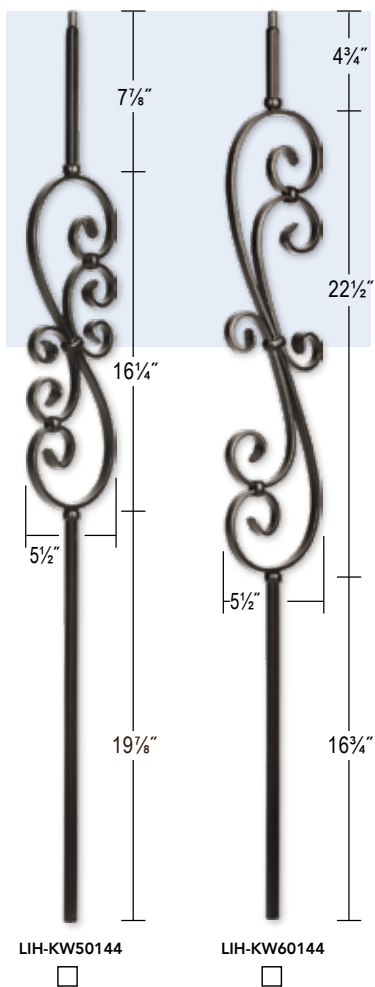
LI-ALRCPL2 † ‡  
Rake Flat Shoe  
Aluminum

See pages 67-68 for details on IronPro

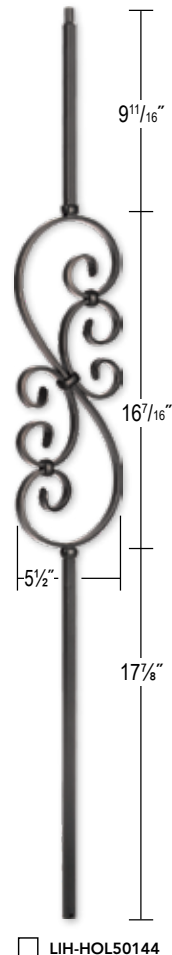
# Finesse Collection - 1/2" ☐

## KNEEWALL STAIR Balusters

The balusters shown in this box are specially designed for Kneewall stairs. The measurement from the top of the baluster to the middle of the center detail is 16" for each style.



☐ LIH-HOL30144



☐ LIH-HOL50144



☐ LIH-HOL60144

| Item Number  | Low Sheen Black (LSB)    | Oil Rubbed Copper (ORC)  | Oil Rubbed Bronze (ORB)  |
|--------------|--------------------------|--------------------------|--------------------------|
| LIH-KW50144  | <input type="checkbox"/> | <input type="checkbox"/> |                          |
| LIH-KW60144  | <input type="checkbox"/> | <input type="checkbox"/> |                          |
| LIH-HOL30144 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-HOL50144 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-HOL60144 | <input type="checkbox"/> | <input type="checkbox"/> |                          |
| LI-ALFSH01   | ✓                        | ✓                        | ✓                        |
| LI-ALM06     | ✓                        | ✓                        | ✓                        |
| LI-ALPSH02   | ✓                        | ✓                        | ✓                        |
| LI-ALSCR05   | ✓                        | ✓                        | ✓                        |
| LI-ALRD201   | ✓                        | ✓                        | ✓                        |
| LI-ALSQ301   | ✓                        | ✓                        | ✓                        |
| LI-PROCOL    | ✓                        | ✓                        | ✓                        |
| LI-PROLVL    | ✓                        |                          |                          |
| LI-PROKNE    | ✓                        |                          |                          |

See page 56 for finish samples. NOTE: Finishes may vary.



LI-PROLVL  
Alum/Iron



LI-PROKNE  
Alum/Iron

See pages 67-68 for details on IronPro



Patent Pending

LIH-HOL1/2CONCEAL  
Concealed Fastener for Open Stairs, Kneewall Stairs & Level Runs



LI-ALFSH01  
No Set Screw Aluminum



LI-ALM06  
With Set Screw Aluminum



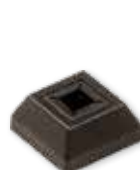
LI-ALPSH02  
With Set Screw Aluminum



LI-ALSCR05  
Screw Down Aluminum



LI-ALRD201  
No Set Screw Aluminum



LI-ALSQ301  
No Set Screw Aluminum



LI-PROCOL  
With Threaded Disc Aluminum



LIH-HOLINSERTW/SCREW  
Concealed Installation Kit for Open Stairs & Level Runs

All shoes and fasteners on this page are compatible with the 1/2" SQUARE balusters on this page.



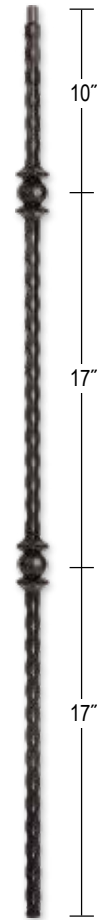
# Pummel - 1/2"



 LIH-KW9044  
Hammered Edge










 LIH-HOL30544  
Hammered Edge



 LIH-HOL30844  
Hammered Edge



 LIH-HOL31044  
Hammered Edge

| Item Number  | Low Sheen Black (LSB)                                                               | Oil Rubbed Bronze (ORB)                                                               |
|--------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| LIH-KW9044   |  |  |
| LIH-HOL30544 |  |  |
| LIH-HOL30844 |  |  |
| LIH-HOL31044 |  |                                                                                       |
| LI-ALH05P    | ✓                                                                                   | ✓                                                                                     |
| LI-ALH06     | ✓                                                                                   | ✓                                                                                     |
| LI-ALRD201   | ✓                                                                                   | ✓                                                                                     |
| LI-ALSQ301   | ✓                                                                                   | ✓                                                                                     |

See page 56 for finish samples. NOTE: Finishes may vary.

Shoes and fastener shown below are compatible with the 1/2" SQUARE balusters on this page.



LI-ALH05P  
With Set Screw  
Aluminum



LI-ALH06  
With Set Screw  
Aluminum



LI-ALRD201  
No Set Screw  
Aluminum



LI-ALSQ301  
No Set Screw  
Aluminum



LIH-HOL1/2CONCEAL  
Concealed Fastener for Open  
Stairs, Kneewall Stairs & Level Runs

Patent  
Pending

Post to Post  
Over the Post



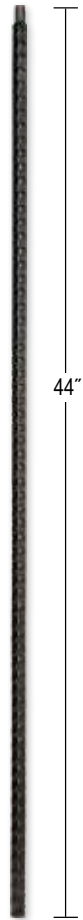
☐ LIH-HOL14044  
Hammered Face



☐ LIH-HOL15044  
Hammered Face



☐ LIH-HOL16044  
Hammered Face



☐ LIH-HOL14344  
Hammered Face

| Item Number  | Low Sheen Black (LSB)    | Oil Rubbed Copper (ORC)  | Oil Rubbed Bronze (ORB)  |
|--------------|--------------------------|--------------------------|--------------------------|
| LIH-HOL14044 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-HOL15044 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-HOL16044 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-HOL14344 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LI-ALH05P    | ✓                        | ✓                        | ✓                        |
| LI-ALH06     | ✓                        | ✓                        | ✓                        |
| LI-ALRD201   | ✓                        | ✓                        | ✓                        |
| LI-ALSQ301   | ✓                        | ✓                        | ✓                        |

See page 56 for finish samples. NOTE: Finishes may vary.

Shoes and fastener shown below are compatible with the 1/2" SQUARE balusters on this page.



LI-ALH05P  
With Set Screw  
Aluminum



LI-ALH06  
With Set Screw  
Aluminum



LI-ALRD201  
No Set Screw  
Aluminum



LI-ALSQ301  
No Set Screw  
Aluminum

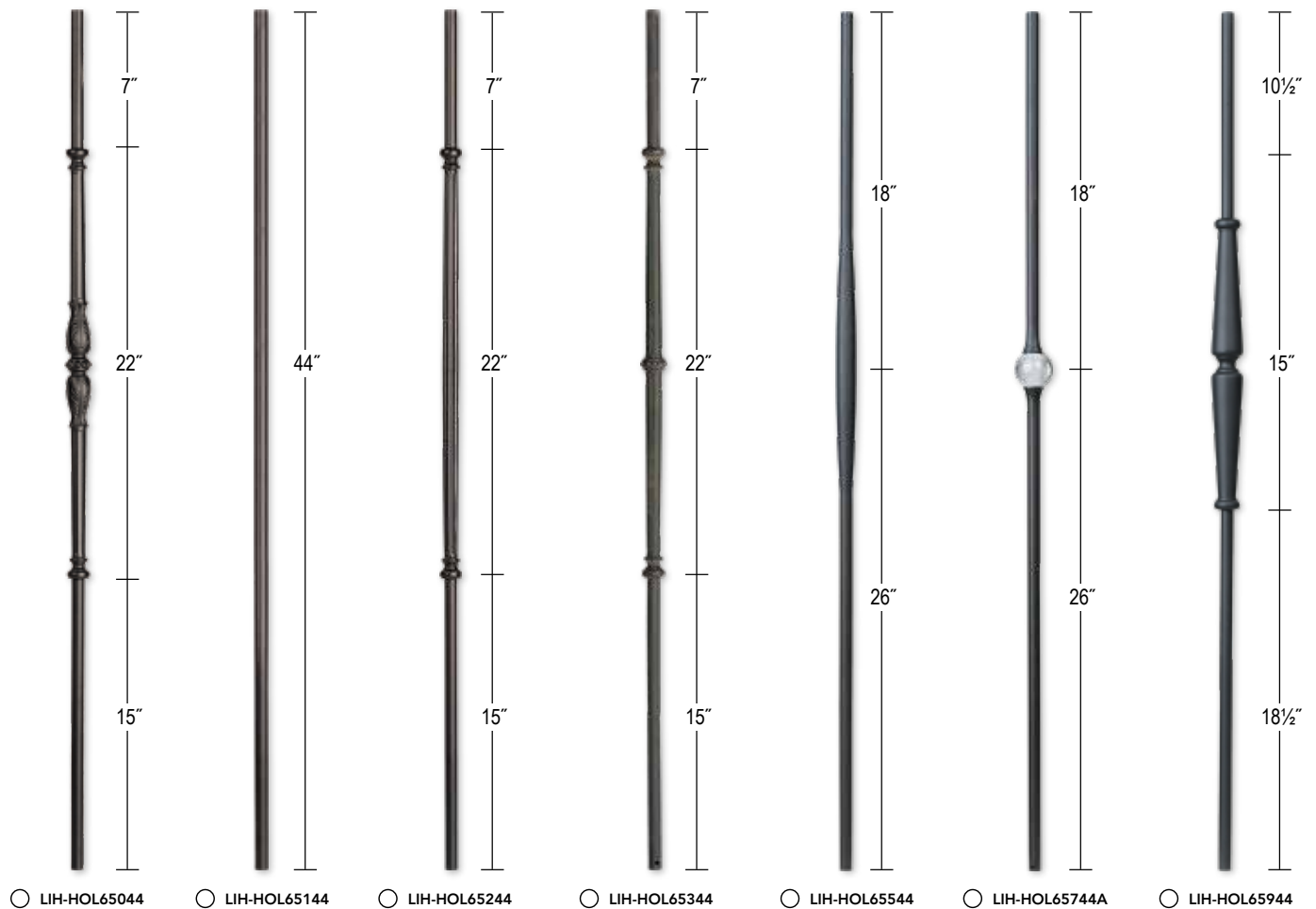


LIH-HOL1/2CONCEAL  
Concealed Fastener for Open  
Stairs, Kneewall Stairs & Level Runs

Patent  
Pending



# Espresso - 5/8" ○



Post to Post

Over the Post

| Item Number   | Low Sheen Black (LSB) | Oil Rubbed Copper (ORC) | Oil Rubbed Bronze (ORB) | Stainless Steel (SS) | Brass Finish (BRS) |
|---------------|-----------------------|-------------------------|-------------------------|----------------------|--------------------|
| LIH-HOL65044  | ○                     | ○                       | ○                       |                      |                    |
| LIH-HOL65144  | ○                     | ○                       | ○                       | ○                    | ○                  |
| LIH-HOL65244  | ○                     | ○                       | ○                       |                      |                    |
| LIH-HOL65344  | ○                     | ○                       | ○                       |                      |                    |
| LIH-HOL65544  | ○                     |                         |                         |                      |                    |
| LIH-HOL65744A | ○                     |                         |                         |                      |                    |
| LIH-HOL65944  | ○                     |                         |                         |                      |                    |
| LI-ALR010     | ✓                     | ✓                       | ✓                       |                      |                    |

See page 56 for finish samples. NOTE: Finishes may vary.

Shoe shown below is compatible with the balusters on this page.

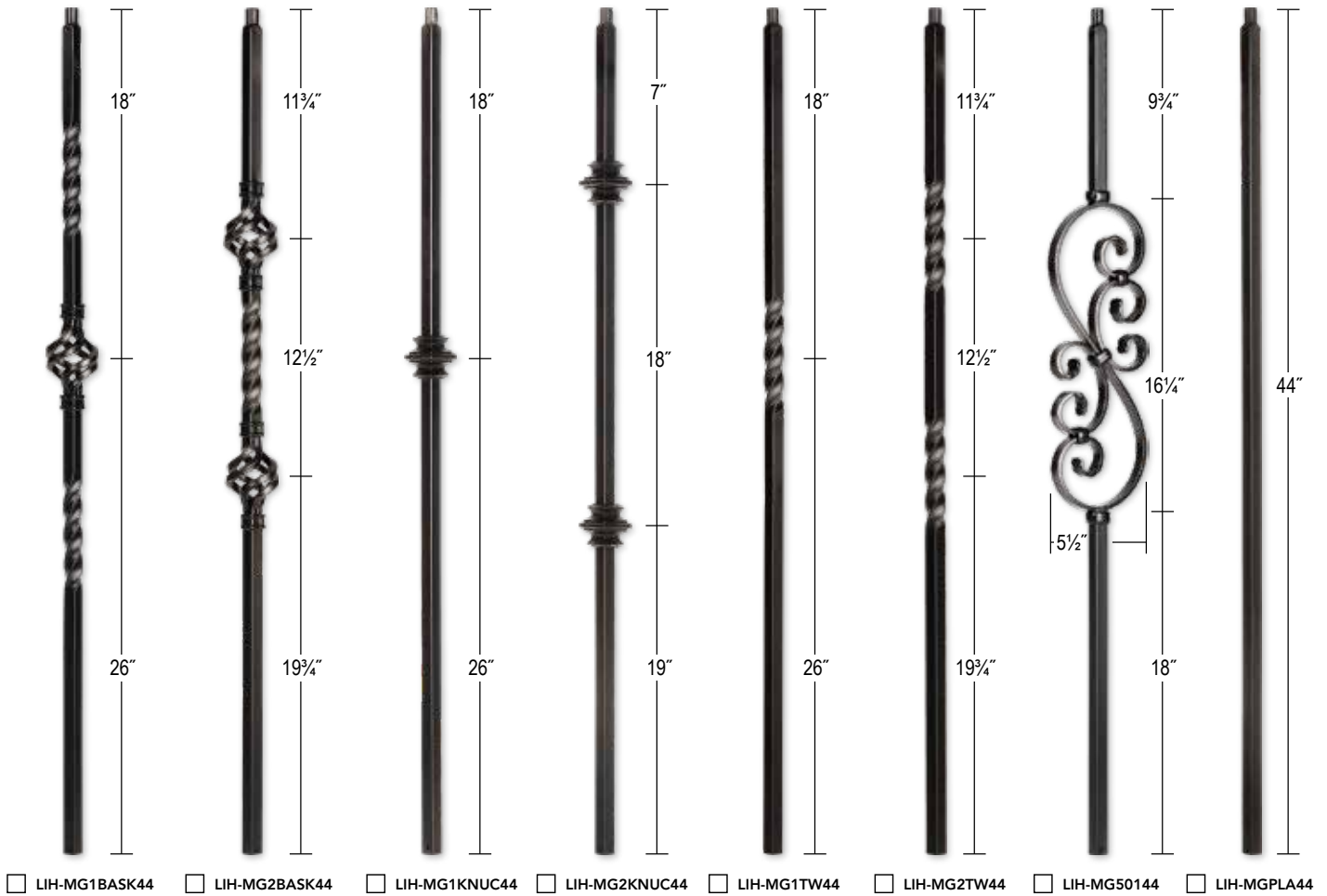


**LI-ALR010**

No Set Screw  
Aluminum

# Mega Collection - 3/4" ☐

Post to Post  
Over the Post



☐ LIH-MG1BASK44   ☐ LIH-MG2BASK44   ☐ LIH-MG1KNUC44   ☐ LIH-MG2KNUC44   ☐ LIH-MG1TW44   ☐ LIH-MG2TW44   ☐ LIH-MG50144   ☐ LIH-MGPLA44

| Item Number   | Low Sheen Black (LSB)    | Oil Rubbed Copper (ORC)  |
|---------------|--------------------------|--------------------------|
| LIH-MG1BASK44 | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG2BASK44 | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG1KNUC44 | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG2KNUC44 | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG1TW44   | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG2TW44   | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MG50144   | <input type="checkbox"/> | <input type="checkbox"/> |
| LIH-MGPLA44   | <input type="checkbox"/> | <input type="checkbox"/> |
| LI-ALMGFSH08  | ✓                        | ✓                        |
| LI-ALMGM08    | ✓                        | ✓                        |
| LI-ALMGPSH08  | ✓                        | ✓                        |

See page 56 for finish samples. NOTE: Finishes may vary.

