



*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.

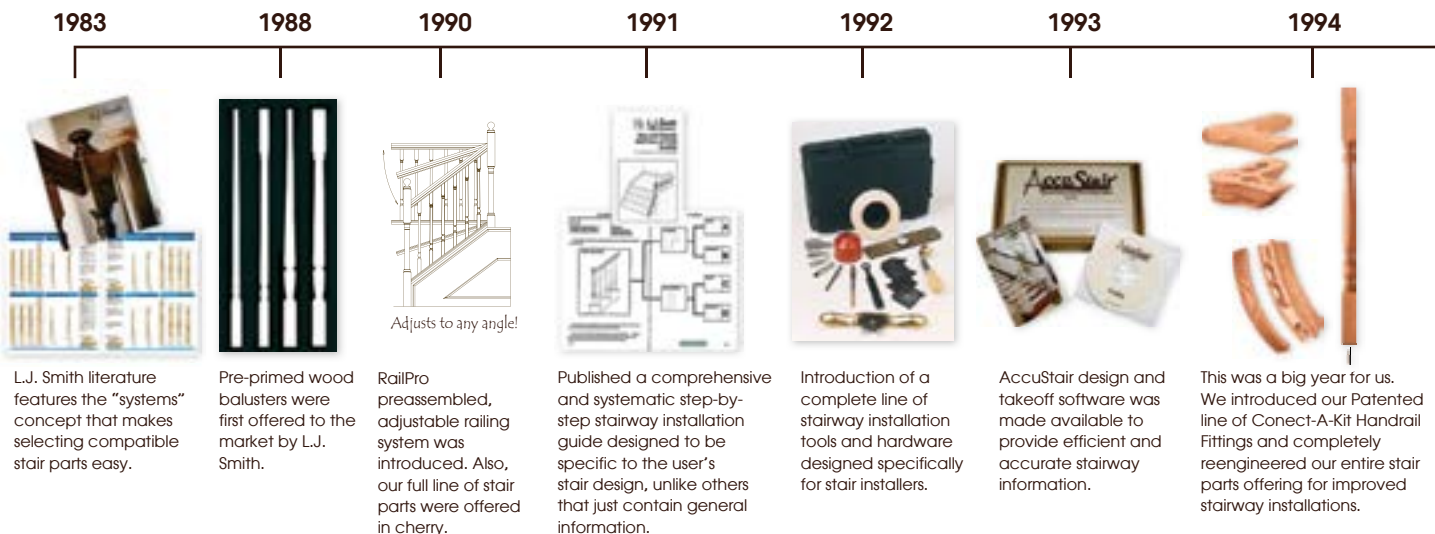
The new facility was utilized for the manufacturing of stair parts, while the original structure was renovated to accommodate the custom stair division of L.J. Smith, Inc.

Since 1991, L.J. Smith has made many strategic acquisitions and currently has 9 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 box newels for an



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



economical upgrade from plain half wall stairways 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.....

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## Connect with us!

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



1996



Introduced Climbing Volutes to create a sweeping and elegant beginning to over the post stairways.

1998



Added Ornamental Iron Balusters to our product offering.

2001



Began offering a new line of box newels consisting of fluted, raised and recessed panels—designed to match the millwork theme in many homes.

2002-2006



Several more tools designed to make stair installations much quicker.

2012



Introduced a patented iron baluster fastener kit called IronPro for easily remodeling stairs from wood balusters to iron balusters. Also great for new construction.

2014



Patented Half Wall Box Newels to easily upgrade plain half wall stairways.

Today

L.J. Smith furthers its leadership role combining common sense with innovation.



# 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

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

### 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.

26 different Landing Fitting Assemblies (gooseneck fittings).

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

See pages 72-78 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 55 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 73 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 30 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 84.



**Wooden and Iron Newel Posts** — Choose from over 60 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



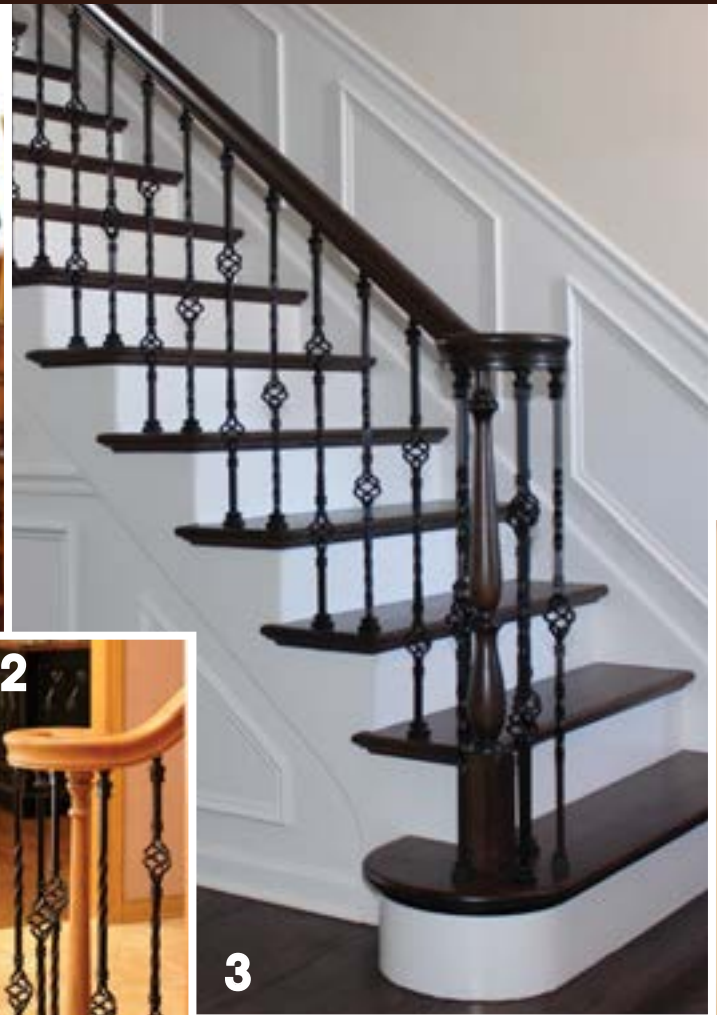
1

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

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

**3** LI-1BASK44, LI-2BASK44 Iron Balusters and LI-PROLVL IronPro, Custom Newel, LJ-6010 Handrail and LJ-7030 Volute

**4** LI-1BASK44, LI-2TW44 Iron Balusters and LI-PROLVL IronPro, LJ-4040 Newels and LJ-6010 Handrail



2

3



4





**5** LI-40144, LI-40244 & LI-WAVE44 Iron Balusters, LI-NWLRIB48 Iron Newels, LJ-6701B Bending Handrail, LJ-7731 & LJ-7736 Custom Climbing Volutes

**6** LI-30544 & LI-30844 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** LI-14044, LI-15044, LI-14344 & LI-30144 Iron Balusters, LJF-3010 Newels, LJ-6519B Bending Handrail, LJ-7531 Climbing LJ-8215 Bowed Starting Step



**5**



**6**



**7**



**8**



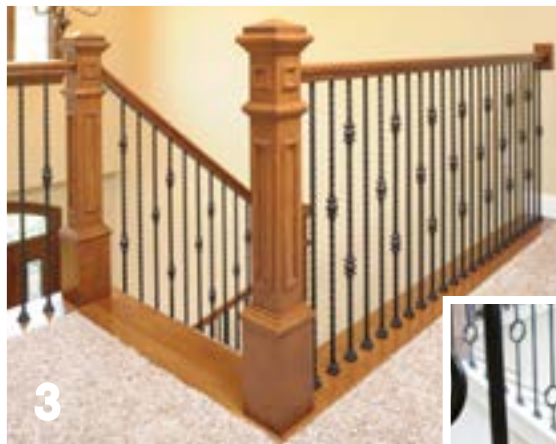
# Photo Portfolio



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** LI-1BASK44 & LI-2BASK44 Iron Balusters with LI-PROLVL IronPro, LJ-4040 Newels, LJ-6010 Handrail

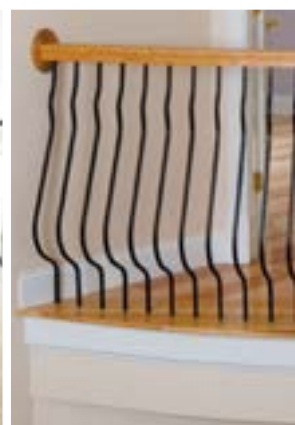
**3** LI-9044, LI-30544 & LI-30844 Iron Balusters, LJ-4391 Box Newels with LJ-9203 Decorative Picture Frame Kits and LJ-6701 Handrail.

**4** LI-1BASK44, LI-2BASK44 Iron Balusters, LJT-3010 Newels, LJ-6519B Bending Handrail and Custom French Twist Volutes.

**5** LI-40144, LJ-40244 & LI-PLA44 Iron Balusters with LI-ALM06 Shoes



5



4



6







7



9



8



11



10

**6** LI-30144 & LI-2TW44 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** LJ-PLA40BLY Iron Balusters & LJ-6010B Bending Handrail

**9** LI-1BASK44, LI-2TW44 & LI-60144 Iron Balusters, LJRA-4091 Box Newels, LJ-6900B Bending Handrail with LJ-7911 Quarterturns and LJ-7912 Upeasings

**10** LI-1BASK44, LI-DBLTW44 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

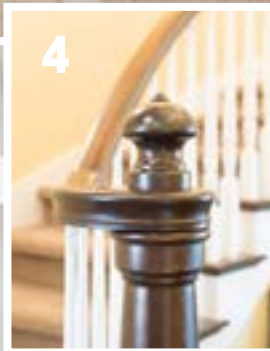


**2** LJB-2915 Balusters, LJB-3910 Newels, LJ-6900B Bending Handrail and LJ-7936 Climbing Volute

**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, LI-1TW44 & LI-50144 Iron Balusters, LJ-4091 Box Newel and 6519 Handrail



8

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



7

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

**9** LJ-5360 Balusters, LJ-4095 Raised Panel Box Newels accessorized with LJ-9101 Rosette Blocks and LJ-9001 Chamfered Top Plate, and 6210P Plowed Handrail.



9



10

**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.

# 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-6010 Handrail, LJ-4040 Utility Newels, LI-1BASK44 and LI-2TW44 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

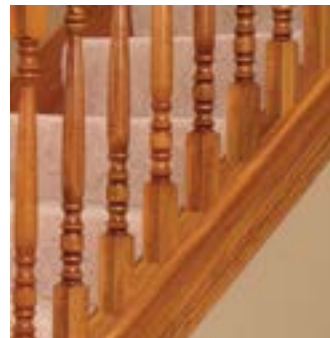
After selecting a stairway style, there are a couple more “style” decisions that need to be made before selecting the stairway components. First, decide if the stairway will have Open Treads or a Kneewall and what tread treatment will be utilized. Then, if you chose the **Post to Post** stairway style 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 80-81 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 80-81 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*

### 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



### 1 3/4" PIN TOP BALUSTERS

## NON-PLOWED HANDRAILS

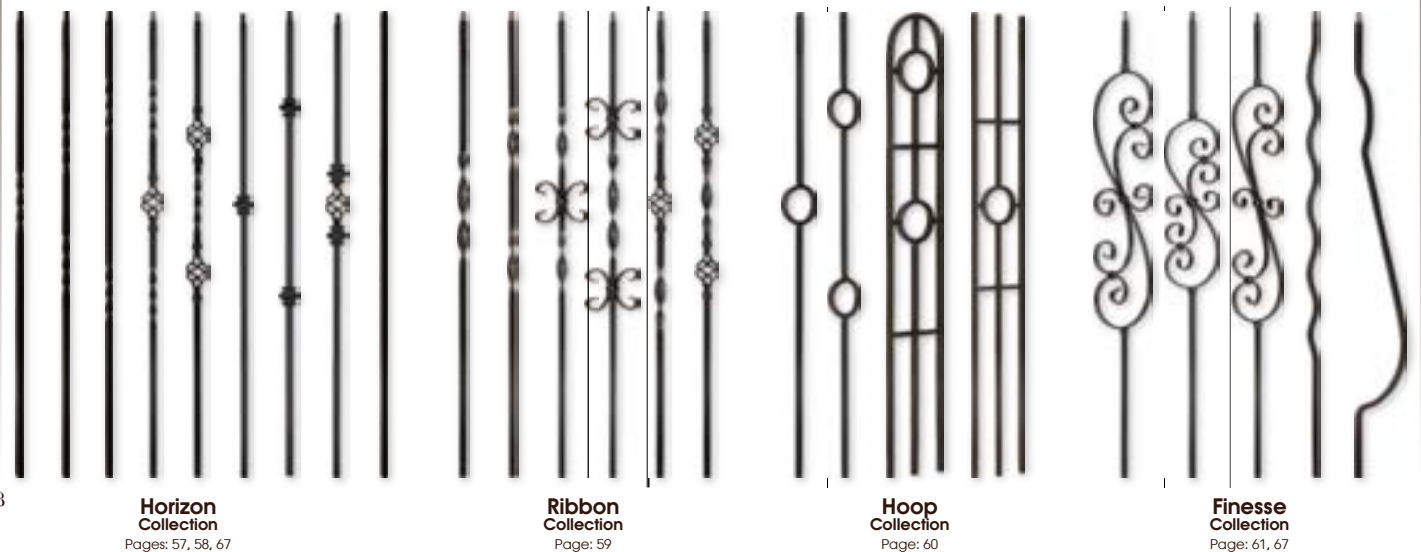


### 1 1/4" PIN TOP BALUSTERS



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

## ORNAMENTAL IRON BALUSTERS





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



*Square Top Balusters are used with Plowed Handrails*

## PLOWED HANDRAILS



LJ-6005

LJ-6109P1

LJ-6210P

LJ-6400P

LJ-6519P

LJ-6900P

LJ-6A10P1

LJ-6B10P1

LJ-6V10P

### 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

**LaSalle Collection**

Pages: 23, 47

**Classic Collection**

Pages: 29, 55

**Cornerstone Collection**

Pages: 31, 53

**Clean Collection**

Page: 33

**Crisp Collection**

Page: 34

More styles available on pages 33-34

## PLOWED HANDRAILS



LJ-6010P

LJ-6109P0

LJ-6601P

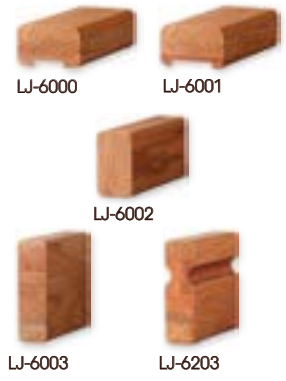
LJ-6A10P0

LJ-6B10P0

### 1 1/4" SQUARE TOP BALUSTERS



## NON-PLOWED HANDRAILS AND PLOWED HANDRAILS



LJ-6000

LJ-6001

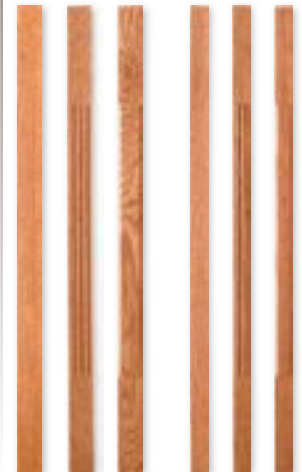
LJ-6002

LJ-6003

LJ-6203

### 1 1/4" SQUARE BALUSTERS

### 1 1/4" SQUARE BALUSTERS



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

## ORNAMENTAL IRON BALUSTERS



**Pummel Collection**

Page: 62

**Feather Collection**

Page: 63

**Honeycomb Collection**

Page: 64

**Camelot Collection**

Page: 65

**Espresso Collection**

Page: 66

**Orb Collection**

Page: 66

# 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



## OVER THE POST STYLES





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



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

## OVER THE POST STYLES

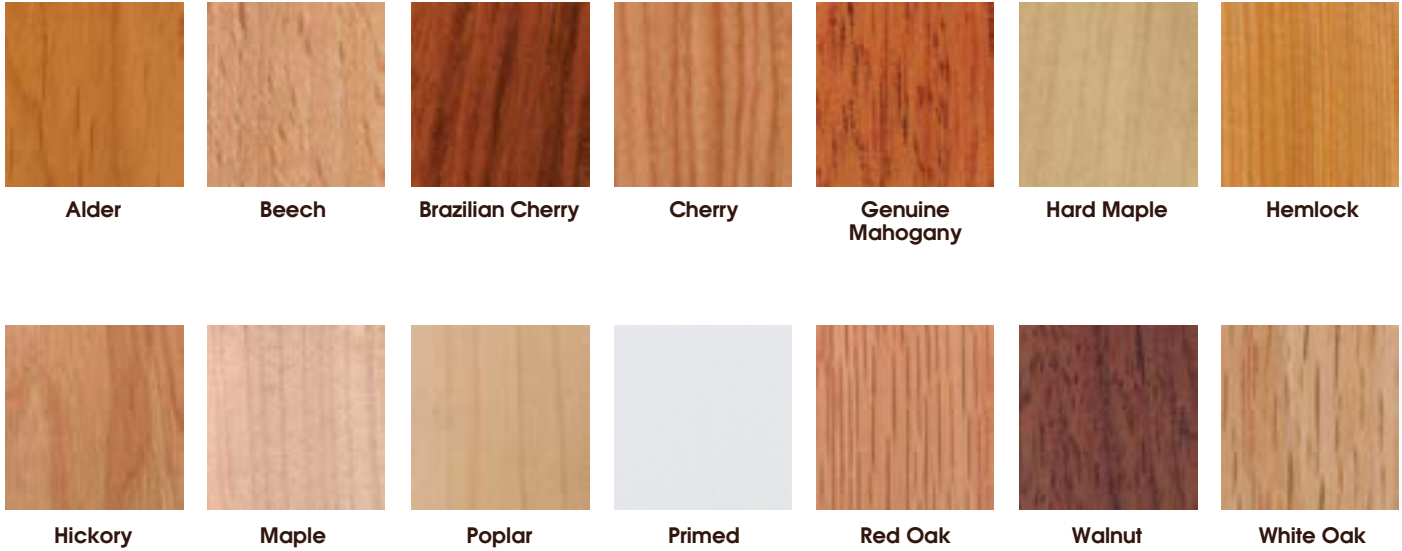


# Our Wood Species

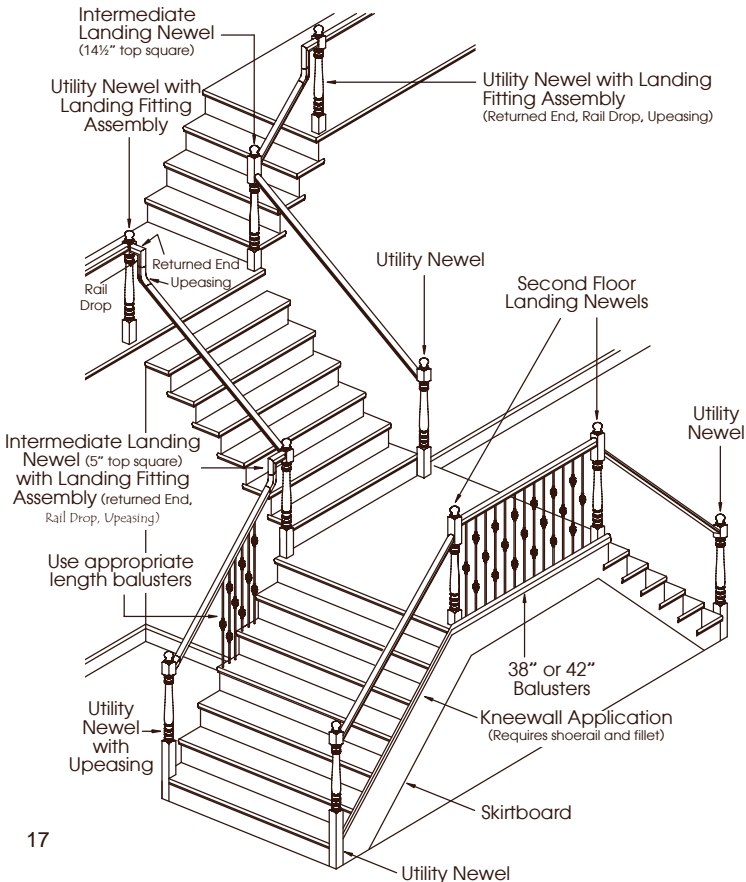


L.J. Smith is proud to offer the following standard species of wood products. Material in all of these species is in stock and can be made into nearly any of our wood stair components. We would also be glad to quote any other species, as well. Call us for product availability and lead times on these,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

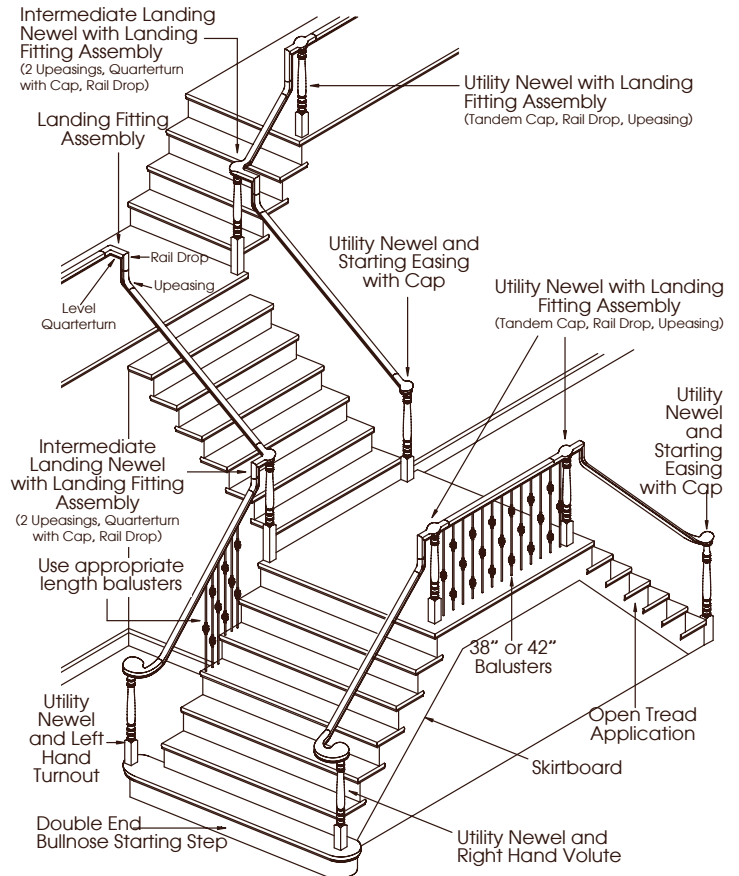
*Note: all species shown here are clear coated for illustrative purposes only.*



## 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.

Post to Post

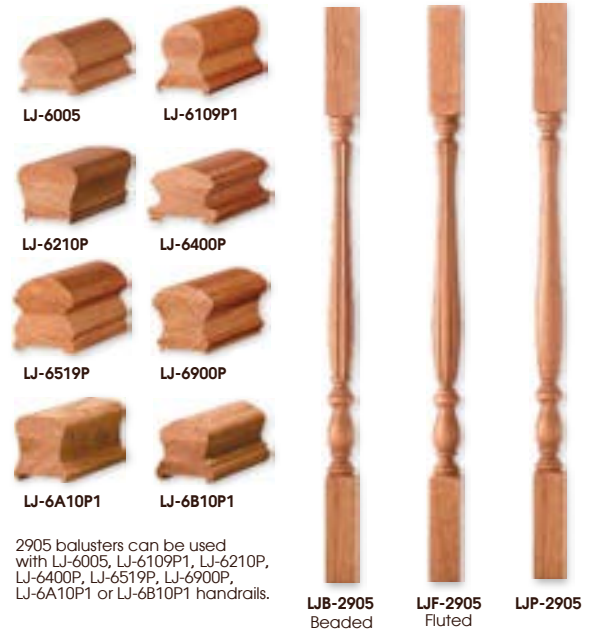
**Pictured:** LJ-6010 Handrail, LJ-6010B Bending Handrail, S-5015 Balusters, and LJ-4180 Newel Series.

## Non-Plowed Handrails and Pin 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.

## Plowed Handrails and Square Top Balusters



2905 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



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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6005	2 5/8" (69mm)	2 1/2" (64mm)	2 1/2" (64mm)	1 3/4" (44mm)
LJ 6109	2 1/4" (63mm)	1 1/4" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P1	2 1/8" (73mm)	1 1/8" (48mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/8" (60mm)	2 3/8" (60mm)	2" (51mm)	N/A
LJ 6210P	2 3/8" (60mm)	2 3/8" (60mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (63mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (63mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 3/4" (67mm)	2 3/8" (60mm)	N/A
LJ 6519P	3" (76mm)	2 3/8" (67mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6701	2 1/4" (63mm)	2 3/4" (70mm)	1 3/8" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 3/8" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 3/8" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A
LJ 6A10P1	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P1	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	1 3/4" (44mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2905-34	6 1/4" (165mm)	21 1/4" (535mm)	6 7/8" (164mm)	1 3/4" (44mm)	34" (864mm)
2905-38	6 1/2" (165mm)	21 1/4" (535mm)	10 7/8" (265mm)	1 3/4" (44mm)	38" (965mm)
2905-42	6 1/2" (165mm)	21 1/4" (535mm)	14 7/8" (361mm)	1 3/4" (44mm)	42" (1067mm)
2915-34	N/A	27 3/4" (700mm)	6 7/8" (164mm)	1 3/4" (44mm)	34" (864mm)
2915-38	N/A	27 3/4" (700mm)	10 7/8" (265mm)	1 3/4" (44mm)	38" (965mm)
2915-42	N/A	27 3/4" (700mm)	14 7/8" (361mm)	1 3/4" (44mm)	42" (1067mm)

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

Utility Newels						
3940	5 7/8" (138mm)	5" (127mm)	23 3/4" (596mm)	14 3/4" (362mm)	3 1/4" (83mm)	48" (1219mm)
3942	5 7/8" (138mm)	5" (127mm)	23 3/4" (596mm)	24 1/4" (616mm)	3 1/4" (83mm)	58" (1473mm)

Second Floor Landing Newel						
3945	5 7/8" (138mm)	11" (279mm)	19 1/2" (495mm)	21 3/4" (552mm)	3 1/4" (83mm)	58" (1473mm)

Intermediate Landing Newels						
3946	5 7/8" (138mm)	14 1/2" (368mm)	16" (406mm)	36 3/4" (933mm)	3 1/4" (83mm)	73" (1854mm)
3953	5 7/8" (138mm)	5" (127mm)	23 3/4" (596mm)	28 1/4" (718mm)	3 1/4" (83mm)	62" (1574mm)
3955	5 7/8" (138mm)	5" (127mm)	23 3/4" (596mm)	39 3/4" (997mm)	3 1/4" (83mm)	73" (1854mm)
3958	5 7/8" (138mm)	5" (127mm)	23 3/4" (596mm)	44 3/4" (1124mm)	3 1/4" (83mm)	78" (1981mm)

\* Length is from the top of the bottom block to the top of the balus or





**Newel Posts**

**Newel Drop**



LJ-4099A



LJB-3940  
LJB-3942  
LJB-3953†  
LJB-3955†  
LJB-3958†

LJB-3945

Beaded Option

LJB-3946

LJF-3940  
LJF-3942  
LJF-3953†  
LJF-3955†  
LJF-3958†

LJF-3945

Fluted Option

LJF-3946

LJP-3940  
LJP-3942  
LJP-3953†  
LJP-3955†  
LJP-3958†

LJP-3945

LJP-3946

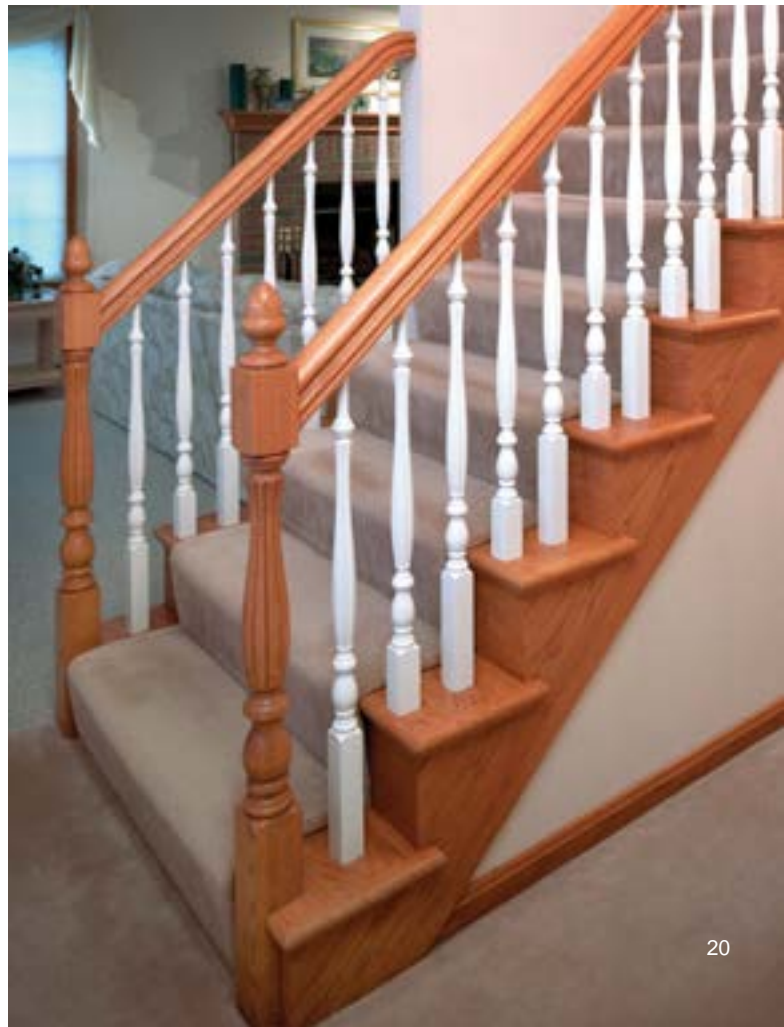
Box Newels

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

† Requires a landing fitting assembly (gooseneck pp 77-78)



