L. J. Smith®
stair systems

Open up to Inspiration!

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

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

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

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

The following decade offered tremendous growth opportunities for the company. The rising demand for our circular stairways and stair parts lead to the construction of a new and much larger manufacturing facility located near Bowerston, Ohio, in 1989.

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

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

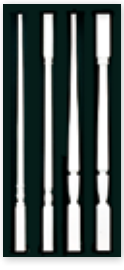
Today, L.J. Smith is the largest stair parts manufacturing company in the country. Our continued growth over the past several decades is clearly a result of our leadership role in developing and taking to market new and innovative products & techniques. We have patents or patents pending on nearly two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

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

1983

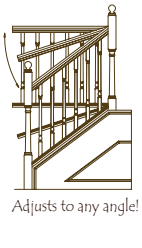
L.J. Smith literature features the "systems" concept that makes selecting compatible stair parts easy.

1988



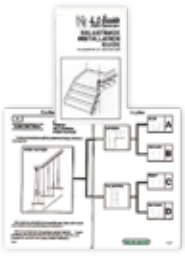
Pre-primed wood balusters were first offered to the market by L.J. Smith.

1990



RailPro preassembled, adjustable railing system was introduced. Also, our full line of stair parts were offered in cherry.

1991



Published a comprehensive and systematic step-by-step stairway installation guide designed to be specific to the user's stair design, unlike others that just contain general information.

1992

Introduction of a complete line of stairway installation tools and hardware designed specifically for stair installers.

1993

AccuStair design and takeoff software was made available to provide efficient and accurate stairway information.

1994

This was a big year for us. We introduced our Patented line of Conect-A-Kit Handrail Fittings and completely reengineered our entire stair parts offering for improved stairway installations.

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

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

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

Connect with us!

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

Table of Contents

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.

2015

New modern Linear Collection featuring stainless steel cable and tube infills with predrilled and precut newels.

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

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

Conect-A-Kit® 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	Traditional Fittings
 Conect-A-Kit fittings are bolted to the newel posts for a very secure stair system.	 Finish nails are typically used for securing traditional fittings to newel posts. However, we recommend using our Mr. Grip perforated strips.
 Goosenecks are assembled using lag bolts for stronger connections.	 Traditional gooseneck fittings are assembled with clamp nails.
 The completed assembly reveals no holes, putty or plugs to mar the beauty of the stairway because all of the installation hardware is concealed.	 Utilize clamp nails, rail bolts and wood plugs for installation.

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	"S-" 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 turned wooden pin inserts into drilled holes on the treads and/or landing.
The hardware is totally concealed so there will be no unsightly marks from installing the balusters. 	Adhesive and finish nails are typically used for installation to fasten the balusters to the treads. 
 The turning detail flows with the handrail.	 The detail at the bottom of the baluster flows with the treads.

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

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

Photo Portfolio

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

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

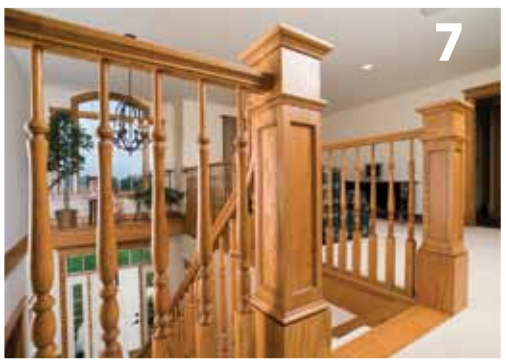
1 LJC-5360 Balusters, LJ-4094 Box Newels and LJ-6210P Plowed Handrail

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 LJ-5300 Wood Balusters, LI-1TW44 & LI-50144 Iron Balusters, LJ-4091 Box Newel and 6519 Handrail

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

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.

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


LJ-6V10P


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

1¾" PIN TOP BALUSTERS

Harbor Collection — Pages: 19, 43
Briarcliffe Collection — Pages: 21, 45
Regent Collection — Pages: 25, 49
Harmony Collection — Pages: 27, 51
Colony Collection — Page: 30
Clean Collection — See Page 33 for compatible handrails