Shoes shown below are compatible with the 3/4" SQUARE balusters shown on this page.



**LI-ALMGFSH08**  
No Set Screw  
Aluminum

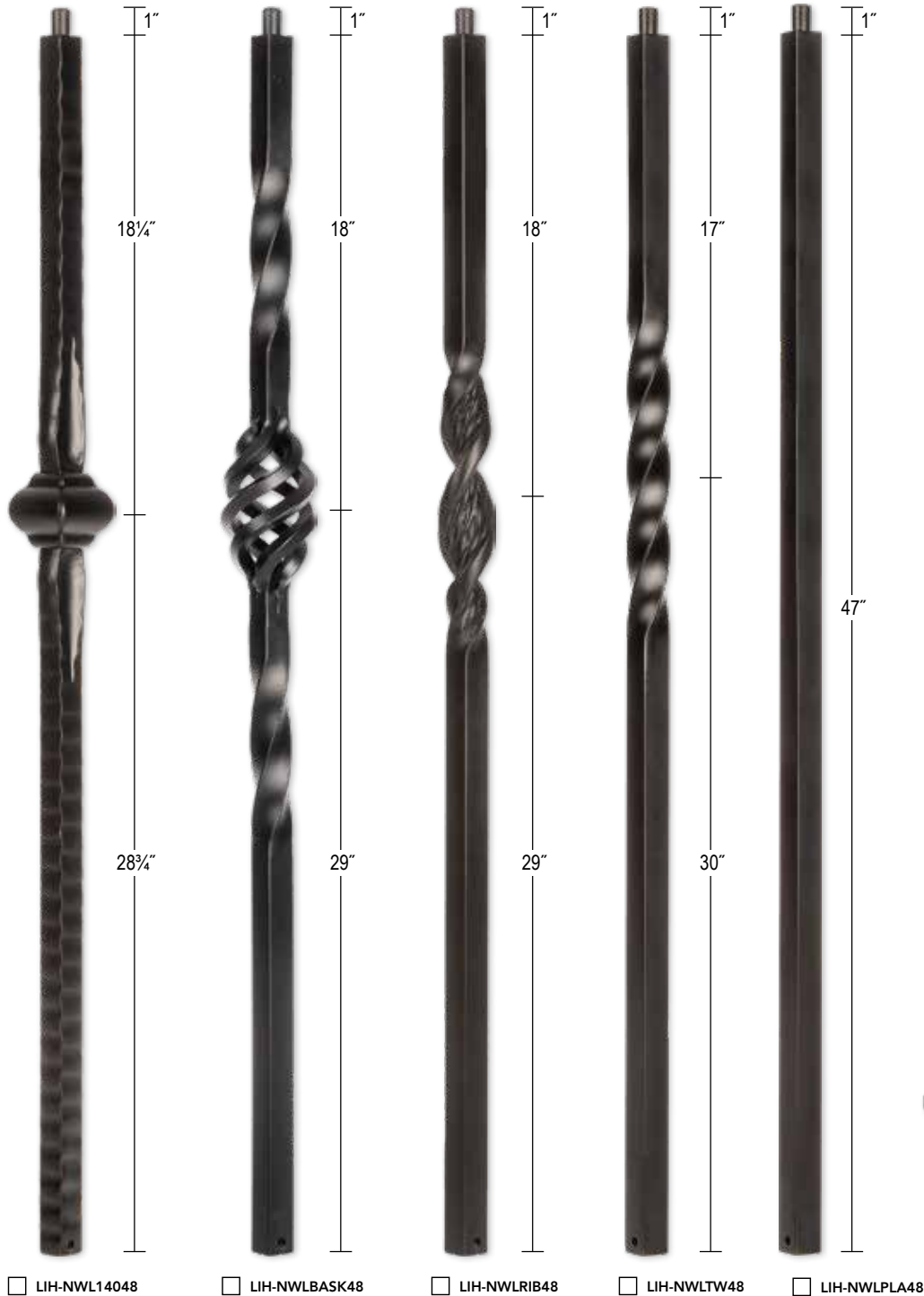


**LI-ALMGM08**  
With Set Screw  
Aluminum



**LI-ALMGPSH08**  
With Set Screw  
Aluminum

# Iron Newels - 1 3/16" ☐



**LI-NWLFISH**  
Newel Collar and  
Mounting Kit

| Item Number   | Low Sheen Black (LSB)               |
|---------------|-------------------------------------|
| LIH-NWL14048  | <input type="checkbox"/>            |
| LIH-NWLBASK48 | <input type="checkbox"/>            |
| LIH-NWLRIB48  | <input type="checkbox"/>            |
| LIH-NWLTW48   | <input type="checkbox"/>            |
| LIH-NWLPLA48  | <input type="checkbox"/>            |
| LI-NWLFISH    | <input checked="" type="checkbox"/> |

See page 56 for finish sample.

NOTE: Finish may vary.

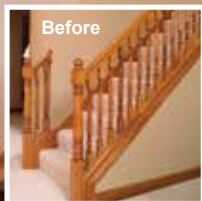


# Easily Replace Wood Balusters with

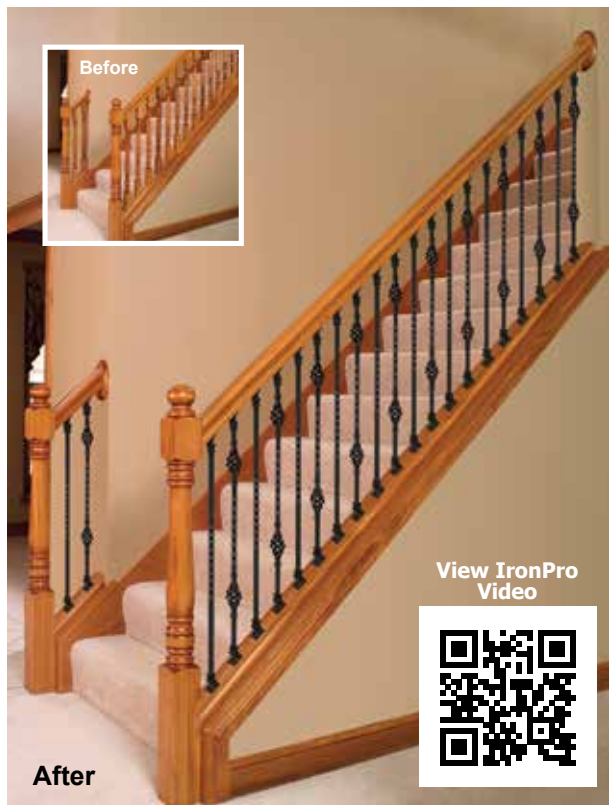
# IronPro™

Pat. 8,356,803

With the IronPro accessories, you can enjoy a beautiful iron balustrade and it installs in 1/3 of the time of a typical installation. IronPro is screwed to the handrail and treads or kneewall utilizing high quality, self-drilling screws or bolts. It's ideal for remodeling too. The installation process is fast & simple with...



Before



After

View IronPro Video



## IronPro™ features:

### ✓ Full Flexibility

- Adjusts to up to 45° angle of ascent
- Open Tread and Kneewall Stairways

### ✓ Unsurpassed Durability

- Balusters are screwed into place

### ✓ DIY Simple Installation

- No holes to drill for most applications
- Doesn't require high-skilled labor

### ✓ Elegant Look

- Unique and sophisticated attachment hardware

**1** Cut through the center of each wood baluster with a reciprocating saw, jig saw or sawzall. Remove the wood baluster sections being sure to remove any glue, debris and nails. (For stairway remodel only)



**2** At the baluster locations, attach ball adaptor and round or rectangular socket to tread (or hanger bolt to kneewall).



**3** Measure the space between the ball adaptor and threaded disc (or ball adaptor and top of hanger bolt for kneewall). Transfer this measurement to the iron baluster from the pin shoulder down the baluster. Trim each iron baluster from the bottom.



**4** Pivot the ball adaptor to the side and insert iron baluster pin top. Slide the base collar (or threaded ball adaptor for kneewall) onto the baluster bottom.



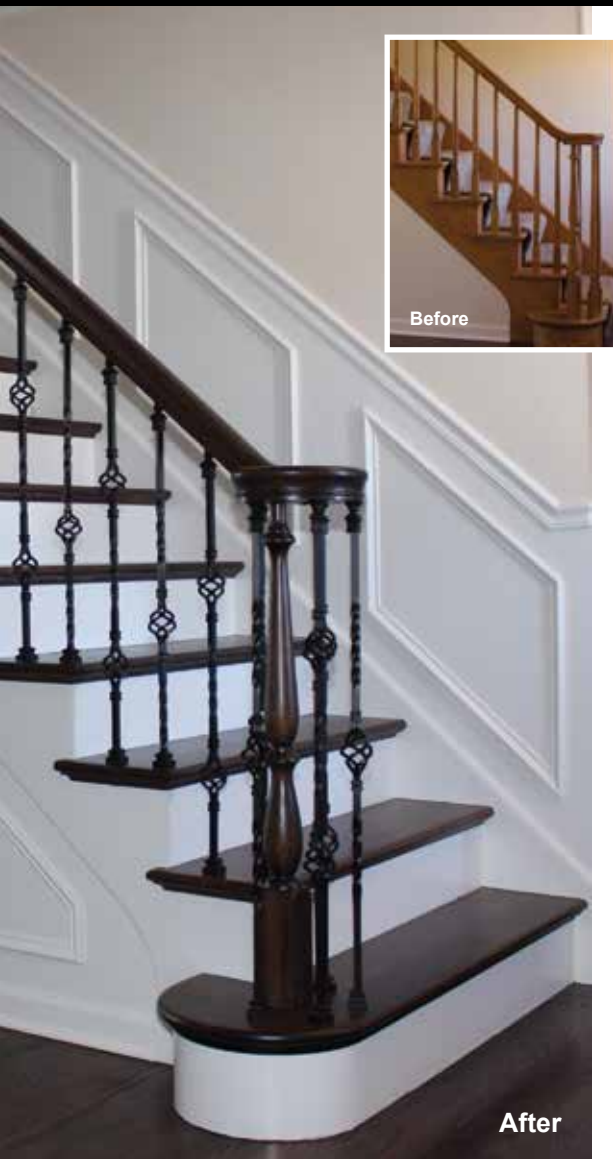
Pivot Baluster

**5** Align baluster and collar over threaded disc (for kneewall align baluster and threaded ball adaptor over hanger bolt). Turn baluster to secure. Tighten set screws.



Detailed instructions are available at [www.LJSmith.com](http://www.LJSmith.com)

# Iron Balusters using IronPro



After

## Finished Look:

Open Tread  
Top Connection



Kneewall Stair  
Top Connection



Open Tread  
Bottom Connection



Kneewall Stair  
Bottom Connection

## How to Select IronPro™ Components . . .

### Open Tread Stairway

Select one *IronPro*™ **Level Kit** (LI-PROLVL) for each baluster you plan to install. This kit includes the items below.



### Kneewall Stairway

Select one *IronPro*™ **Kneewall Kit** (LI-PROKNE) for each baluster you plan to install. This kit includes the items below.



### Level Sections (if applicable)

Select one *IronPro*™ **Level Kit** for each baluster you plan to install on level sections. This is the same packet as is used for an Open Tread Stairway (above). A **Kneewall Kit** can be used on level sections, if preferred.

## Optional Products Available . . .

Used when replacing wood balusters with IronPro™

### Universal Cover Plate

Select one metal **Universal Cover Plate** (LI-PROPLT1) for each 1¼" or 1¾" wood baluster replacement on open treads or level sections when using the Base Collar & Threaded Disc, or on a kneewall when using the Round Socket.



1 1/8" x 2 13/16"

### Rectangular Socket Cover Plate

Select one metal **Rectangular Socket Cover Plate** (LI-PROPLT2) for each 1¼" or 1¾" wood baluster replacement on a kneewall when using the rectangular socket.



1 1/8" x 3 13/16"

**Fillet** - Use when the spacing of the balusters change in the handrail or shoerail.



**LJ-6000F Fillet** for 1¼" plowed handrail and/or shoerail...



**LJ-6007 Fillet** for 1¾" plowed handrail and/or shoerail...



Fillet is also used under non-plowed rail when the spacing of the balusters will change.



## Epoxy Adhesive Kits

We offer the following Contractor (LI-3701, LI-3702 & LI-3703) and Job-Lot (LI-3706 & LI-3707) Epoxy Adhesive kits for installing our Iron Balustrades.



LI-3701

Contractor Epoxy Adhesive 28 oz. (Open work time is 18 minutes. Fills approximately 122 holes depending on hole size. Includes mixing nozzle)



LI-3702  
Contractor  
Injector Tool



LI-3703  
Contractor Epoxy Adhesive  
Mixing Nozzle



LI-3707

Job-Lot Kit includes 9.5 oz. Adhesive Cartridge and nozzle for use in standard caulking guns. (Open work time is 5 minutes. Fills approximately 70 holes depending on hole size.)



LI-3706  
Extra Nozzle for  
LI-3707

## Non-Sag Adhesives

As an alternative to our epoxy products, these adhesives offer excellent adhesion to virtually any material and perform exceedingly well as a substitute for traditional adhesives.



6100E-10AD  
Non-Sag Adhesive

This non-sag adhesive is a flexible and highly versatile rubber-based compound that exhibits exceptional adhesive contact and sealant qualities. It is perfect for vertical or overhead use such as drilled holes on the underside of handrail for iron baluster installation. The tack time is approximately 4 minutes with a full cure time of 24-72 hours, depending upon amount used, temperature and humidity. Use with a standard caulk gun cartridge. Fills approximately 110 holes depending on hole size. 10.2 Oz Clear Adhesive. Dries clear.



EGEXTREME-10AD  
Extreme Environmentally Friendly Adhesive

This adhesive is a high performance polyether moisture cure technology that is 100% solids, solvent free and less than 2% VOC. Extreme is odor-free making it very safe to use indoors or in confined spaces. It is engineered for strong adhesion to virtually any substrate and suitable for vertical or overhead applications making it perfect for use in drilled holes on the underside of handrail for iron baluster installation. The tack time is approximately 35 minutes with a full cure time of 3 to 7 days depending upon amount used, temperature and humidity. Use with a standard caulk gun cartridge. Fills approximately 110 holes depending on hole size. 10.1 Oz White Adhesive. Dries white.

## Iron Finish Touch-up Pens

These pens are an easy and effective way to touch up a marred finish in the event that an iron baluster, newel or accessory gets chipped. Each sold separately. (Two pens are required for some finishes)

|            |                     |
|------------|---------------------|
| LI-PEN-ABZ | Antique Bronze *    |
| LI-PEN-LSB | Low Sheen Black     |
| LI-PEN-MB  | Matte Black         |
| LI-PEN-MN  | Matte Nickel        |
| LI-PEN-ORB | Oil Rubbed Bronze * |
| LI-PEN-ORC | Oil Rubbed Copper * |
| LI-PEN-SB  | Satin Black         |
| LI-PEN-SV  | Silver Vein *       |

\* To more closely match the powder coat on our iron stair parts with this finish, a Low Sheen Black pen will also be needed.

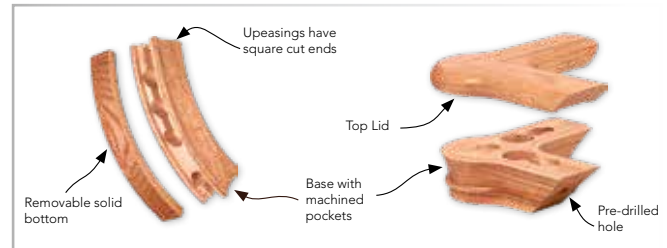




# Handrail Fittings

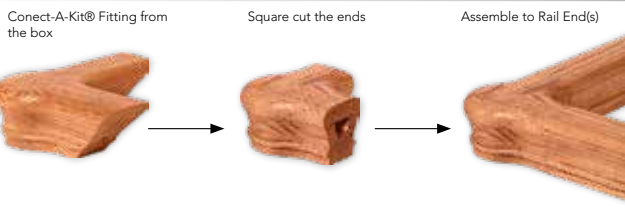
L.J. Smith offers two types of handrail fittings in all of the handrail profiles shown near the bottom of this page. Our "Traditional" fittings utilize rail bolts for installation. L.J. Smith also offers an exclusive, patented line of fittings called "Conect-A-Kit®." These unique fittings provide tremendous flexibility in the number of installation applications obtainable with each fitting. Aside from their common applications, seven of these fittings, used in combination, will make up 26 different Landing Fitting Assemblies (gooseneck fittings). Below are illustrations of how Conect-A-Kit® fittings are used for Common Stairway Applications, and how they are used to build Landing Fitting Assemblies (goosenecks).

## What's Inside...



All of the Conect-A-Kit® fittings have a base with machined pockets and a removable top lid (or bottom) for easy installation. All assembly hardware is concealed within the base of each fitting.