**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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6005	2 1/4" (59mm)	2 1/4" (64mm)	2 1/2" (64mm)	1 3/4" (44mm)
LJ 6109	2 3/8" (73mm)	1 3/8" (83mm)	2 3/8" (60mm)	N/A
LJ 6109P1	2 3/8" (73mm)	1 3/8" (83mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/8" (60mm)	2 3/8" (67mm)	2" (51mm)	N/A
LJ 6210P	2 3/8" (60mm)	2 3/8" (67mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 3/8" (67mm)	2 3/8" (67mm)	N/A
LJ 6519P	3" (76mm)	2 3/8" (67mm)	2 3/8" (67mm)	1 3/4" (44mm)
LJ 6701	2 1/4" (54mm)	2 3/4" (70mm)	1 3/4" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A
LJ 6A10P1	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P1	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	1 3/4" (44mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2105-34	6 1/2" (165mm)	19 1/4" (486mm)	8 3/4" (213mm)	1 3/4" (44mm)	34" (864mm)
2105-38	6 1/2" (165mm)	19 1/4" (486mm)	12 3/8" (314mm)	1 3/4" (44mm)	38" (965mm)
2105-42	6 1/2" (165mm)	19 1/4" (486mm)	16 3/8" (416mm)	1 3/4" (44mm)	42" (1067mm)
2111-34	N/A	25 3/4" (651mm)	8 3/4" (213mm)	1 3/4" (44mm)	34" (864mm)
2111-38	N/A	25 3/4" (651mm)	12 3/8" (314mm)	1 3/4" (44mm)	38" (965mm)
2111-42	N/A	25 3/4" (651mm)	16 3/8" (416mm)	1 3/4" (44mm)	42" (1067mm)
2115-34	N/A	25 7/16" (642mm)	8 7/16" (214mm)	1 3/4" (44mm)	34" (864mm)
2115-38	N/A	25 7/16" (642mm)	12 7/16" (316mm)	1 3/4" (44mm)	38" (965mm)
2115-42	N/A	25 7/16" (642mm)	16 7/16" (418mm)	1 3/4" (44mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
<b>Utility Newels</b>						
3340	5" (127mm)	5" (127mm)	23" (584mm)	1 1/2" (38mm)	3 1/2" (89mm)	48" (1219mm)
3342	5" (127mm)	5" (127mm)	23" (584mm)	2 1/2" (62mm)	3 1/2" (89mm)	58" (1473mm)
<b>Second Floor Landing Newel</b>						
3345	5" (127mm)	11" (279mm)	19 1/2" (495mm)	22" (558mm)	3 1/2" (89mm)	58" (1473mm)
<b>Intermediate Landing Newels</b>						
3346	5" (127mm)	14 1/2" (368mm)	16 1/2" (419mm)	36 1/2" (927mm)	3 1/2" (89mm)	73" (1854mm)
3353	5" (127mm)	5" (127mm)	23" (584mm)	28 1/2" (724mm)	3 1/2" (89mm)	62" (1574mm)
3355	5" (127mm)	5" (127mm)	23" (584mm)	39 1/2" (1003mm)	3 1/2" (89mm)	73" (1854mm)
3358	5" (127mm)	5" (127mm)	23" (584mm)	44 1/2" (1130mm)	3 1/2" (89mm)	78" (1981mm)

\* 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



LJP-3340  
LJP-3342  
LJP-3353†  
LJP-3355†  
LJP-3358†



LJP-3345



LJP-3346

Fluted Option



LJP-3340  
LJP-3342  
LJP-3353†  
LJP-3355†  
LJP-3358†



LJP-3345



LJP-3346

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

Box Newels

† Requires a landing fitting assembly (gooseneck pp 77-78)

Post to Post

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

**Pictured Below:** LJP-2111 Balusters.

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



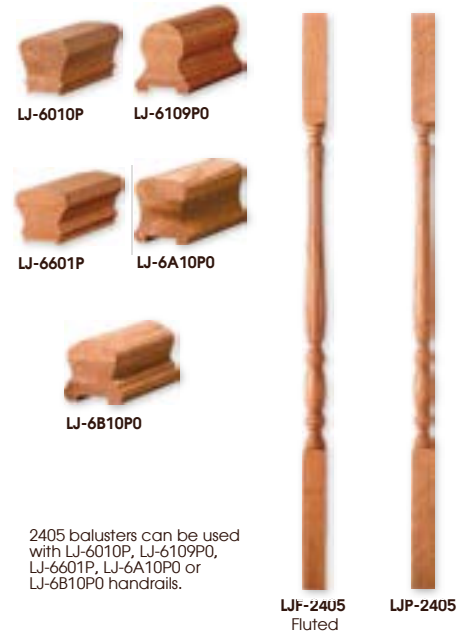
## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



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

## Shoerail & Fillet



2405 balusters can be used with LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6010	2 3/8" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6010P	2 3/8" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6109	2 7/8" (73mm)	1 1/4" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P0	2 7/8" (73mm)	1 1/4" (48mm)	2 3/8" (60mm)	1 1/4" (32mm)
LJ 6601	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6601P	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6A10	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	N/A
LJ 6A10P0	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	1 1/4" (32mm)
LJ 6B10	2 3/4" (59mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P0	2 3/4" (59mm)	2" (51mm)	2 3/8" (60mm)	1 1/4" (32mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2011-34	N/A	25 1/8" (642mm)	8 7/8" (214mm)	1 1/4" (32mm)	34" (864mm)
2011-38	N/A	25 3/8" (642mm)	12 7/8" (316mm)	1 1/4" (32mm)	38" (965mm)
2011-42	N/A	25 7/8" (642mm)	16 7/8" (418mm)	1 1/4" (32mm)	42" (1067mm)
2405-34	6 3/8" (162mm)	19 1/8" (481mm)	8 3/8" (213mm)	1 1/4" (32mm)	34" (864mm)
2405-38	6 3/8" (162mm)	19 1/8" (481mm)	12 3/8" (314mm)	1 1/4" (32mm)	38" (965mm)
2405-42	6 3/8" (162mm)	19 1/8" (481mm)	16 3/8" (416mm)	1 1/4" (32mm)	42" (1067mm)
2415-34	N/A	25 1/2" (648mm)	8 1/2" (216mm)	1 1/4" (32mm)	34" (864mm)
2415-38	N/A	25 1/2" (648mm)	12 1/2" (318mm)	1 1/4" (32mm)	38" (965mm)
2415-42	N/A	25 1/2" (648mm)	16 1/2" (419mm)	1 1/4" (32mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
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Utility Newels	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
3240	5" (127mm)	5" (127mm)	23" (584mm)	14 1/2" (368mm)	3" (76mm)	48" (1219mm)
3242	5" (127mm)	5" (127mm)	23" (584mm)	24 1/2" (622mm)	3" (76mm)	58" (1473mm)

Second Floor Landing Newel	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
3245	5" (127mm)	11" (279mm)	19 1/2" (493mm)	22" (568mm)	3" (76mm)	58" (1473mm)

Intermediate Landing Newels	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
3246	5" (127mm)	14 1/2" (368mm)	16 1/2" (419mm)	36 1/2" (927mm)	3" (76mm)	73" (1854mm)
3253	5" (127mm)	5" (127mm)	23" (584mm)	28 1/2" (724mm)	3" (76mm)	62" (1574mm)
3255	5" (127mm)	5" (127mm)	23" (584mm)	39 1/2" (1003mm)	3" (76mm)	73" (1854mm)
3258	5" (127mm)	5" (127mm)	23" (584mm)	44 1/2" (1130mm)	3" (76mm)	78" (1981mm)

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



Pictured Below: LJ-6B10 Handrail and LJP-2415 Balusters.

Pictured Right: LJ-2011 Balusters.

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



Newel Posts



Newel Drop



LJF-3240  
LJF-3242  
LJF-3253†  
LJF-3255†  
LJF-3258†



LJF-3245



LJF-3246

Fluted Option



LJP-3240  
LJP-3242  
LJP-3253†  
LJP-3255†  
LJP-3258†



LJP-3245



LJP-3246

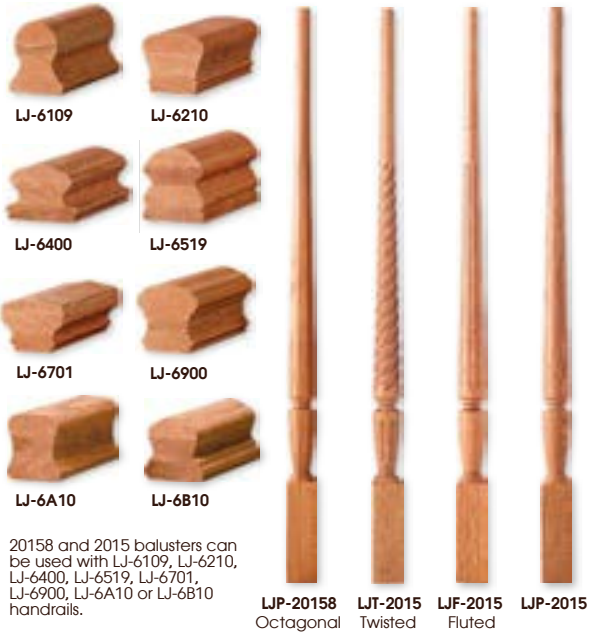
Consider box newels for your stairway from our Hierloom Collection on pages 36-41

Box Newels

† Requires a landing fitting assembly (gooseneck pp 77-78)

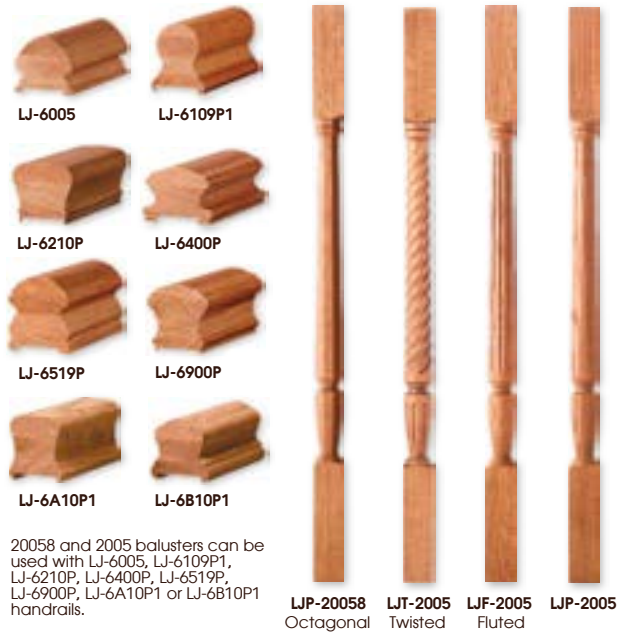


## Non-Plowed Handrails and Pin Top Balusters



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-6005, 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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6005	2 5/8" (69mm)	2 1/2" (64mm)	2 1/2" (64mm)	1 3/4" (44mm)
LJ 6109	2 1/4" (73mm)	1 1/4" (48mm)	2 3/4" (60mm)	N/A
LJ 6109P1	2 5/8" (73mm)	1 1/4" (48mm)	2 5/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 5/8" (60mm)	2 5/8" (67mm)	2" (51mm)	N/A
LJ 6210P	2 3/4" (60mm)	2 5/8" (67mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 5/8" (67mm)	2 5/8" (67mm)	N/A
LJ 6519P	3" (76mm)	2 5/8" (67mm)	2 5/8" (67mm)	1 3/4" (44mm)
LJ 6701	2 5/8" (54mm)	2 3/4" (70mm)	1 5/8" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 5/8" (67mm)	1 9/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 5/8" (67mm)	1 9/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 5/8" (60mm)	2" (51mm)	2 5/8" (54mm)	N/A
LJ 6A10P1	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	1 3/4" (44mm)
LJ 6B10	2 5/8" (59mm)	2" (51mm)	2 5/8" (60mm)	N/A
LJ 6B10P1	2 5/8" (59mm)	2" (51mm)	2 5/8" (60mm)	1 3/4" (44mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ 6006	1" (25mm)	3 1/4" (79mm)	1 3/4" (44mm)
LJ 6007	5/8" (8mm)	1 3/4" (44mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2005(8)-34	7" (178mm)	20" (508mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
2005(8)-38	7" (178mm)	20" (508mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
2005(8)-42	7" (178mm)	20" (508mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
2015(8)-34	N/A	28" (711mm)	6" (152mm)	1 3/4" (44mm)	34" (864mm)
2015(8)-38	N/A	28" (711mm)	10" (254mm)	1 3/4" (44mm)	38" (965mm)
2015(8)-42	N/A	28" (711mm)	14" (356mm)	1 3/4" (44mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
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Utility Newels	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
3040(8)	4 3/4" (121mm)	5" (127mm)	23" (584mm)	1 5/8" (38mm)	3 1/2" (89mm)	48" (1219mm)
3042(8)	4 3/4" (121mm)	5" (127mm)	23" (584mm)	2 5/8" (65mm)	3 1/2" (89mm)	58" (1473mm)

Second Floor Landing Newel	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
3045(8)	4 3/4" (121mm)	11" (279mm)	19 1/2" (495mm)	2 1/2" (63mm)	3 1/2" (89mm)	58" (1473mm)

Intermediate Landing Newels	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
3046(8)	4 3/4" (121mm)	14 1/2" (368mm)	16" (406mm)	3 7/8" (99mm)	3 1/2" (89mm)	73" (1854mm)
3053(8)	4 3/4" (121mm)	5" (127mm)	23" (584mm)	2 9/16" (73mm)	3 1/2" (89mm)	62" (1574mm)
3055(8)	4 3/4" (121mm)	5" (127mm)	23" (584mm)	4 0" (101.6mm)	3 1/2" (89mm)	73" (1854mm)
3058(8)	4 3/4" (121mm)	5" (127mm)	23" (584mm)	4 5" (114.3mm)	3 1/2" (89mm)	78" (1981mm)

\* 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-30538†  
LJP-30558†  
LJP-30588†  
Octagonal Option

LJT-3040  
LJT-3042  
LJT-3053†  
LJT-3055†  
LJT-3058†  
Twisted Option

LJF-3040  
LJF-3042  
LJF-3053†  
LJF-3055†  
LJF-3058†  
Fluted Option

LJP-3040  
LJP-3042  
LJP-3053†  
LJP-3055†  
LJP-3058†  
Box Newels

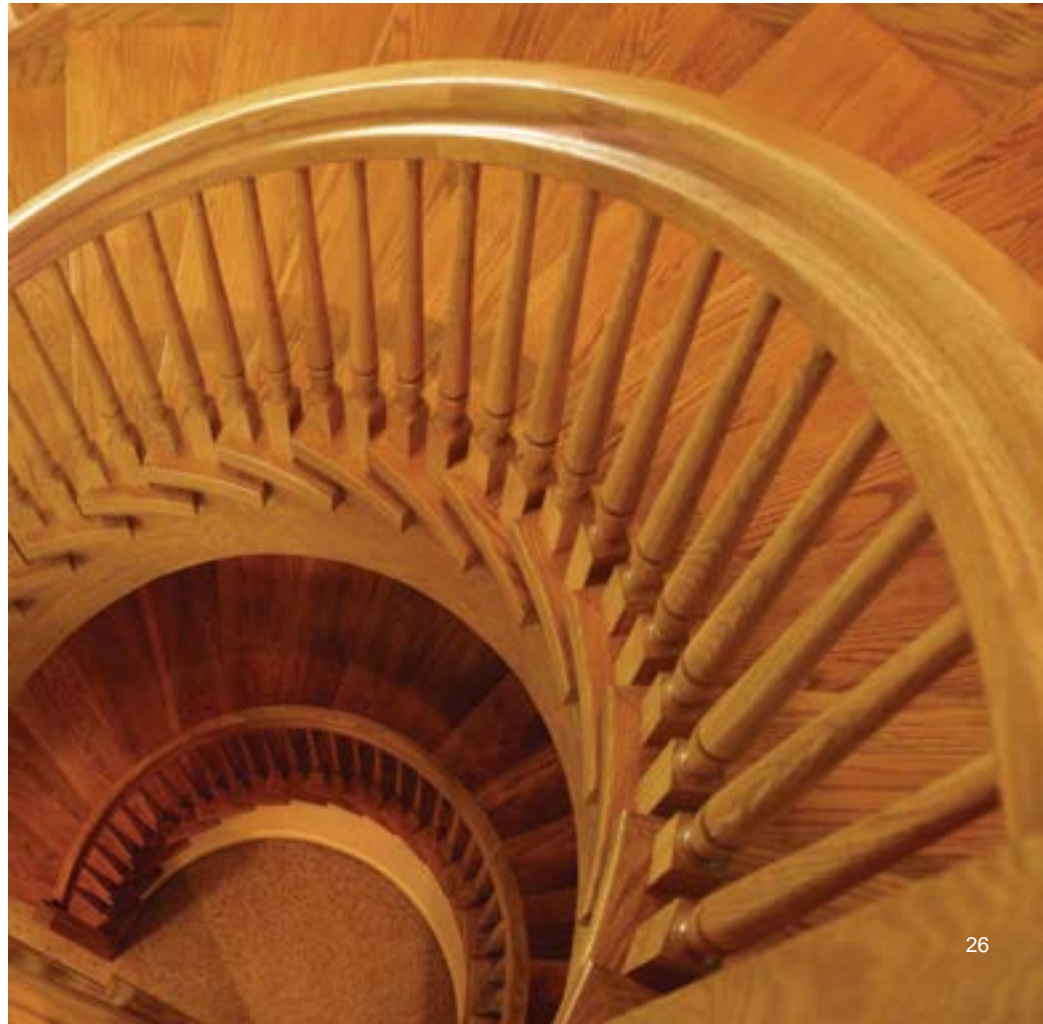
Consider box newels for your stairway from our Hierarchy Collection on pages 36-41

† Requires a landing fitting assembly (gooseneck pp 77-78)



**Pictured:** LJP-2015 Balusters.

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

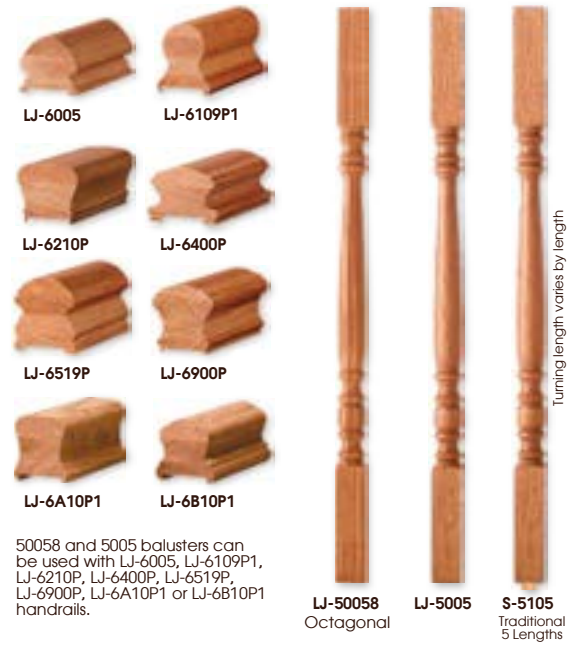


## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



## Shoerail & Fillet



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.

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 85 (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" (69mm)	2 1/2" (64mm)	2 1/2" (64mm)	1 3/4" (44mm)
LJ 6109	2 1/4" (73mm)	1 1/2" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P1	2 1/4" (73mm)	1 1/2" (48mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/8" (60mm)	2 3/8" (60mm)	2" (51mm)	N/A
LJ 6210P	2 3/8" (60mm)	2 3/8" (60mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 3/8" (67mm)	2 3/8" (67mm)	N/A
LJ 6519P	3" (76mm)	2 3/8" (67mm)	2 3/8" (67mm)	1 3/4" (44mm)
LJ 6701	2 1/2" (64mm)	2 3/4" (70mm)	1 3/4" (44mm)	N/A
LJ 6900	2 3/4" (70mm)	2 3/8" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 3/8" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/4" (54mm)	N/A
LJ 6A10P1	2 3/8" (60mm)	2" (51mm)	2 1/4" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P1	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	1 3/4" (44mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ 6006	1" (25mm)	3 1/2" (79mm)	1 3/4" (44mm)
LJ 6007	3/4" (19mm)	1 3/4" (44mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5005ND-31‡	5 1/4" (149mm)	16 3/4" (422mm)	8 1/2" (216mm)	1 3/4" (44mm)	31" (787mm)
LJ 5005(8)-34	7" (178mm)	20" (508mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
LJ 5005(8)-38	7" (178mm)	20" (508mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
LJ 5005(8)-42	7" (178mm)	20" (508mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
S-5105-31	5 1/4" (149mm)	16 3/4" (422mm)	7 3/4" (197mm)	1 3/4" (44mm)	31" (787mm)
S-5105-34	5 1/4" (149mm)	19 3/4" (498mm)	7 3/4" (197mm)	1 3/4" (44mm)	34" (864mm)
S-5105-36	5 1/4" (149mm)	21 1/2" (549mm)	7 3/4" (197mm)	1 3/4" (44mm)	36" (914mm)
S-5105-39	5 1/4" (149mm)	24 3/4" (625mm)	7 3/4" (197mm)	1 3/4" (44mm)	39" (991mm)
S-5105-42	8 1/4" (206mm)	25 3/4" (654mm)	7 3/4" (197mm)	1 3/4" (44mm)	42" (1067mm)
LJ 5300(8)-34	N/A	27" (686mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
LJ 5300(8)-38	N/A	27" (686mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
LJ 5300(8)-42	N/A	27" (686mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
S-5300-31	N/A	22 1/2" (572mm)	7 3/4" (197mm)	1 3/4" (44mm)	31" (787mm)
S-5300-34	N/A	25 1/2" (648mm)	7 3/4" (197mm)	1 3/4" (44mm)	34" (864mm)
S-5300-36	N/A	27 1/2" (699mm)	7 3/4" (197mm)	1 3/4" (44mm)	36" (914mm)
S-5300-39	N/A	30 1/2" (775mm)	7 3/4" (197mm)	1 3/4" (44mm)	39" (991mm)
S-5300-42	N/A	33 1/2" (851mm)	7 3/4" (197mm)	1 3/4" (44mm)	42" (1067mm)

‡ Length is from the top of the bottom block to the top of the balus or from the top of the balus to the top of the pin E-Z.

### Product Dimensions

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 4500(8)	3 1/2" (89mm)	5" (127mm)	23" (584mm)	16 1/4" (413mm)	3 1/2" (89mm)	48" (1219mm)
LJ 4504(8)	3 1/2" (89mm)	5" (127mm)	23" (584mm)	26 1/4" (668mm)	3 1/2" (89mm)	58" (1473mm)
LJ 4004	4 1/2" (114mm)	N/A	N/A	N/A	3 1/2" (89mm)	48" (1219mm)
LJ 4004COL	4 1/4" (112mm)	N/A	N/A	N/A	3 1/2" (89mm)	48" (1219mm)
LJ 4004RT	3 1/2" (89mm)	N/A	N/A	N/A	3 1/2" (89mm)	48" (1219mm)
<b>Second Floor Landing Newel</b>						
LJ 4503(8)	3 1/2" (89mm)	11" (279mm)	19 1/2" (495mm)	23 3/4" (603mm)	3 1/2" (89mm)	58" (1473mm)
LJ 4005	4 1/2" (114mm)	N/A	N/A	N/A	3 1/2" (89mm)	58" (1473mm)
LJ 4005COL	4 1/4" (112mm)	N/A	N/A	N/A	3 1/2" (89mm)	58" (1473mm)
LJ 4005RT	3 1/2" (89mm)	N/A	N/A	N/A	3 1/2" (89mm)	58" (1473mm)
<b>Intermediate Landing Newels</b>						
LJ 4505(8)	3 1/2" (89mm)	14 1/2" (368mm)	16" (406mm)	38 3/4" (984mm)	3 1/2" (89mm)	73" (1854mm)
LJ 4553(8)	3 1/2" (89mm)	5" (127mm)	23" (584mm)	30 1/4" (768mm)	3 1/2" (89mm)	62" (1574mm)
LJ 4555(8)	3 1/2" (89mm)	5" (127mm)	23" (584mm)	41 1/4" (1068mm)	3 1/2" (89mm)	73" (1854mm)
LJ 4558(8)	3 1/2" (89mm)	5" (127mm)	23" (584mm)	46 1/4" (1175mm)	3 1/2" (89mm)	78" (1981mm)
LJ 4006	4 1/2" (114mm)	N/A	N/A	N/A	3 1/2" (89mm)	73" (1854mm)
LJ 4006COL	4 1/4" (112mm)	N/A	N/A	N/A	3 1/2" (89mm)	73" (1854mm)
LJ 4006RT	3 1/2" (89mm)	N/A	N/A	N/A	3 1/2" (89mm)	73" (1854mm)

**Pictured Right:** LJ-6519 Handrail, LJ-5300 Balusters with LIH-HOL50144 and LIH-HOL11W44 Iron Balusters.

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





**Newel Posts**



Available in Colonial Ball Top Specify "COL" suffix (LJ-45008-COL) (LJ-4500-COL)

**Newel Drop**



LJ-4299A



LJ-45008  
LJ-45048  
LJ-45538†  
LJ-45558†  
LJ-45588†

LJ-45038

Octagonal Option

LJ-45058

LJ-4500  
LJ-4504  
LJ-4553†  
LJ-4555†  
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**

† Requires a landing fitting assembly (gooseneck pp 77-78)

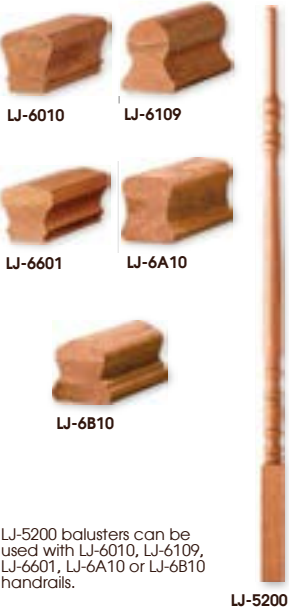
Consider box newels for your stairway from our Hierloom Collection on pages 36-41



# Classic Collection

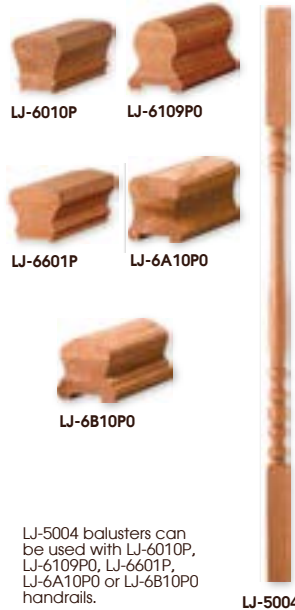
Post to Post

## 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-6109P, LJ-6601P, LJ-6A10P or LJ-6B10P handrails.

## Shoerail & Fillet



## Newel Posts



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

## Newel Drop



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 85 (sold separately).

† Requires a landing fitting assembly (gooseneck pp 77-78)

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6010	2 3/4" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6010P	2 3/4" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6109	2 7/8" (73mm)	1 1/2" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P	2 7/8" (73mm)	1 1/2" (48mm)	2 3/8" (60mm)	1 1/4" (32mm)
LJ 6601	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6601P	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A
LJ 6A10P	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 1/4" (32mm)
LJ 6B10	2 3/4" (59mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P	2 3/4" (59mm)	2" (51mm)	2 3/8" (60mm)	1 1/4" (32mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5004ND-31†	5 1/4" (149mm)	16 3/4" (422mm)	8 1/4" (216mm)	1 1/4" (32mm)	31" (787mm)
LJ 5004-34	7" (178mm)	20" (508mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5004-38	7" (178mm)	20" (508mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5004-42	7" (178mm)	20" (508mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5200-34	N/A	27" (686mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5200-38	N/A	27" (686mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5200-42	N/A	27" (686mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 4600	3 7/16" (97mm)	5" (127mm)	23" (584mm)	16 1/4" (413mm)	3" (76mm)	48" (1219mm)
LJ 4604	3 7/16" (97mm)	5" (127mm)	23" (584mm)	26 1/4" (668mm)	3" (76mm)	58" (1473mm)

Utility Newels	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ 4603	3 7/16" (97mm)	11" (279mm)	19 1/2" (495mm)	23 3/4" (603mm)	3" (76mm)	58" (1473mm)

Second Floor Landing Newel	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ 4605	3 7/16" (97mm)	14 1/2" (368mm)	16" (406mm)	38 3/4" (984mm)	3" (76mm)	73" (1854mm)

Intermediate Landing Newels	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ 4653	3 7/16" (97mm)	5" (127mm)	23" (584mm)	30 1/4" (768mm)	3" (76mm)	62" (1544mm)
LJ 4655	3 7/16" (97mm)	5" (127mm)	23" (584mm)	41 1/4" (1048mm)	3" (76mm)	73" (1854mm)
LJ 4658	3 7/16" (97mm)	5" (127mm)	23" (584mm)	46 1/4" (1175mm)	3" (76mm)	78" (1981mm)

Rake Newel	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ 3513PT	N/A	N/A	27 13/16" (706mm)	20 7/16" (533mm)	3" (76mm)	48" (1219mm)



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



## Non-Plowed Handrails and Pin Top Balusters



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

## Plowed Handrails and Square Top Balusters



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

## Shoerail & Fillet



## Newel Posts



**Box Newels**  
LJ-4V40-5.0  
LJ-4V42-5.0  
LJ-4V53-5.0†  
LJ-4V55-5.0†  
LJ-4V58-5.0†

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

**Post to Post**

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 85 (sold separately).

† Requires a landing fitting assembly (gooseneck pp 77-78)

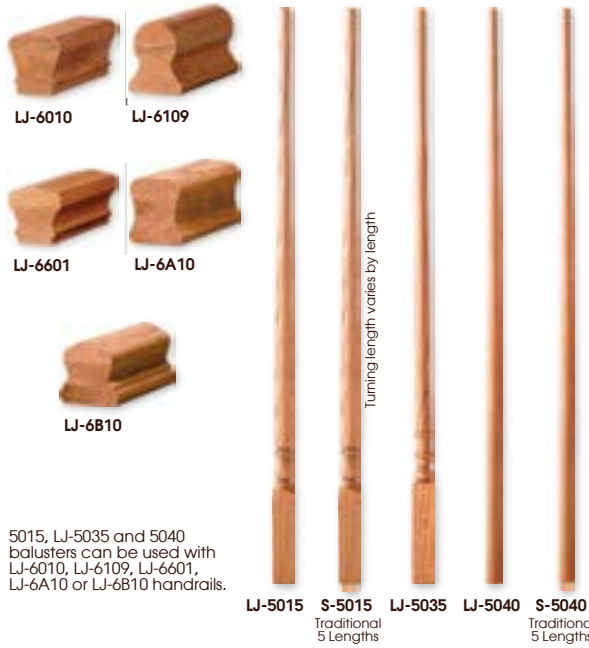
Product Dimensions						
Handrails:	Height		Profile Width	Bottom Width	Plow Width	
LJ 6V10	2½" (64mm)		2½" (67mm)	2½" (64mm)	N/A	
LJ 6V10P	2½" (64mm)		2½" (67mm)	2½" (64mm)	1¾" (44mm)	
LJ 6210	2½" (60mm)		2½" (67mm)	2" (51mm)	N/A	
LJ 6210P	2½" (60mm)		2½" (67mm)	2" (51mm)	1¾" (44mm)	
LJ 6519	3" (76mm)		2½" (67mm)	2½" (67mm)	N/A	
LJ 6519P	3" (76mm)		2½" (67mm)	2½" (67mm)	1¾" (44mm)	
LJ 6900	2¾" (70mm)		2½" (67mm)	1½" (49mm)	N/A	
LJ 6900P	2¾" (70mm)		2½" (67mm)	1½" (49mm)	1¾" (44mm)	
Shoerail and Fillet:	Height		Width		Plow Width	
LJ 6006	1" (25mm)		3¼" (79mm)		1¾" (44mm)	
LJ 6007	¾" (8mm)		1¾" (44mm)		N/A	
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ 5V05-34	6¼" (166mm)	20¾" (516mm)	7¼" (181mm)	1¾" (44mm)	34" (864mm)	
LJ 5V05-38	6¼" (166mm)	20¾" (516mm)	11½" (283mm)	1¾" (44mm)	38" (965mm)	
LJ 5V05-42	6¼" (166mm)	20¾" (516mm)	15½" (384mm)	1¾" (44mm)	42" (1067mm)	
LJ 5V15-34	N/A	26¾" (682mm)	7¼" (181mm)	1¾" (44mm)	34" (864mm)	
LJ 5V15-38	N/A	26¾" (682mm)	11½" (283mm)	1¾" (44mm)	38" (965mm)	
LJ 5V15-42	N/A	26¾" (682mm)	15½" (384mm)	1¾" (44mm)	42" (1067mm)	
LJ 5V25-34	6¼" (166mm)	20¾" (516mm)	7¼" (181mm)	1¾" (44mm)	34" (864mm)	
LJ 5V25-38	6¼" (166mm)	20¾" (516mm)	11½" (283mm)	1¾" (44mm)	38" (965mm)	
LJ 5V25-42	6¼" (166mm)	20¾" (516mm)	15½" (384mm)	1¾" (44mm)	42" (1067mm)	
LJ 5V35-34	N/A	26¾" (682mm)	7¼" (181mm)	1¾" (44mm)	34" (864mm)	
LJ 5V35-38	N/A	26¾" (682mm)	11½" (283mm)	1¾" (44mm)	38" (965mm)	
LJ 5V35-42	N/A	26¾" (682mm)	15½" (384mm)	1¾" (44mm)	42" (1067mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
<b>Utility Newels</b>						
LJ 4V40-5.0	5¾" (137mm)	5¼" (133mm)	20½" (521mm)	16¾" (416mm)	5" (127mm)	48" (1219mm)
LJ 4V42-5.0	5¾" (137mm)	5¼" (133mm)	20½" (521mm)	26¾" (670mm)	5" (127mm)	58" (1473mm)
<b>Landing Newels</b>						
LJ 4V53-5.0	5¾" (137mm)	5¼" (133mm)	20½" (521mm)	30¾" (772mm)	5" (127mm)	62" (1574mm)
LJ 4V55-5.0	5¾" (137mm)	5¼" (133mm)	20½" (521mm)	39¾" (1000mm)	5" (127mm)	73" (1854mm)
LJ 4V58-5.0	5¾" (137mm)	5¼" (133mm)	20½" (521mm)	44¾" (1127mm)	5" (127mm)	78" (1981mm)

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



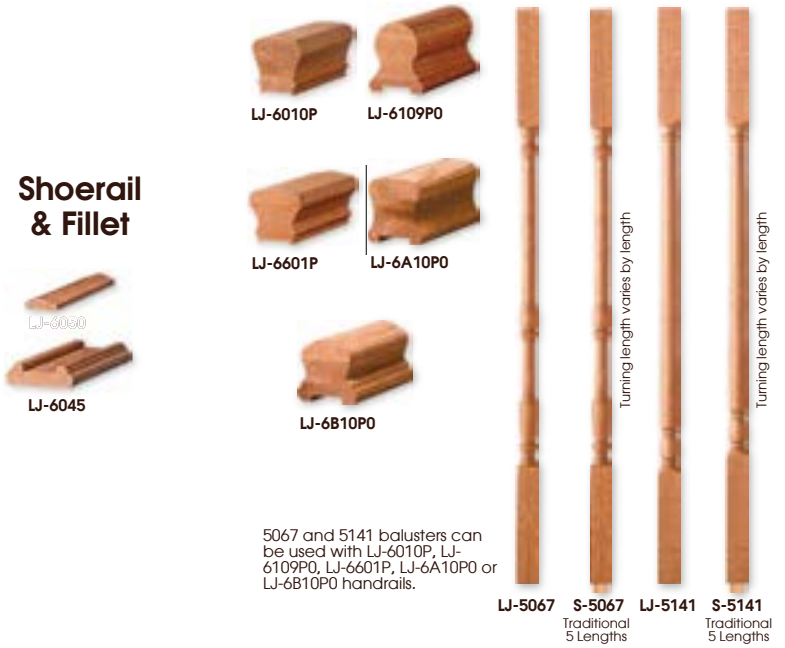
**Pictured:** LJ-6V10P Handrail, LJ-4V40-5.0 Newel and LJ-5V05 Balusters.