NON-PLOWED HANDRAILS


LJ-6010 LJ-6109

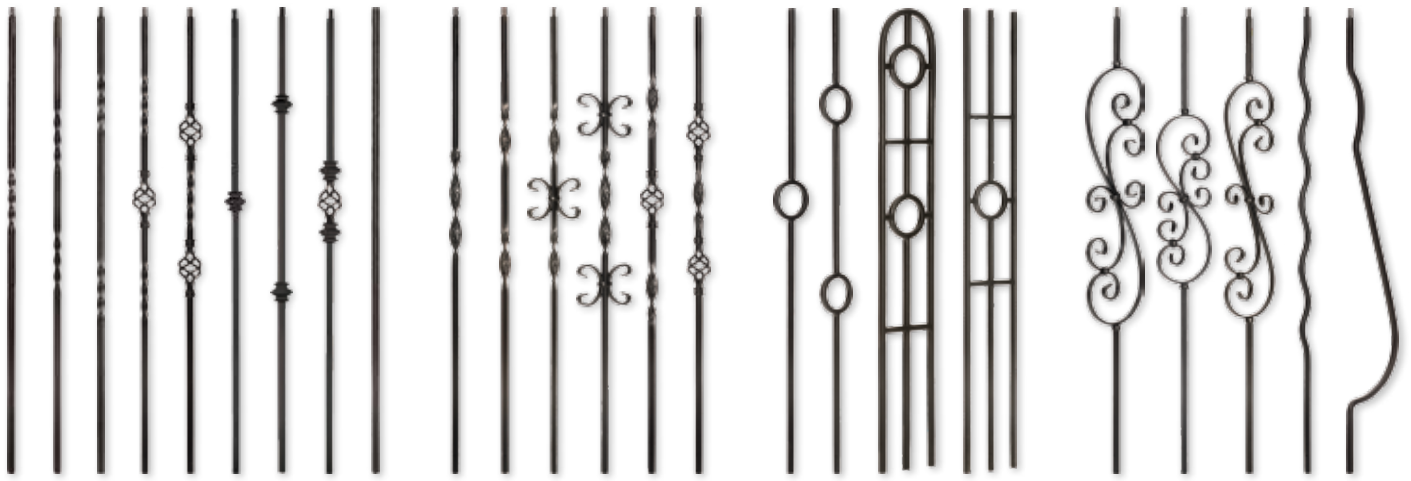

LJ-6601 LJ-6A10 LJ-6B10

1¼" PIN TOP BALUSTERS

LaSalle Collection — Pages: 23, 47
Classic Collection — Pages: 29, 55
Cornerstone Collection — Pages: 31, 53
Crisp Collection — Page: 34

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

ORNAMENTAL IRON BALUSTERS



Horizon Collection — Pages: 57, 58, 67
Ribbon Collection — Page: 59
Hoop Collection — Page: 60
Finesse Collection — Page: 61, 67