## Conect-A-Kit® Fittings for Common Stairway Applications



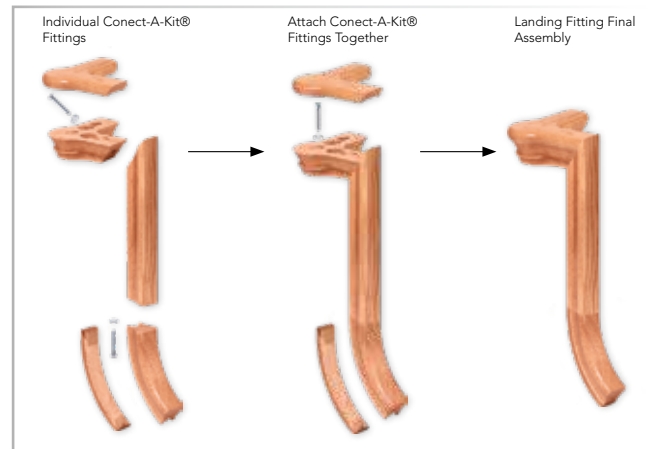
**Conect-A-Kit® fittings provide several advantages:**

**Versatility** — make left or right turns with the same fitting. Fittings can be used to make up a variety of fitting combinations.

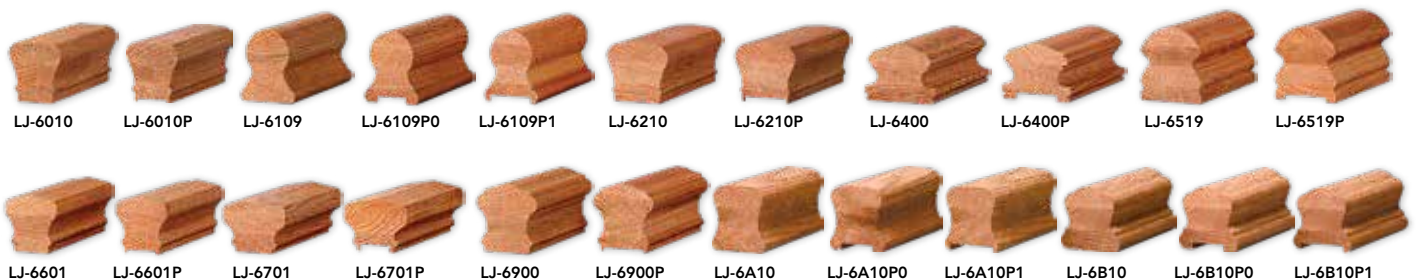
**Ease of Assembly** — most joint connections are made on top of the rail system for better access. No rail bolts required!

**Added Strength** — the hardware included with each fitting provides greater strength and tighter connections.

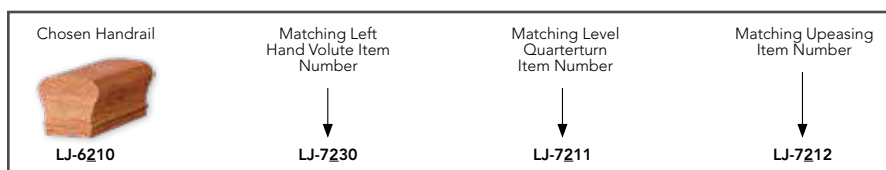
## Conect-A-Kit® Fittings for Building Landing Fitting Assemblies (goosenecks)



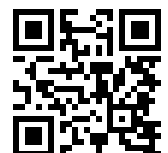
Conect-A-Kit® fittings and traditional fittings are available in the handrail profiles shown below. When the handrail chosen is plowed, designate a plowed fitting with a "P" suffix. Fillet is included with each plowed fitting. Note: some fittings are available plowed 1¼" or 1¾" and some are not available plowed at all...refer to the item numbers listed below each fitting throughout this section of the catalog.



When ordering fittings to match the chosen handrail, the second digit indicates the matching profile. Below is an example of how easy it is to order our handrail fittings.



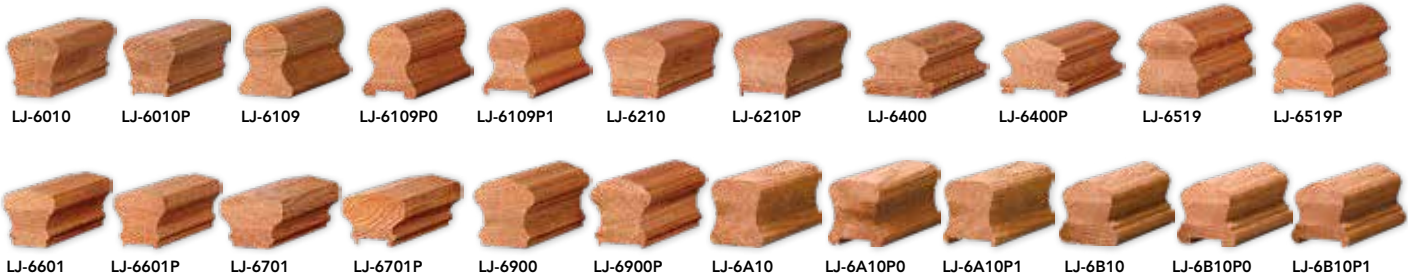
**How to Install  
Conect-A-Kit®  
Fittings**



# Handrail Fittings

Our Conect-A-Kit® Starting Easings with Cap, Standard Volutes and Turnouts are packaged as two pieces unassembled while our traditional fittings are assembled as one piece. A template is included with each Volute and Turnout. Handing is determined by standing at the bottom of the stairs looking up the flight.

Fittings are available in the handrail profiles shown below. When the handrail chosen is plowed, designate a plowed fitting with a "P" suffix. Fillet is included with each plowed fitting. Note: some fittings are available plowed 1¼" or 1¾" and some are not available plowed at all...refer to the item numbers listed below each fitting throughout this section of the catalog. All handrail fitting photos are shown in the LJ-6010 profile.



Conect-A-Kit®  
Starting Easing with Cap\*

Traditional  
Starting Easing with Cap\*

|                                    |            |
|------------------------------------|------------|
| LJ-7010 (P).....(use with LJ-6010) | S-7010 (P) |
| LJ-7110 (P).....(use with LJ-6109) | S-7110 (P) |
| LJ-7210 (P).....(use with LJ-6210) | S-7210 (P) |
| LJ-7410 (P).....(use with LJ-6400) | S-7410 (P) |
| LJ-7510 (P).....(use with LJ-6519) | S-7510 (P) |
| LJ-7610 (P).....(use with LJ-6601) | S-7610 (P) |
| LJ-7710 (P).....(use with LJ-6701) | S-7710 (P) |
| LJ-7910 (P).....(use with LJ-6900) | S-7910 (P) |
| LJ-7A10 (P).....(use with LJ-6A10) | S-7A10 (P) |
| LJ-7B10 (P).....(use with LJ-6B10) | S-7B10 (P) |



Traditional  
Vertical Volute

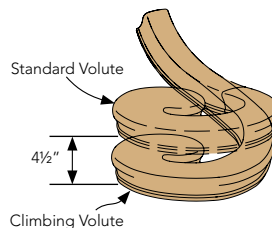
|                                 |
|---------------------------------|
| LJ-7038 .....(use with LJ-6010) |
| LJ-7138 .....(use with LJ-6109) |
| LJ-7238 .....(use with LJ-6210) |
| LJ-7438 .....(use with LJ-6400) |
| LJ-7538 .....(use with LJ-6519) |
| LJ-7638 .....(use with LJ-6601) |
| LJ-7738 .....(use with LJ-6701) |
| LJ-7938 .....(use with LJ-6900) |
| LJ-7A38 .....(use with LJ-6A10) |
| LJ-7B38 .....(use with LJ-6B10) |



Traditional Left Hand  
Climbing Volute

Traditional Right Hand  
Climbing Volute

|                                 |         |
|---------------------------------|---------|
| LJ-7031 .....(use with LJ-6010) | LJ-7036 |
| LJ-7231 .....(use with LJ-6210) | LJ-7236 |
| LJ-7431 .....(use with LJ-6400) | LJ-7436 |
| LJ-7531 .....(use with LJ-6519) | LJ-7536 |
| LJ-7631 .....(use with LJ-6601) | LJ-7636 |
| LJ-7731 .....(use with LJ-6701) | LJ-7736 |
| LJ-7931 .....(use with LJ-6900) | LJ-7936 |
| LJ-7A31 .....(use with LJ-6A10) | LJ-7A36 |
| LJ-7B31 .....(use with LJ-6B10) | LJ-7B36 |



When using a Climbing Volute, the newel height at the volute will be approximately 4½" lower than what is produced with a standard volute. This dimension will vary with the rise and run of the stairway.

The photo to the right shows the sweeping elegance of the climbing volutes.



\*These fittings are available with a 90° upsealing by adding a -90 suffix to the fitting item number. Example: LJ-7030-90



**Conect-A-Kit® Left Hand  
Standard Volute\***

LJ-7030 (P).....(use with LJ-6010) .....LJ-7035 (P)  
 LJ-7130 (P).....(use with LJ-6109) .....LJ-7135 (P)  
 LJ-7230 (P).....(use with LJ-6210) .....LJ-7235 (P)  
 LJ-7430 (P).....(use with LJ-6400) .....LJ-7435 (P)  
 LJ-7530 (P).....(use with LJ-6519) .....LJ-7535 (P)  
 LJ-7630 (P).....(use with LJ-6601) .....LJ-7635 (P)  
 LJ-7730 (P).....(use with LJ-6701) .....LJ-7735 (P)  
 LJ-7930 (P).....(use with LJ-6900) .....LJ-7935 (P)  
 LJ-7A30 (P).....(use with LJ-6A10) .....LJ-7A35 (P)  
 LJ-7B30 (P).....(use with LJ-6B10) .....LJ-7B35 (P)



**Conect-A-Kit® Right Hand  
Standard Volute\***



**Traditional Left Hand  
Standard Volute\***

S-7030 (P).....(use with LJ-6010) .....S-7035 (P)  
 S-7130 (P).....(use with LJ-6109) .....S-7135 (P)  
 S-7230 (P).....(use with LJ-6210) .....S-7235 (P)  
 S-7430 (P).....(use with LJ-6400) .....S-7435 (P)  
 S-7530 (P).....(use with LJ-6519) .....S-7535 (P)  
 S-7630 (P).....(use with LJ-6601) .....S-7635 (P)  
 S-7730 (P).....(use with LJ-6701) .....S-7735 (P)  
 S-7930 (P).....(use with LJ-6900) .....S-7935 (P)  
 S-7A30 (P).....(use with LJ-6A10) .....S-7A35 (P)  
 S-7B30 (P).....(use with LJ-6B10) .....S-7B35 (P)



**Traditional Right Hand  
Standard Volute\***



**Conect-A-Kit®  
3" Left Hand Turnout\***

LJ-7041 (P).....(use with LJ-6010) .....LJ-7046 (P)  
 LJ-7141 (P).....(use with LJ-6109) .....LJ-7146 (P)  
 LJ-7241 (P).....(use with LJ-6210) .....LJ-7246 (P)  
 LJ-7441 (P).....(use with LJ-6400) .....LJ-7446 (P)  
 LJ-7541 (P).....(use with LJ-6519) .....LJ-7546 (P)  
 LJ-7641 (P).....(use with LJ-6601) .....LJ-7646 (P)  
 LJ-7741 (P).....(use with LJ-6701) .....LJ-7746 (P)  
 LJ-7941 (P).....(use with LJ-6900) .....LJ-7946 (P)  
 LJ-7A41 (P).....(use with LJ-6A10) .....LJ-7A46 (P)  
 LJ-7B41 (P).....(use with LJ-6B10) .....LJ-7B46 (P)



**Conect-A-Kit®  
3" Right Hand Turnout\***



**Traditional  
3" Left Hand Turnout\***

S-7041 (P).....(use with LJ-6010) .....S-7046 (P)  
 S-7141 (P).....(use with LJ-6109) .....S-7146 (P)  
 S-7241 (P).....(use with LJ-6210) .....S-7246 (P)  
 S-7441 (P).....(use with LJ-6400) .....S-7446 (P)  
 S-7541 (P).....(use with LJ-6519) .....S-7546 (P)  
 S-7641 (P).....(use with LJ-6601) .....S-7646 (P)  
 S-7741 (P).....(use with LJ-6701) .....S-7746 (P)  
 S-7941 (P).....(use with LJ-6900) .....S-7946 (P)  
 S-7A41 (P).....(use with LJ-6A10) .....S-7A46 (P)  
 S-7B41 (P).....(use with LJ-6B10) .....S-7B46 (P)



**Traditional  
3" Right Hand Turnout\***



**Conect-A-Kit®  
5" Left Hand Turnout\***

LJ-7040 (P).....(use with LJ-6010) .....LJ-7045 (P)  
 LJ-7140 (P).....(use with LJ-6109) .....LJ-7145 (P)  
 LJ-7240 (P).....(use with LJ-6210) .....LJ-7245 (P)  
 LJ-7440 (P).....(use with LJ-6400) .....LJ-7445 (P)  
 LJ-7540 (P).....(use with LJ-6519) .....LJ-7545 (P)  
 LJ-7640 (P).....(use with LJ-6601) .....LJ-7645 (P)  
 LJ-7740 (P).....(use with LJ-6701) .....LJ-7745 (P)  
 LJ-7940 (P).....(use with LJ-6900) .....LJ-7945 (P)  
 LJ-7A40 (P).....(use with LJ-6A10) .....LJ-7A45 (P)  
 LJ-7B40 (P).....(use with LJ-6B10) .....LJ-7B45 (P)



**Conect-A-Kit®  
5" Right Hand Turnout\***



**Traditional  
5" Left Hand Turnout\***

S-7040 (P).....(use with LJ-6010) .....S-7045 (P)  
 S-7140 (P).....(use with LJ-6109) .....S-7145 (P)  
 S-7240 (P).....(use with LJ-6210) .....S-7245 (P)  
 S-7440 (P).....(use with LJ-6400) .....S-7445 (P)  
 S-7540 (P).....(use with LJ-6519) .....S-7545 (P)  
 S-7640 (P).....(use with LJ-6601) .....S-7645 (P)  
 S-7740 (P).....(use with LJ-6701) .....S-7745 (P)  
 S-7940 (P).....(use with LJ-6900) .....S-7945 (P)  
 S-7A40 (P).....(use with LJ-6A10) .....S-7A45 (P)  
 S-7B40 (P).....(use with LJ-6B10) .....S-7B45 (P)



**Traditional  
5" Right Hand Turnout\***



# Handrail Fittings

The handrail fittings on these two pages are used for common stairway applications. Upeasings and Over Easings are used when the stairway rise changes. The Quarterturns are used when the rail changes direction. The Rail Drop is used to build Landing Fitting Assemblies (goosenecks). Use the "S" Shaped Fittings to continue the handrail around a partial wall.

Fittings are available in the handrail profiles shown below. When the handrail chosen is plowed, designate a plowed fitting with a "P" suffix. Fillet is included with each plowed fitting. Note: some fittings are available plowed 1¼" or 1¾" and some are not available plowed at all...refer to the item numbers listed below each fitting throughout this section of the catalog. All handrail fitting photos are shown in the LJ-6010 profile.



Conect-A-Kit®  
Returned End

Traditional  
Returned End

Conect-A-Kit®  
Level Quarterturn 90°

Traditional  
Level Quarterturn 90°

Conect-A-Kit®  
Level Quarterturn 135°

Traditional  
Level Quarterturn 135°

LJ-7009 .....(use with LJ-6010) .....S-7009  
LJ-7109 .....(use with LJ-6109) .....S-7109  
LJ-7209 .....(use with LJ-6210) .....S-7209  
LJ-7409 .....(use with LJ-6400) .....S-7409  
LJ-7509 .....(use with LJ-6519) .....S-7509  
LJ-7609 .....(use with LJ-6601) .....S-7609  
LJ-7709 .....(use with LJ-6701) .....S-7709  
LJ-7909 .....(use with LJ-6900) .....S-7909  
LJ-7A09 .....(use with LJ-6A10) .....S-7A09  
LJ-7B09 .....(use with LJ-6B10) .....S-7B09

LJ-7011 .....(use with LJ-6010) .....S-7011 (P)  
LJ-7111 .....(use with LJ-6109) .....S-7111 (P)  
LJ-7211 .....(use with LJ-6210) .....S-7211 (P)  
LJ-7411 .....(use with LJ-6400) .....S-7411 (P)  
LJ-7511 .....(use with LJ-6519) .....S-7511 (P)  
LJ-7611 .....(use with LJ-6601) .....S-7611 (P)  
LJ-7711 .....(use with LJ-6701) .....S-7711 (P)  
LJ-7911 .....(use with LJ-6900) .....S-7911 (P)  
LJ-7A11 .....(use with LJ-6A10) .....S-7A11 (P)  
LJ-7B11 .....(use with LJ-6B10) .....S-7B11 (P)

LJ-7011-135 .....(use with LJ-6010) .....S-7011-135 (P)  
LJ-7111-135 .....(use with LJ-6109) .....S-7111-135 (P)  
LJ-7211-135 .....(use with LJ-6210) .....S-7211-135 (P)  
LJ-7411-135 .....(use with LJ-6400) .....S-7411-135 (P)  
LJ-7511-135 .....(use with LJ-6519) .....S-7511-135 (P)  
LJ-7611-135 .....(use with LJ-6601) .....S-7611-135 (P)  
LJ-7711-135 .....(use with LJ-6701) .....S-7711-135 (P)  
LJ-7911-135 .....(use with LJ-6900) .....S-7911-135 (P)  
LJ-7A11-135 .....(use with LJ-6A10) .....S-7A11-135 (P)  
LJ-7B11-135 .....(use with LJ-6B10) .....S-7B11-135 (P)

Custom angles are also available. Call your supplier for details.