## 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 85 (sold separately). "S-" series balusters have a turned bottom pin.

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6010	2 3/4" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6010P	2 3/4" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6109	2 1/4" (57mm)	1 3/4" (46mm)	2 3/4" (60mm)	N/A
LJ 6109P0	2 1/4" (57mm)	1 3/4" (46mm)	2 3/4" (60mm)	1 1/4" (32mm)
LJ 6601	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A
LJ 6601P	2 1/4" (57mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6A10	2 3/4" (60mm)	2" (51mm)	2 1/4" (57mm)	N/A
LJ 6A10P0	2 3/4" (60mm)	2" (51mm)	2 1/4" (57mm)	1 1/4" (32mm)
LJ 6B10	2 3/4" (60mm)	2" (51mm)	2 3/4" (60mm)	N/A
LJ 6B10P0	2 3/4" (60mm)	2" (51mm)	2 3/4" (60mm)	1 1/4" (32mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5015ND-31‡	N/A	22 3/4" (575mm)	8 3/4" (213mm)	1 1/4" (32mm)	31" (787mm)
LJ 5015-34	N/A	28" (711mm)	6" (152mm)	1 1/4" (32mm)	34" (864mm)
LJ 5015-38	N/A	28" (711mm)	10" (254mm)	1 1/4" (32mm)	38" (965mm)
LJ 5015-42	N/A	28" (711mm)	14" (356mm)	1 1/4" (32mm)	42" (1067mm)
S-5015-31	N/A	22 3/4" (575mm)	7 3/8" (193mm)	1 1/4" (32mm)	31" (787mm)
S-5015-34	N/A	25 3/8" (651mm)	7 3/8" (193mm)	1 1/4" (32mm)	34" (864mm)
S-5015-36	N/A	27 3/8" (702mm)	7 3/8" (193mm)	1 1/4" (32mm)	36" (914mm)
S-5015-39	N/A	30 3/8" (778mm)	7 3/8" (193mm)	1 1/4" (32mm)	39" (990mm)
S-5015-42	N/A	33 3/8" (854mm)	7 3/8" (193mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5035-34	N/A	28" (711mm)	6" (152mm)	1 1/4" (32mm)	34" (864mm)
LJ 5035-38	N/A	28" (711mm)	10" (254mm)	1 1/4" (32mm)	38" (965mm)
LJ 5035-42	N/A	28" (711mm)	14" (356mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5040-34	N/A	34" (864mm)	N/A	1 1/2" diam (29mm)	34" (864mm)
LJ 5040-38	N/A	38" (965mm)	N/A	1 1/2" diam (29mm)	38" (965mm)
LJ 5040-42	N/A	42" (1067mm)	N/A	1 1/2" diam (29mm)	42" (1067mm)
S-5040-31	N/A	30 3/4" (769mm)	N/A	1 1/2" diam (29mm)	31" (787mm)
S-5040-34	N/A	33 3/4" (859mm)	N/A	1 1/2" diam (29mm)	34" (864mm)
S-5040-36	N/A	35 3/4" (899mm)	N/A	1 1/2" diam (29mm)	36" (914mm)
S-5040-39	N/A	38 1/4" (972mm)	N/A	1 1/2" diam (29mm)	39" (990mm)
S-5040-42	N/A	41 1/4" (1048mm)	N/A	1 1/2" diam (29mm)	42" (1067mm)
LJ 5067-34	7" (178mm)	20" (508mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5067-38	7" (178mm)	20" (508mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5067-42	7" (178mm)	20" (508mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
S-5067-31	5 1/4" (133mm)	19 1/2" (495mm)	5 1/4" (133mm)	1 1/4" (32mm)	31" (787mm)
S-5067-34	5 1/4" (133mm)	21 1/2" (546mm)	5 1/4" (133mm)	1 1/4" (32mm)	34" (864mm)
S-5067-36	5 1/4" (133mm)	24" (609mm)	5 1/4" (133mm)	1 1/4" (32mm)	36" (914mm)
S-5067-39	5 1/4" (133mm)	27 1/2" (699mm)	5 1/4" (133mm)	1 1/4" (32mm)	39" (990mm)
S-5067-42	7 3/4" (194mm)	27 3/4" (705mm)	5 1/4" (133mm)	1 1/4" (32mm)	42" (1067mm)

\* Length is from the top of the bottom block to the top of the balus er

‡ This balus er is for k eewall s airway only. It is NOT predrilled and does NOT int ude the Pin E-Z.

### Product Dimensions

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

‡ This Balus er is for k eewall s airway only. It is NOT predrilled and does NOT int ude the Pin E-Z.

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
<b>Utility Newels</b>						
LJ 4040	2 3/4" (67mm)	5" (127mm)	23" (584mm)	17" (431mm)	3" (76mm)	48" (1219mm)
LJ 4042	2 3/4" (67mm)	5" (127mm)	23" (584mm)	27" (686mm)	3" (76mm)	58" (1473mm)
LJ 4150	3 3/4" (95mm)	5" (127mm)	23" (584mm)	16" (406mm)	3" (76mm)	48" (1219mm)
LJ 4152	3 3/4" (95mm)	5" (127mm)	23" (584mm)	26" (660mm)	3" (76mm)	58" (1473mm)
LJ 4180	2 3/4" (67mm)	5" (127mm)	23" (584mm)	17" (431mm)	3 1/4" (83mm)	48" (1219mm)
LJ 4182	2 3/4" (67mm)	5" (127mm)	23" (584mm)	27" (686mm)	3 1/4" (83mm)	58" (1473mm)
<b>Second Floor Landing Newel</b>						
LJ 4045	2 3/4" (67mm)	11" (279mm)	19 1/2" (495mm)	24 1/2" (622mm)	3" (76mm)	58" (1473mm)
LJ 4155	3 3/4" (95mm)	11" (279mm)	19 1/2" (495mm)	23 1/2" (597mm)	3" (76mm)	58" (1473mm)
LJ 4185	2 3/4" (67mm)	11" (279mm)	19 1/2" (495mm)	24 1/2" (622mm)	3 1/4" (83mm)	58" (1473mm)
<b>Intermediate Landing Newels</b>						
LJ 4046	2 3/4" (67mm)	14 1/2" (368mm)	16" (406mm)	39 1/2" (1003mm)	3" (76mm)	73" (1854mm)
LJ 4053	2 3/4" (67mm)	5" (127mm)	23" (584mm)	31" (787mm)	3" (76mm)	62" (1574mm)
LJ 4055	2 3/4" (67mm)	5" (127mm)	23" (584mm)	42" (1067mm)	3" (76mm)	73" (1854mm)
LJ 4058	2 3/4" (67mm)	5" (127mm)	23" (584mm)	47" (1193mm)	3" (76mm)	78" (1981mm)
LJ 4156	3 3/4" (95mm)	14 1/2" (368mm)	16" (406mm)	38 1/2" (978mm)	3" (76mm)	73" (1854mm)
LJ 4163	3 3/4" (95mm)	5" (127mm)	23" (584mm)	30" (762mm)	3" (76mm)	62" (1574mm)
LJ 4165	3 3/4" (95mm)	5" (127mm)	23" (584mm)	41" (1041mm)	3" (76mm)	73" (1854mm)
LJ 4168	3 3/4" (95mm)	5" (127mm)	23" (584mm)	46" (1168mm)	3" (76mm)	78" (1981mm)
LJ 4186	2 3/4" (67mm)	14 1/2" (368mm)	16" (406mm)	39 3/4" (1006mm)	3 1/4" (83mm)	73" (1854mm)
LJ 4193	2 3/4" (67mm)	5" (127mm)	23" (584mm)	31" (787mm)	3 1/4" (83mm)	62" (1574mm)
LJ 4195	2 3/4" (67mm)	5" (127mm)	23" (584mm)	42" (1067mm)	3 1/4" (83mm)	73" (1854mm)
LJ 4198	2 3/4" (67mm)	5" (127mm)	23" (584mm)	47" (1193mm)	3 1/4" (83mm)	78" (1981mm)
<b>Rake Newel</b>						
LJ 4013PT	N/A	N/A	27" (686mm)	16" (406mm)	3" (76mm)	43" (1099mm)

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-4193†  
LJ-4195†  
LJ-4198†



LJ-4185



LJ-4186



LJ-4150  
LJ-4152  
LJ-4163†  
LJ-4165†  
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

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

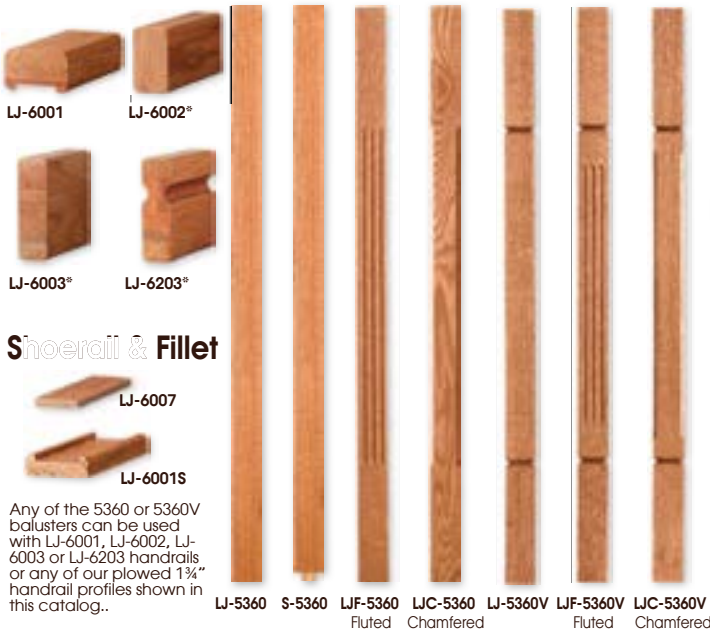
**Box Newels**

† Requires a landing fitting assembly (gooseneck pp 77-78)



Post to Post

## Handrails and Square Balusters

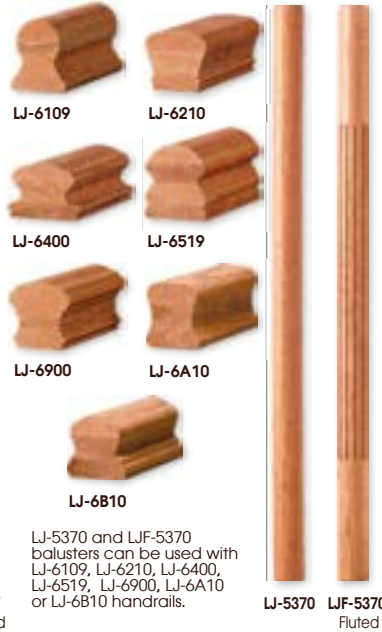


### Shoerail & Fillet



Any of the 5360 or 5360V balusters can be used with LJ-6001, LJ-6002, LJ-6003 or LJ-6203 handrails or any of our plowed 1 3/4" handrail profiles shown in this catalog..

## 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 or LJF-5370 balusters.

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

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

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

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6001	1 1/8" (41 mm)	2 3/4" (70 mm)	2 3/4" (70 mm)	1 3/4" (44 mm)
LJ 6002	2 3/4" (70 mm)	1 1/8" (41 mm)	1 1/8" (41 mm)	N/A
LJ 6003	5 1/2" (140 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A
LJ 6109	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A
LJ 6203	5 1/2" (140 mm)	1 1/8" (41 mm)	1 1/8" (41 mm)	N/A
LJ 6210	2 5/8" (60 mm)	2 5/8" (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 3/4" (67 mm)	2 3/4" (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 3/8" (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	3/8" (8 mm)	1 3/4" (44 mm)	N/A

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

Newel Posts:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ 4000	N/A	N/A	N/A	3 1/2" (89 mm)	48" (1219 mm)
LJF -4000	1 1/2" (38 mm)	20" (508 mm)	16 1/2" (419 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJC -4000	1 1/2" (38 mm)	20" (508 mm)	16 1/2" (419 mm)	3 1/2" (89 mm)	48" (1219 mm)

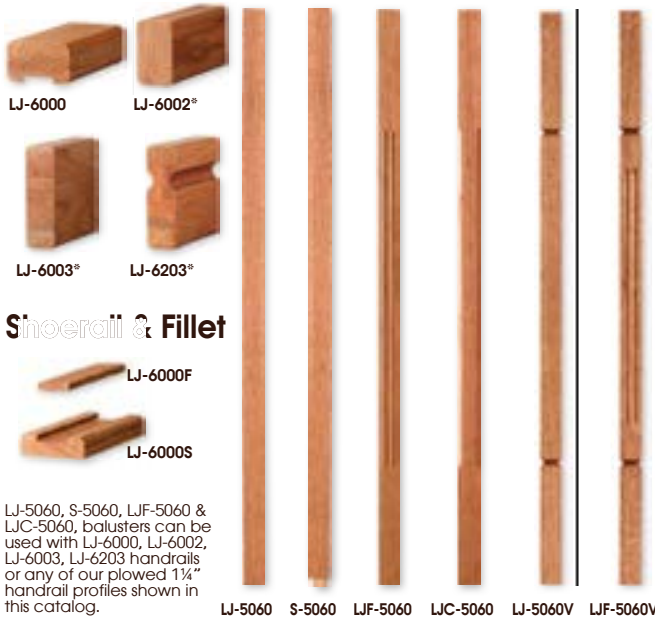
  

Intermediate Landing Newels	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ 4001	N/A	N/A	N/A	3 1/2" (89 mm)	58" (1473 mm)
LJF -4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3 1/2" (89 mm)	58" (1473 mm)
LJC -4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3 1/2" (89 mm)	58" (1473 mm)





## Handrails and Square Balusters

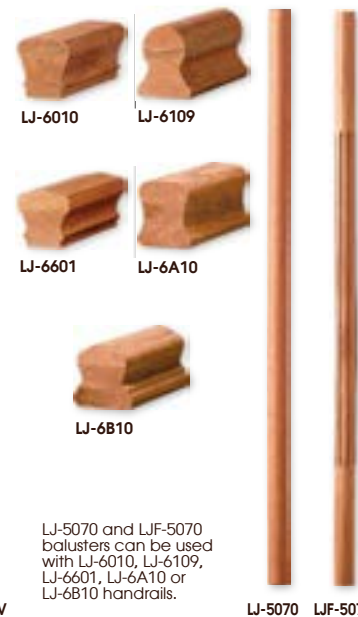


## Shoerail & Fillet



LJ-5060, S-5060, LJF-5060 & LJC-5060, balusters can be used with LJ-6000, LJ-6002, 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



## 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 1/4" diameter hole to properly install the LJ-5070 or LJF-5070 balusters.

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

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

## 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	2 3/4" (70 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6003	5 1/2" (140 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6010	2 1/4" (60 mm)	2 1/4" (67 mm)	1 1/2" (38 mm)	N/A	
LJ-6109	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6203	5 1/2" (140 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6601	2 1/4" (67 mm)	2 1/4" (67 mm)	1 1/2" (38 mm)	N/A	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	N/A	
LJ-6B10	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6000F	3/8" (9 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 7/8" (149 mm)	18 1/2" (460 mm)	10" (254 mm)	1 1/4" (32 mm) Square	34" (864 mm)
LJC-5060-38	5 7/8" (149 mm)	18 1/2" (460 mm)	14" (356 mm)	1 1/4" (32 mm) Square	38" (965 mm)
LJC-5060-42	5 7/8" (149 mm)	18 1/2" (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)				
LJF-5070-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm) Round	34" (864 mm)
LJF-5070-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm) Round	38" (965 mm)
LJF-5070-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm) Round	42" (1067 mm)
Newel Posts:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
Utility Newels					
LJ-4110	N/A	N/A	N/A	3" (76 mm)	48" (1219 mm)
LJF-4110	1 1/2" (38 mm)	20" (508 mm)	16 1/2" (419 mm)	3" (76 mm)	48" (1219 mm)
LJC-4110	1 1/2" (38 mm)	20" (508 mm)	16 1/2" (419 mm)	3" (76 mm)	48" (1219 mm)
Intermediate Landing Newels					
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:** 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.

Post to Post

# Heirloom Collection

Post to Post

This section features our collection of box newels and decorative accessories—we call this our Heirloom Collection. The styling of these handcrafted posts dates back to the seventeenth and eighteenth centuries and is once again becoming a popular choice for many of today's homes.

**Pictured:** LJ-6010P Plowed Handrail, LJ-5060 Balusters, and LJ-4091NC Box Newels with LJ-C4091 Cap.

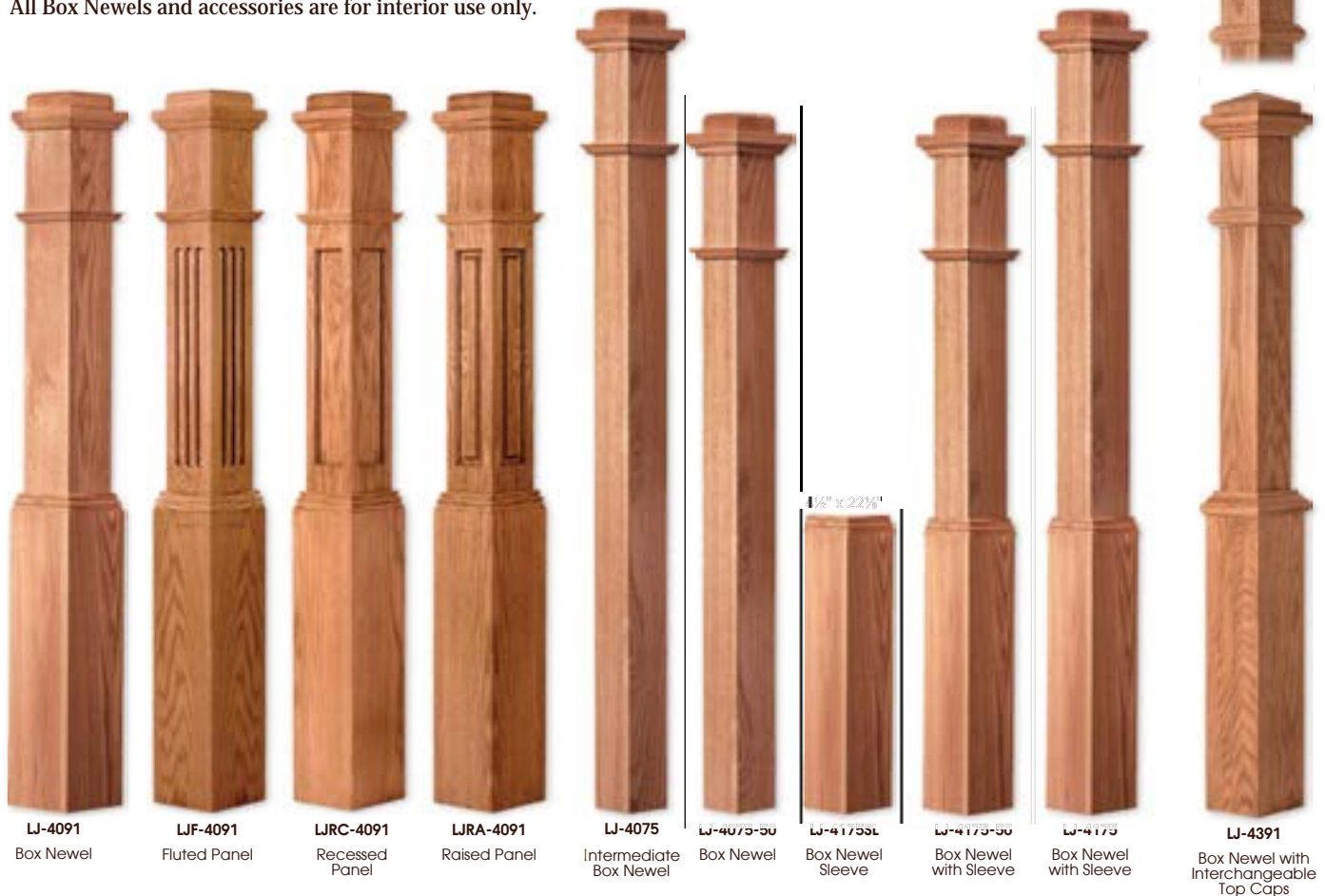


L.J. Smith Box Newels are individually hand made by experienced craftsmen, consistent with the methods and techniques that have been proven over many years. The next several pages feature our complete Box Newel offering, including our full line of decorative box newel accessories.



Pictured left to right:  
 LJ-4091 Box Newels, LI-1BASK44 and LI-DBLTW44 Iron Balusters, LJ-6519 Handrail.  
 LJRA-4091 Box Newels, LI-2TW44 LI-1BASK44, and LI-30144 Iron Balusters, LJ-6900 Handrail.  
 LJ-4091 Box Newels, LJ-5360 Balusters, LJ-6400P Handrail.  
 LJ-4095 Box Newels with LJ-9100 Rosette Blocks and LJ-9003 Acorn Finials, LJ-53008 Balusters, LJ-6701 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 3/4" (44 mm) balusters and corresponding handrails. They can, however, be used with 1 1/4" (32 mm) balusters and corresponding handrails. These newels can also be accessorized with our top plates, finials, embossed carvings, rosette blocks, and picture frame kits, 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 3/8" (35mm)	1 1/2" (38mm)	3/4" (19mm)	1 3/8" (35mm)	6 1/4" (159mm)	20 3/4" (527mm)	23" (584mm)	6 1/4" (159mm)	55" (1397mm)
LJ 4075	1 3/8" (35mm)	1 1/2" (38mm)	3/4" (19mm)	N/A	6 1/4" (159mm)	N/A	56 7/8" (146mm)	3 1/2" (89mm)	66 3/4" (1695mm)
LJ 4075-50	1 3/8" (35mm)	1 1/2" (38mm)	3/4" (19mm)	N/A	6 1/4" (159mm)	N/A	40 1/4" (1019mm)	3 1/2" (89mm)	50" (1270mm)
LJ 4175	1 3/8" (35mm)	1 1/2" (38mm)	3/4" (19mm)	N/A	6 1/4" (159mm)	34 3/8" (873mm)	22 1/4" (562mm)	4 1/2" (114mm)	66 3/4" (1695mm)
LJ-4175-50	1 3/8" (35mm)	1 1/2" (38mm)	3/4" (19mm)	N/A	6 1/4" (159mm)	17 7/8" (453mm)	22 1/4" (562mm)	4 1/2" (114mm)	50" (1270mm)
LJ 4391	1 3/8" (35mm) & 1 3/4" (19mm)	1 7/8" (48mm)	1 1/2" (38mm)	1 7/8" (48mm)	5 1/4" (133mm)	22 3/4" (568mm)	23 1/4" (591mm)	5 1/2" (140mm)	54 1/4" (1383mm)

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.



# 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, finials, embossed carvings, and rosette blocks, 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 (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" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4093	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4094	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4095	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4096*	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4097*	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	20" (508mm)	7 1/2" (191mm)	53 3/16" (1361mm)
LJ 4392	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)
LJ 4393	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)
LJ 4394	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)
LJ 4395	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)
LJ 4396*	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)
LJ 4397*	2 3/16" (56mm)	1 1/4" (32mm)	1 1/4" (32mm)	5 3/16" (132mm)	23 3/16" (592mm)	28 13/16" (732mm)	4 1/4" (108mm)	62" (1575mm)

\* 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, finials, embossed carvings, and rosette blocks, 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
LJ-4096	Box Newel with Diamond & Trapezoid Inlay
LJ-4097	Box Newel with Rectangle Inlay
LJ-4396	Intermediate Box Newel with Diamond & Trapezoid Inlay
LJ-4397	Intermediate Box Newel with Rectangle Inlay

# Heirloom Collection

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.

**LJ-9011**  
Cap for LJ-4110SQ-PRG  
and LJ-4111SQ-PRG



**LJ-4110SQ-PRG**  
S4S 3" x 48"

**LJ-9012**  
Cap for LJ-4000SQ-PRG  
and LJ-4001SQ-PRG



**LJ-4000SQ-PRG**  
S4S 3½" x 48"



**LJ-C4075**  
Cap for  
LJ-4075NC-PRG

**LJ-4075NC-PRG**  
LJ-4075 without cap

**LJ-C4091**  
Cap for LJ/LJF-4091NC-PRG



**LJ-4091NC-PRG**  
LJ-4091 without cap



**LJF-4091NC-PRG**  
LJF-4091 without cap

**LJ-4111SQ-PRG**  
S4S 3" x 58"

**LJ-4001SQ-PRG**  
S4S 3½" x 58"

## Product Dimensions

	Item Number	Width	Height
Top Caps:	LJ 9011	4 15/16" (125mm)	1 5/8" (41 mm)
	LJ 9012	5 7/16" (138mm)	1 5/8" (41 mm)
	LJ C4075	5" (127 mm)	2 1/4" (73 mm)
	LJ C4091	6 1/4" (163 mm)	2 1/4" (73 mm)
Newel Bodies:	LJ 4110SQ	3" (76mm)	48" (1219mm)
	LJ 4111SQ	3" (76mm)	58" (1473mm)
	LJ 4000SQ	3 1/2" (89mm)	48" (1219mm)
	LJ 4001SQ	3 1/2" (89mm)	58" (1473mm)
	LJ 4075NC	3 1/2" (89mm)	65 1/2" (1654 mm)
	LJ 4091NC	6 1/4" (159mm)	53 3/8" (1355mm)
	LJF -4091NC	6 1/4" (159mm)	53 3/8" (1355mm)





Easily upgrade any half wall stairway with our innovative Half Wall Box Newel and Sleeve. This very economical stairway upgrade is great for new construction and remodel work. Available in matte primed finish to be painted to match the walls or trim in the home. For interior use only.



**LJ-4098**  
Half Wall  
Box Newel



**LJ-4098SL**  
Half Wall  
Box Newel  
Sleeve

**Quick and Simple Installation!**



**1** - Trim newel and sleeve



**2** - Slide newel onto half wall



**3** - Secure newel in place

**Product Dimensions**

Item Number:	Top Cap Height	Top Block Length	Middle Moulding Height	Bottom Newel Length	Square Size	Overall Length	Opening Height	Opening Width
LJ 4098	2 7/8" (73mm)	6 1/2" (165mm)	3/4" (19mm)	44 7/8" (1139mm)	6 1/8" (155mm)	55" (1397mm)	49 7/8" (1260mm)	4 3/8" (117mm)
LJ 4098SL	N/A	N/A	N/A	N/A	7 3/8" (194mm)	23" (584mm)	23" (584mm)	4 3/8" (117mm)

# Heirloom Collection Accessories

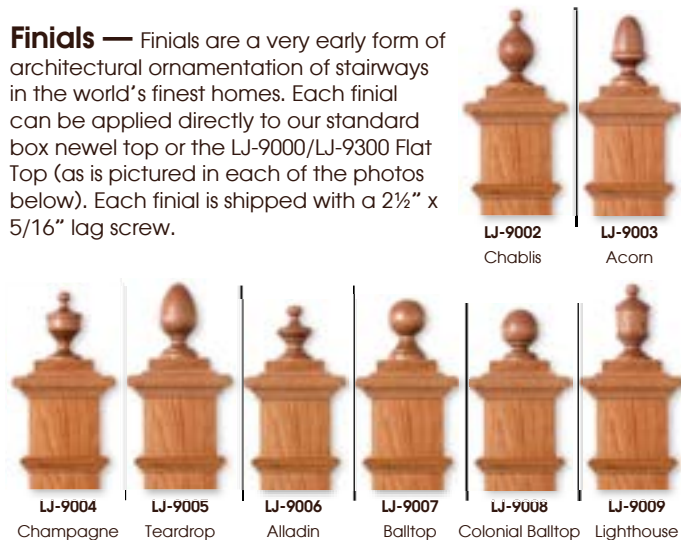
Many of our Box Newels are crafted with a flat top plate. This allows for a variety of options from which you can choose to suit your particular taste. Each of the items pictured below are sold separately and are available in the same wood species as our Box Newels. All Box Newels and accessories are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

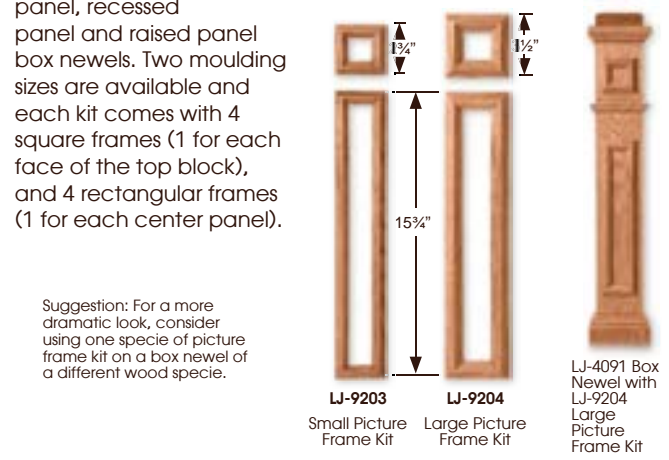


Product Dimensions				
<b>Top Plates:</b>	Item Number	Length	Width	Thickness
	LJ 9000	5" (127mm)	5" (127mm)	1" (25mm)
	LJ 9001	5" (127mm)	5" (127mm)	1 1/4" (32mm)
	LJ 9300	3 3/8" (92mm)	3 3/8" (92mm)	7/8" (22mm)
	LJ 9301	3 3/8" (92mm)	3 3/8" (92mm)	1 3/8" (24mm)
<b>Finials:</b>	Item Number	Height	Widest Width	Base Diameter
	LJ 9002	6 7/16" (167mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9003	6" (152mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9004	5 19/16" (148mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9005	6 7/16" (164mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9006	4 3/4" (121mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9007	5 3/16" (132mm)	3 1/4" (83mm)	3 1/4" (83mm)
	LJ 9008	4 7/16" (113mm)	3 1/4" (83mm)	3 1/8" (76mm)
	LJ 9009	6 1/2" (166mm)	3 3/8" (79mm)	3 1/4" (83mm)
	<b>Rosette Blocks:</b>	Item Number	Height	Width
LJ 9100		4" (102mm)	4" (102mm)	1/2" (13mm)
LJ 9101		3 1/2" (89mm)	3 1/2" (89mm)	1/2" (13mm)
<b>Embossed Carvings:</b>	Item Number	Height	Width	Thickness
	LJ 9102	3 1/2" (89mm)	3 1/2" (89mm)	1/8" (3mm)
	LJ 9103	3" (76mm)	3 3/8" (92mm)	1/8" (3mm)
	LJ 9104	3" (76mm)	3" (76mm)	1/8" (3mm)
	LJ 9105	3 1/4" (83mm)	3 1/2" (89mm)	1/8" (3mm)

**Finials** — Finials are a very early form of architectural ornamentation of stairways in the world's finest homes. Each finial can be applied directly to our standard box newel top or the LJ-9000/LJ-9300 Flat Top (as is pictured in each of the photos below). Each finial is shipped with a 2 1/2" x 5/16" lag screw.