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

1¾" 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

PLOWED HANDRAILS

LJ-6010P

LJ-6109P0 LJ-6601P

LJ-6A10P0 LJ-6B10P0

1¼" SQUARE TOP BALUSTERS

LaSalle Collection — Pages: 23, 47

Classic Collection — Pages: 29, 55

Cornerstone Collection — Pages: 31, 53

NON-PLOWED HANDRAILS AND PLOWED HANDRAILS

LJ-6000 LJ-6001

LJ-6002

LJ-6003 LJ-6203

1¾" SQUARE BALUSTERS

Clean Collection — Page: 33

1¼" SQUARE BALUSTERS

Crisp Collection — Page: 34

More styles available on pages 33-34

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

ORNAMENTAL IRON BALUSTERS

Pummel Collection — Page: 62

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

Harbor
Collection
Page: 20

Briarcliffe
Collection
Page: 22

LaSalle
Collection
Page: 24

Regent
Collection
Page: 26

Harmony
Collection
Page: 28

Classic
Collection
Page: 29

Colony
Collection
Page: 30

OVER THE POST STYLES

Harbor
Collection
Page: 44

Briarcliffe
Collection
Page: 46

LaSalle
Collection
Page: 48

Regent
Collection
Page: 50

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

POST TO POST STYLES

Cornerstone
Collection
Page: 32

Clean
Collection
Page: 33

Crisp
Collection
Page: 34

Heirloom
Collection
Page: 36-41

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

OVER THE POST STYLES

Harmony
Collection
Page: 52

Classic
Collection
Page: 55

Cornerstone
Collection
Page: 54

Iron
Collection
Page: 68

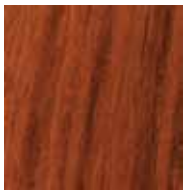
Our Wood Species

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

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

Alder

Beech



Brazilian Cherry

Cherry

Genuine Mahogany

Hard Maple

Hemlock

Hickory

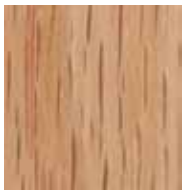
Maple

Poplar

Primed

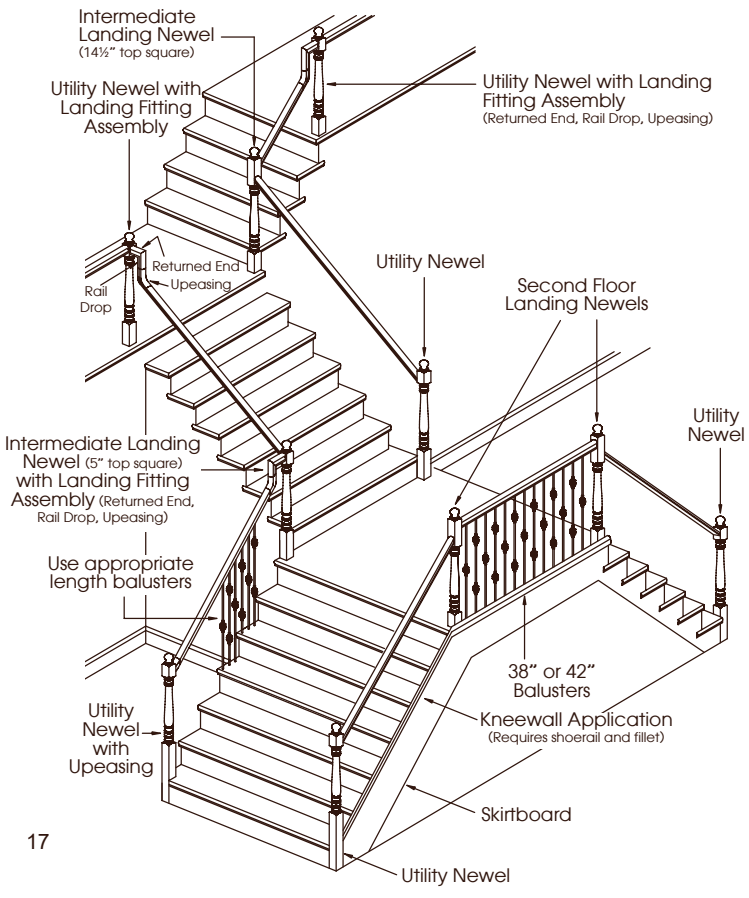
Red Oak

Walnut

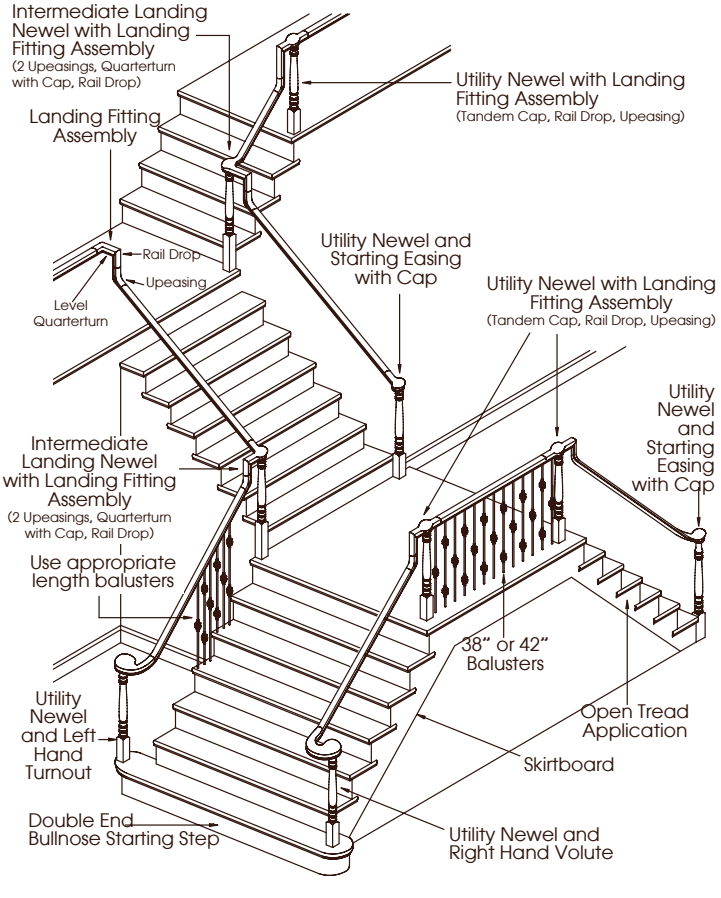


White Oak

Anatomy of a Post to Post System



Anatomy of an Over the Post System



Post to Post Systems

L.J. Smith stair systems

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

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

Non-Plowed Handrails and Pin Top Balusters


LJ-6109

LJ-6210


LJ-6400


LJ-6519


LJ-6701


LJ-6900


LJ-6A10


LJ-6B10

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


LJB-2915 Beaded


LJF-2915 Fluted


LJP-2915

Shoerail & Fillet


LJ-6007


LJ-6006

Plowed Handrails and Square Top Balusters


LJ-6005


LJ-6109P1


LJ-6210P


LJ-6400P


LJ-6519P


LJ-6900P


LJ-6A10P1


LJ-6B10P1

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


LJB-2905 Beaded


LJF-2905 Fluted


LJP-2905

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 5/16" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)
LJ-6109	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A
LJ-6109P1	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)
LJ-6210	2 3/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 5/8" (67 mm)	2 5/8" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 5/8" (67 mm)	2 5/8" (67 mm)	1 3/4" (44 mm)
LJ-6701	2 1/8" (54 mm)	2 3/4" (70 mm)	1 5/8" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 5/8" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 15/16" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3 1/16" (79 mm)	1 3/4" (44 mm)
LJ-6007	5/16" (8 mm)	1 3/4" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2905-34	6 1/2" (165 mm)	21 1/16" (535 mm)	6 7/16" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
2905-38	6 1/2" (165 mm)	21 1/16" (535 mm)	10 7/16" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
2905-42	6 1/2" (165 mm)	21 1/16" (535 mm)	14 7/16" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
2915-34	N/A	27 9/16"* (700 mm)	6 7/16" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
2915-38	N/A	27 9/16"* (700 mm)	10 7/16" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
2915-42	N/A	27 9/16"* (700 mm)	14 7/16" (367 mm)	1 3/4" (44 mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
3940	5 7/16" (138 mm)	5" (127 mm)	23 1/16" (586 mm)	14 1/4" (362 mm)	3 1/4" (83 mm)	48" (1219 mm)
3942	5 7/16" (138 mm)	5" (127 mm)	23 1/16" (586 mm)	24 1/4" (616 mm)	3 1/4" (83 mm)	58" (1473 mm)
Second Floor Landing Newel						
3945	5 7/16" (138 mm)	11" (279 mm)	19 1/2" (495 mm)	21 3/4" (552 mm)	3 1/4" (83 mm)	58" (1473 mm)
Intermediate Landing Newels						
3946	5 7/16" (138 mm)	14 1/2" (368 mm)	16" (406 mm)	36 3/4" (933 mm)	3 1/4" (83 mm)	73" (1854 mm)
3958	5 7/16" (138 mm)	5" (127 mm)	23 1/16" (586 mm)	44 1/4" (1124 mm)	3 1/4" (83 mm)	78" (1981 mm)