Conect-A-Kit®  
Upeasing 60°

Traditional  
Upeasing 60°

Conect-A-Kit®  
Upeasing 90°

Traditional  
Upeasing 90°

Traditional  
Over Easing 60°

LJ-7012 (P) .....(use with LJ-6010) .....S-7012 (P)  
LJ-7112 (P) .....(use with LJ-6109) .....S-7112 (P)  
LJ-7212 (P) .....(use with LJ-6210) .....S-7212 (P)  
LJ-7412 (P) .....(use with LJ-6400) .....S-7412 (P)  
LJ-7512 (P) .....(use with LJ-6519) .....S-7512 (P)  
LJ-7612 (P) .....(use with LJ-6601) .....S-7612 (P)  
LJ-7712 (P) .....(use with LJ-6701) .....S-7712 (P)  
LJ-7912 (P) .....(use with LJ-6900) .....S-7912 (P)  
LJ-7A12 (P) .....(use with LJ-6A10) .....S-7A12 (P)  
LJ-7B12 (P) .....(use with LJ-6B10) .....S-7B12 (P)

LJ-7014 (P) .....(use with LJ-6010) .....S-7014 (P)  
LJ-7114 (P) .....(use with LJ-6109) .....S-7114 (P)  
LJ-7214 (P) .....(use with LJ-6210) .....S-7214 (P)  
LJ-7414 (P) .....(use with LJ-6400) .....S-7414 (P)  
LJ-7514 (P) .....(use with LJ-6519) .....S-7514 (P)  
LJ-7614 (P) .....(use with LJ-6601) .....S-7614 (P)  
LJ-7714 (P) .....(use with LJ-6701) .....S-7714 (P)  
LJ-7914 (P) .....(use with LJ-6900) .....S-7914 (P)  
LJ-7A14 (P) .....(use with LJ-6A10) .....S-7A14 (P)  
LJ-7B14 (P) .....(use with LJ-6B10) .....S-7B14 (P)

LJ-7013 (P) .....(use with LJ-6010)  
LJ-7113 (P) .....(use with LJ-6109)  
LJ-7213 (P) .....(use with LJ-6210)  
LJ-7413 (P) .....(use with LJ-6400)  
LJ-7513 (P) .....(use with LJ-6519)  
LJ-7613 (P) .....(use with LJ-6601)  
LJ-7713 (P) .....(use with LJ-6701)  
LJ-7913 (P) .....(use with LJ-6900)  
LJ-7A13 (P) .....(use with LJ-6A10)  
LJ-7B13 (P) .....(use with LJ-6B10)


**Conect-A-Kit®  
Starting Easing**
**Traditional  
Starting Easing**

|             |                    |            |
|-------------|--------------------|------------|
| LJ-7015 (P) | (use with LJ-6010) | S-7015 (P) |
| LJ-7115 (P) | (use with LJ-6109) | S-7115 (P) |
| LJ-7215 (P) | (use with LJ-6210) | S-7215 (P) |
| LJ-7415 (P) | (use with LJ-6400) | S-7415 (P) |
| LJ-7515 (P) | (use with LJ-6519) | S-7515 (P) |
| LJ-7615 (P) | (use with LJ-6601) | S-7615 (P) |
| LJ-7715 (P) | (use with LJ-6701) | S-7715 (P) |
| LJ-7915 (P) | (use with LJ-6900) | S-7915 (P) |
| LJ-7A15 (P) | (use with LJ-6A10) | S-7A15 (P) |
| LJ-7B15 (P) | (use with LJ-6B10) | S-7B15 (P) |


**Conect-A-Kit®  
Starting Over Easing**
**Traditional  
Starting Over Easing**

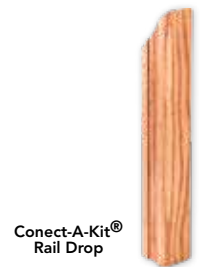
|             |                    |            |
|-------------|--------------------|------------|
| LJ-7016 (P) | (use with LJ-6010) | S-7016 (P) |
| LJ-7116 (P) | (use with LJ-6109) | S-7116 (P) |
| LJ-7216 (P) | (use with LJ-6210) | S-7216 (P) |
| LJ-7416 (P) | (use with LJ-6400) | S-7416 (P) |
| LJ-7516 (P) | (use with LJ-6519) | S-7516 (P) |
| LJ-7616 (P) | (use with LJ-6601) | S-7616 (P) |
| LJ-7716 (P) | (use with LJ-6701) | S-7716 (P) |
| LJ-7916 (P) | (use with LJ-6900) | S-7916 (P) |
| LJ-7A16 (P) | (use with LJ-6A10) | S-7A16 (P) |
| LJ-7B16 (P) | (use with LJ-6B10) | S-7B16 (P) |


**Conect-A-Kit®  
Tandem Cap**
**Traditional  
Tandem Cap**

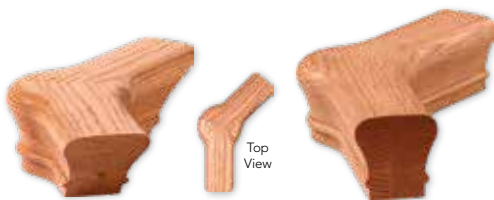
|         |                    |            |
|---------|--------------------|------------|
| LJ-7020 | (use with LJ-6010) | S-7020 (P) |
| LJ-7120 | (use with LJ-6109) | S-7120 (P) |
| LJ-7220 | (use with LJ-6210) | S-7220 (P) |
| LJ-7420 | (use with LJ-6400) | S-7420 (P) |
| LJ-7520 | (use with LJ-6519) | S-7520 (P) |
| LJ-7620 | (use with LJ-6601) | S-7620 (P) |
| LJ-7720 | (use with LJ-6701) | S-7720 (P) |
| LJ-7920 | (use with LJ-6900) | S-7920 (P) |
| LJ-7A20 | (use with LJ-6A10) | S-7A20 (P) |
| LJ-7B20 | (use with LJ-6B10) | S-7B20 (P) |


**Conect-A-Kit®  
Quarterturn with Cap 90°**
**Traditional  
Quarterturn with Cap 90°**

|         |                    |            |
|---------|--------------------|------------|
| LJ-7021 | (use with LJ-6010) | S-7021 (P) |
| LJ-7121 | (use with LJ-6109) | S-7121 (P) |
| LJ-7221 | (use with LJ-6210) | S-7221 (P) |
| LJ-7421 | (use with LJ-6400) | S-7421 (P) |
| LJ-7521 | (use with LJ-6519) | S-7521 (P) |
| LJ-7621 | (use with LJ-6601) | S-7621 (P) |
| LJ-7721 | (use with LJ-6701) | S-7721 (P) |
| LJ-7921 | (use with LJ-6900) | S-7921 (P) |
| LJ-7A21 | (use with LJ-6A10) | S-7A21 (P) |
| LJ-7B21 | (use with LJ-6B10) | S-7B21 (P) |


**Conect-A-Kit®  
Rail Drop**

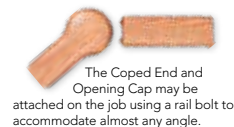
|         |                    |  |
|---------|--------------------|--|
| LJ-70RD | (use with LJ-6010) |  |
| LJ-71RD | (use with LJ-6109) |  |
| LJ-72RD | (use with LJ-6210) |  |
| LJ-74RD | (use with LJ-6400) |  |
| LJ-75RD | (use with LJ-6519) |  |
| LJ-76RD | (use with LJ-6601) |  |
| LJ-77RD | (use with LJ-6701) |  |
| LJ-79RD | (use with LJ-6900) |  |
| LJ-7ARD | (use with LJ-6A10) |  |
| LJ-7BRD | (use with LJ-6B10) |  |


**Conect-A-Kit®  
Quarterturn with Cap 135°**
**Traditional  
Quarterturn with Cap 135°**

|             |                    |                |
|-------------|--------------------|----------------|
| LJ-7021-135 | (use with LJ-6010) | S-7021-135 (P) |
| LJ-7121-135 | (use with LJ-6109) | S-7121-135 (P) |
| LJ-7221-135 | (use with LJ-6210) | S-7221-135 (P) |
| LJ-7421-135 | (use with LJ-6400) | S-7421-135 (P) |
| LJ-7521-135 | (use with LJ-6519) | S-7521-135 (P) |
| LJ-7621-135 | (use with LJ-6601) | S-7621-135 (P) |
| LJ-7721-135 | (use with LJ-6701) | S-7721-135 (P) |
| LJ-7921-135 | (use with LJ-6900) | S-7921-135 (P) |
| LJ-7A21-135 | (use with LJ-6A10) | S-7A21-135 (P) |
| LJ-7B21-135 | (use with LJ-6B10) | S-7B21-135 (P) |


**Traditional Coped End**

|         |                    |  |
|---------|--------------------|--|
| LJ-7008 | (use with LJ-6010) |  |
| LJ-7208 | (use with LJ-6210) |  |
| LJ-7A08 | (use with LJ-6A10) |  |


**Conect-A-Kit®  
Opening Cap**
**Traditional  
Opening Cap**

|         |                    |            |
|---------|--------------------|------------|
| LJ-7019 | (use with LJ-6010) | S-7019 (P) |
| LJ-7119 | (use with LJ-6109) | S-7119 (P) |
| LJ-7219 | (use with LJ-6210) | S-7219 (P) |
| LJ-7419 | (use with LJ-6400) | S-7419 (P) |
| LJ-7519 | (use with LJ-6519) | S-7519 (P) |
| LJ-7619 | (use with LJ-6601) | S-7619 (P) |
| LJ-7719 | (use with LJ-6701) | S-7719 (P) |
| LJ-7919 | (use with LJ-6900) | S-7919 (P) |
| LJ-7A19 | (use with LJ-6A10) | S-7A19 (P) |
| LJ-7B19 | (use with LJ-6B10) | S-7B19 (P) |

Custom angles are also available. Call your supplier for details.

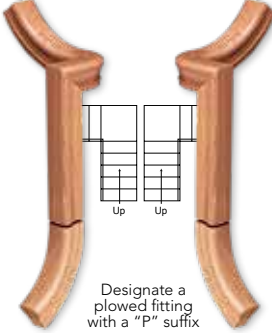
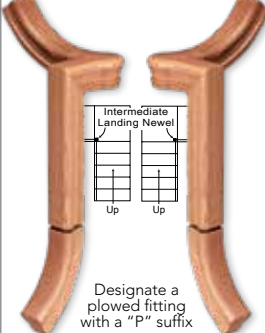
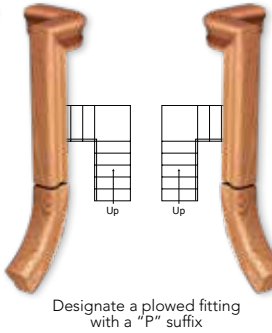
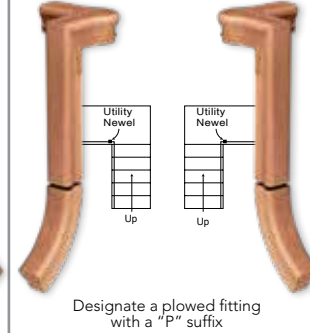








**Traditional Left Hand  
"S" Shaped Fitting**

|         |                    |         |
|---------|--------------------|---------|
| LJ-7047 | (use with LJ-6010) | LJ-7048 |
| LJ-7147 | (use with LJ-6109) | LJ-7148 |
| LJ-7247 | (use with LJ-6210) | LJ-7248 |
| LJ-7447 | (use with LJ-6400) | LJ-7448 |
| LJ-7547 | (use with LJ-6519) | LJ-7548 |
| LJ-7647 | (use with LJ-6601) | LJ-7648 |
| LJ-7747 | (use with LJ-6701) | LJ-7748 |
| LJ-7947 | (use with LJ-6900) | LJ-7948 |
| LJ-7A47 | (use with LJ-6A10) | LJ-7A48 |
| LJ-7B47 | (use with LJ-6B10) | LJ-7B48 |


**Traditional Right Hand  
"S" Shaped Fitting**

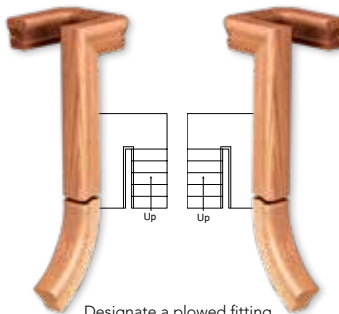
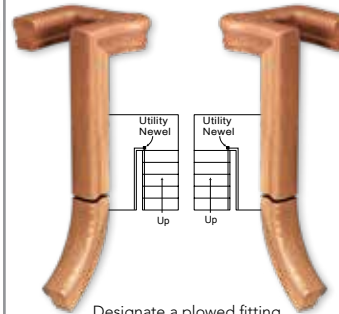
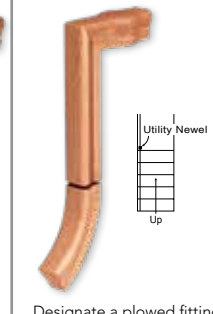
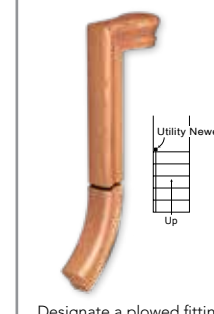
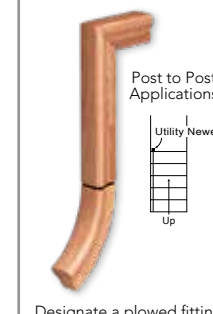
# Handrail Fittings

We offer traditional 2-rise gooseneck fittings shown on the top of these two pages. Goosenecks (Landing Fitting Assemblies) can also be assembled from various combinations of the seven Conect-A-Kit component fittings shown along the left edge of this page. Use the chart on these