**Picture Frame Kits** — These kits add dimension to plain panel box newels. They are an economical alternative to fluted panel, recessed panel and raised panel box newels. Two moulding sizes are available and each kit comes with 4 square frames (1 for each face of the top block), and 4 rectangular frames (1 for each center panel).



Suggestion: For a more dramatic look, consider using one specie of picture frame kit on a box newel of a different wood specie.

## Rosette Blocks & Embossed Carvings

Our Ornamental Rosette Blocks provide an opportunity to carry the millwork theme in your home to your stairway as well. Our Embossed Carvings are a very popular ornamental addition to our Box Newels.



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			✓	✓	✓	✓	✓	✓								
9002		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9003		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9004		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9005		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9006		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9007		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9008		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9009		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
9100		✓	✓	✓	✓	✓	✓	✓								
9101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9102		✓	✓	✓	✓	✓	✓	✓								
9103		✓	✓	✓	✓	✓	✓	✓								
9104	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9105		✓	✓	✓	✓	✓	✓	✓								
9203	✓								✓	✓						
9204		✓	✓													
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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ 6109	2 1/4" (73mm)	1 3/4" (48mm)	2 3/4" (60mm)	N/A	
LJ 6109P1	2 1/4" (73mm)	1 1/2" (48mm)	2 1/2" (60mm)	1 3/4" (44mm)	
LJ 6210	2 3/4" (60mm)	2 3/4" (67mm)	2" (51mm)	N/A	
LJ 6210P	2 3/4" (60mm)	2 3/4" (67mm)	2" (51mm)	1 3/4" (44mm)	
LJ 6400	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	N/A	
LJ 6400P	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)	
LJ 6519	3" (76mm)	2 3/4" (67mm)	2 3/4" (67mm)	N/A	
LJ 6519P	3" (76mm)	2 3/4" (67mm)	2 3/4" (67mm)	1 3/4" (44mm)	
LJ 6701	2 1/4" (54mm)	2 3/4" (70mm)	1 3/4" (41mm)	N/A	
LJ 6900	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	N/A	
LJ 6900P	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)	
LJ 6A10	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	N/A	
LJ 6A10P1	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	1 3/4" (44mm)	
LJ 6B10	2 3/4" (69mm)	2" (51mm)	2 3/4" (60mm)	N/A	
LJ 6B10P1	2 3/4" (69mm)	2" (51mm)	2 3/4" (60mm)	1 3/4" (44mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ 6006	1" (25mm)	3 1/2" (79mm)	1 3/4" (44mm)		
LJ 6007	3/4" (8mm)	1 3/4" (44mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2905-34	6 1/2" (165mm)	21 1/4" (535mm)	6 1/4" (164mm)	1 3/4" (44mm)	34" (864mm)
2905-38	6 1/2" (165mm)	21 1/4" (535mm)	10 1/4" (265mm)	1 3/4" (44mm)	38" (965mm)
2905-42	6 1/2" (165mm)	21 1/4" (535mm)	14 1/4" (367mm)	1 3/4" (44mm)	42" (1067mm)
2915-34	N/A	27 3/4" (700mm)	6 1/4" (164mm)	1 3/4" (44mm)	34" (864mm)
2915-38	N/A	27 3/4" (700mm)	10 1/4" (265mm)	1 3/4" (44mm)	38" (965mm)
2915-42	N/A	27 3/4" (700mm)	14 1/4" (367mm)	1 3/4" (44mm)	42" (1067mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
3910	23 3/4" (596mm)	18 1/4" (461mm)	3 1/4" (83mm)	43" (1092mm)	
3914	23 3/4" (596mm)	25 1/4" (641mm)	3 1/4" (83mm)	50" (1270mm)	
Intermediate Landing Newel					
3915	23 3/4" (596mm)	33 1/4" (848mm)	3 1/4" (83mm)	58" (1473mm)	
3917	23 3/4" (596mm)	40 1/4" (1010mm)	3 1/4" (83mm)	65" (1651mm)	
3918	23 3/4" (596mm)	48 1/4" (1230mm)	3 1/4" (83mm)	73" (1854mm)	

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





## Newel Posts



LJB-3910  
LJB-3914  
LJB-3915  
LJB-3917  
LJB-3918  
Beaded



LJF-3910  
LJF-3914  
LJF-3915  
LJF-3917  
LJF-3918  
Fluted



LJP-3910  
LJP-3914  
LJP-3915  
LJP-3917  
LJP-3918

### Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 68

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

## 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-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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6109	2 1/4" (63mm)	1 7/8" (48mm)	2 3/4" (60mm)	N/A
LJ 6109P1	2 1/4" (63mm)	1 7/8" (48mm)	2 3/4" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/4" (60mm)	2 3/4" (67mm)	2" (51mm)	N/A
LJ 6210P	2 3/4" (60mm)	2 3/4" (67mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 3/4" (67mm)	2 3/4" (67mm)	N/A
LJ 6519P	3" (76mm)	2 3/4" (67mm)	2 3/4" (67mm)	1 3/4" (44mm)
LJ 6701	2 1/4" (64mm)	2 3/4" (70mm)	1 3/4" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	N/A
LJ 6A10P1	2 3/4" (60mm)	2" (51mm)	2 1/4" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/4" (69mm)	2" (51mm)	2 3/4" (60mm)	N/A
LJ 6B10P1	2 3/4" (69mm)	2" (51mm)	2 3/4" (60mm)	1 3/4" (44mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ 6006	1" (25mm)	3 1/4" (79mm)	1 3/4" (44mm)
LJ 6007	3/4" (6mm)	1 3/4" (44mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2105-34	6 1/2" (165mm)	19 1/2" (496mm)	8 3/4" (213mm)	1 3/4" (44mm)	34" (864mm)
2105-38	6 1/2" (165mm)	19 1/2" (496mm)	12 3/4" (314mm)	1 3/4" (44mm)	38" (965mm)
2105-42	6 1/2" (165mm)	19 1/2" (496mm)	16 3/4" (416mm)	1 3/4" (44mm)	42" (1067mm)
2111-34	N/A	25 3/4" (651mm)	8 3/4" (213mm)	1 3/4" (44mm)	34" (864mm)
2111-38	N/A	25 3/4" (651mm)	12 3/4" (314mm)	1 3/4" (44mm)	38" (965mm)
2111-42	N/A	25 3/4" (651mm)	16 3/4" (416mm)	1 3/4" (44mm)	42" (1067mm)
2115-34	N/A	25 7/16" (642mm)	8 7/16" (214mm)	1 3/4" (44mm)	34" (864mm)
2115-38	N/A	25 7/16" (642mm)	12 7/16" (316mm)	1 3/4" (44mm)	38" (965mm)
2115-42	N/A	25 7/16" (642mm)	16 7/16" (418mm)	1 3/4" (44mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
3310	22 1/8" (561mm)	19 1/4" (493mm)	3 1/2" (89mm)	43" (1092mm)
3314	22 1/4" (568mm)	26 1/4" (664mm)	3 1/2" (89mm)	50" (1270mm)
Intermediate Landing Newels				
3315	22 1/8" (561mm)	34 1/8" (867mm)	3 1/2" (89mm)	58" (1473mm)
3317	22 1/8" (561mm)	41 1/8" (1051mm)	3 1/2" (89mm)	65" (1651mm)
3318	22 1/8" (561mm)	49 1/8" (1248mm)	3 1/2" (89mm)	73" (1854mm)

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





**Newel Posts**



LJF-3310  
LJF-3314  
LJF-3315  
LJF-3317  
LJF-3318  
Fluted



LJP-3310  
LJP-3314  
LJP-3315  
LJP-3317  
LJP-3318

**Newel Drop**



LJ-4299A

Consider iron newels for your stairway from our Iron Collection on page 68

Iron Newels

Over the Post



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

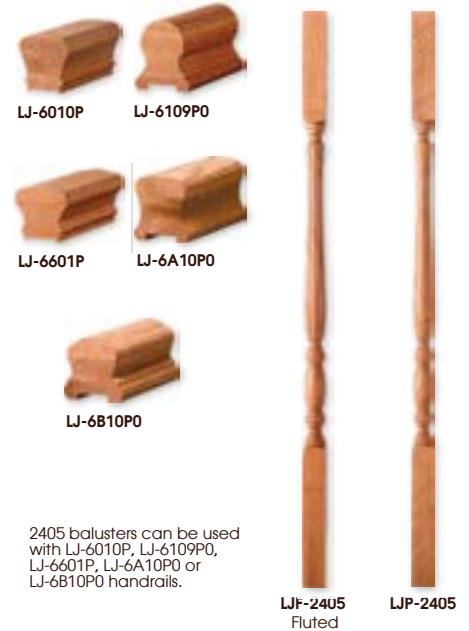
# LaSalle Collection

## Non-Plowed Handrails and Pin Top Balusters



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



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

## Shoerail & Fillet



Over the Post

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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ 6010	2 3/8" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A	
LJ 6010P	2 3/8" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)	
LJ 6109	2 7/8" (73mm)	1 1/4" (48mm)	2 3/8" (60mm)	N/A	
LJ 6109P0	2 7/8" (73mm)	1 1/4" (48mm)	2 3/8" (60mm)	1 1/4" (32mm)	
LJ 6601	2 1/4" (61mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A	
LJ 6601P	2 1/4" (61mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)	
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A	
LJ 6A10P0	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 1/4" (32mm)	
LJ 6B10	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	N/A	
LJ 6B10P0	2 3/8" (60mm)	2" (51mm)	2 3/8" (60mm)	1 1/4" (32mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ 6045	3/4" (19mm)	2 1/2" (64mm)	1 1/4" (32mm)		
LJ 6050	3/8" (10mm)	1 1/4" (32mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2011-34	N/A	25 9/16" (642mm)	8 7/16" (214mm)	1 1/4" (32mm)	34" (864mm)
2011-38	N/A	25 9/16" (642mm)	12 7/16" (316mm)	1 1/4" (32mm)	38" (965mm)
2011-42	N/A	25 9/16" (642mm)	16 7/16" (418mm)	1 1/4" (32mm)	42" (1067mm)
2405-34	6 1/2" (165mm)	19 1/8" (486mm)	8 3/4" (213mm)	1 1/4" (32mm)	34" (864mm)
2405-38	6 1/2" (165mm)	19 1/8" (486mm)	12 3/4" (314mm)	1 1/4" (32mm)	38" (965mm)
2405-42	6 1/2" (165mm)	19 1/8" (486mm)	16 3/4" (416mm)	1 1/4" (32mm)	42" (1067mm)
2415-34	N/A	25 9/16" (642mm)	8 7/16" (214mm)	1 1/4" (32mm)	34" (864mm)
2415-38	N/A	25 9/16" (642mm)	12 7/16" (316mm)	1 1/4" (32mm)	38" (965mm)
2415-42	N/A	25 9/16" (642mm)	16 7/16" (418mm)	1 1/4" (32mm)	42" (1067mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
<b>Utility Newels</b>					
3210	22 7/8" (581mm)	19 1/8" (486mm)	3" (76mm)	43" (1092mm)	
3214	22 7/8" (581mm)	26 1/4" (664mm)	3" (76mm)	50" (1270mm)	
<b>Intermediate Landing Newels</b>					
3215	22 7/8" (581mm)	34 1/8" (867mm)	3" (76mm)	58" (1473mm)	
3217	22 7/8" (581mm)	41 1/8" (1046mm)	3" (76mm)	65" (1651mm)	
3218	22 7/8" (581mm)	49 1/8" (1248mm)	3" (76mm)	73" (1854mm)	

\* Length is from the top of the bottom block to the top of the balus ar





## Newel Posts



LJF-3210  
LJF-3214  
LJF-3215  
LJF-3217  
LJF-3218  
Fluted



LJP-3210  
LJP-3214  
LJP-3215  
LJP-3217  
LJP-3218

## Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 68

Iron Newels

Over the Post

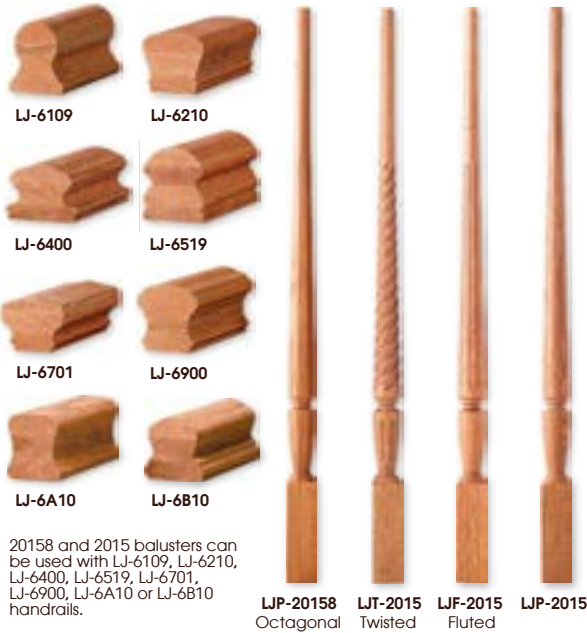


**Pictured Above:** LJ-6A10 Handrail, LJP-3210 Newel Series LJP-2415 Balusters, LJ-7A31 Left Hand Climbing Volute and LJ-7A36 Right Hand Climbing Volute.

**Pictured Left:** LJ-6B10 Handrail, LJF-3210 Newel Series LJF-2415 Balusters and LJ-7B30 Left Hand Volute.

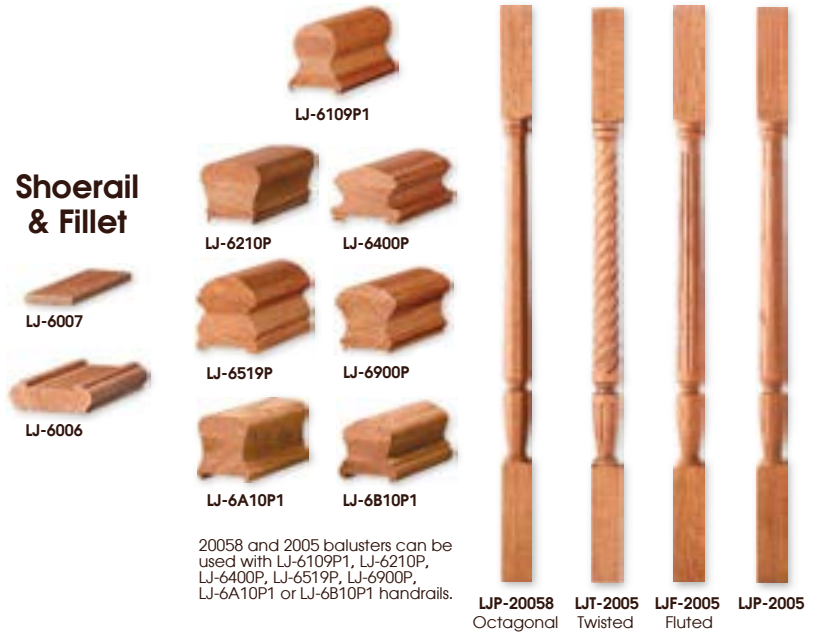
# Regent Collection

## 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



Over the Post

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 85 (sold separately).

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6109	2 1/4" (73mm)	1 7/8" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P1	2 1/4" (73mm)	1 7/8" (48mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/4" (60mm)	2 3/8" (67mm)	2" (51mm)	N/A
LJ 6210P	2 3/4" (60mm)	2 3/8" (67mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (57mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 5/8" (67mm)	2 5/8" (67mm)	N/A
LJ 6519P	3" (76mm)	2 5/8" (67mm)	2 5/8" (67mm)	1 3/4" (44mm)
LJ 6701	2 1/4" (54mm)	2 3/4" (70mm)	1 9/8" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 5/8" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 5/8" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A
LJ 6A10P1	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P1	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	1 3/4" (44mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ 6006	1" (25mm)	3 1/8" (79mm)	1 3/4" (44mm)
LJ 6007	7/8" (21mm)	1 3/4" (44mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2005(8)-34	7" (178mm)	20" (508mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
2005(8)-38	7" (178mm)	20" (508mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
2005(8)-42	7" (178mm)	20" (508mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
2015(8)-34	N/A	28** (711mm)	6" (152mm)	1 3/4" (44mm)	34" (864mm)
2015(8)-38	N/A	28** (711mm)	10" (254mm)	1 3/4" (44mm)	38" (965mm)
2015(8)-42	N/A	28** (711mm)	14" (356mm)	1 3/4" (44mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
3010(8)	27" (686mm)	15" (381mm)	3 1/2" (89mm)	43" (1092mm)
3014(8)	27" (686mm)	22" (559mm)	3 1/2" (89mm)	50" (1270mm)

Utility Newels	Turning Length	Bottom Block	Square Size	Overall Length
3015(8)	27" (686mm)	30" (762mm)	3 1/2" (89mm)	58" (1473mm)
3017(8)	27" (686mm)	37" (940mm)	3 1/2" (89mm)	65" (1651mm)
3018(8)	27" (686mm)	45" (1143mm)	3 1/2" (89mm)	73" (1854mm)

\* Length is from the top of the bottom block to the top of the balust or





## Newel Posts



LJP-30108  
LJP-30148  
LJP-30158  
LJP-30178  
LJP-30188  
Octagonal



LJT-3010  
LJT-3014  
LJT-3015  
LJT-3017  
LJT-3018  
Twisted



LJF-3010  
LJF-3014  
LJF-3015  
LJF-3017  
LJF-3018  
Fluted



LJP-3010  
LJP-3014  
LJP-3015  
LJP-3017  
LJP-3018

### Newel Drop



LJ-4299A

Consider iron newels for your stairway from our Iron Collection on page 68

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

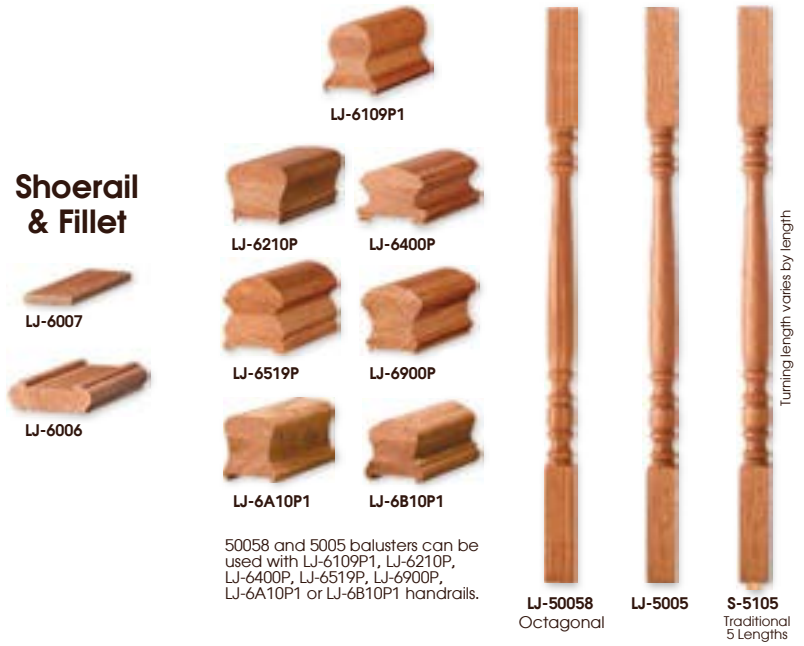


53008 and 5300 balusters can be used with LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6701, LJ-6900, LJ-6A10 or LJ-6B10 handrails.

Turning length varies by length

LJ-53008 Octagonal  
LJ-5300  
S-5300 Traditional 5 Lengths

## Plowed Handrails and Square Top Balusters



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

Turning length varies by length

LJ-6109P1  
LJ-6210P LJ-6400P  
LJ-6519P LJ-6900P  
LJ-6A10P1 LJ-6B10P1  
LJ-50058 Octagonal  
LJ-5005  
S-5105 Traditional 5 Lengths

## 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 85 (sold separately). "S-" series balusters have a turned bottom pin.

### Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ 6109	2 1/4" (63mm)	1 1/4" (48mm)	2 3/8" (60mm)	N/A
LJ 6109P1	2 1/4" (63mm)	1 1/4" (48mm)	2 3/8" (60mm)	1 3/4" (44mm)
LJ 6210	2 3/8" (60mm)	2 3/8" (67mm)	2" (51mm)	N/A
LJ 6210P	2 3/8" (60mm)	2 3/8" (67mm)	2" (51mm)	1 3/4" (44mm)
LJ 6400	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	N/A
LJ 6400P	2 1/4" (67mm)	2 3/4" (70mm)	3" (76mm)	1 3/4" (44mm)
LJ 6519	3" (76mm)	2 3/4" (67mm)	2 3/8" (67mm)	N/A
LJ 6519P	3" (76mm)	2 3/4" (67mm)	2 3/8" (67mm)	1 3/4" (44mm)
LJ 6701	2 1/4" (64mm)	2 3/4" (70mm)	1 3/4" (41mm)	N/A
LJ 6900	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	N/A
LJ 6900P	2 3/4" (70mm)	2 3/4" (67mm)	1 13/16" (49mm)	1 3/4" (44mm)
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	N/A
LJ 6A10P1	2 3/8" (60mm)	2" (51mm)	2 1/8" (54mm)	1 3/4" (44mm)
LJ 6B10	2 3/8" (69mm)	2" (51mm)	2 3/8" (60mm)	N/A
LJ 6B10P1	2 3/8" (69mm)	2" (51mm)	2 3/8" (60mm)	1 3/4" (44mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5005ND-31†	5 7/8" (149mm)	16 5/8" (422mm)	8 1/2" (216mm)	1 3/4" (44mm)	31" (897mm)
LJ 5005(8)-34	7" (178mm)	20" (508mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
LJ 5005(8)-38	7" (178mm)	20" (508mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
LJ 5005(8)-42	7" (178mm)	20" (508mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
S-5105-31	5 7/8" (149mm)	16 5/8" (422mm)	7 3/4" (197mm)	1 3/4" (44mm)	31" (897mm)
S-5105-34	5 7/8" (149mm)	19 5/8" (498mm)	7 3/4" (197mm)	1 3/4" (44mm)	34" (864mm)
S-5105-36	5 7/8" (149mm)	21 1/8" (549mm)	7 3/4" (197mm)	1 3/4" (44mm)	36" (914mm)
S-5105-39	5 7/8" (149mm)	24 3/8" (625mm)	7 3/4" (197mm)	1 3/4" (44mm)	39" (991mm)
S-5105-42	8 1/8" (206mm)	25 3/8" (645mm)	7 3/4" (197mm)	1 3/4" (44mm)	42" (1067mm)
LJ 5300(8)-34	N/A	27" (686mm)	7" (178mm)	1 3/4" (44mm)	34" (864mm)
LJ 5300(8)-38	N/A	27" (686mm)	11" (279mm)	1 3/4" (44mm)	38" (965mm)
LJ 5300(8)-42	N/A	27" (686mm)	15" (381mm)	1 3/4" (44mm)	42" (1067mm)
S-5300-31	N/A	22 1/2" (572mm)	7 3/4" (197mm)	1 3/4" (44mm)	31" (897mm)
S-5300-34	N/A	25 1/2" (648mm)	7 3/4" (197mm)	1 3/4" (44mm)	34" (864mm)
S-5300-36	N/A	27 1/2" (698mm)	7 3/4" (197mm)	1 3/4" (44mm)	36" (914mm)
S-5300-39	N/A	30 1/2" (775mm)	7 3/4" (197mm)	1 3/4" (44mm)	39" (991mm)
S-5300-42	N/A	33 1/2" (851mm)	7 3/4" (197mm)	1 3/4" (44mm)	42" (1067mm)

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

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

### Product Dimensions

Newsel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
<b>Utility Newsels</b>				
LJ 4270(8)	27" (686mm)	15" (381mm)	3 1/4" (83mm)	43" (1092mm)
LJ 4274(8)	27" (686mm)	22" (559mm)	3 1/4" (83mm)	50" (1270mm)
<b>Intermediate Landing Newsels</b>				
LJ 4275(8)	27" (686mm)	30" (762mm)	3 1/4" (83mm)	58" (1473mm)
LJ 4277(8)	27" (686mm)	37" (940mm)	3 1/4" (83mm)	65" (1651mm)
LJ 4278(8)	27" (686mm)	45" (1143mm)	3 1/4" (83mm)	73" (1854mm)
<b>Rake Newsel</b>				
LJ 3513PT	27 1/8" (706mm)	20 3/8" (513mm)	3" (76mm)	48" (1219mm)





## Newel Posts



LJ-42708  
LJ-42748  
LJ-42758  
LJ-42778  
LJ-42788  
Octagonal



LJ-4270  
LJ-4274  
LJ-4275  
LJ-4277  
LJ-4278



LJ-3513PT

### Newel Drop



LJ-4099A

Consider iron newels for your stairway from our Iron Collection on page 68

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.

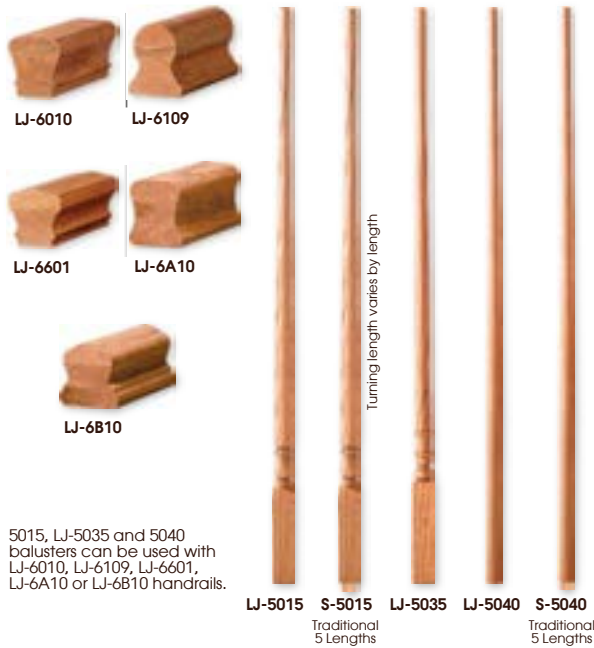
**Pictured Right:** LJ-6400 Handrail, LJ-42708 Newel Series, LJ-53008 Balusters LJ-7430 Left Hand Volute and LJ-7435 Right Hand Volute.