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

Newel Posts

Newel Drop

LJ-4099A

LJB-3940
LJB-3942
LJB-3958†

LJB-3945

LJB-3946

Beaded Option

LJF-3940
LJF-3942
LJF-3958†

LJF-3945

LJF-3946

Fluted Option

LJP-3940
LJP-3942
LJP-3958†

LJP-3945

LJP-3946

Box Newels

Consider box newels for your stairway from our Heirloom 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


LJ-6109

LJ-6210


LJ-6400


LJ-6519


LJ-6701


LJ-6900


LJ-6A10


LJ-6B10

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.


LJF-2115
Fluted


LJP-2115


LJ-2111

Shoerail & Fillet


LJ-6007


LJ-6006

Plowed Handrails and Square Top Balusters


LJ-6005


LJ-6109P1


LJ-6210P


LJ-6400P


LJ-6519P


LJ-6900P


LJ-6A10P1


LJ-6B10P1

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


LJF-2105
Fluted


LJP-2105

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 5/16" (59 mm)	2½" (64 mm)	2½" (64 mm)	1¾"(44 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾"(44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾"(44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾"(44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾"(44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16"(49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16"(49 mm)	1¾"(44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾"(44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾"(44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2105-34	6½"(165 mm)	19⅛" (486 mm)	8⅜"(213 mm)	1¾" (44 mm)	34" (864 mm)
2105-38	6½"(165 mm)	19⅛" (486 mm)	12⅜"(314 mm)	1¾" (44 mm)	38" (965 mm)
2105-42	6½"(165 mm)	19⅛" (486 mm)	16⅜"(416 mm)	1¾" (44 mm)	42" (1067 mm)
2111-34	N/A	25⅝"*(651 mm)	8⅜"(213 mm)	1¾" (44 mm)	34" (864 mm)
2111-38	N/A	25⅝"*(651 mm)	12⅜"(314 mm)	1¾" (44 mm)	38" (965 mm)
2111-42	N/A	25⅝"*(651 mm)	16⅜"(416 mm)	1¾" (44 mm)	42" (1067 mm)
2115-34	N/A	25 9/16"*(642 mm)	8 7/16"(214 mm)	1¾" (44 mm)	34" (864 mm)
2115-38	N/A	25 9/16"*(642 mm)	12 7/16"(316 mm)	1¾" (44 mm)	38" (965 mm)
2115-42	N/A	25 9/16"*(642 mm)	16 7/16"(418 mm)	1¾" (44 mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
3340	5" (127 mm)	5" (127 mm)	23" (584 mm)	14½"(368 mm)	3½" (89 mm)	48"(1219 mm)
3342	5" (127 mm)	5" (127 mm)	23" (584 mm)	24½"(622 mm)	3½" (89 mm)	58"(1473 mm)
Second Floor Landing Newel						
3345	5" (127 mm)	11" (279 mm)	19½"(495 mm)	22" (558 mm)	3½" (89 mm)	58"(1473 mm)
Intermediate Landing Newels						
3346	5" (127 mm)	14½" (368 mm)	16½"(419 mm)	36½"(927 mm)	3½" (89 mm)	73"(1854 mm)
3358	5" (127 mm)	5" (127 mm)	23" (584 mm)	44½"(1130 mm)	3½" (89 mm)	78"(1981 mm)