| <p>How to use this chart — Each box to the right shows a group of traditional gooseneck fittings. The rows below each group indicate which Conect-A-Kit component fittings, and how many of each, are required to build <u>any</u> one of the corresponding gooseneck fittings in the group. After you've determined which component fittings are needed, refer to pages 73-74 for the respective fitting part numbers to match your chosen handrail.</p> | <div><p>Designate a plowed fitting with a "P" suffix</p><table><thead><tr><th>Traditional LH Gooseneck</th><th>Traditional RH Gooseneck</th></tr></thead><tbody><tr><td>S-7050.....(use with LJ-6010).....</td><td>S-7055</td></tr><tr><td>S-7150.....(use with LJ-6109).....</td><td>S-7155</td></tr><tr><td>S-7250.....(use with LJ-6210).....</td><td>S-7255</td></tr><tr><td>S-7450.....(use with LJ-6400).....</td><td>S-7455</td></tr><tr><td>S-7550.....(use with LJ-6519).....</td><td>S-7555</td></tr><tr><td>S-7650.....(use with LJ-6601).....</td><td>S-7655</td></tr><tr><td>S-7750.....(use with LJ-6701).....</td><td>S-7755</td></tr><tr><td>S-7950.....(use with LJ-6900).....</td><td>S-7955</td></tr><tr><td>S-7A50.....(use with LJ-6A10).....</td><td>S-7A55</td></tr><tr><td>S-7B50.....(use with LJ-6B10).....</td><td>S-7B55</td></tr></tbody></table></div> | Traditional LH Gooseneck | Traditional RH Gooseneck | S-7050.....(use with LJ-6010)..... | S-7055 | S-7150.....(use with LJ-6109)..... | S-7155 | S-7250.....(use with LJ-6210)..... | S-7255 | S-7450.....(use with LJ-6400)..... | S-7455 | S-7550.....(use with LJ-6519)..... | S-7555 | S-7650.....(use with LJ-6601)..... | S-7655 | S-7750.....(use with LJ-6701)..... | S-7755 | S-7950.....(use with LJ-6900)..... | S-7955 | S-7A50.....(use with LJ-6A10)..... | S-7A55 | S-7B50.....(use with LJ-6B10)..... | S-7B55 | <div><p>Designate a plowed fitting with a "P" suffix</p><table><thead><tr><th>Traditional LH Gooseneck</th><th>Traditional RH Gooseneck</th></tr></thead><tbody><tr><td>S-7060.....(use with LJ-6010) ...</td><td>S-7065</td></tr><tr><td>S-7160.....(use with LJ-6109) ...</td><td>S-7165</td></tr><tr><td>S-7260.....(use with LJ-6210) ...</td><td>S-7265</td></tr><tr><td>S-7460.....(use with LJ-6400) ...</td><td>S-7465</td></tr><tr><td>S-7560.....(use with LJ-6519) ...</td><td>S-7565</td></tr><tr><td>S-7660.....(use with LJ-6601) ...</td><td>S-7665</td></tr><tr><td>S-7760.....(use with LJ-6701) ...</td><td>S-7765</td></tr><tr><td>S-7960.....(use with LJ-6900) ...</td><td>S-7965</td></tr><tr><td>S-7A60.....(use with LJ-6A10)...</td><td>S-7A65</td></tr><tr><td>S-7B60.....(use with LJ-6B10)...</td><td>S-7B65</td></tr></tbody></table></div> | Traditional LH Gooseneck | Traditional RH Gooseneck | S-7060.....(use with LJ-6010) ... | S-7065 | S-7160.....(use with LJ-6109) ... | S-7165 | S-7260.....(use with LJ-6210) ... | S-7265 | S-7460.....(use with LJ-6400) ... | S-7465 | S-7560.....(use with LJ-6519) ... | S-7565 | S-7660.....(use with LJ-6601) ... | S-7665 | S-7760.....(use with LJ-6701) ... | S-7765 | S-7960.....(use with LJ-6900) ... | S-7965 | S-7A60.....(use with LJ-6A10)... | S-7A65 | S-7B60.....(use with LJ-6B10)... | S-7B65 | <div><p>Designate a plowed fitting with a "P" suffix</p><table><thead><tr><th>Traditional LH Gooseneck</th><th>Traditional RH Gooseneck</th></tr></thead><tbody><tr><td>S-7071.....(use with LJ-6010) ....</td><td>S-7076</td></tr><tr><td>S-7171.....(use with LJ-6109).....</td><td>S-7176</td></tr><tr><td>S-7271.....(use with LJ-6210).....</td><td>S-7276</td></tr><tr><td>S-7471.....(use with LJ-6400).....</td><td>S-7476</td></tr><tr><td>S-7571.....(use with LJ-6519).....</td><td>S-7765</td></tr><tr><td>S-7671.....(use with LJ-6601).....</td><td>S-7676</td></tr><tr><td>S-7771.....(use with LJ-6701).....</td><td>S-7776</td></tr><tr><td>S-7971.....(use with LJ-6900).....</td><td>S-7976</td></tr><tr><td>S-7A71.....(use with LJ-6A10).....</td><td>S-7A76</td></tr><tr><td>S-7B71.....(use with LJ-6B10).....</td><td>S-7B76</td></tr></tbody></table></div> | Traditional LH Gooseneck | Traditional RH Gooseneck | S-7071.....(use with LJ-6010) .... | S-7076 | S-7171.....(use with LJ-6109)..... | S-7176 | S-7271.....(use with LJ-6210)..... | S-7276 | S-7471.....(use with LJ-6400)..... | S-7476 | S-7571.....(use with LJ-6519)..... | S-7765 | S-7671.....(use with LJ-6601)..... | S-7676 | S-7771.....(use with LJ-6701)..... | S-7776 | S-7971.....(use with LJ-6900)..... | S-7976 | S-7A71.....(use with LJ-6A10)..... | S-7A76 | S-7B71.....(use with LJ-6B10)..... | S-7B76 | <div><p>Designate a plowed fitting with a "P" suffix</p><table><thead><tr><th>Traditional LH Gooseneck</th><th>Traditional RH Gooseneck</th></tr></thead><tbody><tr><td>S-7081.....(use with LJ-6010) ....</td><td>S-7086</td></tr><tr><td>S-7181.....(use with LJ-6109).....</td><td>S-7186</td></tr><tr><td>S-7281.....(use with LJ-6210).....</td><td>S-7286</td></tr><tr><td>S-7481.....(use with LJ-6400).....</td><td>S-7486</td></tr><tr><td>S-7581.....(use with LJ-6519).....</td><td>S-7586</td></tr><tr><td>S-7681.....(use with LJ-6601).....</td><td>S-7686</td></tr><tr><td>S-7781.....(use with LJ-6701).....</td><td>S-7786</td></tr><tr><td>S-7981.....(use with LJ-6900).....</td><td>S-7986</td></tr><tr><td>S-7A81.....(use with LJ-6A10).....</td><td>S-7A86</td></tr><tr><td>S-7B81.....(use with LJ-6B10).....</td><td>S-7B86</td></tr></tbody></table></div> | Traditional LH Gooseneck | Traditional RH Gooseneck | S-7081.....(use with LJ-6010) .... | S-7086 | S-7181.....(use with LJ-6109)..... | S-7186 | S-7281.....(use with LJ-6210)..... | S-7286 | S-7481.....(use with LJ-6400)..... | S-7486 | S-7581.....(use with LJ-6519)..... | S-7586 | S-7681.....(use with LJ-6601)..... | S-7686 | S-7781.....(use with LJ-6701)..... | S-7786 | S-7981.....(use with LJ-6900)..... | S-7986 | S-7A81.....(use with LJ-6A10)..... | S-7A86 | S-7B81.....(use with LJ-6B10)..... | S-7B86 |
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| Traditional LH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                  | Traditional RH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| S-7050.....(use with LJ-6010).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7150.....(use with LJ-6109).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7250.....(use with LJ-6210).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7450.....(use with LJ-6400).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7550.....(use with LJ-6519).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7650.....(use with LJ-6601).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7655                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7750.....(use with LJ-6701).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7755                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7950.....(use with LJ-6900).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7955                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7A50.....(use with LJ-6A10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7A55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7B50.....(use with LJ-6B10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7B55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Traditional LH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                  | Traditional RH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| S-7060.....(use with LJ-6010) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7065                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7160.....(use with LJ-6109) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7260.....(use with LJ-6210) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7460.....(use with LJ-6400) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7560.....(use with LJ-6519) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7565                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7660.....(use with LJ-6601) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7760.....(use with LJ-6701) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7960.....(use with LJ-6900) ...                                                                                                                                                                                                                                                                                                                                                                                                                         | S-7965                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7A60.....(use with LJ-6A10)...                                                                                                                                                                                                                                                                                                                                                                                                                          | S-7A65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7B60.....(use with LJ-6B10)...                                                                                                                                                                                                                                                                                                                                                                                                                          | S-7B65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7071.....(use with LJ-6010) ....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7076                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7171.....(use with LJ-6109).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7176                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7271.....(use with LJ-6210).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7276                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7471.....(use with LJ-6400).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7476                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7571.....(use with LJ-6519).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7671.....(use with LJ-6601).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7676                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7771.....(use with LJ-6701).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7776                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7971.....(use with LJ-6900).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7976                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7A71.....(use with LJ-6A10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7A76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7B71.....(use with LJ-6B10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7B76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Traditional LH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                  | Traditional RH Gooseneck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| S-7081.....(use with LJ-6010) ....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7181.....(use with LJ-6109).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7186                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7281.....(use with LJ-6210).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7286                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7481.....(use with LJ-6400).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7486                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7581.....(use with LJ-6519).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7586                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7681.....(use with LJ-6601).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7686                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7781.....(use with LJ-6701).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7786                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7981.....(use with LJ-6900).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7986                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7A81.....(use with LJ-6A10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7A86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| S-7B81.....(use with LJ-6B10).....                                                                                                                                                                                                                                                                                                                                                                                                                        | S-7B86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| <div><p>Conect-A-Kit Returned End<br/>LJ-7X09</p></div>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <div><p>Conect-A-Kit Quarterturn 90°<br/>LJ-7X11</p></div>                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| <div><p>Conect-A-Kit Upeasing 60°<br/>LJ-7X12</p></div>                                                                                                                                                                                                                                                                                                                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| <div><p>Conect-A-Kit Opening Cap<br/>LJ-7X19</p></div>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div><p>Conect-A-Kit Tandem Cap<br/>LJ-7X20</p></div>                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div><p>Conect-A-Kit Quarterturn w/Cap<br/>LJ-7X21</p></div>                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div><p>Conect-A-Kit Rail Drop<br/>LJ-7XRD</p></div>                                                                                                                                                                                                                                                                                                                   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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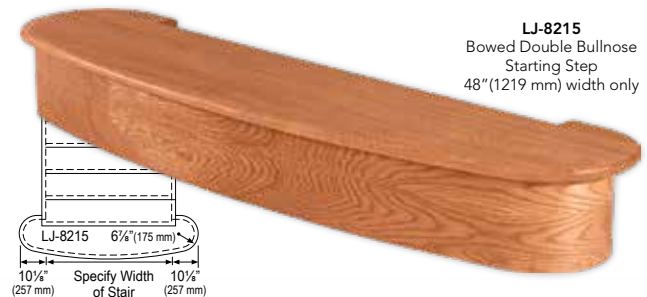
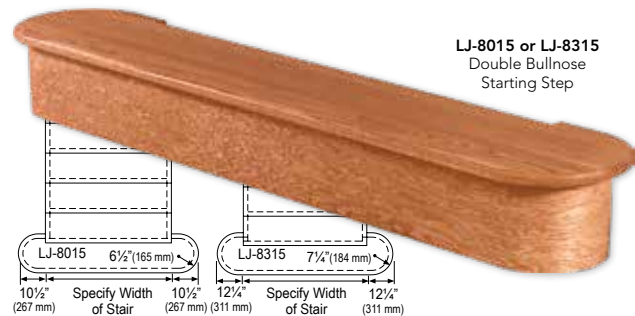
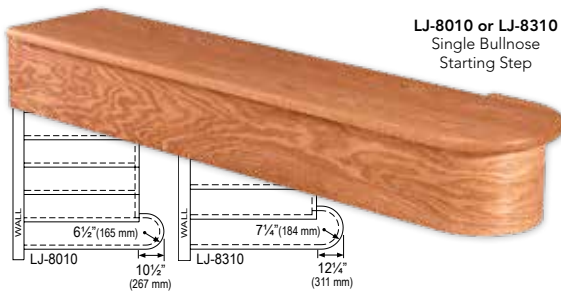
two pages to determine which Conect-A-Kit fittings to order for making the corresponding goosenecks (Landing Fitting Assemblies) shown across the top.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
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|  <p>Designate a plowed fitting with a "P" suffix</p> <p><b>Traditional LH Gooseneck</b></p> <p>S-7090-2.....(use with LJ-6010) .....S-7095-2<br/>S-7190-2.....(use with LJ-6109) .....S-7195-2<br/>S-7290-2.....(use with LJ-6210) .....S-7295-2<br/>S-7490-2.....(use with LJ-6400) .....S-7495-2<br/>S-7590-2.....(use with LJ-6519) .....S-7595-2<br/>S-7690-2.....(use with LJ-6601) .....S-7695-2<br/>S-7790-2.....(use with LJ-6701) .....S-7795-2<br/>S-7990-2.....(use with LJ-6900) .....S-7995-2<br/>S-7A90-2.....(use with LJ-6A10).....S-7A95-2<br/>S-7B90-2.....(use with LJ-6B10).....S-7B95-2</p> |  <p>Designate a plowed fitting with a "P" suffix</p> <p><b>Traditional LH Gooseneck</b></p> <p>S-7091-2.....(use with LJ-6010) .....S-7092-2<br/>S-7191-2.....(use with LJ-6109) .....S-7192-2<br/>S-7291-2.....(use with LJ-6210) .....S-7292-2<br/>S-7491-2.....(use with LJ-6400) .....S-7492-2<br/>S-7591-2.....(use with LJ-6519) .....S-7592-2<br/>S-7691-2.....(use with LJ-6601) .....S-7692-2<br/>S-7791-2.....(use with LJ-6701) .....S-7792-2<br/>S-7991-2.....(use with LJ-6900) .....S-7992-2<br/>S-7A91-2.....(use with LJ-6A10).....S-7A92-2<br/>S-7B91-2.....(use with LJ-6B10).....S-7B92-2</p> |  <p>Designate a plowed fitting with a "P" suffix</p> <p><b>Traditional Tandem Cap Gooseneck</b></p> <p>S-7088-2.....(use with LJ-6010)<br/>S-7188-2.....(use with LJ-6109)<br/>S-7288-2.....(use with LJ-6210)<br/>S-7488-2.....(use with LJ-6400)<br/>S-7588-2.....(use with LJ-6519)<br/>S-7688-2.....(use with LJ-6601)<br/>S-7788-2.....(use with LJ-6701)<br/>S-7988-2.....(use with LJ-6900)<br/>S-7A88-2.....(use with LJ-6A10)<br/>S-7B88-2.....(use with LJ-6B10)</p> |  <p>Designate a plowed fitting with a "P" suffix</p> <p><b>Traditional Cap Gooseneck</b></p> <p>S-7097.....(use with LJ-6010)<br/>S-7197.....(use with LJ-6109)<br/>S-7297.....(use with LJ-6210)<br/>S-7497.....(use with LJ-6400)<br/>S-7597.....(use with LJ-6519)<br/>S-7697.....(use with LJ-6601)<br/>S-7797.....(use with LJ-6701)<br/>S-7997.....(use with LJ-6900)<br/>S-7A97.....(use with LJ-6A10)<br/>S-7B97.....(use with LJ-6B10)</p> |  <p>Designate a plowed fitting with a "P" suffix</p> <p><b>Traditional Gooseneck</b></p> <p>S-7099.....(use with LJ-6010)<br/>S-7199.....(use with LJ-6109)<br/>S-7299.....(use with LJ-6210)<br/>S-7499.....(use with LJ-6400)<br/>S-7599.....(use with LJ-6519)<br/>S-7699.....(use with LJ-6601)<br/>S-7799.....(use with LJ-6701)<br/>S-7999.....(use with LJ-6900)<br/>S-7A99.....(use with LJ-6A10)<br/>S-7B99.....(use with LJ-6B10)</p> |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>1</b> |
| <b>2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
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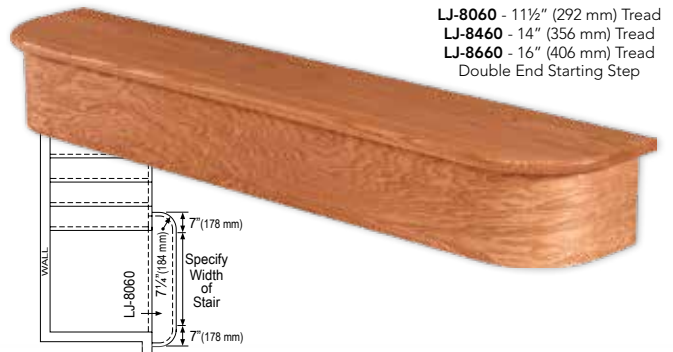
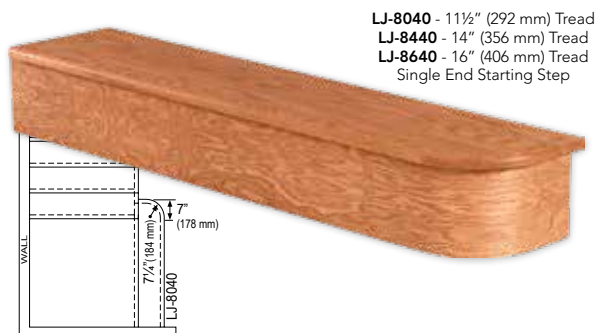
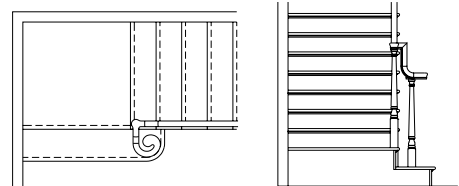
# Starting Steps

We offer a wide variety of Starting Steps to accommodate nearly any application. Each step is shipped with the necessary cove and shoe moulding. The standard length is 48" (1219 mm), however, longer lengths are also available. Single bullnose steps are reversible and can be job cut for shorter lengths. Specifications: Treads are 1" (25 mm) x 11 1/2" (292 mm); total rise on all steps is 8" (203 mm); risers measure 3/4" (19 mm) x 7" (178 mm).

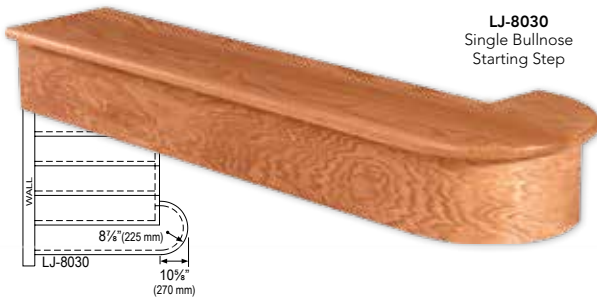
**Steps for use with Volutes and Turnouts** — For LJ-6010, LJ-6210, LJ-6601, LJ-6900, LJ-6A10, LJ-6B10 turnouts and standard volutes, and LJ-6701 turnouts, use LJ-8010, LJ-8015, LJ-8210, and LJ-8215 starting steps. For LJ-6109, LJ-6400, LJ-6519 turnouts and standard volutes, LJ-6701 standard volutes, and all climbing volutes, use LJ-8310 and LJ-8315 starting steps.



**Steps for use with Square Top Newels, Box Newels and 90° Starting Fittings** — For Box Newels or when placing any square top utility newel at the second riser, use LJ-8040 and LJ-8060 steps. For starting fittings utilizing a 90° up easing, as illustrated to the right, use LJ-8440, LJ-8460, LJ-8640 and LJ-8660 steps. For LJ-6010, LJ-6210, LJ-6601, LJ-6A10, LJ-6B10 profiles of turnouts and standard volutes, or LJ-6109 and LJ-6701 turnouts, use LJ-8440 and LJ-8460 steps. For LJ-6109, LJ-6701 standard volutes, or LJ-6519, LJ-6400 and LJ-6900 turnouts and standard volutes, use LJ-8640 and LJ-8660 steps.