# Cornerstone Collection

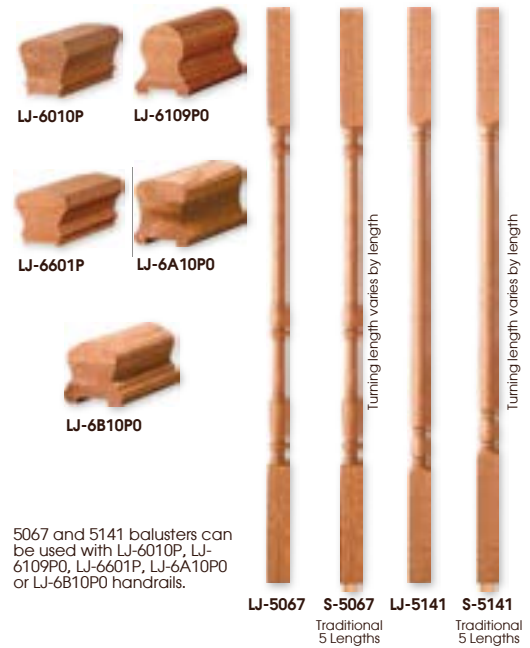
## Non-Plowed Handrails and Pin Top Balusters

## Plowed Handrails and Square Top Balusters



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

## Shoerail & Fillet



5067 and 5141 balusters can be used with LJ-6010P, LJ-6109P0, LJ-6601P, LJ-6A10P0 or LJ-6B10P0 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 85 (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" (60mm)	2 1/4" (61mm)	1 1/2" (38mm)	N/A
LJ 6010P	2 1/4" (60mm)	2 1/4" (61mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6109	2 1/4" (60mm)	1 7/8" (48mm)	2 3/4" (69mm)	N/A
LJ 6109P0	2 1/8" (73mm)	1 7/8" (48mm)	2 3/4" (69mm)	1 1/4" (32mm)
LJ 6601	2 1/4" (60mm)	2 1/4" (61mm)	1 1/2" (38mm)	N/A
LJ 6601P	2 1/4" (60mm)	2 1/4" (61mm)	1 1/2" (38mm)	1 1/4" (32mm)
LJ 6A10	2 1/4" (60mm)	2" (51mm)	2 1/4" (61mm)	N/A
LJ 6A10P0	2 1/4" (60mm)	2" (51mm)	2 1/4" (61mm)	1 1/4" (32mm)
LJ 6B10	2 1/4" (60mm)	2" (51mm)	2 3/4" (69mm)	N/A
LJ 6B10P0	2 1/4" (60mm)	2" (51mm)	2 3/4" (69mm)	1 1/4" (32mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ 6045	3/4" (19mm)	2 1/2" (64mm)	1 1/4" (32mm)
LJ 6050	7/8" (20mm)	1 1/4" (32mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5015ND-31‡	N/A	22 3/4" (575mm)	8 3/8" (213mm)	1 1/4" (32mm)	31" (787mm)
LJ 5015-34	N/A	28" (711mm)	6" (152mm)	1 1/4" (32mm)	34" (864mm)
LJ 5015-38	N/A	28" (711mm)	10" (254mm)	1 1/4" (32mm)	38" (965mm)
LJ 5015-42	N/A	28" (711mm)	14" (356mm)	1 1/4" (32mm)	42" (1067mm)
S-5015-31	N/A	22 3/8" (575mm)	7 7/8" (199mm)	1 1/4" (32mm)	31" (787mm)
S-5015-34	N/A	25 3/8" (651mm)	7 7/8" (199mm)	1 1/4" (32mm)	34" (864mm)
S-5015-36	N/A	27 3/8" (702mm)	7 7/8" (199mm)	1 1/4" (32mm)	36" (914mm)
S-5015-39	N/A	30 3/8" (778mm)	7 7/8" (199mm)	1 1/4" (32mm)	39" (990mm)
S-5015-42	N/A	33 3/8" (854mm)	7 7/8" (199mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5035-34	N/A	28" (711mm)	6" (152mm)	1 1/4" (32mm)	34" (864mm)
LJ 5035-38	N/A	28" (711mm)	10" (254mm)	1 1/4" (32mm)	38" (965mm)
LJ 5035-42	N/A	28" (711mm)	14" (356mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5040-34	N/A	34" (864mm)	N/A	1 1/8" Diam. (29mm)	34" (864mm)
LJ 5040-38	N/A	38" (965mm)	N/A	1 1/8" Diam. (29mm)	38" (965mm)
LJ 5040-42	N/A	42" (1067mm)	N/A	1 1/8" Diam. (29mm)	42" (1067mm)
S-5040-31	N/A	30 3/4" (766mm)	N/A	1 1/8" Diam. (29mm)	31" (787mm)
S-5040-34	N/A	33 1/4" (845mm)	N/A	1 1/8" Diam. (29mm)	34" (864mm)
S-5040-36	N/A	35 1/4" (895mm)	N/A	1 1/8" Diam. (29mm)	36" (914mm)
S-5040-39	N/A	38 1/4" (972mm)	N/A	1 1/8" Diam. (29mm)	39" (990mm)
S-5040-42	N/A	41 1/4" (1048mm)	N/A	1 1/8" Diam. (29mm)	42" (1067mm)
LJ 5067-34	7" (178mm)	20" (508mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5067-38	7" (178mm)	20" (508mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5067-42	7" (178mm)	20" (508mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
S-5067-31	5 1/4" (133mm)	19 1/4" (486mm)	5 7/8" (149mm)	1 1/4" (32mm)	31" (787mm)
S-5067-34	5 1/8" (149mm)	21 1/2" (546mm)	5 7/8" (149mm)	1 1/4" (32mm)	34" (864mm)
S-5067-36	5 5/8" (136mm)	24" (603mm)	5 7/8" (149mm)	1 1/4" (32mm)	36" (914mm)
S-5067-39	5 1/4" (133mm)	27 1/8" (699mm)	5 7/8" (149mm)	1 1/4" (32mm)	39" (990mm)
S-5067-42	7 3/4" (194mm)	27 3/4" (705mm)	5 7/8" (149mm)	1 1/4" (32mm)	42" (1067mm)

\* Length is from the top of the bottom block to the top of the balus or ‡ This balus er is for k eewall s airway 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" (133mm)	16 3/4" (425mm)	9" (229mm)	1 1/4" (32mm)	31" (787mm)
LJ 5141-34	7" (178mm)	20" (508mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5141-38	7" (178mm)	20" (508mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5141-42	7" (178mm)	20" (508mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
S-5141-31	5 1/4" (133mm)	16 3/4" (425mm)	8 1/4" (210mm)	1 1/4" (32mm)	31" (787mm)
S-5141-34	6 1/4" (159mm)	18 3/4" (476mm)	8 1/4" (210mm)	1 1/4" (32mm)	34" (864mm)
S-5141-36	6 1/4" (159mm)	20 3/4" (527mm)	8 1/4" (210mm)	1 1/4" (32mm)	36" (914mm)
S-5141-39	6 1/4" (159mm)	23 3/4" (603mm)	8 1/4" (210mm)	1 1/4" (32mm)	39" (990mm)
S-5141-42	6 1/4" (159mm)	26 3/4" (679mm)	8 1/4" (210mm)	1 1/4" (32mm)	42" (1067mm)

\* Length is from the top of the bottom block to the top of the balus or ‡ This balus er is for k eewall s airway only. It is NOT predrilled and does NOT include the Pin E-Z.

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
<b>Starting Newels</b>				
LJ 4050	27" (686mm)	15" (381mm) turned bottom	2 1/4" (61mm)	43" (1092mm)
LJ 4060	27" (686mm)	15" (381mm) turned bottom	2 3/4" (70mm)	43" (1092mm)
<b>Utility Newels</b>				
LJ 4010	27" (686mm)	15" (381mm)	3" (76mm)	43" (1092mm)
LJ 4014	27" (686mm)	22" (559mm)	3" (76mm)	50" (1270mm)
<b>Intermediate Landing Newels</b>				
LJ 4015	27" (686mm)	30" (762mm)	3" (76mm)	58" (1473mm)
LJ 4017	27" (686mm)	37" (940mm)	3" (76mm)	65" (1651mm)
LJ 4018	27" (686mm)	45" (1143mm)	3" (76mm)	73" (1854mm)
<b>Rake Newel</b>				
LJ 4013PT	27" (686mm)	16" (406mm)	3" (76mm)	43" (1092mm)

† Diameter dimension on

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

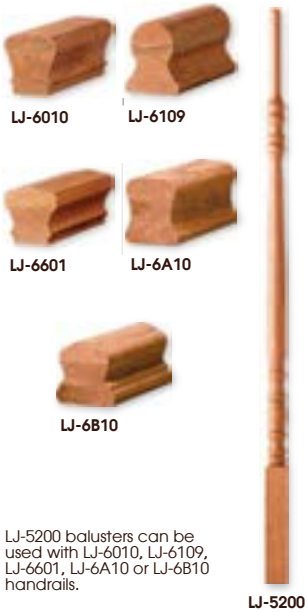
Consider iron newels for your stairway from our Iron Collection on page 68

Iron Newels

**Over the Post**



## 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 68

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 85 (sold separately).

## Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ 6010	2 1/4" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A	
LJ 6010P	2 3/8" (60mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)	
LJ 6109	2 1/4" (73mm)	1 7/8" (48mm)	2 3/8" (60mm)	N/A	
LJ 6109P0	2 1/4" (73mm)	1 7/8" (48mm)	2 3/8" (60mm)	1 1/4" (32mm)	
LJ 6601	2 1/4" (67mm)	2 1/4" (57mm)	1 1/2" (38mm)	N/A	
LJ 6601P	2 1/4" (67mm)	2 1/4" (57mm)	1 1/2" (38mm)	1 1/4" (32mm)	
LJ 6A10	2 3/8" (60mm)	2" (51mm)	2 1/4" (54mm)	N/A	
LJ 6A10P0	2 3/8" (60mm)	2" (51mm)	2 1/4" (54mm)	1 1/4" (32mm)	
LJ 6B10	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	N/A	
LJ 6B10P0	2 3/8" (59mm)	2" (51mm)	2 3/8" (60mm)	1 1/4" (32mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ 6045	3/4" (19mm)	2 1/2" (64mm)	1 1/4" (32mm)		
LJ 6050	3/4" (10mm)	1 1/4" (32mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ 5004ND-31‡	5 1/8" (149mm)	16 3/8" (422mm)	8 1/2" (216mm)	1 1/4" (32mm)	31" (787mm)
LJ 5004-34	7" (178mm)	20" (508mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5004-38	7" (178mm)	20" (508mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5004-42	7" (178mm)	20" (508mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
LJ 5200-34	N/A	27" (686mm)	7" (178mm)	1 1/4" (32mm)	34" (864mm)
LJ 5200-38	N/A	27" (686mm)	11" (279mm)	1 1/4" (32mm)	38" (965mm)
LJ 5200-42	N/A	27" (686mm)	15" (381mm)	1 1/4" (32mm)	42" (1067mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJ 3270	27" (686mm)	15" (381mm)	3" (76mm)	43" (1092mm)	
LJ 3274	27" (686mm)	22" (559mm)	3" (76mm)	50" (1270mm)	
Intermediate Landing Newels					
LJ 3275	27" (686mm)	30" (762mm)	3" (76mm)	58" (1473mm)	
LJ 3277	27" (686mm)	37" (940mm)	3" (76mm)	65" (1651mm)	
LJ 3278	27" (686mm)	45" (1143mm)	3" (76mm)	73" (1854mm)	
Rake Newel					
LJ 3513PT	27 1/2" (706mm)	20 3/4" (513mm)	3" (76mm)	48" (1219mm)	

\* 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-6010 Handrail, LJ-3270 Newel Series, LJ-5200 Balusters, LJ-7035 Right Hand Volute.



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



Solid Round



Hollow Round

## Iron Line Finishes



Satin Black (SB)



Matte Black (MB)



Matte Nickel (MN)



Antique Bronze (ABZ)



Oil Rubbed Bronze (ORB)

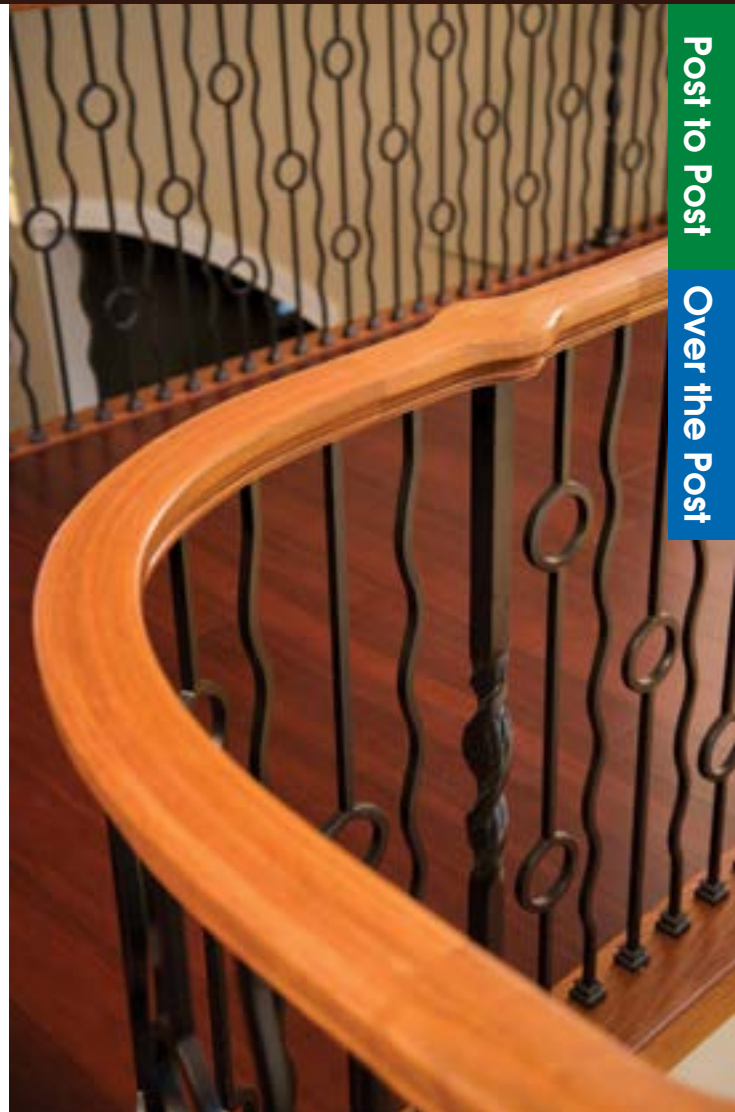


Oil Rubbed Copper (ORC)



Silver Vein (SV)

**NOTE:** Finishes may vary



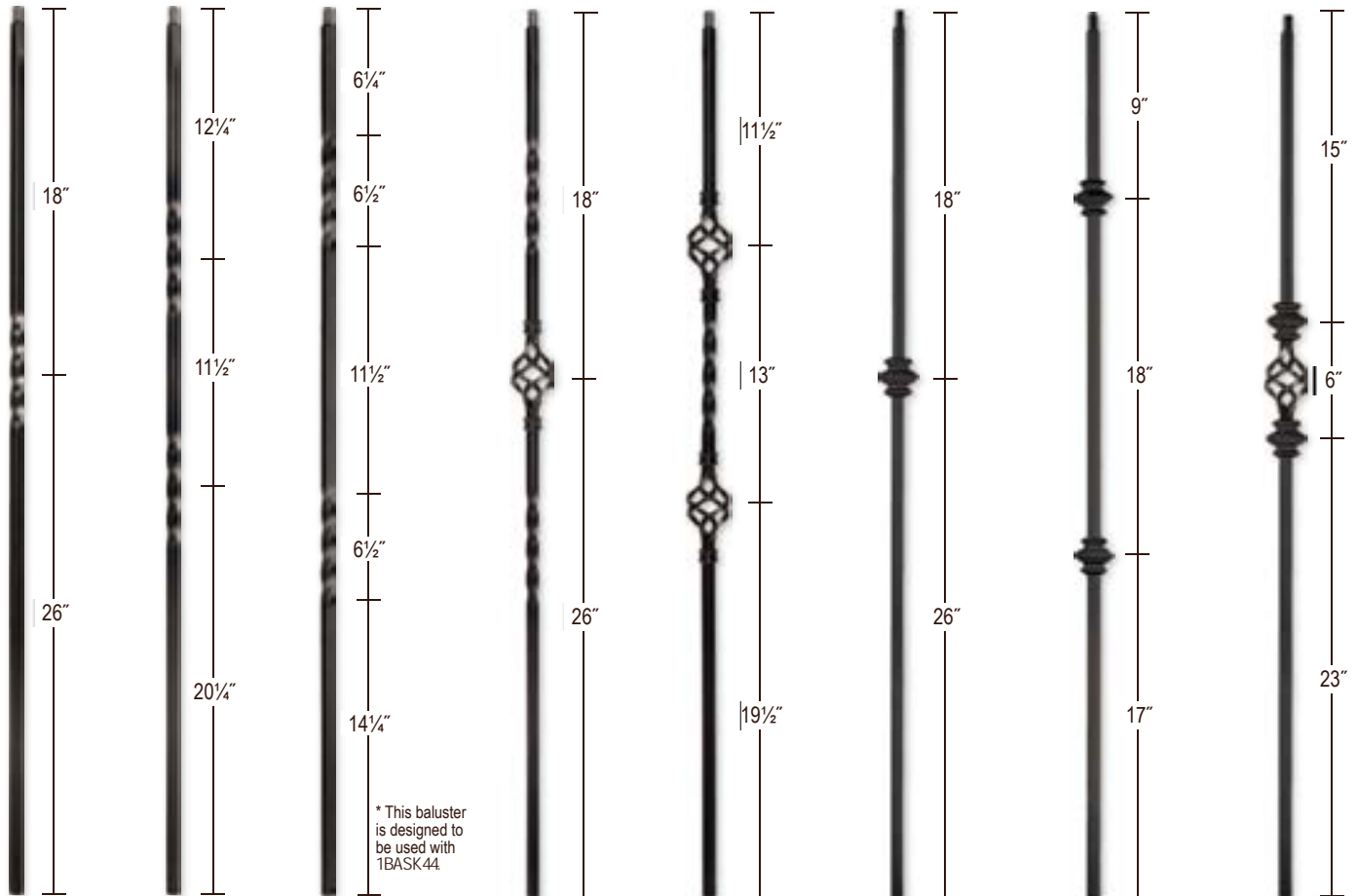
Post to Post

Over the Post



# Horizon Collection - 1/2"

Over the Post Post to Post



\* This baluster is designed to be used with 1BASK44

- LI-1TW44
- LI-2TW44
- LI-DBLTW44\*
- LI-1BASK44
- LI-2BASK44
- LI-1KNUC44
- LI-2KNUC44
- LI-2KNUC1BASK44
- LIH-HOL1TW44
- LIH-HOL2TW44
- LIH-HOLDBLTW44\*
- LIH-HOL1BASK44
- LIH-HOL2BASK44
- LIH-HOL1KNUC44
- LIH-HOL2KNUC44

Item Number	Satin Black (SB)	Matte Black (MB)	Matte Nickel (MN)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
1TW44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2TW44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DBLTW44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1BASK44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2BASK44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1KNUC44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2KNUC44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2KNUC1BASK44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LI-FSH01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-ALFSH01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-M06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>	<input checked="" type="checkbox"/>
LI-PSH02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-ALPSH02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-SCR04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-M020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LI-M022	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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



LI-FSH01  
No Set Screw  
Iron



LI-ALFSH01  
No Set Screw  
Aluminum



LI-M06  
With Set Screw  
Iron



LI-ALM06  
With Set Screw  
Aluminum



LI-PSH02  
With Set Screw  
Iron



LI-ALPSH02  
With Set Screw  
Aluminum



LI-SCR04  
Screw Down  
Iron



Adjustable Knuckles are generally used with PLA44



LI-AK01  
Iron  
LI-ALAK01  
Aluminum



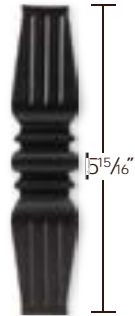
LI-ALAK02  
Aluminum



LI-ALAK03  
Aluminum



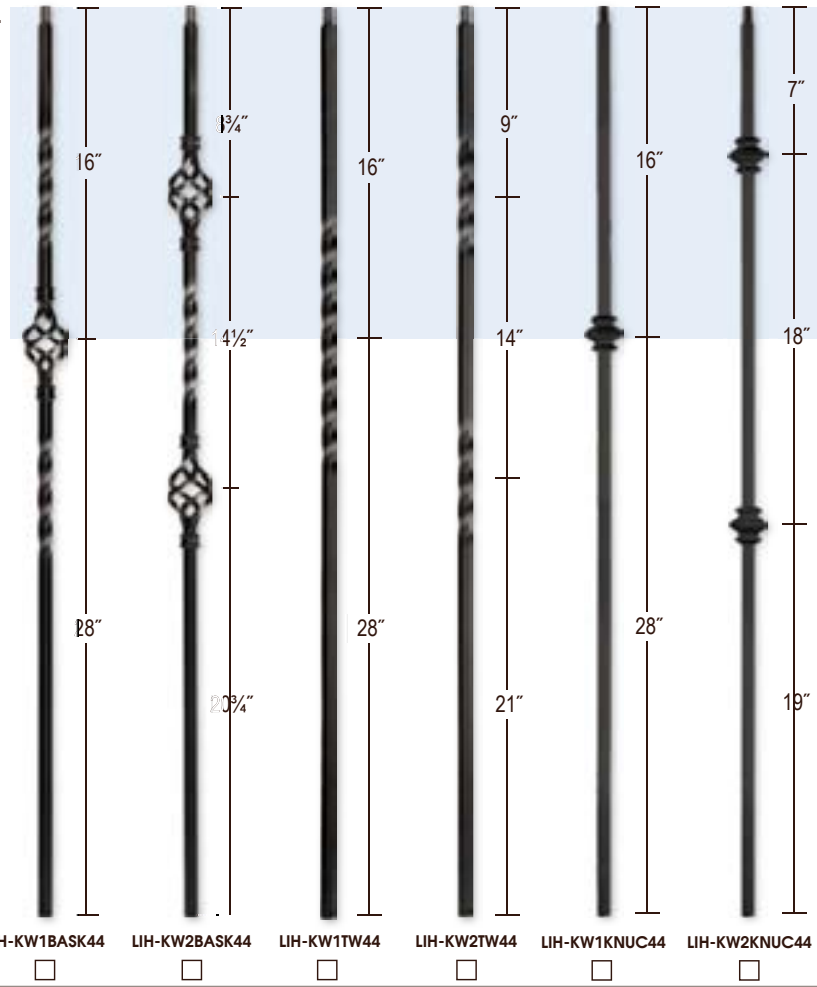
LI-ALAK05  
Aluminum



LI-ALAK04  
Aluminum

### 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-KW1BASK44 LIH-KW2BASK44 LIH-KW1TW44 LIH-KW2TW44 LIH-KW1KNUC44 LIH-KW2KNUC44

■ LI-PLA44  
□ LIH-HOLPLA44

Item Number	Satin Black (SB)	Matte Black (MB)	Matte Nickel (MN)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
PLA44	■ □	■ □	□	■ □	■ □	■ □	■ □
LIH-KW1BASK44	□	□				□	
LIH-KW2BASK44	□	□				□	
LIH-KW1TW44	□	□				□	
LIH-KW2TW44	□	□				□	
LIH-KW1KNUC44	□	□				□	
LIH-KW2KNUC44	□	□				□	
LI-AK01	✓	✓	✓	✓	✓	✓	✓
LI-ALAK01	✓	✓		✓	✓	✓	✓
LI-ALAK02	✓	✓		✓	✓	✓	✓
LI-ALAK03	✓	✓	✓	✓	✓	✓	✓
LI-ALAK04	✓	✓		✓	✓	✓	✓
LI-ALAK05	✓	✓		✓	✓	✓	✓
LI-ALRD201	✓	✓		✓	✓	✓	✓
LI-ALSQ301	✓	✓		✓	✓	✓	✓
LI-PROCOL	✓	✓		✓	✓	✓	
LI-PROLVL	✓						✓
LI-PROKNE	✓						✓



LI-ALSCR05  
Screw Down  
Aluminum



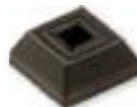
LI-M020  
No Set Screw  
Iron



LI-M022  
No Set Screw  
Iron



LI-ALRD201  
No Set Screw  
Aluminum



LI-ALSQ301  
No Set Screw  
Aluminum



LI-PROCOL  
With Threaded Disc  
Aluminum



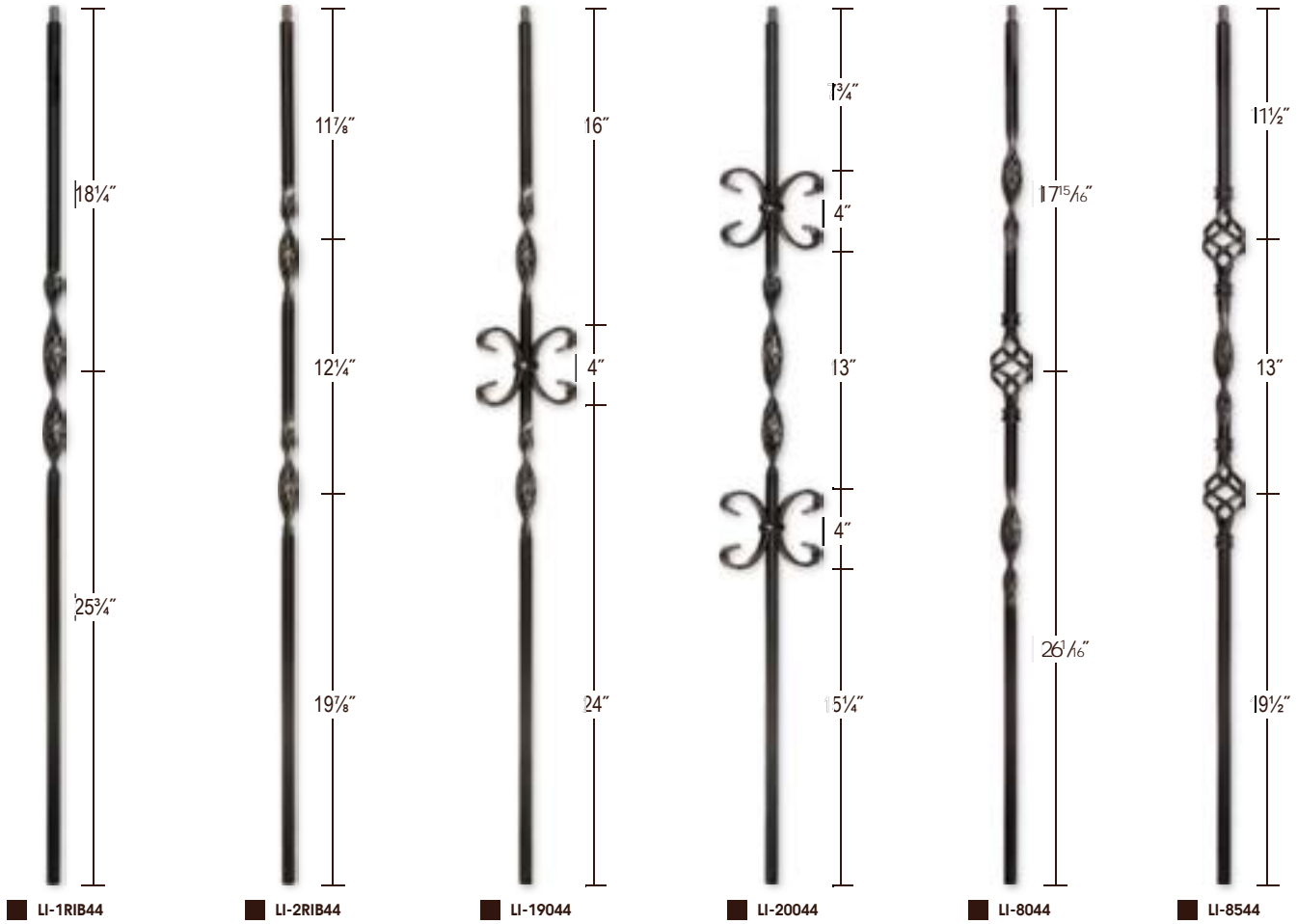
LI-PROLVL  
Alum/Iron



LI-PROKNE  
Alum/Iron

# Ribbon Collection - 1/2"

Over the Post Post to Post



Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-1RIB44	■	■			■	
LI-2RIB44	■	■			■	
LI-19044	■	■			■	
LI-20044	■	■			■	
LI-8044	■	■			■	
LI-8544	■	■			■	
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓

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

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



**LI-FSH01**  
No Set Screw  
Iron



**LI-ALFSH01**  
No Set Screw  
Aluminum



**LI-M06**  
With Set Screw  
Iron



**LI-ALM06**  
With Set Screw  
Aluminum



**LI-PSH02**  
With Set Screw  
Iron



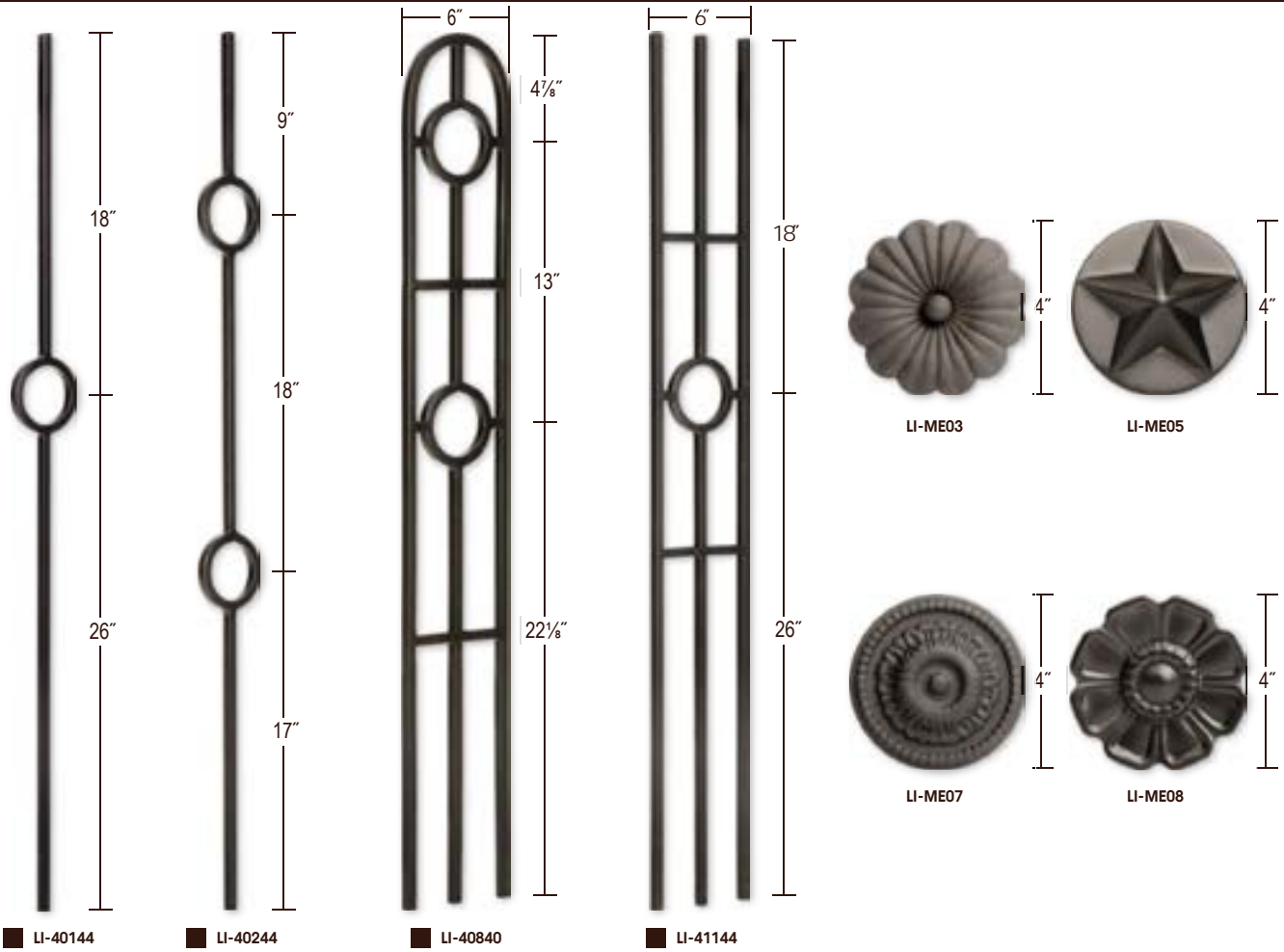
**LI-ALPSH02**  
With Set Screw  
Aluminum



**LI-SCR04**  
Screw Down  
Iron



# Hoop Collection - 1/2"



Post to Post  
Over the Post

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-40144	■					
LI-40244	■					
LI-40840	■					
LI-41144	■					
LI-ME03	✓					
LI-ME05	✓					
LI-ME07	✓					
LI-ME08	✓					
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022	✓	✓				
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓
LI-PROCOL	✓	✓	✓	✓	✓	✓
LI-PROLVL	✓					
LI-PROKNE	✓					

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

All shoes shown below are compatible with the 1/2" SQUARE balusters on these two pages  
 LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" SQUARE iron balusters.