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

Newel Posts

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

Newel Drop

LJ-4299A

LJF-3340
LJF-3342
LJF-3358†

LJF-3345

LJF-3346

Fluted Option

LJP-3340
LJP-3342
LJP-3358†

LJP-3345

LJP-3346

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)*

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


LJ-6010 LJ-6109


LJ-6601 LJ-6A10


LJ-6B10


LJF-2415 Fluted LJP-2415 LJ-2011

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

Shoerail & Fillet


LJ-6050 LJ-6045

Plowed Handrails and Square Top Balusters


LJ-6010P LJ-6109P0


LJ-6601P LJ-6A10P0


LJ-6B10P0


LJF-2405 Fluted LJP-2405

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	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64 mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2011-34	N/A	25⁹⁄₁₆"*(642 mm)	8⁷⁄₁₆"(214 mm)	1¼" (32 mm)	34" (864 mm)
2011-38	N/A	25⁹⁄₁₆"*(642 mm)	12⁷⁄₁₆"(316 mm)	1¼" (32 mm)	38" (965 mm)
2011-42	N/A	25⁹⁄₁₆"*(642 mm)	16⁷⁄₁₆"(418 mm)	1¼" (32 mm)	42" (1067 mm)
2405-34	6⁹⁄₁₆"(167 mm)	19¹⁄₁₆" (484 mm)	8⅜"(213 mm)	1¼" (32 mm)	34" (864 mm)
2405-38	6⁹⁄₁₆"(167 mm)	19¹⁄₁₆" (484 mm)	12⅜"(314 mm)	1¼" (32 mm)	38" (965 mm)
2405-42	6⁹⁄₁₆"(167 mm)	19¹⁄₁₆" (484 mm)	16⅜"(416 mm)	1¼" (32 mm)	42" (1067 mm)
2415-34	N/A	25½"*(648 mm)	8½"(216 mm)	1¼" (32 mm)	34" (864 mm)
2415-38	N/A	25½"*(648 mm)	12½"(318 mm)	1¼" (32 mm)	38" (965 mm)
2415-42	N/A	25½"*(648 mm)	16½"(419 mm)	1¼" (32 mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
3240	5" (127 mm)	5" (127 mm)	23" (584 mm)	14½"(368 mm)	3" (76 mm)	48"(1219 mm)
3242	5" (127 mm)	5" (127 mm)	23" (584 mm)	24½"(622 mm)	3" (76 mm)	58"(1473 mm)
Second Floor Landing Newel						
3245	5" (127 mm)	11" (279 mm)	19½"(495 mm)	22" (558 mm)	3" (76 mm)	58"(1473 mm)
Intermediate Landing Newels						
3246	5" (127 mm)	14½" (368 mm)	16½"(419 mm)	36½"(927 mm)	3" (76 mm)	73"(1854 mm)
3258	5" (127 mm)	5" (127 mm)	23" (584 mm)	44½"(1130 mm)	3" (76 mm)	78"(1981 mm)

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

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

Pictured Right: LJ-2011 Balusters.

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

Newel Posts

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

Newel Drop

LJ-4099A

LJF-3240
LJF-3242
LJF-3258†

LJF-3245

LJF-3246

Fluted Option

LJP-3240
LJP-3242
LJP-3258†

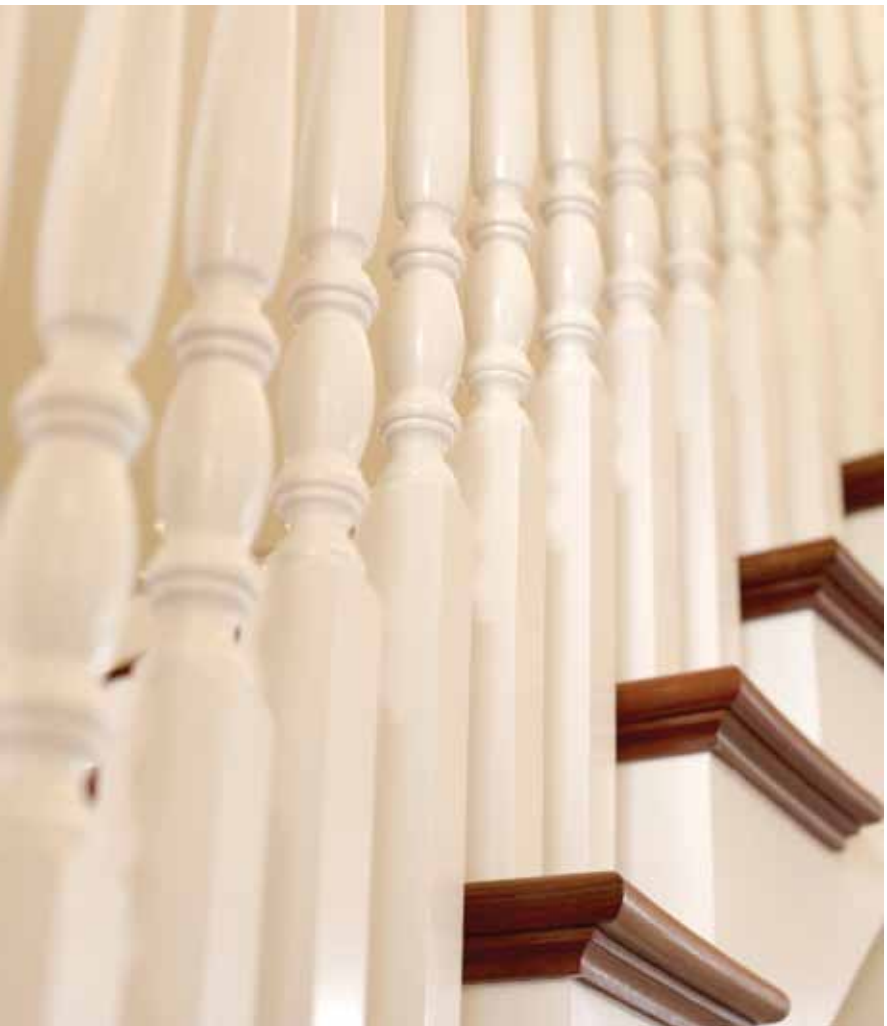
LJP-3245

LJP-3246

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


LJ-6109

LJ-6210


LJ-6400


LJ-6519


LJ-6701


LJ-6900


LJ-6A10


LJ-6B10

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.


LJP-20158 Octagonal

LJT-2015 Twisted

LJF-2015 Fluted

LJP-2015

Shoerail & Fillet


LJ-6007


LJ-6006

Plowed Handrails and Square Top Balusters


LJ-6005


LJ-6109P1


LJ-6210P


LJ-6400P


LJ-6519P


LJ-6900P


LJ-6A10P1


LJ-6B10P1

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.