**Starting Steps for use with Box Newels** — Our LJ-8030 and LJ-8050 steps are for use with any of our Box Newels.



**Treads, Risers, Skirtboard and Mouldings** — Our treads (except hybrid treads) and risers are available in 36" (914 mm), 42" (1067 mm), 48" (1219 mm), 54" (1372 mm), 60" (1524 mm) and 72" (1829 mm) lengths. See descriptions below the other products for their available lengths.

**LJ-8070MR2\*\***  
**LJ-8870MR2†\*\***  
Tread with Miter Returns on both ends  
1" x 10 1/2" or 11 1/2"  
(25 mm x 267 mm or 292 mm)



**LJ-8070**  
**LJ-8870†**  
Plain Tread  
1" x 10 1/2" or 11 1/2"  
(25 mm x 267 mm or 292 mm)

† Tread with Square Nose  
1" x 11 1/2"  
(25 mm x 292 mm)

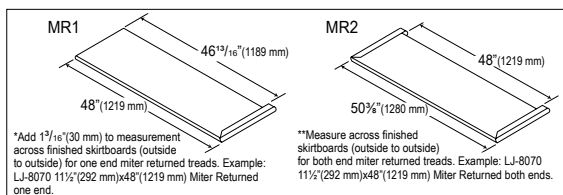


Hybrid treads are for use on stairways that will receive carpeting over the treads and risers, leaving the end of the tread exposed.

**LJ-8074MR1 Reversible\***  
Hybrid Reversible Tread with Miter Return on one end for LH or RH applications  
1" x 11 1/2" x 48" or 60"  
(25 mm x 292 mm x 1219 mm, 1372 mm or 1524 mm)



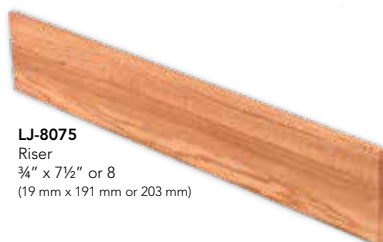
**LJ-8070LH\***  
Tread with Miter Return Left Hand  
**LJ-8070RH\***  
Tread with Miter Return Right Hand  
**LJ-8070MR1 Reversible\***  
**LJ-8870MR1 Reversible†\***  
Tread with Miter Return on one end, but is reversible for LH or RH  
All above are 1" x 10 1/2" or 11 1/2" (25 mm x 267 mm or 292 mm)



**LJ-8912**  
Skirtboard  
3/4" x 11 1/4" x 8', 12', 14' and 16'  
(19 mm x 286 mm x 2438 mm, 3658 mm, 4267 mm and 4877 mm)

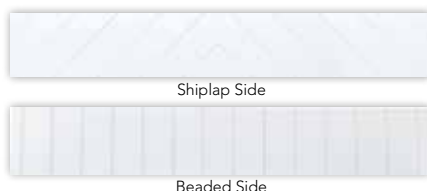


**BOXTRD**  
Face Laminated Solid Tread  
3 1/2" x 11 1/2" x 42" or 48"  
(89 mm x 292 mm x 1067 mm or 1219 mm)



**LJ-8075**  
Riser  
3/4" x 7 1/2" or 8"  
(19 mm x 191 mm or 203 mm)

**LJ-8075REV-PR**  
Reversible Primed Riser  
3/4" x 7 1/2" x 48", 54" or 60"  
(19 mm x 191 mm x 1219 mm, 1372 mm or 1524 mm)



**LJ-8095**  
Lineal Cove Moulding  
5/8" (16 mm) x 1 3/16" (21 mm) x random length



**LJ-8080**  
Lineal Tread Nosing  
1 1/4" (32 mm) x 1 1/32" (26 mm) x random length  
**LJ-8080-13**  
Single Tread Return  
1 1/4" (32 mm) x 1 1/32" (26 mm) x 13" (330 mm)



**LJ-8950**  
Skirtboard Cap Moulding  
1 1/16" (17 mm) x 1 1/8" (29 mm) x random length



**LJ-8090**  
3 1/2" (89 mm) Landing Tread



**LJ-8090-5**  
5 1/4" (133 mm) Landing Tread



**LJ-8422**  
Lineal Shoe Moulding  
1/2" (13 mm) x 3/4" (19 mm) x random length



**LJ-8895**  
Lineal Shoe/Cove/Trim Moulding  
3/4" (19 mm) x 3/4" (19 mm) x random length



**LJ-8890-5**  
5 1/4" (133 mm) Landing Tread



# Rosettes & Brackets

**Rosettes** — Rosettes are used to cap off handrail any time it ends at a wall.



**LJ-7026**  
4 9/16" Round  
(116 mm)

Side Profile of  
each Rosette  
3/4" thick  
(19 mm)



**LJ-7027**  
6 1/2" x 4 7/16"  
(165 mm x 113 mm)

**LJ-7033**  
6" x 4 5/16"  
(152 mm x 110 mm)



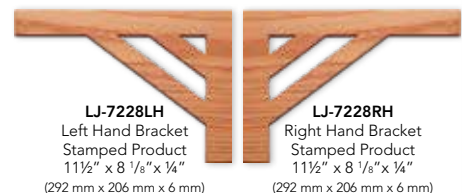
**Stair Brackets** — These decorative brackets upgrade any open tread stair.



**LJ-7028**  
11 1/2" x 8 1/8" x 5/16"  
(292 mm x 206 mm x 8 mm)

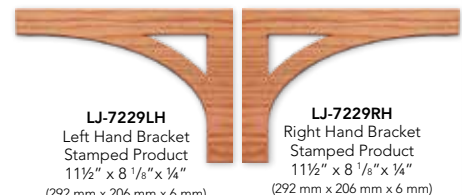


**LJ-7029**  
11 1/2" x 8 1/8" x 5/16"  
(292 mm x 206 mm x 8 mm)



**LJ-7228LH**  
Left Hand Bracket  
Stamped Product  
11 1/2" x 8 1/8" x 1/4"  
(292 mm x 206 mm x 6 mm)

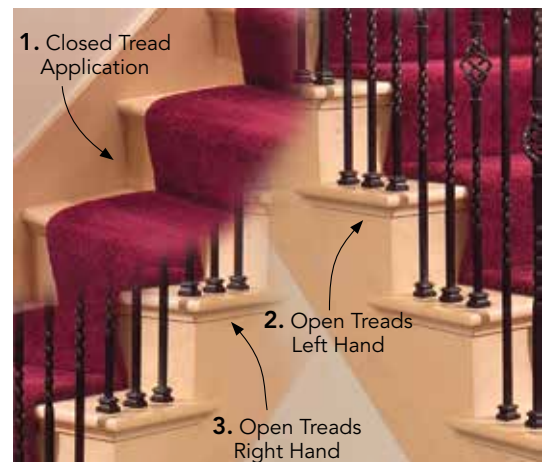
**LJ-7228RH**  
Right Hand Bracket  
Stamped Product  
11 1/2" x 8 1/8" x 1/4"  
(292 mm x 206 mm x 6 mm)



**LJ-7229LH**  
Left Hand Bracket  
Stamped Product  
11 1/2" x 8 1/8" x 1/4"  
(292 mm x 206 mm x 6 mm)

**LJ-7229RH**  
Right Hand Bracket  
Stamped Product  
11 1/2" x 8 1/8" x 1/4"  
(292 mm x 206 mm x 6 mm)

## False Tread Kit Applications



**False Ends** — False Starting Steps and False Treads and Risers are often used when carpeting will be placed on the center of the treads and risers on a stairway. We offer a variety of kits for finishing off your stairway treads.



**LJ-8010-2**

### False End Starting Step

Use with the same starting fittings as is used with our LJ-8010 full starting step (see page 77)

**LJ-8310-2**

### False End Starting Step

Use with the same starting fittings as is used with our LJ-8310 full starting step (see page 77)

A false end step is used when a volute or turnout is utilized at the bottom of the stairway. Each kit includes cove and shoe moulding, and is reversible for right hand and left hand applications.

**LJ-8879**

### Double Miter Return False Tread Kit

This kit can accommodate applications 1, 2 or 3, as pictured above. Tread with attached moulding is 12 5/8" x 7 5/16" (321 mm x 186 mm) Riser is 7 3/4" x 6 1/2" x 1/2" (197 mm x 165 mm x 13 mm)



**LJ-8079**  
False Tread Kit

This kit can accommodate applications 1, 2, or 3 pictured above. Tread is 11" x 6" x 1/2" (279 mm x 152 mm x 13 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)

**LJ-8179**

### Double Miter Return False Tread Kit

This kit can accommodate applications 2 & 3, as pictured above. Tread with attached moulding is 12 1/2" x 7 1/4" (318 mm x 184 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)



**LJ-8078**  
Lineal False Tread Moulding  
1 1/4" (32 mm) x 1 13/16" (21 mm) x random length

**LJ-8172**

### Closed False Tread Kit

This kit can accommodate application 1, as pictured above. Tread with attached moulding is 12 1/4" x 6" (311 mm x 152 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm or 13 mm)



**LJ-8076**

### False Riser

Use with S-8071LH, S-8071RH or S-8072 to accommodate applications 1, 2 or 3 pictured above. 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)

**S-8071LH**  
Left Hand False Tread

Use with LJ-8076 to accommodate application 2 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

**S-8071RH**

### Right Hand False Tread

Use with LJ-8076 to accommodate application 3 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

**S-8072**

### False Tread

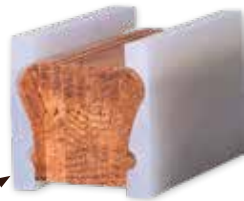
Use with LJ-8076 to accommodate application 1 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

# Bending Rails

**Bending Rail** — Many of our handrail profiles shown throughout this catalog are available in bending rail for applications requiring curved handrail. Corresponding bending mould to match the chosen handrail is necessary for forming the desired radius. Bending moulds are available separately in random lengths. Our bending rails are available in 8', 10', 12', 14', & 16' lengths. The dimensions of each of our bending rails match their corresponding straight rail profile. Our bending rails are shown below along with the rake and level radius limitations to which each can be bent.



**LJ-6010B**  
7 pieces  
Bending Radius:  
Rake - 30" (762 mm)  
Level - 36" (914 mm)



**LJ-6210B**  
8 pieces  
Bending Radius:  
Rake - 30" (762 mm)  
Level - 36" (914 mm)

**LJ-6010BM or LJ-6910BM\***  
Bending Mould for  
LJ-6010B or LJ-6210B



**LJ-6109B**  
9 pieces  
Bending Radius:  
Rake - 36" (914 mm)  
Level - 48" (1219 mm)

Does not require  
Bending Mould



**LJ-6519B**  
7 pieces  
Bending Radius:  
Rake - 54" (1372 mm)  
Level - 60" (1524 mm)

**LJ-6519BM**  
Pine Bending Mould  
for LJ-6519B



**LJ-6601B**  
7 pieces  
Bending Radius:  
Rake - 30" (762 mm)  
Level - 36" (914 mm)

**LJ-6601BM**  
Pine Bending Mould  
for LJ-6601B



**LJ-6701B**  
10 pieces  
Bending Radius:  
Rake - 30" (762 mm)  
Level - 36" (914 mm)

**LJ-6701BM**  
Pine Bending Mould  
for LJ-6701B



**LJ-6900B**  
8 pieces  
Bending Radius:  
Rake - 54" (1372 mm)  
Level - 60" (1524 mm)

**LJ-6900BM**  
Pine Bending Mould  
for LJ-6900B



**LJ-6A10B**  
7 pieces  
Bending Radius:  
Rake - 30" (762 mm)  
Level - 36" (914 mm)

**LJ-6A10BM**  
Pine Bending Mould  
for LJ-6A10B



**LJ-6B10B**  
7 pieces  
Bending Radius:  
Rake - 36" (914 mm)  
Level - 48" (1219 mm)

**LJ-6B10BM\***  
Bending Mould  
for LJ-6B10B

\*LJ-6910BM and LJ-6B10BM Enduromolds are reusable polyvinyl bending moulds. Glue does not stick to the surface. Both profiles are available in 8' (2438 mm) lengths only.



**Bending rails are typically used on circular or spiral stairs, and curved balconies.**

Pictured Left: This elegant stair features LJ-6900B Bending Handrail and Climbing Volutes with LJB-2915 Beaded Balusters and LJB-3910 Beaded Newel Posts.

Pictured Right: Highlighted in this classic stairway design is LJ-6519B Bending Handrail and Climbing Volute with LIH-HOL14044, LIH-HOL15044, LIH-HOL14344, LIH-HOL30144 Iron Balusters, and LJF-3010 Fluted Newel Posts.





# Wall Rails

**Wall Rail** — We offer four profiles of wall rail and corresponding fittings for three of the profiles. Wall rail is used along the wall(s) of stairways that have a full or partial wall on one or both sides. Wall rail brackets are utilized for attaching wall rail to the wall.



**Wall Rail Brackets** — Our wide variety of wall rail brackets provide several styles and many finishes from which to choose. The measurement from the wall to the handrail centerline on LJ-3012 and LJ-3127 brackets is 2¾" (70 mm) and LJ-3128 is 3¼" (83 mm). NOTE: Finish color may vary.

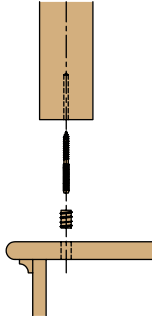




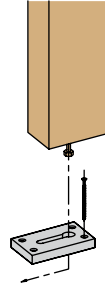
# Installation Hardware

L.J. Smith offers a full line of installation hardware designed specifically for stair installers to improve the strength and quality of L.J. Smith stairway installations.

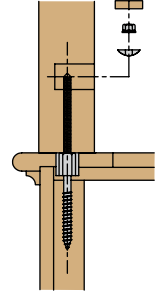
## Newel Mounting Hardware



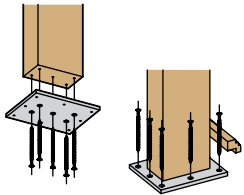
**LJ-3004 Newel Mounting Kit**—This kit is fully concealable. Use on finished floor surfaces, landings, and starting steps.



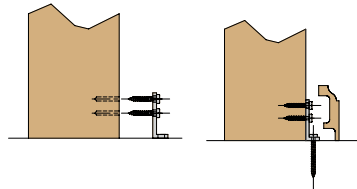
**LJ-3005 Keylock™ Newel Post Fastener** — This kit is fully concealable. Use on finished floor surfaces, stairs, ceramic tile and concrete.



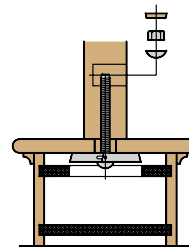
**LJ-3070 Threadlock™ Newel Post Fastener** — Use to mount newel posts on finished floor surfaces.



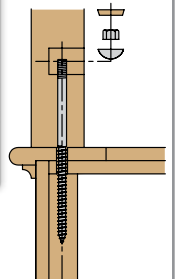
**LJ-3006 Newel Mounting Plate** — Use to mount 3" (76 mm) to 3½" (89 mm) newel posts on finished floor surfaces.



**LJ-3009 (for 3" (76 mm) newels)**  
**LJ-3019 (for 3½" (89 mm) newels)**  
**Angle Bracket Newel Post Fastener** — Use to mount newel posts on finished floor surfaces.



**LJ-3071 Toggle Bolt Newel Mounting Kit** — Use to mount newel posts on starting steps.

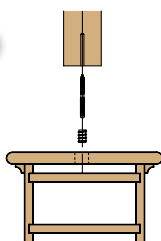


**LJ-3008 (16" (406 mm) lag bolt)**  
**LJ-3008-10 (10¾" (273 mm) lag bolt)**  
**Hanger Bolt Newel Mounting Kit** — Use to mount newel posts on finished floor surfaces.

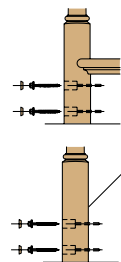
**LJ-3007HDWE Hardware Kit** — This kit includes a variety of hardware used to install a utility newel and a starting fitting.



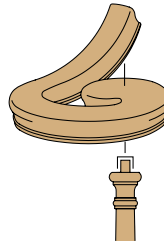
Use to flush mount the utility newel on a starting step or other finished floor surface



Use to face mount the utility newel to the face of the riser or end of a kneewall







Use the perforated metal strip to attach the starting fitting to the utility newel




**ZIPBOLT SUPER UT**  
Use to mount newel posts on finished floor surfaces for a strong connection. Includes driver.

L.J. Smith offers a variety of installation hardware and tools designed specifically for stair installers to improve the strength and quality of L.J. Smith stairway installations.