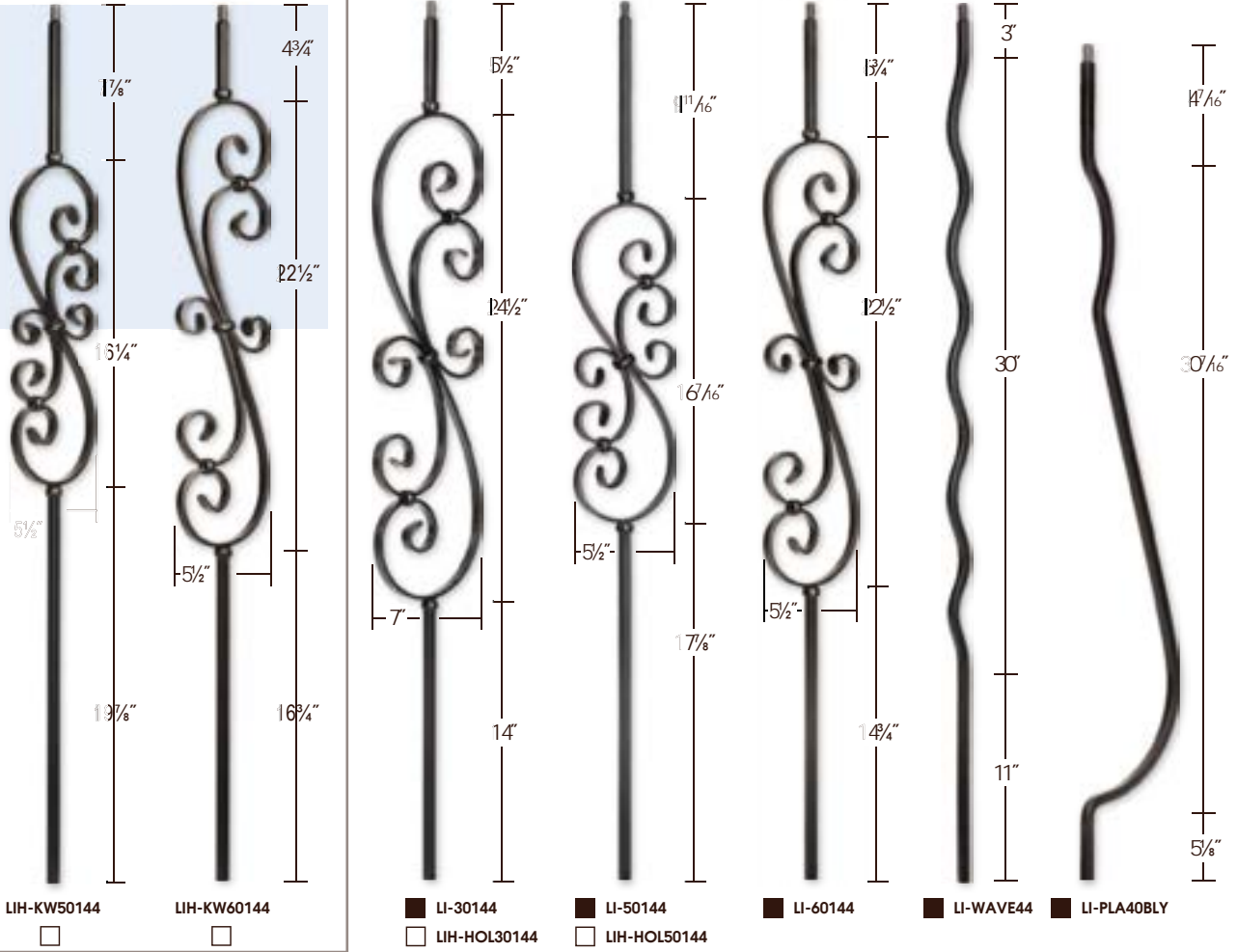


See pages 69-70 for details on IronPro

Over the Post Post to Post

## 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	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-KW50144	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
LIH-KW60144	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
30144	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
50144	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-60144	<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-WAVE44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
LI-PLA40BLY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
LI-FSH01	<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-ALFSH01	<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-M06	<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-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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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-SCR04	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LI-PROLVL	<input checked="" type="checkbox"/>					
LI-PROKNE	<input checked="" type="checkbox"/>					

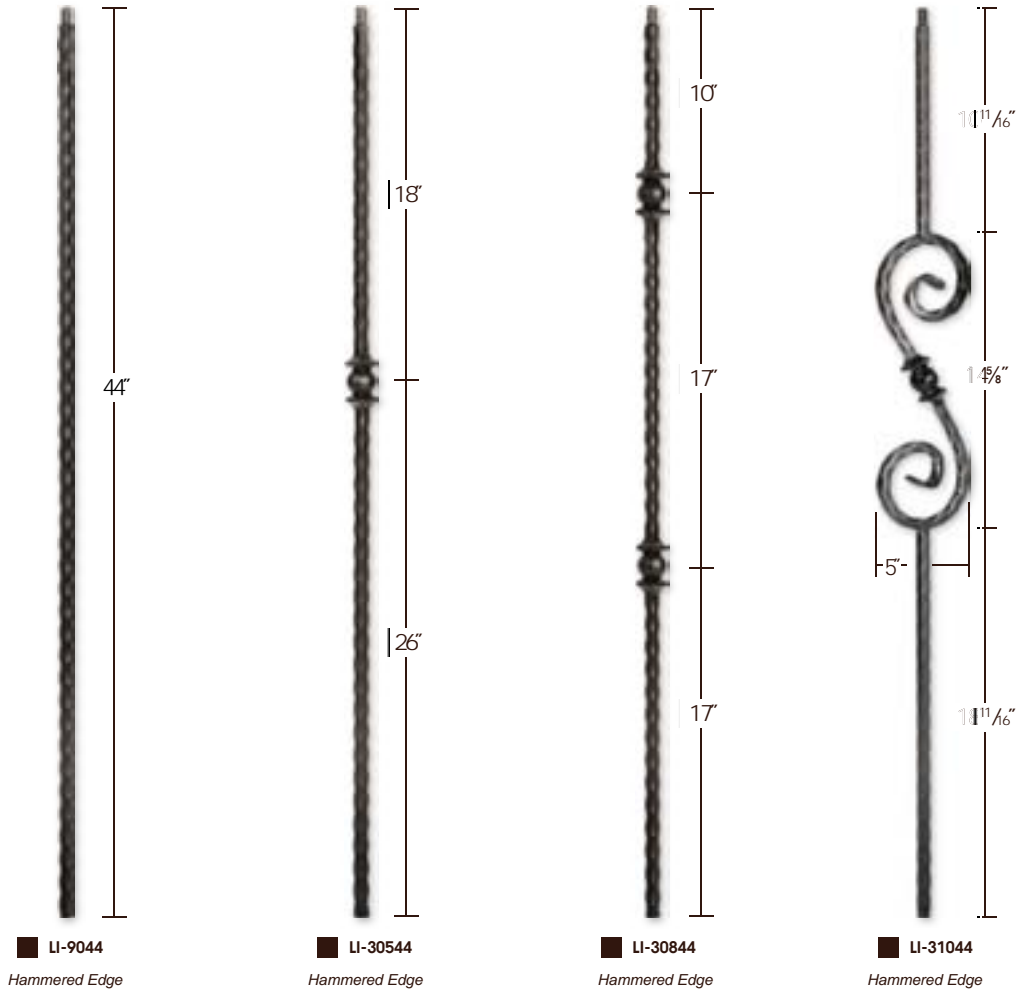
All shoes shown below and the LI-ALRD201 & LI-ALSQ301 on the next page are compatible with the 1/2" SQUARE balusters on this page.



61 No Set Screw Iron    No Set Screw Aluminum    With Set Screw Iron    With Set Screw Aluminum    With Set Screw Iron    With Set Screw Aluminum    Screw Down Iron    Screw Down Aluminum    With Threaded Disc Aluminum    Alum/Iron    Alum/Iron



# Pummel Collection - 9/16"



Post to Post  
Over the Post

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-9044	■	■	■	■	■	■
LI-30544	■	■	■	■	■	■
LI-30844	■	■	■	■	■	■
LI-31044	■	■	■	■	■	■
LI-H03	✓	✓	✓	✓	✓	✓
LI-H04	✓	✓	✓	✓	✓	✓
LI-H05P	✓	✓	✓	✓	✓	✓
LI-ALH05P	✓	✓	✓	✓	✓	✓
LI-H06	✓	✓	✓	✓	✓	✓
LI-ALH06	✓	✓	✓	✓	✓	✓
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓

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

Shoes shown below are compatible with the 9/16" SQUARE balusters shown on this page.  
LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" SQUARE iron balusters.



Over the Post Post to Post



■ LI-9044  
Hammered Edge



■ LI-10044  
Hammered Edge



■ LI-11044  
Hammered Edge



■ LI-13044  
Hammered Edge

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-9044	■	■	■	■	■	■
LI-10044	■	■			■	■
LI-11044	■	■			■	■
LI-13044	■	■				
LI-H03	✓	✓	✓	✓	✓	✓
LI-H04	✓	✓	✓	✓	✓	✓
LI-H05P	✓	✓	✓	✓	✓	✓
LI-ALH05P	✓	✓	✓	✓	✓	✓

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

Shoes shown below are compatible with the 9/16" SQUARE balusters shown on these two pages.



LI-H03  
No Set Screw  
Iron



LI-H04  
Screw Down  
Iron



LI-H05P  
With Set Screw  
Iron



LI-ALH05P  
With Set Screw  
Aluminum

# Honeycomb Collection - 9/16"



**L.J. Smith**  
stair systems



■ LI-9044  
Hammered Edge



■ LI-13144  
Hammered Edge



■ LI-13244  
Hammered Edge



■ LI-33044  
Hammered Edge

Post to Post

Over the Post

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-9044	■	■	■	■	■	■
LI-13144	■	■			■	■
LI-13244	■	■			■	■
LI-33044	■	■			■	■
LI-H06	✓	✓	✓	✓	✓	✓
LI-ALH06	✓	✓	✓	✓	✓	✓
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓

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

Shoes shown below are compatible with the 9/16" SQUARE balusters shown on these two pages.  
LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" SQUARE iron balusters.



LI-H06  
With Set Screw  
Iron



LI-ALH06  
With Set Screw  
Aluminum



LI-ALRD201  
No Set Screw  
Aluminum



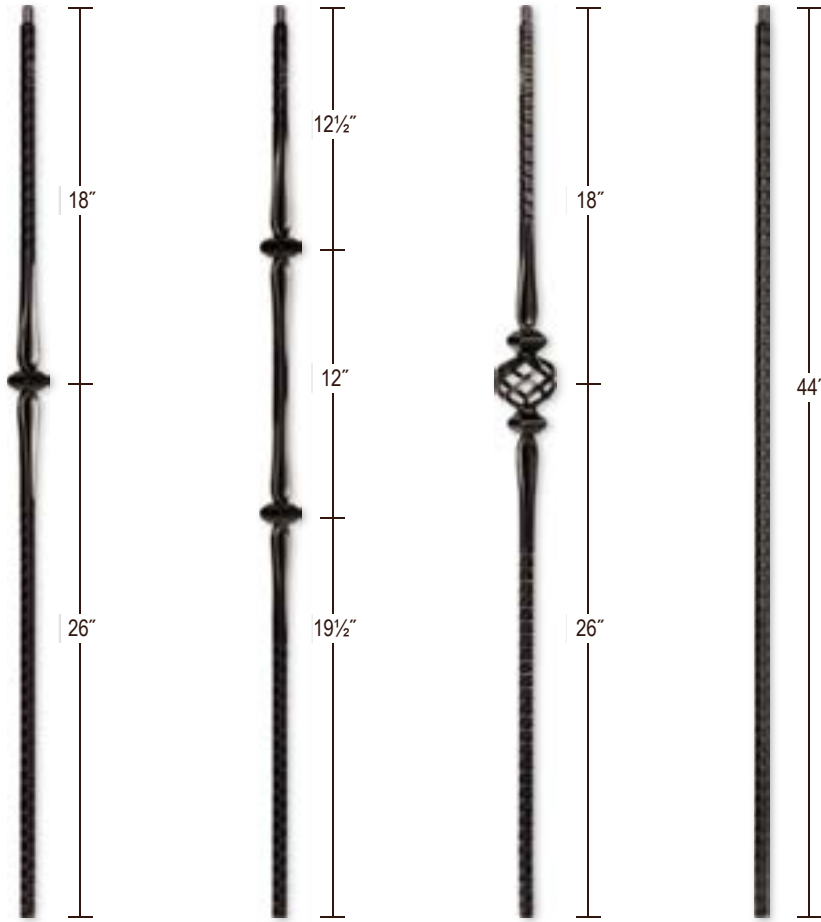
LI-ALSQ301  
No Set Screw  
Aluminum



# Camelot Collection - 9/16"



Over the Post Post to Post



- LI-14044  
 LIH-HOL14044  
*Hammered Face*
- LI-15044  
 LIH-HOL15044  
*Hammered Face*
- LI-16044  
 LIH-HOL16044  
*Hammered Face*
- LI-14344  
 LIH-HOL14344  
*Hammered Face*

**Pictured:** LIH-HOL15044 and LIH-HOL16044 Iron Balusters, LJ-4091 Box Newel, LJ-6010 Handrail.

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
14044	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
15044	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
16044	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
14344	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
LI-H03	<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-H04	<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-H05P	<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-ALH05P	<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-H06	<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-ALH06	<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-ALRD201	<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-ALSQ301	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

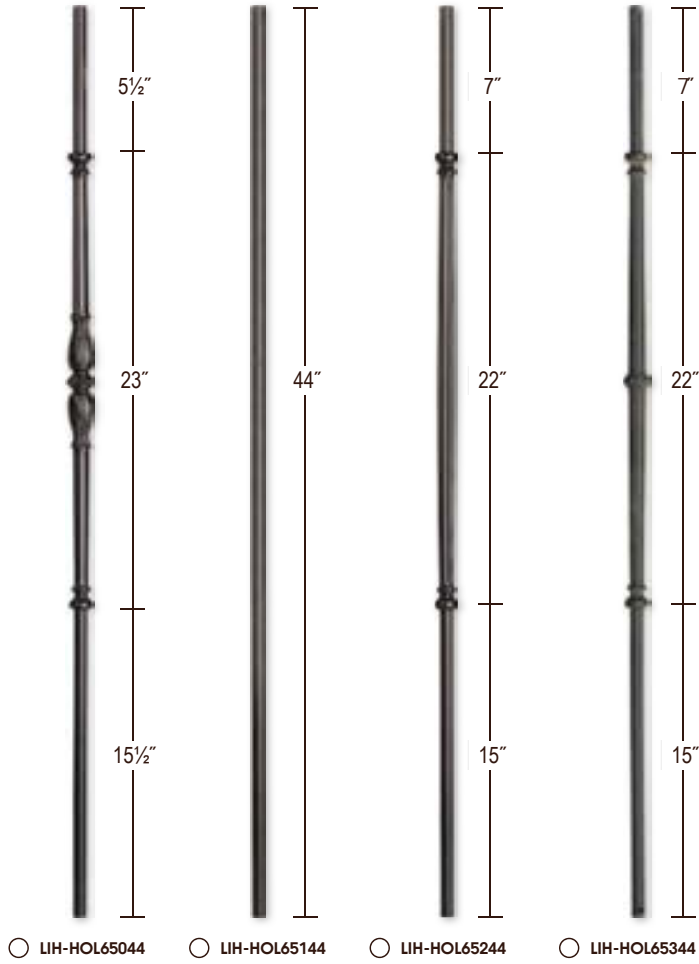
See page 56 for finish samples. NOTE: Finishes may vary.

Shoes shown below are compatible with the 9/16" SQUARE balusters shown on this page. LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" SQUARE iron balusters.

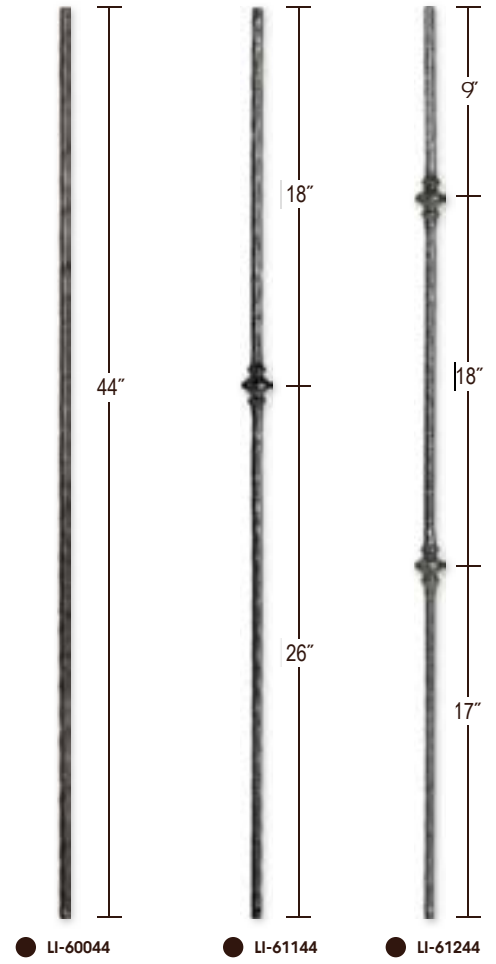


# Espresso - 5/8"

# Orb - 1/2"



○ LIH-HOL65044    ○ LIH-HOL65144    ○ LIH-HOL65244    ○ LIH-HOL65344



● LI-60044    ● LI-61144    ● LI-61244

Post to Post  
Over the Post

Item Number	Satin Black (SB)	Matte Black (MB)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-HOL65044	○	○	○	○
LIH-HOL65144	○	○	○	○
LIH-HOL65244	○	○	○	○
LIH-HOL65344	○	○	○	○
LI-R010	✓	✓	✓	✓

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

Item Number	Satin Black (SB)	Matte Black (MB)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-60044	●	●	●	●
LI-61144	●	●	●	●
LI-61244	●	●	●	●
LI-R08F	✓	✓	✓	✓
LI-R09P	✓	✓	✓	✓

NOTE: Finishes may vary.

Shoe shown below is compatible with the 5/8" ROUND balusters above.



LI-R010  
No Set Screw  
Iron

Shoes shown below are compatible with the 1/2" ROUND balusters above.



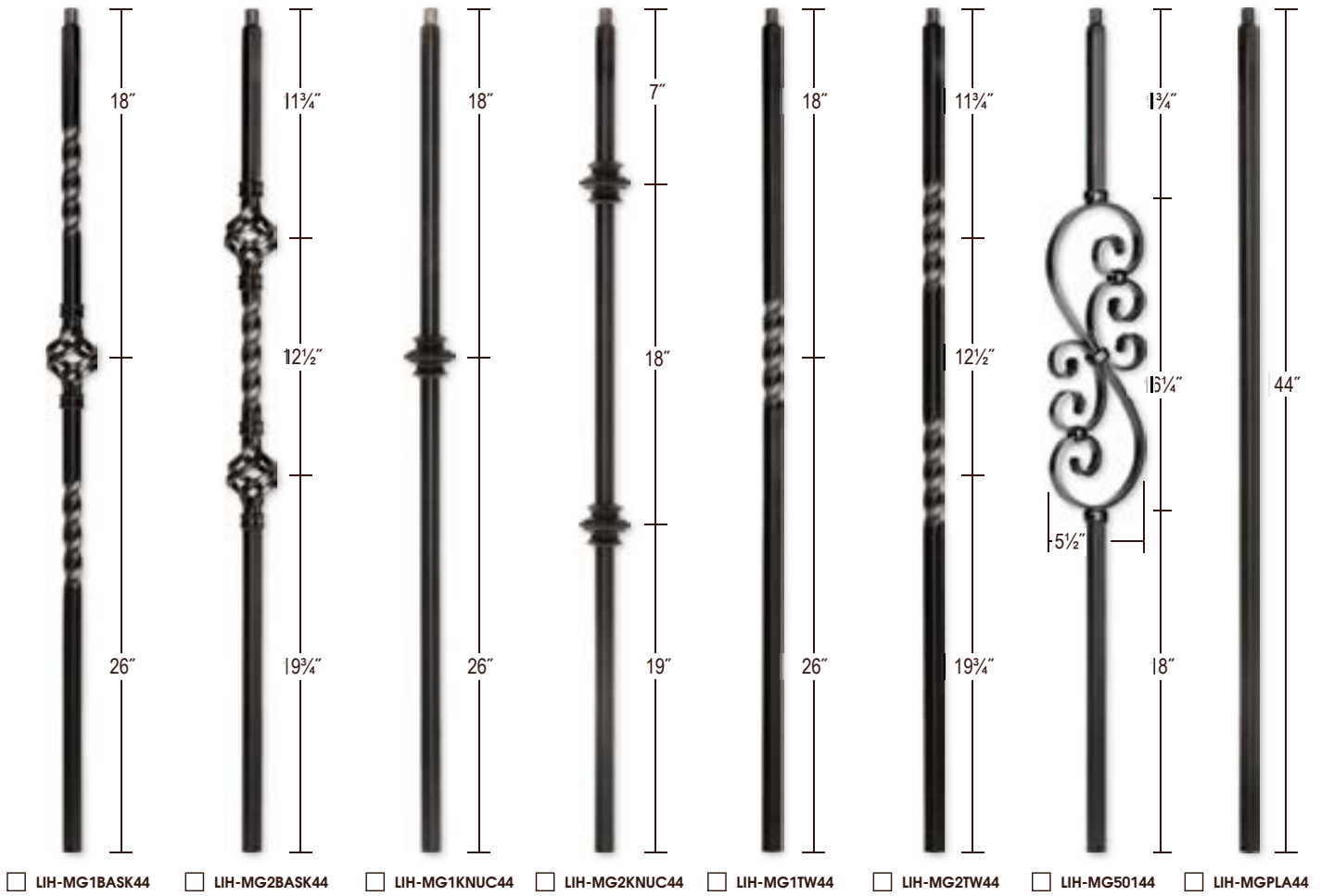
LI-R08F  
No Set Screw  
Iron



LI-R09P  
With Set Screw  
Iron

# Mega Collection - 3/4"

Over the Post Post to Post



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

Item Number	Satin Black (SB)	Matte Black (MB)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)
LIH-MG1BASK44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG2BASK44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG1KNUC44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG2KNUC44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG1TW44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG2TW44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MG50144	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIH-MGPLA44	<input type="checkbox"/>	<input type="checkbox"/>	<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-NWLFSH**  
Newel Collar and Mounting Kit

Over the Post

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-NWL14048	■	■	■	■	■	■
LI-NWLBASK48	■	■	■	■	■	■
LI-NWLRIB48	■	■	■	■	■	■
LI-NWLTW48	■	■	■	■	■	■
LI-NWLFSH	✓	✓	✓	✓	✓	✓

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

## IronPro™

### 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 handrail and threaded disc to tread (or hanger bolt to kneewall).

### 3

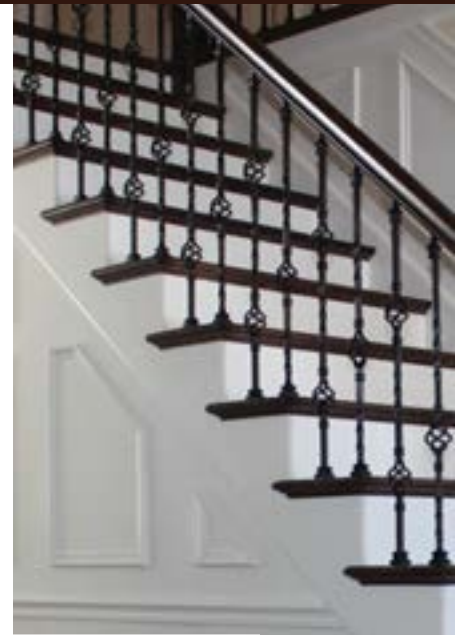
Measure the space between the ball adaptor and threaded disc (or ball adaptor and top of hanger bolt for kneewall). Transfer this measurement to the iron baluster from the pin shoulder down the baluster. Trim each iron baluster from the bottom.

### 4

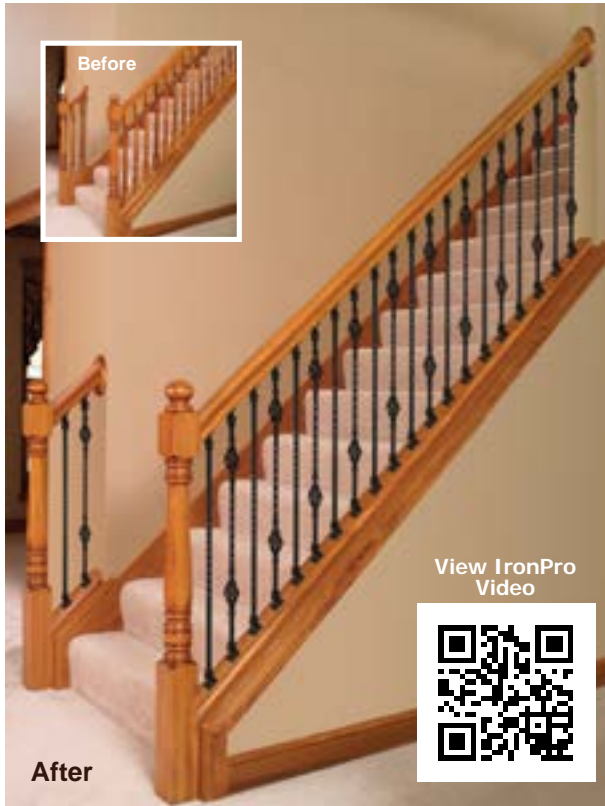
Pivot the ball adaptor to the side and insert iron baluster pin top. Slide the base collar (or threaded ball adaptor for kneewall) onto the baluster bottom.

### 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.



Pivot Baluster



View IronPro Video



## IronPro™ features:

### ✓ Full Flexibility

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

### ✓ Unsurpassed Durability

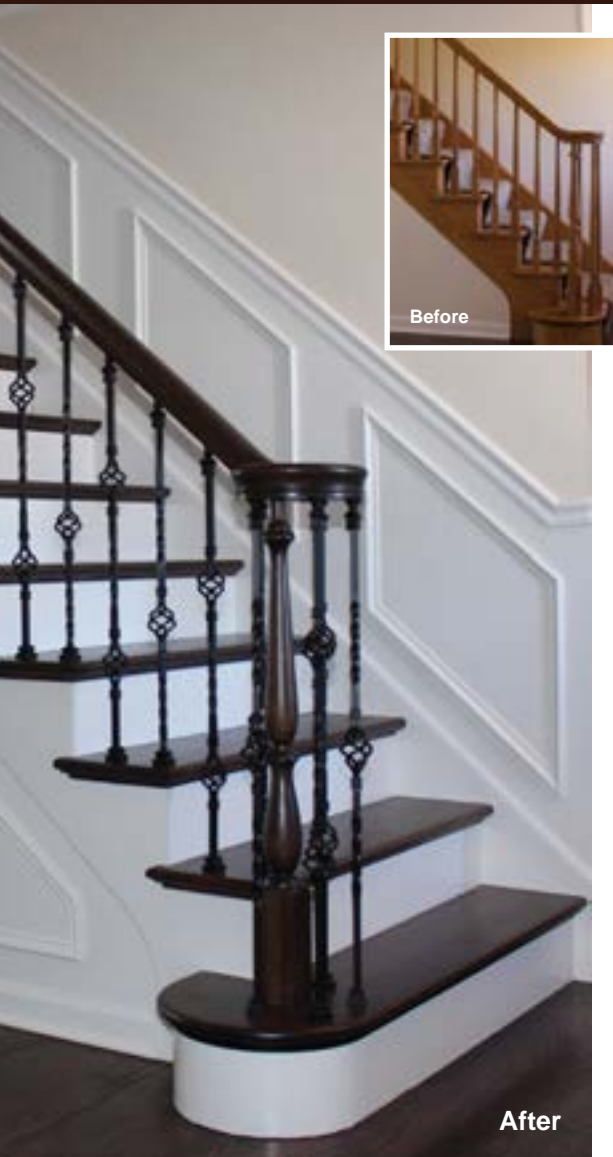
- Balusters are screwed into place

### ✓ DIY Simple Installation

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

### ✓ Elegant Look

- Unique and sophisticated attachment hardware



After

## How to Select IronPro™ Components ...

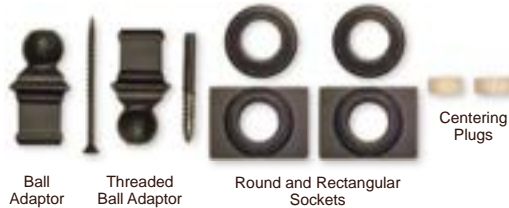
### Open Tread Stairway

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.



### Rectangular Socket Cover Plate

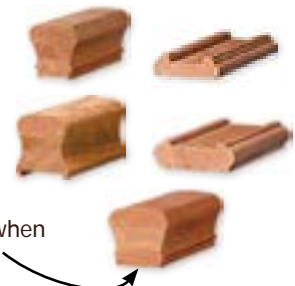
Select one metal **Rectangular Socket Cover Plate** (LI-PROPLT2) for each 1¼" or 1¾" wood baluster replacement on a kneewall when using the rectangular socket.



**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.

## Finished Look:

Open Tread Top Connection



Kneewall Stair Top Connection



Open Tread Bottom Connection



Kneewall Stair Bottom Connection



## Epoxy Adhesive Kits

We offer the following Contractor (LI-3701, LI-3702 & LI-3703) and Job-Lot (LI-3704, LI-3705 & LI-3706) Epoxy Adhesive kits for installing our Iron Balustrades.



**LI-3701**

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



**LI-3702**  
Contractor  
Injector Tool



**LI-3703**  
Contractor Epoxy  
Adhesive Mixing Nozzle



**LI-3704**

Job-Lot Kit includes Built-in Dispensing System, 5 oz. Adhesive Cartridge and nozzle. (Open work time is 6 minutes. Fills approximately 35 holes depending on hole size.)



**LI-3706**  
Extra Nozzle for  
LI-3704 & LI-3705



**LI-3705**

Job-Lot Kit includes 5 oz. Adhesive Cartridge and nozzle for use in standard caulk guns. (Open work time is 6 minutes. Fills approximately 35 holes depending on hole size.)

## 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-SB** Satin Black
- LI-PEN-MB** Matte Black
- LI-PEN-SV** Silver Vein \*
- LI-PEN-ABZ** Antique Bronze †
- LI-PEN-ORB** Oil Rubbed Bronze \*
- LI-PEN-ORC** Oil Rubbed Copper \*

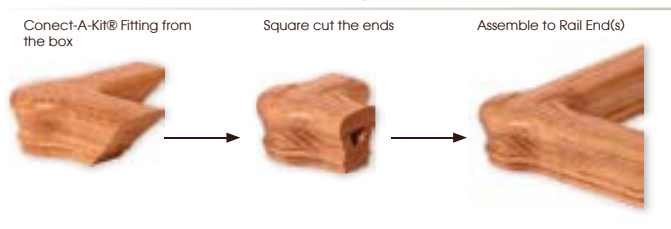
\* To more closely match the powder coat on our iron stair parts with this finish, a Satin Black pen will also be needed.



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).

Patent No. 5,261,201

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



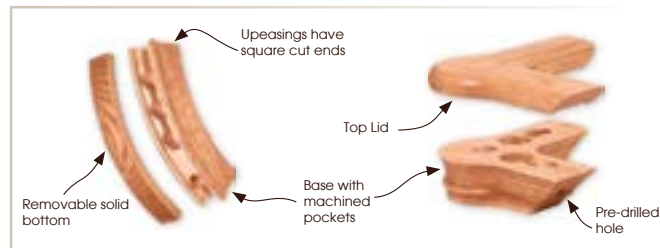
**Conect-A-Kit® fittings provide several advantages:**

**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!

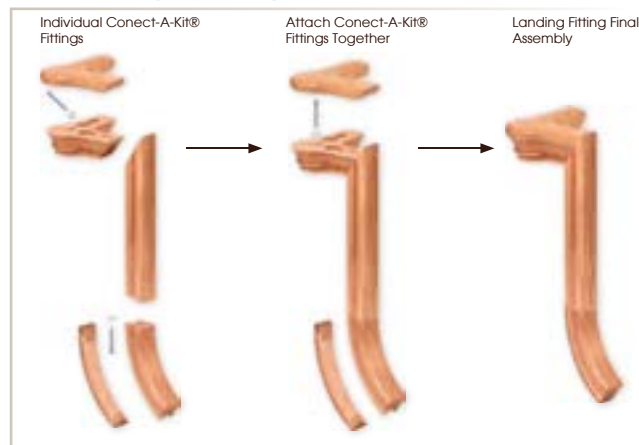
**Added Strength** — the hardware included with each fitting provides greater strength and tighter connections.