LJP-20058 Octagonal

LJT-2005 Twisted

LJF-2005 Fluted

LJP-2005

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 5/16" (59 mm)	2½" (64 mm)	2½" (64 mm)	1¾"(44 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾"(44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾"(44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾"(44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾"(44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16"(49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16"(49 mm)	1¾"(44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾"(44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾"(44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2005(8)-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¾" (44 mm)	34" (864 mm)
2005(8)-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¾" (44 mm)	38" (965 mm)
2005(8)-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¾" (44 mm)	42" (1067 mm)
2015(8)-34	N/A	28"* (711 mm)	6" (152 mm)	1¾" (44 mm)	34" (864 mm)
2015(8)-38	N/A	28"* (711 mm)	10" (254 mm)	1¾" (44 mm)	38" (965 mm)
2015(8)-42	N/A	28"* (711 mm)	14" (356 mm)	1¾" (44 mm)	42" (1067mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
3040(8)	4¾" (121 mm)	5" (127 mm)	23" (584 mm)	15" (381 mm)	3½" (89 mm)	48"(1219 mm)
3042(8)	4¾" (121 mm)	5" (127 mm)	23" (584 mm)	25" (635 mm)	3½" (89 mm)	58"(1473 mm)
Second Floor Landing Newel						
3045(8)	4¾" (121 mm)	11" (279 mm)	19½"(495 mm)	22" (558 mm)	3½" (89 mm)	58"(1473 mm)
Intermediate Landing Newels						
3046(8)	4¾" (121 mm)	14½" (368 mm)	16" (406 mm)	37" (939 mm)	3½" (89 mm)	73"(1854 mm)
3058(8)	4¾" (121 mm)	5" (127 mm)	23" (584 mm)	45" (1143 mm)	3½" (89 mm)	78"(1981 mm)

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

Newel Posts

Newel Drop

LJ-4299A

LJP-30408
LJP-30428
LJP-30588†

LJP-30458

LJP-30468

Octagonal Option

LJT-3040
LJT-3042
LJT-3058†

LJT-3045

LJT-3046

Twisted Option

LJF-3040
LJF-3042
LJF-3058†

LJF-3045

LJF-3046

Fluted Option

LJP-3040
LJP-3042
LJP-3058†

LJP-3045

LJP-3046

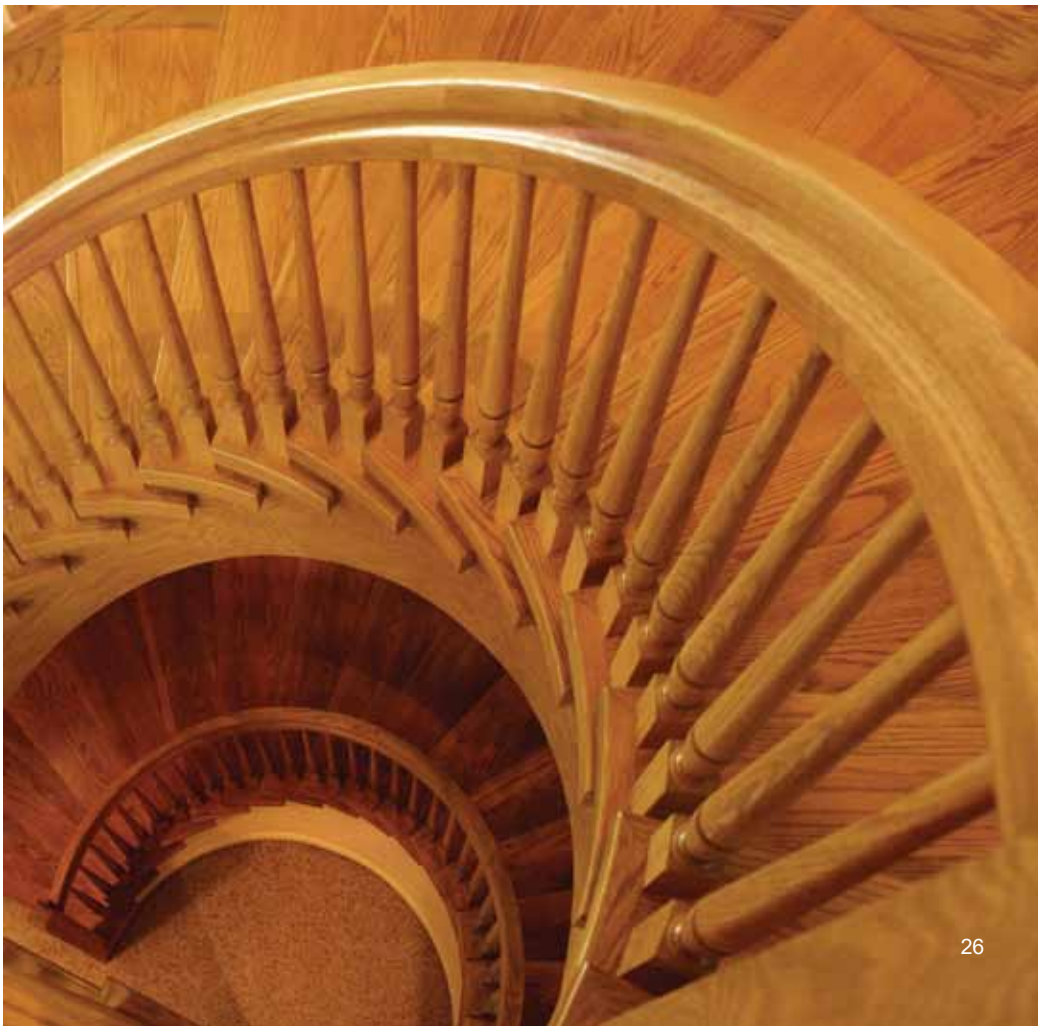
Box Newels

Consider box newels for your stairway from our Hierloom 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