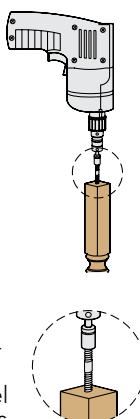

## Miscellaneous Hardware

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>LJ-3077 Rails2Post Connector™</b> — Use this kit to connect two rails to a post to post newel on a level run. It is simple to use and provides a quicker and stronger installation than rail bolts. For 3", 3 1/4" and 3 1/2" newels.</p>  |   <p><b>LJ-3076 Dowel-Fast Screws</b> — Pack of 50 5/16"x2 1/2" full thread dowel screws to attach wood balusters to treads and landing tread.</p>                          |  <p><b>LJ-3078 Rail &amp; Post Fastener</b> — Use to fasten handrails to newel posts or newel posts to stair risers.</p>                                                                                                                          |
|  <p><b>LJ-3079* LJ-3080 (10 Pack) Rail Bolt Kit(s)</b><br/>Use to attach handrail to: handrail, fitting, newel, wall; or fittings to fittings.<br/>*To order items separately use: LJ-3001 for bolt, washer and nut and use LJ-3000 for plug.</p>                                                                                 |  <p><b>LJ-3020 Wood Glue</b><br/>Aliphatic resin in Pressure Point syringe for neat and accurate placement of glue.<br/><b>LJ-3022 LJ-3023 (10 Pack) Realwood</b><br/>Water-based putty in Pressure Point syringe fills defects, cracks and nail holes.</p> |  <p><b>LIH-HOL1/2CONCEAL</b> — This fastener is used to install our 1/2" hollow square iron balusters on open tread stairs, kneewall stairs and level runs for a clean finished look without the need for adhesive or shoes. Patent Pending.</p> |
|  <p><b>LJ-3024 (100 Pack) 1/2" (13 mm) Tapered Plugs</b><br/><b>LJ-3025 (25 Pack) 1" (25 mm) Tapered Plugs</b><br/>Face grain tapered plugs are designed for flush mount installations to cover bolt holes in handrail and newel posts.</p>                                                                                      |  <p><b>LJ-3026 (50 Pack) 1/2" (13 mm) Button Plugs</b><br/>Face grain button plugs are used to cover bolt holes in newel posts.</p>                                                                                                                        |                                                                                                                                                                                                                                                 |



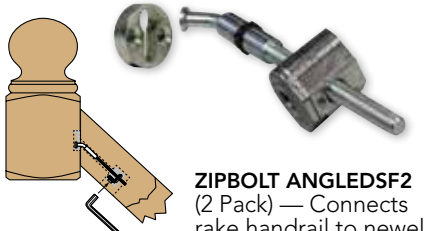


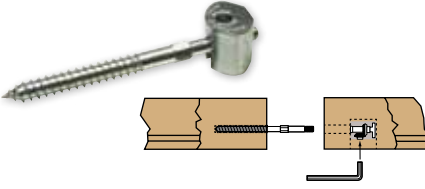


**LIH-HOLINSERTW/SCREW** — This kit is used to install our 1/2" hollow square iron balusters on open treads and level runs for a clean finished look without the need for adhesive or shoes.

## Baluster and Handrail Tools

|                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   <p><b>LJ-3033 Dowel-Runner®</b> — This drill attachment has lag threads to drive dowel screws into baluster bases.</p> |  <p><b>LJ-3044 VersaTool™</b> — Locates holes as well as starts and tightens hex nuts onto rail bolts. Drives 5/16" rail bolts and tightens 1/2" hex nuts. Also used to locate 1/4" pilot hole on handrails &amp; rail drops for attaching to Connect-A-Kit® handrail fittings.</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

L.J. Smith offers a variety of hardware and tools designed specifically for stair installers to improve the strength and quality of L.J. Smith stairway installations.

## ZipBolt Hardware and Tools

|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  |                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>ZIPBOLT ANGLED SF2</b><br/>(2 Pack) — Connects rake handrail to newel. Includes driver.</p>                                                                                                                                                                                                                |  <p><b>ZIPBOLT ANGLED</b><br/><b>ZIPBOLT ANGLED2</b> (2 Pack)<br/>Connects rake handrail to newel. 2 Pack includes driver.</p> |  <p><b>ZIPBOLT SLIPFIX2</b><br/>(2 Pack) — Connects level handrail to newel. Includes driver.</p>    |
|  <p><b>ZIPBOLT RAILBOLT</b><br/><b>ZIPBOLT RAILBOLT2</b> (2 Pack) Connects handrail to fitting or handrail to handrail. 2 Pack includes driver.</p> <p><b>ZIPBOLT MICRORB2</b> (2 Pack) Designed for smaller handrail profiles such as wall rails. Connects rail to fitting or rail to rail. Includes driver.</p> |  <p><b>ZIPBOLT DRILL GUIDE</b> — Use to align and drill ZipBolt connection holes.</p>                                           |  <p><b>ZIPBOLT DRIVER</b> — Fits all ZipBolt connectors and is used in place of an allen wrench.</p> |

**Hardware Installation Videos** — Visit [LJSmith.com](http://LJSmith.com) to view our many hardware installation videos



Angle Bracket Newel Post Fastener (LJ-3009/LJ-3019)



Keylock Newel Post Fastener (LJ-3003)



Hanger Bolt Newel Mounting Kit (LJ-3006)



Newel Mounting Kit (LJ-3004)



Newel Mounting Plate (LJ-3006)



ZipBolt RailBolt Installation



ZipBolt Level Slipfix Installation



ZipBolt Angled and Angled Slipfix Installation



ZipBolt Drill Bit Guide



# Ordering Guidelines



## WOOD POST TO POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Wood Post to Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 34" - 38" rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

| Item                                              | Guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Page              | Part # | Qty. |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|------|
| 1 SKIRTBOARD                                      | Select skirtboard at 13" per tread, plus any additional length desired for extension beyond the first and last risers. Be sure to order enough skirtboard for both sides of the stairway.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 78                |        |      |
| 2 TREADS                                          | Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 78-79             |        |      |
| 3 RISERS                                          | Select one riser for each step. Select one more riser than treads per each flight because of landing tread (see #4). Note: Landing tread replaces the nosing over the last riser. For false risers see page 79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 78-79             |        |      |
| 4 LANDING TREAD                                   | Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 78                |        |      |
| 5 COVE MOULD                                      | Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 78                |        |      |
| 6 UTILITY NEWEL                                   | For stairs with a 34"-38" rake rail height, select the 58" Utility newel for the starting newel. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed. See the Post to Post Newel Applications chart at the bottom of this page for further information on Utility Newel applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20-35             |        |      |
|                                                   | If using Box Newels, select one for the starting newel at the bottom of the stairway. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36-41             |        |      |
| 7 PIN NEWEL                                       | Use in the middle of a long rake run of handrail for strength. This newel does not require a handrail fitting. Pin newels are available in two turning styles only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28-29,32          |        |      |
| 8 INTERMEDIATE LANDING NEWEL                      | Select the intermediate landing newel with the 14 1/2" face when not using a landing fitting assembly (gooseneck). If a landing fitting assembly is used, select the 5" face intermediate landing newel. See the Post to Post Newel Applications chart at the bottom of this page for selecting the appropriate Intermediate Landing Newel(s) for your application. Refer to the photos on page 12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-35             |        |      |
|                                                   | If using Box Newels, select an Intermediate Box Newel. Matching the Box Newel chosen in #6 may require adding additional length to the bottom of the post when used at the intermediate landing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 36-41             |        |      |
| 9 SECOND FLOOR LANDING NEWEL                      | Select the 2nd Floor Landing Newel when not using a landing fitting assembly (36" balcony height). 42" balcony height requires the use of a landing fitting assembly. Use the 48" Utility Newel for surface mount when using a landing fitting assembly. If the newel extends below the floor surface, use the 58" Utility Newel with a landing fitting assembly. See the applications chart below...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20-35             |        |      |
|                                                   | If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 36-41             |        |      |
| 10 LEVEL RUN NEWEL                                | A level run, whether on the 2nd floor or at an intermediate landing, must include newel posts. It should match the post selected for the transition from rake to level or rake to rake (whichever is applicable). For a run of 10 feet or more, use a newel at the midpoint or every 5 to 6 feet. Place a newel at every corner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20-41             |        |      |
| 11 HALF NEWEL OR ROSETTES                         | Select the half-newel of the same style as the other full newels selected on the balcony (i.e.: 11" face or 5" face or Box Newel). Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20-41             |        |      |
| 12                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 79                |        |      |
| 13 NEWEL MOUNTING HDWE                            | Select one of the newel mounting kits for each newel post.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 82                |        |      |
| 14 RAKE BALUSTERS FOR OPEN TREAD STAIR            | "LJ-" Series Balusters: For 34"-38" handrail height, use the 38" baluster for the 1st baluster on the tread and use the 42" baluster for the 2nd baluster on the tread. If using three balusters per tread, use the 38" baluster for the 1st and 2nd balusters on the tread, and use the 42" baluster for the 3rd baluster on the tread. Note: when using three balusters per tread for 34"-38" rail height, the 42" baluster may not be long enough for use under a landing fitting assembly (gooseneck).<br>"S-" Series Balusters: For 34"-38" rake handrail height, the first baluster on each tread is 36", the 2nd is 42", and if 3 balusters are used, the middle baluster is 39".                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19-35             |        |      |
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 27,31             |        |      |
| 15 RAKE BALUSTERS FOR KNEEWALL STAIR              | "LJ-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread equally spaced according to code requirements. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.<br>"S-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread equally spaced according to code requirements. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19-35             |        |      |
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 27,31             |        |      |
| 16 LEVEL RUN BALUSTERS                            | "LJ-" Series Balusters: Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4" or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.<br>"S-" Series Balusters: Use the 36" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4" or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. | 19-35             |        |      |
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 27,31             |        |      |
| 17 HANDRAIL                                       | Select handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #18 for calculating wall rail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19-35,80          |        |      |
| 18 WALL RAIL                                      | If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. Also, see #20 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #25). Select one bracket for each end of the rail and at 2'-3' intervals between.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 81<br>19-35<br>80 |        |      |
| 19 HANDRAIL FITTINGS (Landing Fitting Components) | If using a Landing Fitting Assembly (gooseneck) with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 75-76. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 75-76             |        |      |
| 20 HANDRAIL FITTINGS (Miscellaneous Components)   | If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select two level quarterturns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 73-74             |        |      |
| 21 SHOERAIL FOR KNEEWALL STAIR/LEVEL RUN          | Select shoerail at a rate of 13" per each tread on kneewall. Select shoerail to cover all balcony landing tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19-35             |        |      |
| 22 FILLET                                         | Select enough fillet to fill all plowed handrail and all shoerail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19-35             |        |      |
| 23 DOUBLE-END SCREW                               | Select one Dowel-Fast™ double-end wood screw for each baluster installed on open treads or level landings. This is optional, but highly recommended. Double-end wood screws are not needed for balusters installed within shoerail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                |        |      |
| 24 BRACKETS (Open Stairs)                         | Select one bracket for each tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 79                |        |      |
| 25 HARDWARE                                       | See pages 81-84 for any other installation hardware needed, such as, but not limited to, the following: Flush Mount Kit or Rail & Post Fastener to fasten the handrail to the newel posts; Wall Rail Brackets for any handrail attached to the wall; Wood Plugs, Wood Putty or Wood Glue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 81-84             |        |      |

### Post to Post Newel Applications

Each Post to Post newel series includes several newels of different lengths. The application for the newels in each series is identified below.

|                                                           |                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shortest Utility Newel (48"—5" top face)                  | May be used as the starting newel on stairs depending on handrail profile and code requirements. Can be used as a balcony newel that is surface mounted.                                                                                                                    |
| Longest Utility Newel (58"—5" top face)                   | Use this newel as a starting newel for stairs with a 34"-38" rake rail height and for balcony newels that will extend below the floor surface.                                                                                                                              |
| 2nd Floor Landing Newel (11" top face)                    | Use this newel for the 2nd floor landing newel when not using a landing fitting assembly (gooseneck). Will achieve a 36" balcony railing height.                                                                                                                            |
| Intermediate Landing Newel (73" overall—14 1/2" top face) | Use this newel for a level intermediate landing with no landing fitting assembly (gooseneck).                                                                                                                                                                               |
| Intermediate Landing Newel (78" overall—5" top face)      | Use this newel at the intermediate landing corner of an L-shaped stair with a landing fitting assembly (gooseneck), including landings with 2-winder or 3-winder treads. This newel is also available in 62" and 73" lengths for the Cornerstone Collection on pages 31-32. |

# Ordering Guidelines

## IRON & WOOD POST TO POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Iron & Wood Post to Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 34" - 38" rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

| Item                  |                                                | Guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Page      | Part # | Qty |
|-----------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-----|
| <b>SUPPORT SYSTEM</b> |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |        |     |
| 1                     | SKIRTBOARD                                     | Select skirtboard at 13" per tread, plus any additional length desired for extension beyond the first and last risers. Be sure to order enough skirtboard for both sides of the stairway.                                                                                                                                                                                                                                                                                                                                                                                                                          | 78        |        |     |
| 2                     | TREADS                                         | Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 79.                                                                                                                                                                                                                    | 78-79     |        |     |
| 3                     | RISERS                                         | Select one riser for each step. Select one more riser than treads per each flight because of landing tread (see #4). Note: Landing tread replaces the nosing over the last riser. For false risers see page 79.                                                                                                                                                                                                                                                                                                                                                                                                    | 78-79     |        |     |
| 4                     | LANDING TREAD                                  | Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.                                                                                                                                                                                                                                                                                                                                                               | 78        |        |     |
| 5                     | COVE MOULD                                     | Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.                                                                                                                                                                                                                                                                                                                                                                                                                                         | 78        |        |     |
| <b>BALUSTRADE</b>     |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |        |     |
| 6                     | UTILITY NEWEL                                  | For stairs with a 34"-38" rake rail height, select the 58" Utility newel for the starting newel. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed. See the Post to Post Newel Applications chart at the bottom of this page for further information on Utility Newel applications.<br><br>If using Box Newels, select one for the starting newel at the bottom of the stairway. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed.                            | 20-35     |        |     |
| 7                     | PIN NEWEL                                      | Use in the middle of a long rake run of handrail for strength. This newel does not require a handrail fitting. Pin newels are available in two turning styles only.                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-29,32  |        |     |
| 8                     | INTERMEDIATE LANDING NEWEL                     | Select the intermediate landing newel with the 14 1/2" face when <u>not</u> using a landing fitting assembly (gooseneck). If a landing fitting assembly is used, select the 5" face intermediate landing newel. See the Post to Post Newel Applications chart at the bottom of this page for selecting the appropriate Intermediate Landing Newel(s) for your application. Refer to the photos on page 12.<br><br>If using Box Newels, select an Intermediate Box Newel. Matching the Box Newel chosen in #6 may require adding additional length to the bottom of the post when used at the intermediate landing. | 20-35     |        |     |
| 9                     | SECOND FLOOR LANDING NEWEL                     | Select the 2nd Floor Landing Newel when <u>not</u> using a landing fitting assembly (36" balcony height). 42" balcony height requires the use of a landing fitting assembly. Use the 48" Utility Newel for surface mount when using a landing fitting assembly. If the newel extends below the floor surface, use the 58" Utility Newel with a landing fitting assembly. See the Newel Applications chart below...<br><br>If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.                                                                                    | 20-35     |        |     |
| 10                    | LEVEL RUN NEWEL                                | A level run, whether on the 2nd floor or at an intermediate landing, must include newel posts. It should match the post selected for the transition from rake to level or rake to rake (whichever is applicable). For a run of 10 feet or more, use a newel at the midpoint or every 5 to 6 feet. Place a newel at every corner.                                                                                                                                                                                                                                                                                   | 20-41     |        |     |
| 11                    | HALF NEWEL OR ROSETTES                         | Select the half-newel of the same style as the other full newels selected on the balcony (i.e.: 11" face or 5" face or Box Newel)<br><br>Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).                                                                                                                                                                                                                                                                     | 20-41     |        |     |
| 12                    | NEWEL MOUNTING HARDWARE                        | Select one of the newel mounting kits for each newel post.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 79        |        |     |
| 13                    | RAKE IRON BALUSTERS FOR OPEN TREAD STAIR       | Use three iron balusters per tread equally spaced according to code requirements. While not necessary, an alternating pattern is frequently desired. Note: Scroll style balusters cannot be used three per tread.                                                                                                                                                                                                                                                                                                                                                                                                  | 82        |        |     |
| 14                    | RAKE IRON BALUSTERS FOR KNEEWALL STAIR         | Select iron balusters at a rate of three per tread equally spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired.                                                                                                                                                                                                                                                                                                                                     | 57-65     |        |     |
| 15                    | LEVEL RUN IRON BALUSTERS                       | To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place iron balusters equally spaced according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired.                                                                           | 58,61     |        |     |
| 16                    | HANDRAIL                                       | Select non-plowed handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #18 for calculating wall rail.                                                                                                                                                                                                                                                                                                                                                                | 57-65     |        |     |
| 17                    | WALL RAIL                                      | If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. Also, see #20 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #26). Select one bracket for each end of the rail and at 2'-3' intervals between.                                                                                                                                                          | 19-35, 80 |        |     |
| 18                    | HANDRAIL FITTINGS (Landing Fitting Components) | If using a Landing Fitting Assembly (gooseneck) with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 75-76. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.                                                                                                                                                                                                                                                                                 | 81        |        |     |
| 19                    | HANDRAIL FITTINGS (Miscellaneous Components)   | If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select two level quarterturns.                                                                                                                                                                                                                                                                                                                                                                                                                | 75-76     |        |     |
| 20                    | BOTTOM BALUSTER COLLARS                        | Select one bottom baluster collar for each baluster. See descriptions for applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 73-74     |        |     |
| 21                    | TOP BALUSTER COLLARS                           | Select one top baluster collar for each baluster (if desired). See descriptions for applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 57-65     |        |     |
| 22                    | IRON BALUSTER ACCESSORIES                      | If using PLA44 balusters, select the appropriate number of adjustable knuckles (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 57-65     |        |     |
| 23                    | BRACKETS (Open Stairs)                         | Select one bracket for each tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 58        |        |     |
| 24                    | IRON BALUSTER EPOXY                            | Select construction epoxy for installing the iron balusters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 79        |        |     |
| 25                    | HARDWARE                                       | See pages 81-84 for any other installation hardware needed, such as, but not limited to, the following: Flush Mount Kit or Rail & Post Fastener to fasten the handrail to the newel posts; Wall Rail Brackets for any handrail attached to the wall; Wood Plugs, Wood Putty or Wood Glue.                                                                                                                                                                                                                                                                                                                          | 69        |        |     |
| 26                    |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 81-84     |        |     |