## What's Inside...

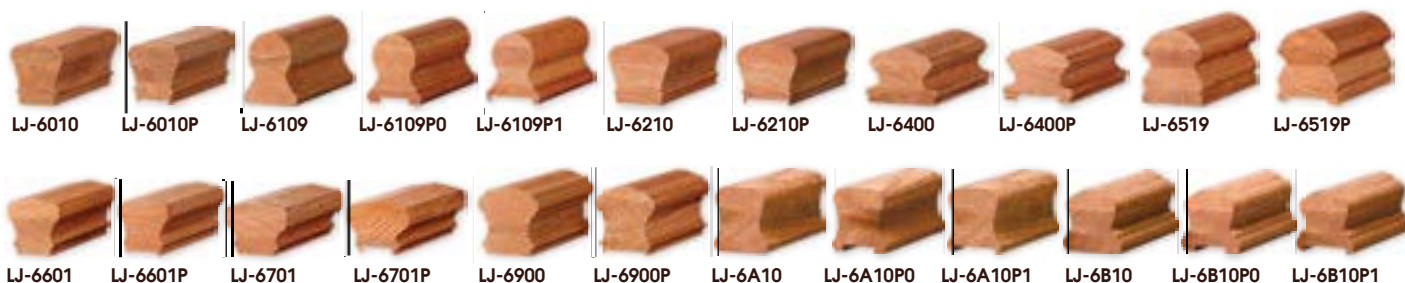


All of the Conect-A-Kit® fittings have a base with machined pockets and a removable top lid (or bottom) for easy installation. All assembly hardware is concealed within the base of each fitting.

## Conect-A-Kit® Fittings for 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.



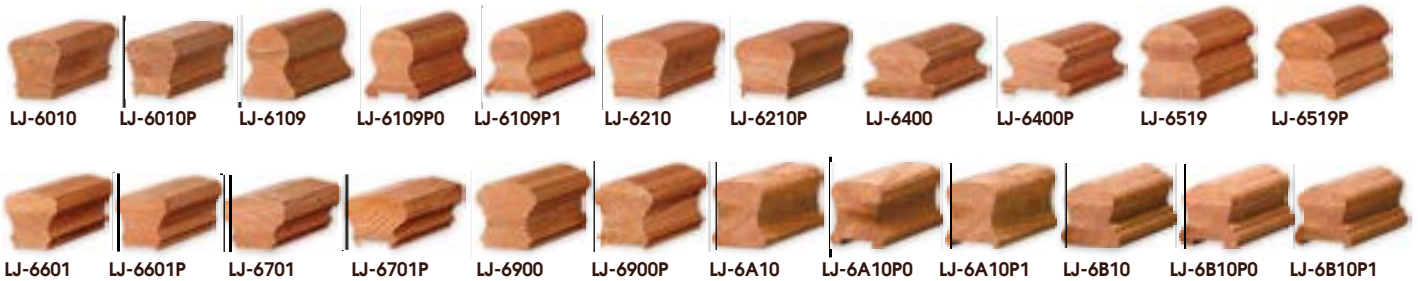
How to Install Conect-A-Kit® Fittings




# 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 peice. 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.



- |                                     |            |
|-------------------------------------|------------|
| 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) |

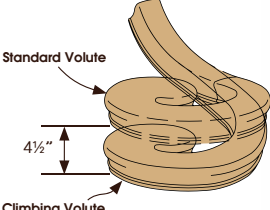


Traditional Left Hand  
Climbing Volute



Traditional Right Hand  
Climbing Volute

LJ-7031 ..... (use with LJ-6010)	LJ-7036
LJ-7131 ..... (use with LJ-6109)	LJ-7136
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




Standard Volute

4 1/2"

Climbing Volute

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° upseaping 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)

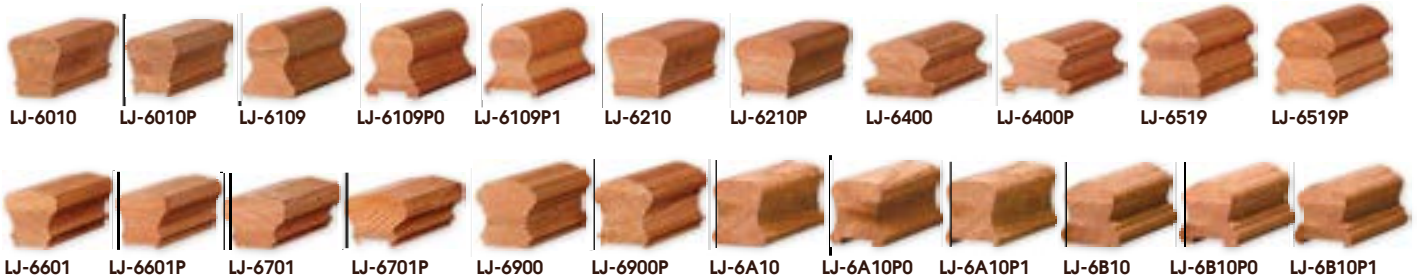


**Traditional 5" Right Hand Turnout\***

# 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.



LJ-6010

LJ-6010P

LJ-6109

LJ-6109P0

LJ-6109P1

LJ-6210

LJ-6210P

LJ-6400

LJ-6400P

LJ-6519

LJ-6519P

LJ-6601

LJ-6601P

LJ-6701

LJ-6701P

LJ-6900

LJ-6900P

LJ-6A10

LJ-6A10P0

LJ-6A10P1

LJ-6B10

LJ-6B10P0

LJ-6B10P1



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

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

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

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)

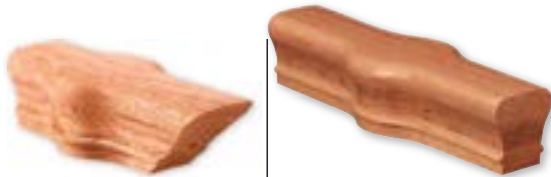

**Conect-A-Kit®  
Starting Easing**

- 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)

**Traditional  
Starting Easing**

**Conect-A-Kit®  
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)

**Traditional  
Starting Over Easing**

**Conect-A-Kit®  
Tandem Cap**

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

**Traditional  
Tandem Cap**

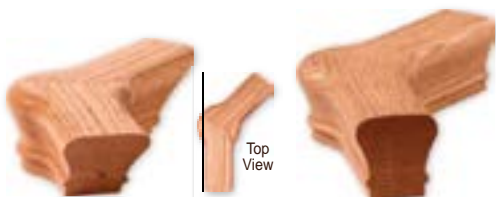
**Conect-A-Kit®  
Quarterturn with Cap 90°**

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

**Traditional  
Quarterturn with Cap 90°**

**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°**

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

**Traditional  
Quarterturn with Cap 135°**

**Traditional Coped End**

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



The Coped End and Opening Cap may be attached on the job using a rail bolt to accommodate almost any angle.


**Conect-A-Kit®  
Opening Cap**

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


**Traditional  
Opening Cap**

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


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

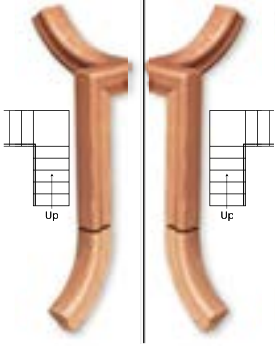
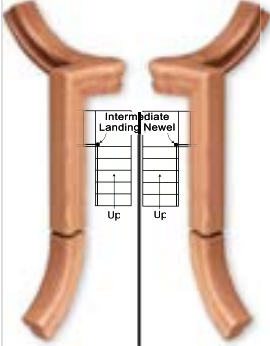
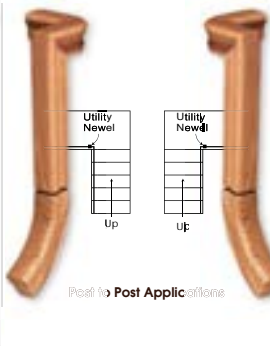
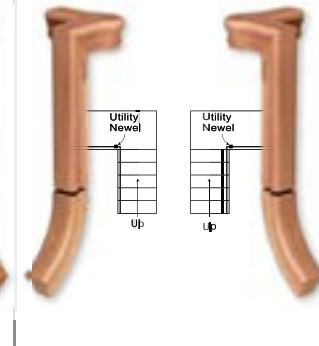







- LJ-7047 ..... (use with LJ-6010) ..... LJ-7048
- LJ-7147 ..... (use with LJ-6109) ..... LJ-7148
- LJ-7247 ..... (use with LJ-6210) ..... LJ-7248
- LJ-7447 ..... (use with LJ-6400) ..... LJ-7448
- LJ-7547 ..... (use with LJ-6519) ..... LJ-7548
- LJ-7647 ..... (use with LJ-6601) ..... LJ-7648
- LJ-7747 ..... (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**

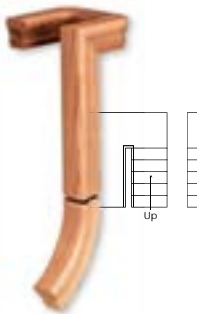
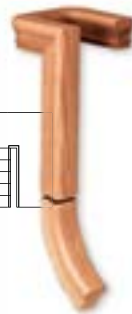
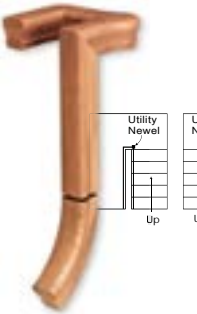
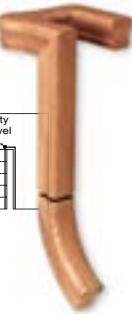
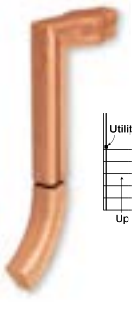
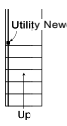

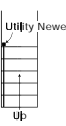




# Handrail Fittings

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 two pages to determine which

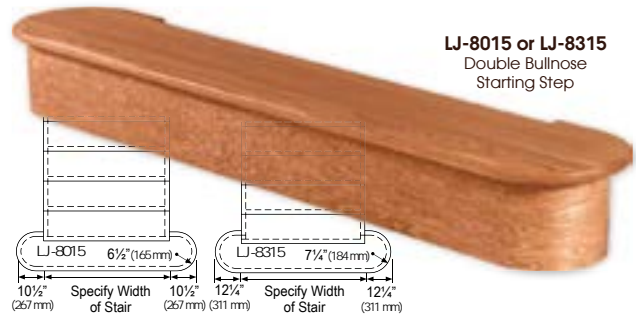
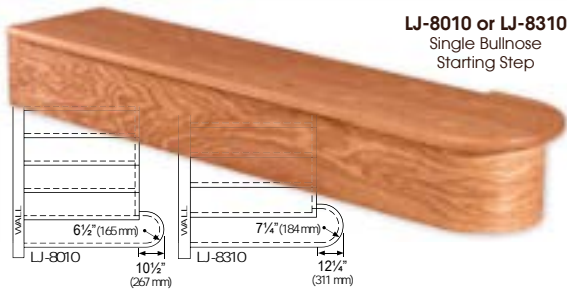
<p><b>How to use this chart</b> — Each box to the right shows a group of traditional gooseneck fittings. The rows below each group indicate which Conect-A-Kit component fittings, and how many of each, are required to build <u>any</u> one of the corresponding gooseneck fittings in the group. After you've determined which component fittings are needed, refer to pages 75-76 for the respective fitting part numbers to match your chosen handrail.</p>								
	Traditional LH Gooseneck	Traditional RH Gooseneck	Traditional LH Gooseneck	Traditional RH Gooseneck	Traditional LH Gooseneck	Traditional RH Gooseneck	Traditional LH Gooseneck	Traditional RH Gooseneck
	<p>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</p>	<p>S-7055 .....(use with LJ-6010) ... S-7050                      S-7155 .....(use with LJ-6109) ... S-7150                      S-7255 .....(use with LJ-6210) ... S-7250                      S-7455 .....(use with LJ-6400) ... S-7450                      S-7555 .....(use with LJ-6519) ... S-7550                      S-7655 .....(use with LJ-6601) ... S-7650                      S-7755 .....(use with LJ-6701) ... S-7750                      S-7955 .....(use with LJ-6900) ... S-7950                      S-7A55 .....(use with LJ-6A10) ... S-7A50                      S-7B55 .....(use with LJ-6B10) ... S-7B50</p>	<p>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</p>	<p>S-7065 .....(use with LJ-6010) ... S-7060                      S-7165 .....(use with LJ-6109) ... S-7160                      S-7265 .....(use with LJ-6210) ... S-7260                      S-7465 .....(use with LJ-6400) ... S-7460                      S-7565 .....(use with LJ-6519) ... S-7560                      S-7665 .....(use with LJ-6601) ... S-7660                      S-7765 .....(use with LJ-6701) ... S-7760                      S-7965 .....(use with LJ-6900) ... S-7960                      S-7A65 .....(use with LJ-6A10) ... S-7A60                      S-7B65 .....(use with LJ-6B10) ... S-7B60</p>	<p>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-7576                      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</p>	<p>S-7076 .....(use with LJ-6010) ... S-7071                      S-7176 .....(use with LJ-6109) ... S-7171                      S-7276 .....(use with LJ-6210) ... S-7271                      S-7476 .....(use with LJ-6400) ... S-7471                      S-7576 .....(use with LJ-6519) ... S-7571                      S-7676 .....(use with LJ-6601) ... S-7671                      S-7776 .....(use with LJ-6701) ... S-7771                      S-7976 .....(use with LJ-6900) ... S-7971                      S-7A76 .....(use with LJ-6A10) ... S-7A71                      S-7B76 .....(use with LJ-6B10) ... S-7B71</p>	<p>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</p>	<p>S-7086 .....(use with LJ-6010) ... S-7081                      S-7186 .....(use with LJ-6109) ... S-7181                      S-7286 .....(use with LJ-6210) ... S-7281                      S-7486 .....(use with LJ-6400) ... S-7481                      S-7586 .....(use with LJ-6519) ... S-7581                      S-7686 .....(use with LJ-6601) ... S-7681                      S-7786 .....(use with LJ-6701) ... S-7781                      S-7986 .....(use with LJ-6900) ... S-7981                      S-7A86 .....(use with LJ-6A10) ... S-7A81                      S-7B86 .....(use with LJ-6B10) ... S-7B81</p>
 <p>Conect-A-Kit returned End LJ-7X09</p>								
 <p>Conect-A-Kit Quarterturn 90° LJ-7X11</p>	1				1			
 <p>Conect-A-Kit Upsealing 60° LJ-7X12</p>	2		2		1		1	
 <p>Conect-A-Kit Opening Cap LJ-7X19</p>								
 <p>Conect-A-Kit Tandem Cap LJ-7X20</p>								
 <p>Conect-A-Kit Quarterturn w/Cap LJ-7X21</p>			1				1	
 <p>Conect-A-Kit Rail Drop LJ-7XRD</p>	1		1		1		1	

Conect-A-Kit fittings to order for making the corresponding goosenecks (Landing Fitting Assemblies) shown across the top.

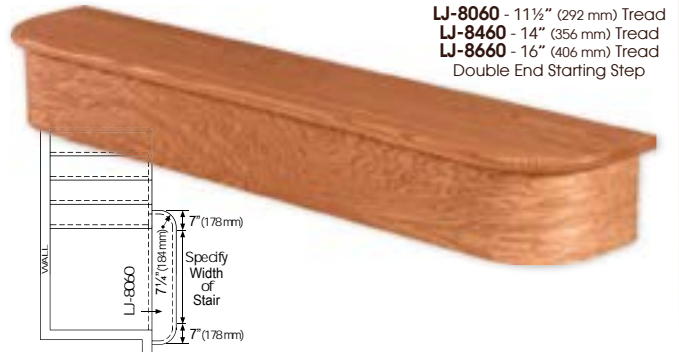
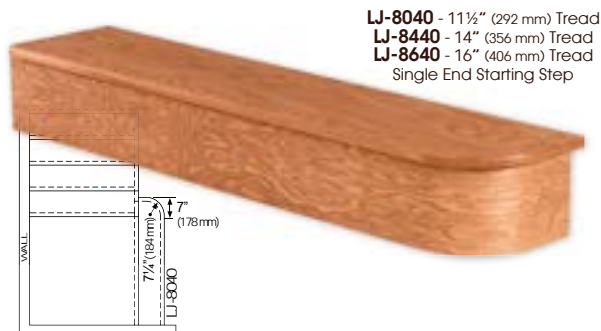
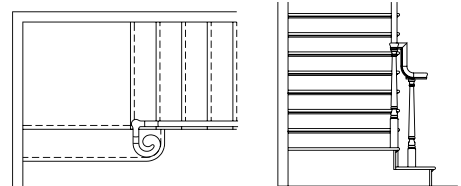
 	 	 	 	  <p>For 10 Post Applications</p>
<b>Traditional LH Gooseneck</b>	<b>Traditional LH Gooseneck</b>	<b>Traditional Tandem Cap Gooseneck</b>	<b>Traditional Cap Gooseneck</b>	<b>Traditional Gooseneck</b>
<p>S-7090-2..... (use with LJ-6010) ..... S-7095-2            S-7190-2..... (use with LJ-6109) ..... S-7195-2            S-7290-2..... (use with LJ-6210) ..... S-7295-2            S-7490-2..... (use with LJ-6400) ..... S-7495-2            S-7590-2..... (use with LJ-6519) ..... S-7595-2            S-7690-2..... (use with LJ-6601) ..... S-7695-2            S-7790-2..... (use with LJ-6701) ..... S-7795-2            S-7990-2..... (use with LJ-6900) ..... S-7995-2            S-7A90-2..... (use with LJ-6A10) ..... S-7A95-2            S-7B90-2..... (use with LJ-6B10) ..... S-7B95-2</p>	<p>S-7091-2..... (use with LJ-6010) ..... S-7092-2            S-7191-2..... (use with LJ-6109) ..... S-7192-2            S-7291-2..... (use with LJ-6210) ..... S-7292-2            S-7491-2..... (use with LJ-6400) ..... S-7492-2            S-7591-2..... (use with LJ-6519) ..... S-7592-2            S-7691-2..... (use with LJ-6601) ..... S-7692-2            S-7791-2..... (use with LJ-6701) ..... S-7792-2            S-7991-2..... (use with LJ-6900) ..... S-7992-2            S-7A91-2..... (use with LJ-6A10) ..... S-7A92-2            S-7B91-2..... (use with LJ-6B10) ..... S-7B92-2</p>	<p>S-7088-2..... (use with LJ-6010)            S-7188-2..... (use with LJ-6109)            S-7288-2..... (use with LJ-6210)            S-7488-2..... (use with LJ-6400)            S-7588-2..... (use with LJ-6519)            S-7688-2..... (use with LJ-6601)            S-7788-2..... (use with LJ-6701)            S-7988-2..... (use with LJ-6900)            S-7A88-2..... (use with LJ-6A10)            S-7B88-2..... (use with LJ-6B10)</p>	<p>S-7097..... (use with LJ-6010)            S-7197..... (use with LJ-6109)            S-7297..... (use with LJ-6210)            S-7497..... (use with LJ-6400)            S-7597..... (use with LJ-6519)            S-7697..... (use with LJ-6601)            S-7797..... (use with LJ-6701)            S-7997..... (use with LJ-6900)            S-7A97..... (use with LJ-6A10)            S-7B97..... (use with LJ-6B10)</p>	<p>S-7099..... (use with LJ-6010)            S-7199..... (use with LJ-6109)            S-7299..... (use with LJ-6210)            S-7499..... (use with LJ-6400)            S-7599..... (use with LJ-6519)            S-7699..... (use with LJ-6601)            S-7799..... (use with LJ-6701)            S-7999..... (use with LJ-6900)            S-7A99..... (use with LJ-6A10)            S-7B99..... (use with LJ-6B10)</p>
				<b>1</b>
<b>2</b>	<b>1</b>			
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
			<b>1</b>	
		<b>1</b>		
	<b>1</b>			
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

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-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, LJ-6900 turnouts and standard volutes, LJ-6701 standard volutes, and all climbing volutes, use LJ-8310 and LJ-8315 starting steps.



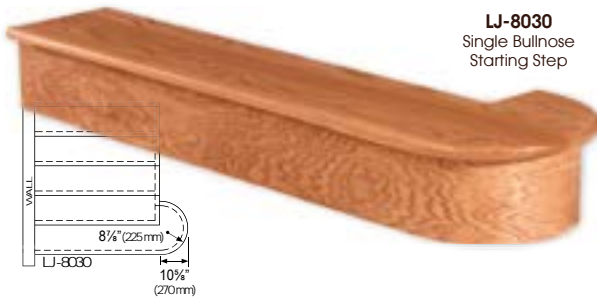
**Steps for use with Square Top Newels, Box Newels and 90 Starting Fittings** — For Box Newels or when placing any square top utility newel at the second riser, use LJ-8040 and LJ-8060 steps. For starting fittings utilizing a 90° up easing, as illustrated to the right, use LJ-8440, LJ-8460, LJ-8640 and 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.



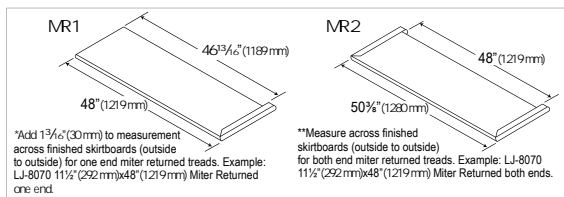


# Steps, Treads, Risers

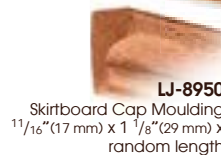
**Starting Steps for use with Box Newels** — Our LJ-8030 and LJ-8050 steps are for use with any of our Box Newels.



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



# Rosettes & Brackets

**Rosettes** — We have designed our rosettes to accommodate nearly any of our handrail profiles. Rosettes are used to cap off handrail any time it ends at a wall.



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



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



**LJ-7026**  
4 7/16" Round  
(116 mm)



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

**Stair Brackets** — These decorative brackets upgrade any open tread stair with their delicate detail.



**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)

**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.



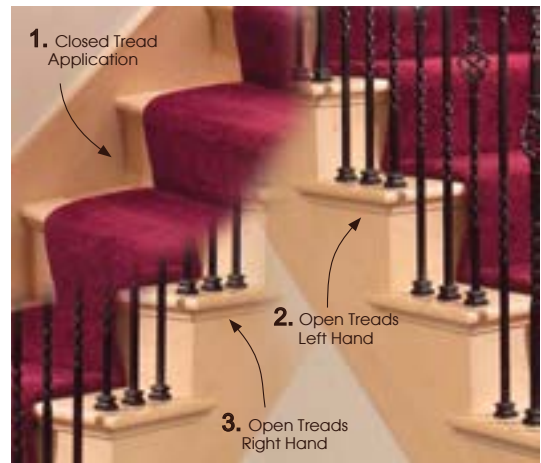
A false end step is used when a volute or turnout is utilized at the bottom of the stairway. Each kit includes cove and shoe moulding, and is reversible for right hand and left hand applications.

**LJ-8010-2**  
**False End Starting Step**

Use with the same starting fittings as is used with our LJ-8010 full starting step (see page 79)

**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 79)



## False Tread Kit Applications



**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)



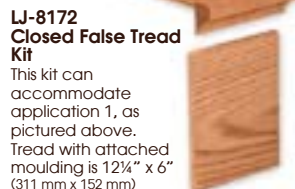
**LJ-8179**  
**Double Miter Return False Tread Kit**

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 LI-14044, LI-15044, LI-14344, LI-30144 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.

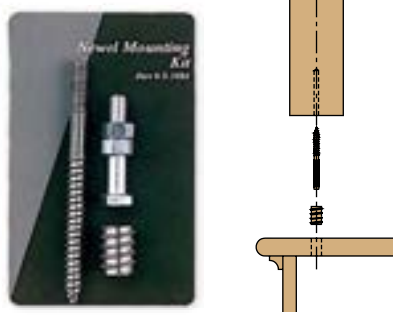
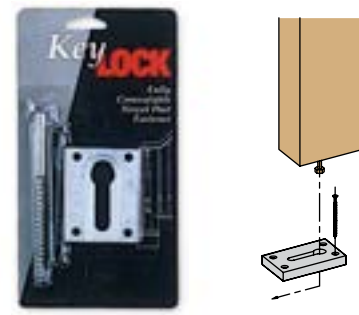
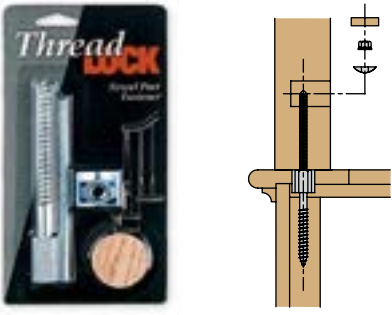
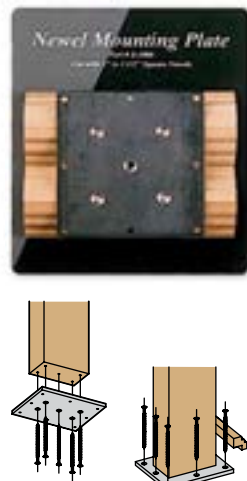
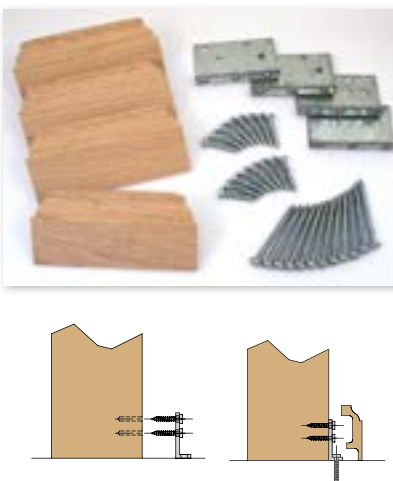
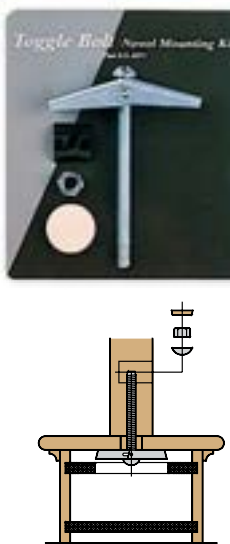
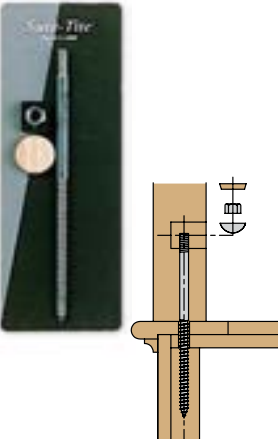
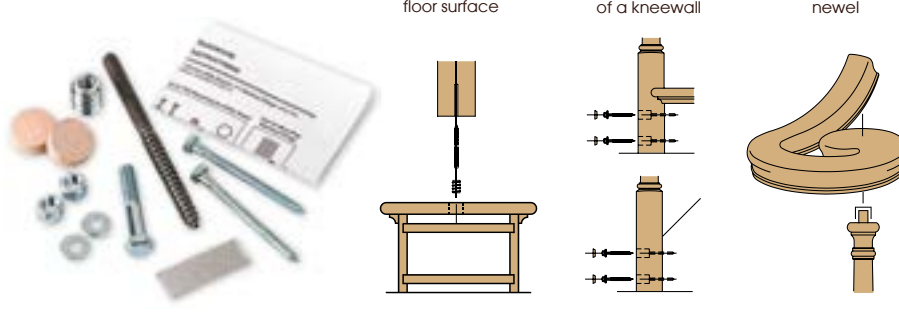

			
<b>LJ-6040</b> 1 3/4" x 1 5/8" (44 mm x 41 mm)	<b>LJ-6041</b> 2" Round (51 mm)	<b>LJ-6042</b> 2 1/4" x 1 9/32" (57 mm x 33 mm)	<b>LJ-6039</b> 1 3/4" (44 mm) Round (fittings not available)
			
<b>LJ-6040 FITTINGS</b>	<b>LJ-6041 FITTINGS</b>	<b>LJ-6042 FITTINGS</b>	
			
<b>LJ-7023</b> Quarterturn	<b>LJ-7001</b> Quarterturn	<b>LJ-7005</b> Quarterturn	
			
<b>LJ-7024</b> Starting Easing	<b>LJ-7002</b> Starting Easing	<b>LJ-7006</b> Starting Easing	
			
<b>LJ-7025</b> Over Easing	<b>LJ-7003</b> Over Easing	<b>LJ-7007</b> Over Easing	

**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 all of our brackets is 2 3/4" (70 mm).  
NOTE: Finish color may vary.

						
<b>LJ-3027</b> Solid Brass	<b>LJ-3127-BB</b> Polished Brass	<b>LJ-3127-PC</b> Polished Chrome	<b>LJ-3127-AN</b> Antique Nickel	<b>LJ-3127-BZ</b> Oil Rubbed Bronze	<b>LJ-3127-SN</b> Satin Nickel	<b>LJ-3127-BM</b> Black Matte
						
<b>LJ-3012-BB</b> Polished Brass	<b>LJ-3012-PC</b> Polished Chrome	<b>LJ-3012-AN</b> Antique Nickel	<b>LJ-3012-BZ</b> Oil Rubbed Bronze	<b>LJ-3012-SN</b> Satin Nickel	<b>LJ-3012-BM</b> Black Matte	

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



 <p><b>LJ-3004 Newel Mounting Kit</b> — This kit is fully concealable. Use on finished floor surfaces, landings, and starting steps.</p>	 <p><b>LJ-3005 Keylock™ Newel Post Fastener</b> — This kit is fully concealable. Use on finished floor surfaces, stairs, ceramic tile and concrete.</p>	 <p><b>LJ-3070 Threadlock™ Newel Post Fastener</b> — Use to mount newel posts on finished floor surfaces.</p>	
 <p><b>LJ-3006 Newel Mounting Plate</b> — Use to mount 3" (76 mm) to 3½" (89 mm) newel posts on finished floor surfaces.</p>	 <p><b>LJ-3009 (for 3" (76 mm) newels) LJ-3019 (for 3½" (89 mm) newels) Angle Bracket Newel Post Fastener</b> — Use to mount newel posts on finished floor surfaces.</p>	 <p><b>LJ-3071 Toggle Bolt Newel Mounting Kit</b> — Use to mount newel posts on starting steps.</p>	 <p><b>LJ-3008 (16" (406 mm) lag bolt) LJ-3008-10 (10¾" (273 mm) lag bolt) Sure-Tite™ Newel System</b> — Use to mount newel posts on finished floor surfaces.</p>
<p><b>LJ-3007HDWE Hardware Kit</b> — This kit includes a variety of hardware used to install a utility newel and a starting fitting.</p> <p>Use to flush mount the utility newel on a starting step or other finished floor surface</p> <p>Use to face mount the utility newel to the face of the riser or end of a kneewall</p> <p>Use the perforated metal strip to attach the starting fitting to the utility newel</p> 		<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.</p> 	

L.J. Smith offers a full line 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-3075 Flush Mount Kit</b> — Use to fasten handrail to newels in flush mount applications.</p>	 <p><b>LJ-3076 Dowel-Fast Screws</b> — Pack of 50 5/16" x 2 1/2" full thread dowel screws to attach 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*</b> <b>LJ-3080 (10 Pack) Rail Bolt Kit(s)</b> Use to attach handrail to: handrail, fitting, newel, wall; or fittings to fittings. *To order items separately use: LJ-3001 for bolt, washer and nut and use LJ-3000 for plug.</p>	 <p><b>LJ-3020 LJ-3021 (10 Pack) Wood Glue</b> Aliphatic resin in Pressure Point syringe for neat and accurate placement of glue.</p>	 <p><b>LJ-3022 LJ-3023 (10 Pack) Realwood</b> Water-based putty in Pressure Point syringe fills defects, cracks and nail holes.</p>
 <p><b>LJ-3024 (100 Pack) 1/2" (13 mm) Tapered Plugs</b> <b>LJ-3025 (25 Pack) 1" (25 mm) Tapered Plugs</b> 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> Face grain button plugs are used to cover bolt holes in newel posts.</p>	 <p><b>LJ-3074 (16 Pack) Mr. Grip™</b> These perforated metal strips provide an extremely tight fit between handrail fittings and Over the Post newel posts.</p>

## Tread & Riser Layout Tool

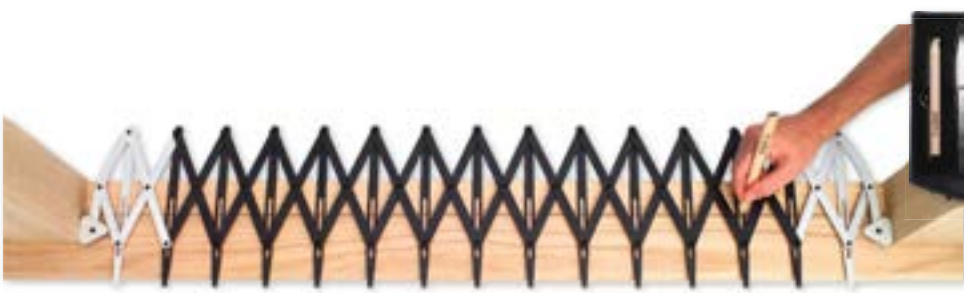
 <p>1. Create template using the Stair Wizard™</p> <p>2. Mark the tread using the Stair Wizard™ as the template</p>	<p><b>LJ-3052 Stair Wizard™</b> — This innovative tool allows tread installations to be done in half the time of traditional methods. Our Stair Wizard™ creates an exact template for each tread (or riser), including length, end angles and depth. It's particularly useful for out of square stairs. Simply scribe the tread blank along the template outline and trim the tread. The Stair Wizard™ accommodates stair treads up to 14" (356 mm) deep and 53" (1346 mm) wide. See below for extensions that can be purchased to increase the width capacity by 18" (457 mm) increments.</p> <p><b>LJ-3053 Extensions</b> — These extensions quickly increase the stair width capacity of the Stair Wizard™. Simply splice on the required number of extensions and use the tool in the normal manner. Available sets of two.</p> 
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L.J. Smith offers a variety of tools designed specifically for stair installers in order to make marking and installing balusters easier and quicker.