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

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

Turning length varies by length

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

Shoerail & Fillet

LJ-6007 LJ-6006

Plowed Handrails and Square Top Balusters

LJ-6005 LJ-6109P1 LJ-6210P LJ-6400P LJ-6519P LJ-6900P LJ-6A10P1 LJ-6B10P1

LJ-50058 Octagonal LJ-5005 S-5105 Traditional 5 Lengths

Turning length varies by length

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 5/16" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)
LJ-6109	2 1/8" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A
LJ-6109P1	2 1/8" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)
LJ-6210	2 3/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 5/8" (67 mm)	2 5/8" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 5/8" (67 mm)	2 5/8" (67 mm)	1 3/4" (44 mm)
LJ-6701	2 1/8" (54 mm)	2 3/4" (70 mm)	1 5/8" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 5/8" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 15/16" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)
LJ-6007	5/16" (8 mm)	1 3/4" (44 mm)	N/A

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

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

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

Product Dimensions

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

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

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

Newel Posts

Newel Drop

LJ-4299A

LJ-45008
LJ-45048
LJ-45588†

LJ-45038

LJ-45058

Octagonal Option

LJ-4500
LJ-4504
LJ-4558†

LJ-4503

LJ-4505

LJ-3513PT

LJ-4004
LJ-4005
LJ-4006

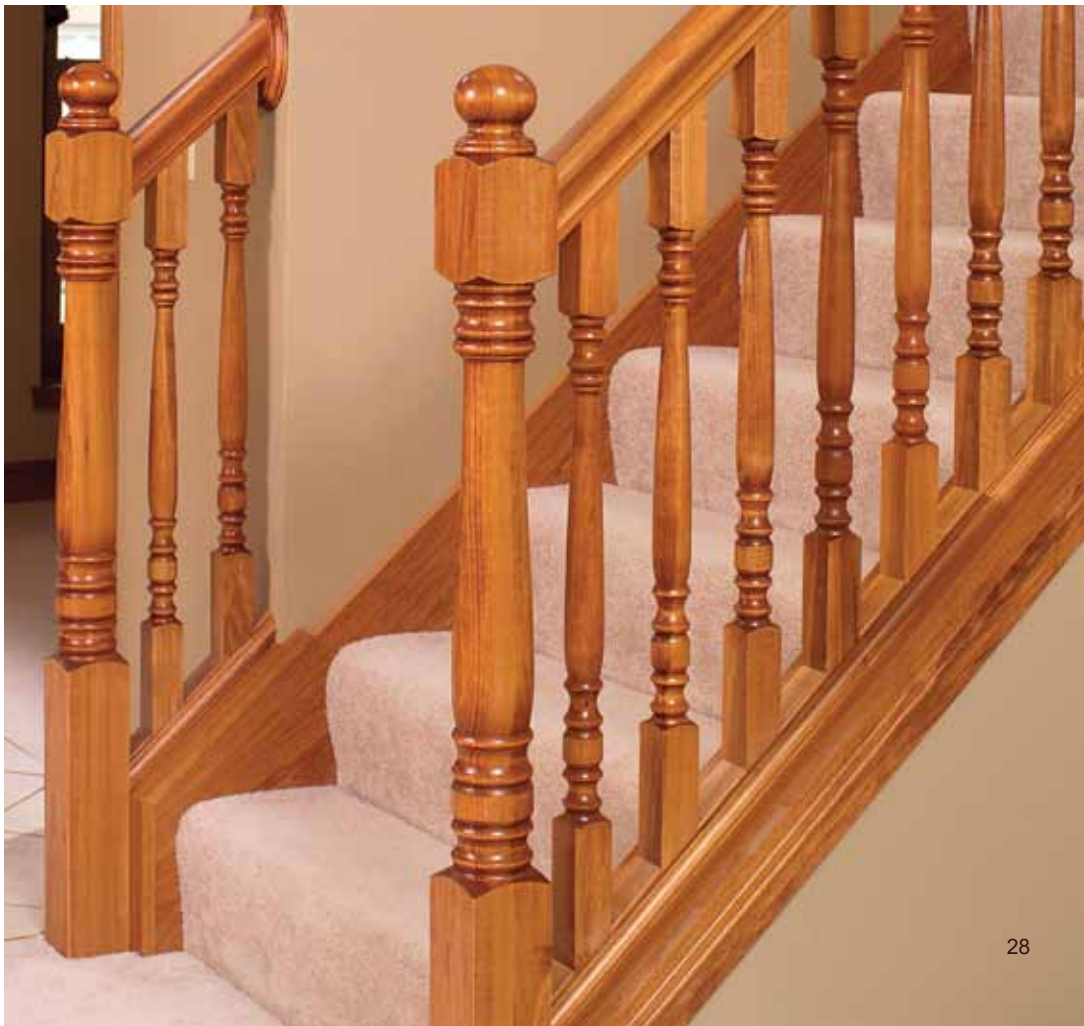
LJ-4004COL
LJ-4005COL
LJ-4006COL

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

Box Newels

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

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



Classic Collection

Post to Post

Non-Plowed Handrails and Pin Top Balusters


LJ-6010

LJ-6109


LJ-6601


LJ-6A10


LJ-6B10


LJ-5200

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

Shoerail & Fillet


LJ-6050


LJ-6045

Plowed Handrails and Square Top Balusters


LJ-6010P


LJ-6109P0


LJ-6601P


LJ-6A10P0


LJ-6B10P0


LJ-5004

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

Newel Posts

Newel Drop


LJ-4099A


LJ-4600
LJ-4604
LJ-4658†


LJ-4603


LJ-4605


LJ-3513PT

Box Newels

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

Balusters on this page are pre-drilled with a 9/32"(7 mm) diameter hole at least 3"(76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 85 (sold separately).

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

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6010	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5004ND-31‡	5⅞" (149 mm)	16⅝" (422 mm)	8½" (216 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5004-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5004-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5004-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)
LJ-5200-34	N/A	27"* (686 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5200-38	N/A	27"* (686 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5200-42	N/A	27"* (686 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067 mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4600	3⁷⁄₁₆"(87 mm)	5" (127 mm)	23" (584 mm)	16¼" (413 mm)	3" (76 mm)	48"(1219 mm)