### Post to Post Newel Applications

Each Post to Post newel series includes several newels of different lengths. The application for the newels in each series is identified below.

|                                                           |                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shortest Utility Newel (48"—5" top face)                  | May be used as the starting newel on stairs depending on handrail profile and code requirements. Can be used as a balcony newel that is surface mounted.                                                                                                                    |
| Longest Utility Newel (58"—5" top face)                   | Use this newel as a starting newel for stairs with a 34"-38" rake rail height and for balcony newels that will extend below the floor surface.                                                                                                                              |
| 2nd Floor Landing Newel (11" top face)                    | Use this newel for the 2nd floor landing newel when not using a landing fitting assembly (gooseneck). Will achieve a 36" balcony railing height.                                                                                                                            |
| Intermediate Landing Newel (73" overall—14 1/2" top face) | Use this newel for a level intermediate landing with <u>no</u> landing fitting assembly (gooseneck).                                                                                                                                                                        |
| Intermediate Landing Newel (78" overall—5" top face)      | Use this newel at the intermediate landing corner of an L-shaped stair with a landing fitting assembly (gooseneck), including landings with 2-winder or 3-winder treads. This newel is also available in 62" and 73" lengths for the Cornerstone Collection on pages 31-32. |

# Ordering Guidelines



## WOOD OVER THE POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Wood Over the Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 34" - 38" rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

| Item                                              | Guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Page              | Part # | Qty |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|-----|
| 1 SKIRTBOARD                                      | Select skirtboard at 13" per tread, plus any additional length desired for extension beyond the first and last risers. Be sure to order enough skirtboard for both sides of the stairway.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 78                |        |     |
| 2 STARTING STEP                                   | For use with volutes and turnouts. Select a single or double bullnose starting step matching your floor plan to those shown on page 77. Be sure to select a starting step that coordinates with the chosen volute(s) and turnout(s). Measure finished skirtboards from outside to outside. For false starting steps see page 79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 77,79             |        |     |
| 3 TREADS                                          | Select one tread for each step (except the starting step). For a stair open on one side order miter-returned (MR1) and add 1 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 78-79             |        |     |
| 4 RISERS                                          | Select one riser for each step (except the starting step). Select one more riser than treads per each flight because of landing tread (see #5). Landing tread replaces the nosing over the last riser. For false risers see page 79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 78-79             |        |     |
| 5 LANDING TREAD                                   | Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 78                |        |     |
| 6 COVE MOULD                                      | Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 78                |        |     |
| 7 STARTING FITTING                                | Select either a standard volute, vertical volute, turnout, or starting easing with cap. Choose a climbing volute to eliminate the need for an unusually long starting newel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 71-72             |        |     |
| 8 PIN NEWEL                                       | Use under a vertical volute. This newel is also used in the middle of a long rake run of handrail for strength (does not require a handrail fitting). Pin newels are available in two turning styles only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 52, 54-55         |        |     |
| 9 UTILITY NEWEL (43")                             | Use everywhere except at the intermediate landing corner of an L-shaped stair and in situations listed in #8 above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44-55             |        |     |
| 10 UTILITY NEWEL (50")                            | Use for balcony newel(s) that will extend below the floor surface. Also use under a starting easing with cap when a starting step is <u>not</u> used, and the rake handrail height is 34" or higher.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 44-55             |        |     |
| 11 INTERMEDIATE LANDING NEWEL                     | Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 73" intermediate landing newel in 2-winder or 3-winder situations. A 65" intermediate landing newel is also available in the Cornerstone Collection on pages 53-54.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 44-55             |        |     |
| 12 LEVEL RUN NEWEL                                | If the balcony is 10 feet or longer, use the 43" utility newel every 5 or 6 feet under a tandem cap. Place a newel at every corner under a quarterturn with cap. Use the 50" utility newel if the newel is to extend below the 2nd floor surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-55             |        |     |
| 13 HALF NEWEL OR ROSETTES                         | Select the half-newel of the same style as the other full newels selected on the balcony.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 44-55             |        |     |
| 14 ROSETTES                                       | Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 79                |        |     |
| 15 NEWEL MOUNTING HDWE                            | Select one of the newel mounting kits for each newel post.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 82                |        |     |
| 16 BALUSTERS FOR VOLUTES AND TURNOUTS             | "LJ-" Series Balusters: Standard volutes require four or six 1 1/4" balusters, or four 1 1/4" balusters. Turnouts require two 1 1/4" balusters, or one 1 1/4" baluster. For 34"-38" rake rail height, use 42" balusters under all standard volutes and turnouts. Climbing volute requirements: For 34" rake rail height, use three 38" and one or two 42" baluster(s). For 36" rake rail height, use four or five 42" balusters.<br>"S-" Series Balusters: For 34"-38" rake rail height, use 42" balusters under standard volutes and turnouts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 43-55             |        |     |
| 17 BALUSTERS FOR STARTING EASING WITH CAP         | "LJ-" Series Balusters: Use one 42" baluster for 34"-38" handrail height.<br>"S-" Series Balusters: Use one 42" baluster for 34"-38" handrail height.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 43-55             |        |     |
| 18 RAKE BALUSTERS FOR OPEN TREAD STAIR            | "LJ-" Series Balusters: For 34"-38" handrail height, use the 38" baluster for the 1st baluster on the tread and use the 42" baluster for the 2nd baluster on the tread. If using three balusters per tread, use the 38" baluster for the 1st and 2nd balusters on the tread, and use the 42" baluster for the 3rd baluster on the tread. Note: when using three balusters per tread for 34"-38" rail height, the 42" baluster may not be long enough for use under a landing fitting assembly.<br>"S-" Series Balusters: For 34"-38" rake handrail height, the first baluster on each tread is 36", the 2nd is 42", and if 3 balusters are used, the middle baluster is 39".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 43-55             |        |     |
| 19 RAKE BALUSTERS FOR KNEEWALL STAIR              | "LJ-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread equally spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.<br>"S-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread equally spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43-55             |        |     |
| 20 LEVEL RUN BALUSTERS                            | "LJ-" Series Balusters: Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies (exception: an over the post rake rail height of 34"-38" requires 42" balusters for 36" and 42" level balconies). To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters equally spaced according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.<br>"S-" Series Balusters: Use the 36" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters equally spaced according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. | 43-55             |        |     |
| 21 HANDRAIL                                       | Select handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #22 for calculating wall rail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 43-55<br>80       |        |     |
| 22 WALL RAIL                                      | If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. Also see #24 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #29). Select one bracket for each end of the rail and at 2'-3" intervals between.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 81<br>43-55<br>80 |        |     |
| 23 HANDRAIL FITTINGS (Landing Fitting Components) | Match each corner of the floor plan to a corresponding plan on pages 75-76. Specify each Conect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 75-76             |        |     |
| 24 HANDRAIL FITTINGS (Miscellaneous Components)   | Each newel must be covered with a fitting. Select an opening cap for each half-newel (this fitting will be cut on the job). If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or selected two level quarterturns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 73-74             |        |     |
| 25 SHOERAIL FOR KNEEWALL STAIR/LEVEL RUN          | Select shoerail at a rate of 13" per each tread on the kneewall. Select shoerail to cover all balcony landing tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 43-55             |        |     |
| 26 FILLET                                         | Select enough fillet to fill all plowed handrail and all shoerail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 43-55             |        |     |
| 27 DOUBLE-END SCREW                               | Select one Dowel-Fast™ double-end wood screw for each baluster installed on open treads or level landings. This is optional, but highly recommended. Double-end wood screws are not needed for balusters installed within shoerail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 83                |        |     |
| 28 BRACKETS (Open Stairs)                         | Select one bracket for each tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 79                |        |     |
| 29 HARDWARE                                       | See pages 81-84 for any other installation hardware needed, such as, but not limited to, the following: Wall Rail Brackets for any handrail attached to the wall; Wood Plugs, Wood Putty or Wood Glue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 81-84             |        |     |

### Over the Post Newel Applications Each Over the Post newel series includes several newels of different lengths. The application for the newels in each series is identified below.

|                                  |                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shortest Utility Newel (43")     | Use this newel under all starting fittings (except Vertical Volutes and Starting Easings with Cap), and as a balcony newel that is surface mounted. (see "Longest Utility Newel" for exception on Starting Easing with Cap) |
| Longest Utility Newel (50")      | Use this newel under a Starting Easing with Cap when a starting step is not used and the rake handrail height is 34" or higher. Can also be used as a balcony newel that will extend below the floor surface.               |
| Intermediate Landing Newel (58") | Use this newel for level intermediate landings.                                                                                                                                                                             |
| Intermediate Landing Newel (73") | Use this newel for intermediate landings with 2-winder or 3-winder treads. This newel is also available in 65" length for the Cornerstone Collection on pages 53-54.                                                        |



# Ordering Guidelines

## IRON & WOOD OVER THE POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Iron & Wood Over the Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 34" - 38" rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

| Item                  |                                                | Guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Page              | Part # | Qty |
|-----------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|-----|
| <b>SUPPORT SYSTEM</b> |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |        |     |
| 1                     | SKIRTBOARD                                     | Select skirtboard at 13" per tread, plus any additional length desired for extension beyond the first and last risers. Be sure to order enough skirtboard for both sides of the stairway.                                                                                                                                                                                                                                                                                                                                                | 78                |        |     |
| 2                     | STARTING STEP                                  | For use with volutes and turnouts. Select a single or double bullnose starting step matching your floor plan to those shown on page 77. Be sure to select a starting step that coordinates with the chosen volute(s) and turnout(s). Measure finished skirtboards from outside to outside. For false starting steps see page 79.                                                                                                                                                                                                         | 77-78             |        |     |
| 3                     | TREADS                                         | Select one tread for each step (except the starting step). For a stair open on one side order miter-returned (MR1) and add 1 1/2" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 79.                                                                                                               | 78-79             |        |     |
| 4                     | RISERS                                         | Select one riser for each step (except the starting step). Select one more riser than treads per each flight because of landing tread (see #5). Landing tread replaces the nosing over the last riser. For false risers see page 79.                                                                                                                                                                                                                                                                                                     | 78-79             |        |     |
| 5                     | LANDING TREAD                                  | Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.                                                                                                                                                                                                                                                                                     | 78                |        |     |
| 6                     | COVE MOULD                                     | Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.                                                                                                                                                                                                                                                                                                                                                               | 78                |        |     |
| <b>BALUSTRADE</b>     |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |        |     |
| 7                     | STARTING FITTING                               | Select either a standard volute, vertical volute, turnout, or starting easing with cap. Choose a climbing volute to eliminate the need for an unusually long starting newel.                                                                                                                                                                                                                                                                                                                                                             | 71-72             |        |     |
| 8                     | IRON NEWEL                                     | Iron newels are often only used as a starting newel on a starting step at the bottom of the stairway. However, if proper blocking/bracing is utilized, iron newels can also be used at other locations on the stairway and on level runs. See steps #9, #10 & #11 below if using wood newels as the starting newels.                                                                                                                                                                                                                     | 66                |        |     |
| 9                     | WOOD PIN NEWEL                                 | Use under a vertical volute. This newel is also used in middle of a long rake run of handrail for strength (does not require a handrail fitting). Pin newels are available in two turning styles only.                                                                                                                                                                                                                                                                                                                                   | 52, 54-55         |        |     |
| 10                    | WOOD UTILITY NEWEL (43")                       | Use everywhere except at the intermediate landing corner of an L-shaped stair and in situations listed in #9 above. See the Over the Post Newel Applications chart at the bottom of the previous page for further information on over the post wood newel applications.                                                                                                                                                                                                                                                                  | 44-55             |        |     |
| 11                    | WOOD UTILITY NEWEL (50")                       | Use for balcony newel(s) that will extend below the floor surface. Also use under a starting easing with cap when a starting step is not used, and the rake handrail height is 34" or higher.                                                                                                                                                                                                                                                                                                                                            | 44-55             |        |     |
| 12                    | WOOD INTERMEDIATE LANDING NEWEL                | Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 73" intermediate landing newel in 2-winder or 3-winder situations. A 65" intermediate landing newel is also available in the Cornerstone Collection on pages 53-54.                                                                                                                                                                                                                                                              | 44-55             |        |     |
| 13                    | WOOD LEVEL RUN NEWEL                           | If the balcony is 10 feet or longer, use the 43" utility newel every 5 or 6 feet under a tandem cap. Place a newel at every corner under a quarterturn with cap. Use the 50" utility newel if the newel is to extend below the 2nd floor surface.                                                                                                                                                                                                                                                                                        | 44-55             |        |     |
| 14                    | WOOD HALF NEWEL OR ROSETTES                    | Select the half-newel of the same style as the other full newels selected on the balcony.                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-55             |        |     |
| 15                    |                                                | Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).                                                                                                                                                                                                                                                                                                                                    | 79                |        |     |
| 16                    | NEWEL MOUNTING HARDWARE                        | Select an Iron Newel Mounting Kit for each iron newel being used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 66                |        |     |
| 16                    |                                                | Select one of the newel mounting kits for each wood newel post being used.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 82                |        |     |
| 17                    | IRON BALUSTERS FOR VOLUTES AND TURNOUTS        | Standard volutes require six iron balusters. Climbing volutes require five iron balusters. Turnouts require two iron balusters. Scroll balusters cannot be used under volutes or turnouts.                                                                                                                                                                                                                                                                                                                                               | 57-65             |        |     |
| 18                    | IRON BALUSTERS FOR STARTING EASING WITH CAP    | Use one iron baluster under each Starting Easing with Cap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 57-65             |        |     |
| 19                    | RAKE IRON BALUSTERS FOR OPEN TREAD STAIR       | Use three iron balusters per tread equally spaced according to code requirements. While not necessary, an alternating pattern is frequently desired. Note: Scroll style balusters cannot be used three per tread.                                                                                                                                                                                                                                                                                                                        | 57-65             |        |     |
| 20                    | RAKE IRON BALUSTERS FOR KNEEWALL STAIR         | Select iron balusters at a rate of three per tread and spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired. Please check building codes for baluster spacing compliance.                                                                                                                                                                                                  | 58,61             |        |     |
| 21                    | LEVEL RUN IRON BALUSTERS                       | To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place iron balusters equally spaced according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired. | 57-65             |        |     |
| 22                    | HANDRAIL                                       | Select handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #23 for calculating wall rail.                                                                                                                                                                                                                                                                                                 | 43-55<br>80       |        |     |
| 23                    | WALL RAIL                                      | If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. See #25 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #31). Select one bracket for each end of the rail and at 2'-3' intervals between.                                                                                      | 81<br>43-55<br>80 |        |     |
| 24                    | HANDRAIL FITTINGS (Landing Fitting Components) | Match each corner of the floor plan to a corresponding plan on pages 75-76. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.                                                                                                                                                                                                                                                                                                                 | 75-76             |        |     |
| 25                    | HANDRAIL FITTINGS (Miscellaneous Components)   | Each newel must be covered with a fitting. Select an opening cap for each half-newel (this fitting will be cut on the job). If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select 2 level quarterturns.                                                                                                                                                                                                            | 73-74             |        |     |
| 26                    | BOTTOM BALUSTER COLLARS                        | Select one bottom baluster collar for each baluster. See descriptions for applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 57-65             |        |     |
| 27                    | TOP BALUSTER COLLARS                           | Select one top baluster collar for each baluster (if desired). See descriptions for applications.                                                                                                                                                                                                                                                                                                                                                                                                                                        | 57-65             |        |     |
| 28                    | IRON BALUSTER ACCESSORIES                      | If using PLA44 balusters, select the appropriate number of adjustable knuckles (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                             | 58                |        |     |
| 29                    | BRACKETS (Open Stairs)                         | Select one bracket for each tread, (if desired).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 79                |        |     |
| 30                    | IRON BALUSTER EPOXY                            | Select construction epoxy for installing the iron balusters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 69                |        |     |
| 31                    | HARDWARE                                       | See pages 81-84 for any other installation hardware needed, such as, but not limited to, the following: Wall Rail Brackets for any handrail attached to the wall; Wood Plugs, Wood Putty or Wood Glue.                                                                                                                                                                                                                                                                                                                                   | 81-84             |        |     |

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