## Baluster Marking and Installation Tools

 <p><b>LJ-3035 Centaur®</b> — Centers 9/32" (7 mm) hole in baluster bases for our Dowel-Fast screws. Fits 1 1/4" (32 mm) and 1 3/4" (44 mm) balusters. Doubles as a drill bit guide and a centering device.</p>	<p><b>LJ-3047 Telescoping Baluster Marking Tool</b> — Use for marking baluster locations beneath handrails. Equipped with a bubble level, rule and a 1/2" (13 mm) X 5/8" (16 mm) extension which extends from 28" (711 mm) to 42" (1067 mm). Pat. No. 5,414,942</p> 	 <p><b>C-88 Baluster Centerline Tool</b> — This handy steel tool is used for quick and accurate determination of 1 1/4" (32 mm) and 1 3/4" (44 mm) baluster centerlines on the treads of open tread stairways.</p>
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**LJ-3090 BalconyPro®** — This innovative tool is an expandable assembly that provides a quick and easy method for accurately marking baluster locations on level runs and balconies. The BalconyPro® expands up to 6' (1829 mm) and additional **Marker Stick Assemblies (LJ-3090-1)** can be purchased to increase the expansion up to 10'. Comes in a handy protective hard case. Patent No. 6,854,196.




**LJ-3090-1 Single Marker Stick Assembly**


**Baluster Runners™** — Our Baluster Runners™ make installing balusters on open treads and level runs a breeze because they utilize the speed of a drill. Simply insert the special 3/8" socket driver (included) into one of the Baluster Runners™ and then chuck into any 3/8" or larger power drill. After running the baluster into the tread or landing using the Baluster Runner™, our handy Baluster Wrench quickly squares the baluster up. We offer a Baluster Runner™ for 1 1/4" (32 mm) balusters and another for 1 3/4" (44 mm) balusters and each can be used on either pin top or square top balusters. The Runners and Baluster Wrench are each sold separately, or as a set. Patent Pending.




**LJ-3084**  
1 1/4" & 1 3/4" Baluster Runner™ Set



**LJ-3084-1**  
1 1/4" Baluster Runner™




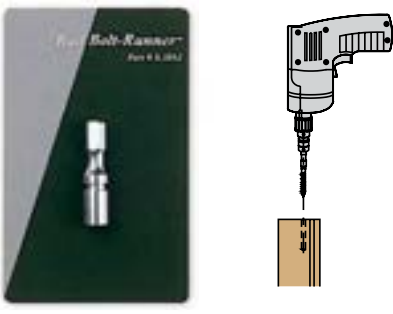
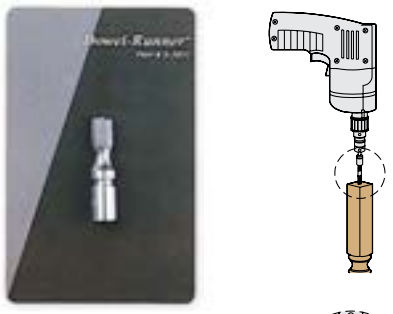
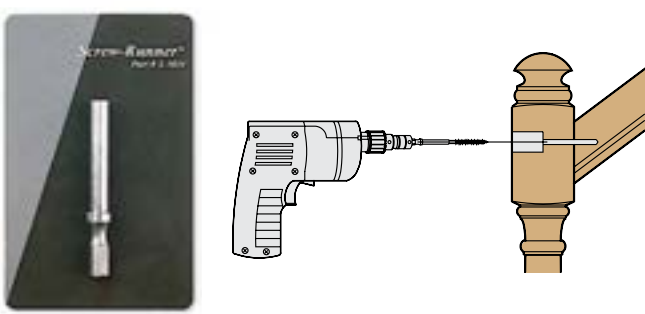
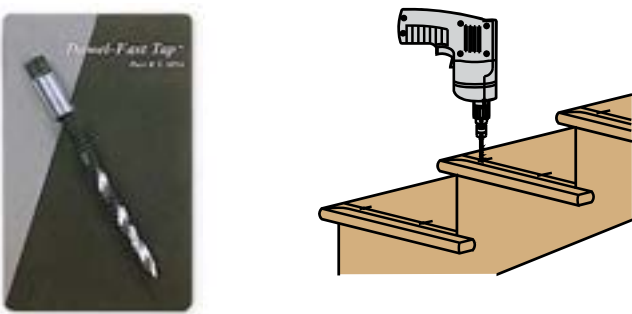

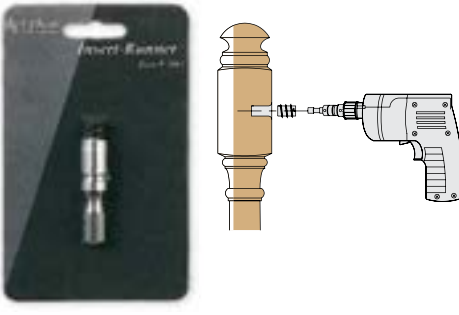

**LJ-3084-2**  
1 3/4" Baluster Runner™



**LJ-3084-3**  
Baluster Wrench

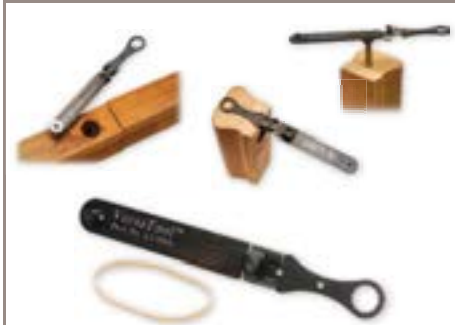
L.J. Smith offers a variety of power drill accessories designed specifically for stair installers. Our unique Chuck-Buster is a “must have” for every stair installer. This nifty tool will save valuable time on every stair installation because it eliminates time consuming chuck keys and handling of multiple drills. Most of the drill tools needed to install stairs are right here on this page. Our Chuck-Buster quickly connects and releases all of them in any 3/8” or larger chuck drill.

## Chuck-Buster Tools

 <p><b>LJ-3031 Chuck-Buster</b> — Quickly connects and releases many tools from 3/8” or larger chucks. Saves time by eliminating additional drills and the use of a chuck key.</p>	 <p><b>LJ-3032 Rail Bolt-Runner</b> — This drill attachment has machine threads to drive rail bolts into handrail, fittings, newels, and walls.</p>	 <p><b>LJ-3033 Dowel-Runner®</b> — This drill attachment has lag threads to drive dowel screws into baluster bases.</p>
 <p><b>LJ-3034 Screw-Runner</b> — This 4” drill extension has a magnetic end which fits 1/4” hex screw tips. This tool provides ease in driving wood screws into newel posts.</p>	 <p><b>LJ-3036 Dowel-Fast Tap</b> — This time-saving tool drills and taps holes for ease of tightening dowel-screwed balusters into treads and landing treads.</p>	
 <p><b>LJ-3041 Scraper Sharpener</b> — Use this tool to quickly sharpen any of our handrail scraper profiles found on the following page. Patent No. 5,440,811</p>	 <p><b>LJ-3085 Insert-Runner</b> — Use this drill attachment with our <b>LJ-3075 Flush Mount Kit</b> and <b>LJ-3004 Newel Mounting Kit</b> to drive the 3/4”x1” threaded insert into the appropriate surface.</p>	 <p><b>LJ-3049 Drill Bit Pack</b> — Includes a variety of drill bit sizes required for most stair installations.</p> <p>Includes our Chuck-Buster &amp; Dowel-Fast Tap Includes these twist bits: 1/8”x6”, 5/32”x3 1/2”, 3/16”x3 1/2”, 3/8”x8”, 9/32”x4” Includes these spade bits: 1/2”x5”, 9/16”x5”, 5/8”x5”, 1”x5”, 1 1/2”x5”, 3/4”x5”, and a 5/8”x3” flare bit.</p>

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

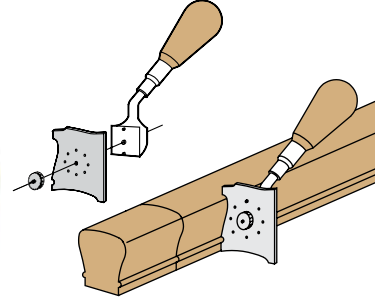
## Handrail & Fitting Tools



**LJ-3044 VersaTool™** — 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 & rail drops for attaching to Conect-A-Kit® handrail fittings.



**Scrapers** — Use to smooth profiles of handrail when two pieces are connected together. Great for clean-up on bending rail. Pat. No 5,440,811



**LJ-3043 Scraper Handle** — Our scraper handle offers a higher level of control when using any of our scrapers. Pat. No. 5,440,811

- |  |   |   |   |  |
|--|---|---|---|--|
| <b>LJ-3040-6010</b><br>LJ-6010 & LJ-6210<br>Profiles | <b>LJ-3040-6109</b><br>LJ-6109<br>Profile | <b>LJ-3040-6400</b><br>LJ-6400<br>Profile | <b>LJ-3040-6519</b><br>LJ-6519<br>Profile | <b>LJ-3040-6701</b><br>LJ-6701 & LJ-6601<br>Profiles |
|--|---|---|---|--|

**LJ-3060 Bore Buster®** — The Bore Buster® increases the quality and speed of handrail installation. This tool bores precision perpendicular or angled holes in straight or curved wooden handrails. The Bore Buster® is lightweight but extremely tough. It has precision pitch controls and fits LJ-6010, LJ-6109, LJ-6210, LJ-6400, LJ-6519, LJ-6601, LJ-6701, LJ-6900, LJ-6A10 and LJ-6B10 handrail profiles. This tool permits fast, accurate rail bolt holes to be drilled. The Bore Buster® fits most power drills and our **LJ-3031 Chuck-Buster**.



**LJ-3060 Bore Buster®**  
Comes in a hard carrying case and includes:

- LJ-3031 Chuck-Buster**  
9/32" twist bit  
3/8" twist bit  
5/8" Bore Buster® bit  
3/4" Bore Buster® bit  
1" Bore Buster® bit  
Bit file



**LJ-3061 Bore Buster® Plus**  
Comes in a hard carrying case and includes:  
**LJ-3060 Bore Buster®** & accessories  
3/8" electric drill  
**LJ-3032 Rail Bolt-Runner**  
**LJ-3033 Dowel-Runner®**  
**LJ-3035 Centaur®**  
**LJ-3036 Dowel-Fast Tap**  
**LJ-3044 VersaTool™**

## Tool Bag and Tool Packs



**LJ-3062 Tool bag** — This rugged canvas bag is tough enough to handle all of your stairway installation tools...plus anything else you want to throw in!!! Add either of our tool packs, or fill it with any combination of our stairway installation tools and hardware. We've tested it with both of our tool packs and all of our other tools, and there's still room left for your drill, tape measure and much more. Bag Dimensions: 12" (305 mm) deep x 10" (254 mm) wide x 25" (635 mm) long



**LJ-3064 Tool Pack 1** — Includes:  
LJ-3031 Chuck-Buster  
LJ-3033 Dowel-Runner®  
LJ-3035 Centaur®  
LJ-3044 VersaTool™  
LJ-3085 Insert-Runner  
LJ-3047 Telescoping Baluster Marking Tool  
LJ-3032 Rail Bolt-Runner  
LJ-3034 Screw-Runner  
LJ-3036 Dowel-Fast Tap  
LJ-3040-6010 Scraper  
C-88 Centerline Tool



**LJ-3066 Tool Pack 2** — Includes:  
LJ-3049 Drill Bit Pack  
LJ-3052 Stair Wizard™  
LJ-3084 Baluster Runner™ Set  
LJ-3090 BalconyPro®





L.J. Smith Wood Spiral Stairways are available in many different balustrade combinations and sizes, as well as custom configurations. Each stairway is set up in our shop and then disassembled prior to shipment so there is very little fitting required at the job-site.

## Construction Features...



Every baluster has a double-end wood screw installed in the bottom which is easily and quickly inserted into the pre-drilled treads.



The underside of the treads and risers provide a clean, finished look. Note: the riser cutout design rejects a 4" sphere ball.



Profiled handrail is pre-drilled to easily accept our pin top balusters.



The miter returned end of each tread is finished with a decorative trim bracket and cove moulding which are curved to match the radius of the spiral stairway.



Treads and risers fit snugly to the center pole leaving no undesirable gaps.

Each spiral stairway comes with detailed assembly instructions. Visit our website for more information.



**5' Spiral Stairway**

**Iron Balusters:** LI-1BASK44 and LI-DBLTW44  
**Handrail:** LJ-6900  
**Newel Post:** LJP-3240



**3'9" Custom Spiral Stairway**

**Balusters:** LJ-5015  
**Handrail:** LJ-6010  
**Newel Post:** LJ-4040



**5' Spiral Stairway**

**Balusters:** LJ-5300  
**Handrail:** LJ-6210  
**Newel Post:** LJ-4503



# 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 32" minimum/36" maximum 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	<b>SKIRTBOARD</b> 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.	80		
2	<b>TREADS</b> Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 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 81.	80-81		
3	<b>RISERS</b> 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 81.	80-81		
4	<b>LANDING TREAD</b> 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.	80		
5	<b>COVE MOULD</b> 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.	80		
6	<b>UTILITY NEWEL</b> For stairs with a 30"-34" rake rail height, select the 48" Utility Newel for the starting newel at the bottom of the stairway. For 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. 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.	20-34 36-41		
7	<b>PIN NEWEL</b> 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	<b>INTERMEDIATE LANDING NEWEL</b> 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 for your application. Refer to the photos on page 12. 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.	20-34 36-41		
9	<b>SECOND FLOOR LANDING NEWEL</b> 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... If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	20-34 36-41		
10	<b>LEVEL RUN NEWEL</b> 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	<b>HALF NEWEL</b> 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)	20-41		
12	<b>OR ROSETTES</b> 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).	81		
13	<b>NEWEL MOUNTING HDWE</b> Select one of the newel mounting kits for each newel post.	84		
14	<b>RAKE BALUSTERS FOR OPEN TREAD STAIR</b> "LJ-" Series Balusters: For 30"-34" handrail height, use the 34" baluster for the 1st baluster on the tread and use the 38" baluster for the 2nd and 3rd balusters on the tread. If using three balusters per tread, and a fitting, substitute a 42" baluster for the 3rd baluster under each landing fitting assembly (gooseneck). 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" rake rail height, the 42" baluster may not be long enough for use under a landing fitting assembly (gooseneck). "S-" Series Balusters: For 30"-34" handrail height, the 1st baluster on the tread is 31", the 2nd is 34", and if applicable, 3rd is 36". (If using 3 per tread, substitute a 39" for the 3rd baluster under each landing fitting assembly (gooseneck). 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".	19-34 27,31		
15	<b>RAKE BALUSTERS FOR KNEEWALL STAIR</b> "LJ-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. "S-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	19-34 27,31		
16	<b>LEVEL RUN BALUSTERS</b> "LJ-" Series Balusters: Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. Place on 4"-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. "S-" Series Balusters: Use the 36" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. Place on 4"-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.	19-34 27,31		
17	<b>HANDRAIL</b> 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.	19-34,82		
18	<b>WALL RAIL</b> 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.	83 19-34 82		
19	<b>HANDRAIL FITTINGS (Landing Fitting Component)</b> If using a Landing Fitting Assembly with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 77-78. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	77-78		
20	<b>HANDRAIL FITTINGS (Miscellaneous Component)</b> 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		
21	<b>SHOERAIL FOR KNEEWALL STAIR/LEVEL RUN</b> Select shoerail at a rate of 13" per each tread on kneewall. Select shoerail to cover all balcony landing tread, (if desired).	19-34		
22	<b>FILLET</b> Select enough fillet to fill all plowed handrail and all shoerail.	19-34		
23	<b>DOUBLE-END SCREW</b> 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 balustrade.	85		
24	<b>BRACKETS (Open Stairs)</b> Select one bracket for each tread, (if desired).	81		
25	<b>HARDWARE</b> See pages 83-85 for any other installation hardware needed, such as, but not limited to, the following: Flush Mount Kit or Rail & Post Fabricator for the handrail to the newel posts; Wall Rail Brackets for any handrail attached to the wall; Wood Plugs; Wood Putty or Wood Glue.	83-85		

### 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.

<b>Shortest Utility Newel (48"—5" top face)</b>	Use this newel as the starting newel on all stairs with a 30"-34" rake rail height. Can be used as a balcony newel that is surface mounted.
<b>Longest Utility Newel (58"—5" top face)</b>	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.
<b>2nd Floor Landing Newel (11" top face)</b>	Use this newel for the 2nd floor landing newel when not using a landing fitting assembly. Will achieve a 36" balcony railing height.
<b>Intermediate Landing Newel (73" overall—14 1/2" top face)</b>	Use this newel for a level intermediate landing with no landing fitting assembly.
<b>Intermediate Landing Newel (62" overall—5" top face)</b>	Use this newel for level landings with a landing fitting assembly.
<b>Intermediate Landing Newel (73" overall—5" top face)</b>	Use this newel for intermediate landings with 2-winder treads and a landing fitting assembly.
<b>Intermediate Landing Newel (78" overall—5" top face)</b>	Use this newel for intermediate landings with 3-winder treads and a landing fitting assembly.



## 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 32" minimum/36" maximum 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	<b>SKIRTBOARD</b> 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.	80		
2	<b>TREADS</b> 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 81.	80-81		
3	<b>RISERS</b> 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 81.	80-81		
4	<b>LANDING TREAD</b> 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.	80		
5	<b>COVE MOULD</b> 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	80		
<b>BALUSTRADE</b>				
6	<b>UTILITY NEWEL</b> For stairs with a 30"-34" rake rail height, select the 48" Utility Newel for the starting newel at the bottom of the stairway. For 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 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.	20-34		
7	<b>PIN NEWEL</b> 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	<b>INTERMEDIATE LANDING NEWEL</b> 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 for your application. Refer to the photos on page 12. 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.	20-34		
9	<b>SECOND FLOOR LANDING NEWEL</b> 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 Newel Applications chart below... If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	20-34		
10	<b>LEVEL RUN NEWEL</b> 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	<b>HALF NEWEL OR ROSETTES</b> 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	<b>NEWEL MOUNTING HARDWARE</b> Select one of the newel mounting kits for each newel post.	81		
13	<b>RAKE IRON BALUSTERS FOR OPEN TREAD STAIR</b> Use two or three iron balusters per tread. While not necessary, an alternating pattern is frequently desired. When using two balusters per tread, please check building codes for baluster spacing compliance. Note: Scroll style balusters cannot be used three per tread.	84		
14	<b>RAKE IRON BALUSTERS FOR KNEEWALL STAIR</b> Select iron balusters at a rate of three per tread placed on 4" to 6" centers. 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.	57-67		
15	<b>LEVEL RUN IRON BALUSTERS</b> Place iron balusters on 4"-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. While not necessary, an alternating pattern is frequently desired.	58,61		
16	<b>HANDRAIL</b> 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.	57-67		
17	<b>WALL RAIL</b> 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.	19-34, 82		
18	<b>HANDRAIL FITTINGS (Landing Fitting Component)</b> 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 77-78. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	83		
19	<b>HANDRAIL FITTINGS (Miscellaneous Component)</b> 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.	77-78		
20	<b>BOTTOM BALUSTER COLLARS</b> Select one bottom baluster collar for each baluster. See descriptions for applications	75-76		
21	<b>TOP BALUSTER COLLARS</b> Select one top baluster collar for each baluster (if desired). See descriptions for applications	57-67		
22	<b>IRON BALUSTER ACCESSORIES</b> If using PLA44 balusters, select the appropriate number of adjustable knuckles (if desired). If medallion balusters are being used, select the corresponding number of medallions (if desired).	57-67		
23	<b>BRACKETS (Open Stair)</b> Select one bracket for each tread, (if desired).	58,60		
24	<b>IRON BALUSTER EPOXY</b> Select one non-rub ion epoxy for installing the iron balusters	81		
25	<b>HARDWARE</b> See pages 83-85 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 post; Wall Rail Brackets for any handrail attached to the wall; Wood Plugs Wood Putty or Wood Glue.	71		
26		83-85		

### 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.

<b>Shortest Utility Newel (48"—5" top face)</b>	Use this newel as the starting newel on all stairs with a 30"-34" rake rail height. Can be used as a balcony newel that is surface mounted.
<b>Longest Utility Newel (58"—5" top face)</b>	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.
<b>2nd Floor Landing Newel (11" top face)</b>	Use this newel for the 2nd floor landing newel when not using a landing fitting assembly. Will achieve a 36" balcony railing height.
<b>Intermediate Landing Newel (73" overall—14 1/2" top face)</b>	Use this newel for a level intermediate landing with no landing fitting assembly.
<b>Intermediate Landing Newel (62" overall—5" top face)</b>	Use this newel for level landings with a landing fitting assembly.
<b>Intermediate Landing Newel (73" overall—5" top face)</b>	Use this newel for intermediate landings with 2-winder treads and a landing fitting assembly.
<b>Intermediate Landing Newel (78" overall—5" top face)</b>	Use this newel for intermediate landings with 3-winder treads and a landing fitting assembly.

# 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 32" minimum/36" maximum 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.	80		
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 79. 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 81.	79,81		
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 skirboard to skirboard 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 skirboard to skirboard measurement (measured outside to outside). For false treads see page 81.	80-81		
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 81.	80-81		
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.	80		
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.	80		
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.	73-74		
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 not 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 65" intermediate landing newel in 2-winder landings. Use the 73" intermediate landing newel in 3-winder landings.	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 size as the other full newels selected on the balcony. 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).	44-55 81		
15 NEWEL MOUNTING HDWE	Select one of the newel mounting kits for each newel post.	84		
16 BALUSTERS FOR VOLUTES AND TURNOUTS	"LJ-" Series Balusters: Standard volutes require four or six 1 1/2" balusters, or four 1 1/2" balusters. Turnouts require two 1 1/2" balusters, or one 1 1/2" baluster. For 30"-34" rake rail height, use 38" balusters under all standard volutes, and use 42" baluster(s) under all turnouts. For 34"-38" rake rail height, use 42" balusters under all standard volutes and turnouts. Climbing volute requirements: For 30" rake rail height, use three 34" and one or two 38" baluster(s). 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.	43-55		
	"S-" Series Balusters: For 30"-34" rake rail height, standard volutes require four or six 1 1/2" x 36" balusters, or four 1 1/2" x 36" balusters. Turnouts require two 1 1/2" x 39" balusters or one 1 1/2" x 39" baluster. For 30"-34" rake rail height, use 42" balusters under standard volutes and turnouts.	51,53		
17 BALUSTERS FOR STARTING EASING WITH CAP	"LJ-" Series Balusters: Use one 38" baluster for 30"-34" handrail height. Use one 42" baluster for 34"-38" handrail height.	43-55		
	"S-" Series Balusters: Use one 34" baluster for 30"-34" handrail height. Use one 42" baluster for 34"-38" handrail height.	51,53		
18 RAKE BALUSTERS FOR OPEN TREAD STAIR	"LJ-" Series Balusters: For 30"-34" handrail height, use the 34" baluster for the 1st baluster on the tread and use the 38" baluster for the 2nd and 3rd balusters on the tread. If using three balusters per tread, substitute a 42" baluster for the 3rd baluster under each landing fitting assembly. 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.	43-55		
	"S-" Series Balusters: For 30"-34" handrail height, the 1st baluster on the tread is 31", the 2nd is 34", and if applicable, 3rd is 36". (If using 3 per tread, substitute a 39" for the 3rd baluster under each landing fitting assembly (gooseneck). 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".	51,53		
19 RAKE BALUSTERS FOR KNEEWALL STAIR	"LJ-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	43-55		
	"S-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	51,53		
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). Place on 4"-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.	43-55		
	"S-" Series Balusters: Use the 36" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. Place on 4"-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.	51,53		
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 82		
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.	83 43-55 82		
23 HANDRAIL FITTINGS (Landing Fitting Components)	Match each corner of the floor plan to a corresponding plan on pages 77-78. Specify each Connect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	77-78		
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.	75-76		
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 boerail.	85		
28 BRACKETS (Open Stairs)	Select one bracket for each tread, (if desired).	81		
29 HARDWARE	See pages 83-85 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.	83-85		

### 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 false mounted. (see "Longest Utility Newel" for application 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 (65")	Use this newel for intermediate landings with 2-winder treads
Intermediate Landing Newel (73")	Use this newel for intermediate landings with 3-winder treads

# 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 32" minimum/36" maximum 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	<b>SKIRTBOARD</b> 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.	80		
2	<b>STARTING STEP</b> For use with volutes and turnouts. Select a single or double bullnose starting step matching your floor plan to those shown on page 79. 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 81.	79,81		
3	<b>TREADS</b> Select one tread for each step (except the starting step). For a stair open on one side order miter-returned (MR1) and add 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 81.	80-81		
4	<b>RISERS</b> 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 81.	80-81		
5	<b>LANDING TREAD</b> 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.	80		
6	<b>COVE MOULD</b> 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.	80		
<b>BALUSTRADE</b>				
7	<b>STARTING FITTING</b> 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.	73-74		
8	<b>IRON NEWEL</b> Iron newels can only be used as starting newels at the bottom of the stairway because they require a starting step for installation. If handrail and balusters will be installed on both sides, two of these newels will be needed. See steps #9, #10 & #11 below if using wood newels as the starting newels.	68		
9	<b>WOOD PIN NEWEL</b> 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	<b>WOOD UTILITY NEWEL (43")</b> 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	<b>WOOD UTILITY NEWEL (50")</b> 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	<b>WOOD INTERMEDIATE LANDING NEWEL</b> Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 65" intermediate landing newel in 2-winder landing situations. Use the 73" intermediate landing newel in 3-winder situations.	44-55		
13	<b>WOOD LEVEL RUN NEWEL</b> 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	<b>WOOD HALF NEWEL OR ROSETTES</b> Select the half-newel of the same style as the other full newels selected on the balcony. 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).	44-55 81		
16	<b>NEWEL MOUNTING HARDWARE</b> Select an Iron Newel Mounting Kit for each iron newel being used. Select one of the newel mounting kits for each wood newel post being used.	68 84		
17	<b>IRON BALUSTERS FOR VOLUTES AND TURNOUTS</b> 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.	57-67		
18	<b>IRON BALUSTERS FOR STARTING EASING WITH CAP</b> Use one iron baluster under each Starting Easing with Cap.	57-67		
19	<b>RAKE IRON BALUSTERS FOR OPEN TREAD STAIR</b> Use two or three iron balusters per tread. While not necessary, an alternating pattern is frequently desired. When using two balusters per tread, please check building codes for baluster spacing compliance. Note: Scroll style balusters cannot be used three per tread.	57-67		
20	<b>RAKE IRON BALUSTERS FOR KNEEWALL STAIR</b> Select iron balusters at a rate of three per tread placed on 4" to 6" centers. 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	<b>LEVEL RUN IRON BALUSTERS</b> Place iron balusters on 4"-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. While not necessary, an alternating pattern is frequently desired.	57-67		
22	<b>HANDRAIL</b> 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 82		
23	<b>WALL RAIL</b> 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.	83 43-55 82		
24	<b>HANDRAIL FITTINGS (Landing Fitting Components)</b> Match each corner of the floor plan to a corresponding plan on pages 77-78. Specify each Conect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	77-78		
25	<b>HANDRAIL FITTINGS (Miscellaneous Components)</b> 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.	75-76		
26	<b>BOTTOM BALUSTER COLLARS</b> Select one bottom baluster collar for each baluster. See descriptions for applications.	57-67		
27	<b>TOP BALUSTER COLLARS</b> Select one top baluster collar for each baluster (if desired). See descriptions for applications.	57-67		
28	<b>IRON BALUSTER ACCESSORIES</b> If using PLA44 balusters, select the appropriate number of adjustable knuckles (if desired). If medallion balusters are being used, select the corresponding number of medallions (if desired).	58,60		
29	<b>BRACKETS (Open Stairs)</b> Select one bracket for each tread, (if desired).	81		
30	<b>IRON BALUSTER EPOXY</b> Select construction epoxy for installing the iron balusters.	71		
31	<b>HARDWARE</b> See pages 83-85 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.	83-85		

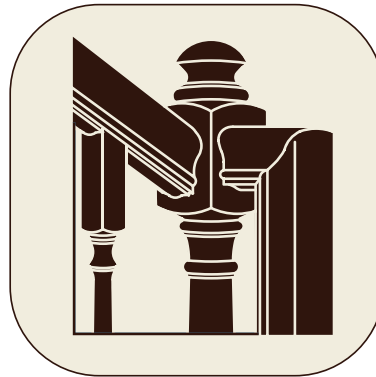
Over the Post



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- ▶ Browse and select products (Catalogs Products & Search)
- ▶ Inspirational idea gathering (Catalogs Products Photo Gallery, Stair Designer)
- ▶ Visualize style combinations on a stairway (Photo Gallery, Stair Designer)
- ▶ Research products (Catalogs Products Search)
  - ▶ Explore styles
  - ▶ Find available materials
  - ▶ Get specifications
  - ▶ Learn what products work together
- ▶ Assembly details (Installation Guides)

*Catalogs & Installation Guides*



*Products (Details & Specifications)*



*Product Search*



*Stair Designer*



*Photo Gallery*



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We offer a comprehensive array of marketing literature to assist in selling our products, as well as literature designed for training.



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