LJ-4604	3⁷⁄₁₆"(87 mm)	5" (127 mm)	23" (584 mm)	26¼" (668 mm)	3" (76 mm)	58"(1473 mm)
Second Floor Landing Newel						
LJ-4603	3⁷⁄₁₆"(87 mm)	11" (279 mm)	19½"(495 mm)	23¾" (603 mm)	3" (76 mm)	58"(1473 mm)
Intermediate Landing Newels						
LJ-4605	3⁷⁄₁₆"(87 mm)	14½" (368 mm)	16" (406 mm)	38¾"(984 mm)	3" (76 mm)	73"(1854 mm)
LJ-4658	3⁷⁄₁₆"(87 mm)	5" (127 mm)	23" (584 mm)	46¼" (1175 mm)	3" (76 mm)	78"(1981 mm)
Rake Newel						
LJ-3513PT	N/A	N/A	27¹³⁄₁₆"(706 mm)	20³⁄₁₆"(513 mm)	3" (76 mm)	48"(1219 mm)

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

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

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

Colony Collection

L.J. Smith stair systems

Post to Post

Non-Plowed Handrails and Pin Top Balusters


LJ-6V10


LJ-6210


LJ-6519


LJ-6900


LJ-5V15


LJ-5V35

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

Shoerail & Fillet


LJ-6007


LJ-6006

Plowed Handrails and Square Top Balusters


LJ-6V10P


LJ-6210P


LJ-6519P


LJ-6900P


LJ-5V05


LJ-5V25

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

Newel Posts


LJ-4V40-5.0
LJ-4V42-5.0
LJ-4V58-5.0†

Box Newels

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

Balusters on this page are pre-drilled with a 9/32"(7 mm) diameter hole at least 3"(76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 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" (64 mm)	2⅝" (67 mm)	2½" (64 mm)	N/A
LJ-6V10P	2½" (64 mm)	2⅝" (67 mm)	2½" (64 mm)	1¾" (44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾" (44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾" (44 mm)
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	1¾" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5V05-34	6 9/16" (166 mm)	20 5/16" (516 mm)	7⅛" (181 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5V05-38	6 9/16" (166 mm)	20 5/16" (516 mm)	11⅛" (283 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5V05-42	6 9/16" (166 mm)	20 5/16" (516 mm)	15⅛" (384 mm)	1¾" (44 mm)	42" (1067 mm)
LJ-5V15-34	N/A	26⅞"* (682 mm)	7⅛" (181 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5V15-38	N/A	26⅞"* (682 mm)	11⅛" (283 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5V15-42	N/A	26⅞"* (682 mm)	15⅛" (384 mm)	1¾" (44 mm)	42" (1067mm)
LJ-5V25-34	6 9/16" (166 mm)	20 5/16" (516 mm)	7⅛" (181 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5V25-38	6 9/16" (166 mm)	20 5/16" (516 mm)	11⅛" (283 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5V25-42	6 9/16" (166 mm)	20 5/16" (516 mm)	15⅛" (384 mm)	1¾" (44 mm)	42" (1067 mm)
LJ-5V35-34	N/A	26⅞"* (682 mm)	7⅛" (181 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5V35-38	N/A	26⅞"* (682 mm)	11⅛" (283 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5V35-42	N/A	26⅞"* (682 mm)	15⅛" (384 mm)	1¾" (44 mm)	42" (1067mm)

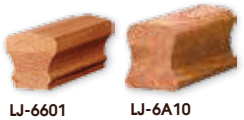
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4V40-5.0	5⅜" (137 mm)	5¼" (133 mm)	20½" (521 mm)	16⅜" (416 mm)	5" (127 mm)	48" (1219 mm)
LJ-4V42-5.0	5⅜" (137 mm)	5¼" (133 mm)	20½" (521 mm)	26⅜" (670 mm)	5" (127 mm)	58" (1473 mm)
Landing Newel						
LJ-4V58-5.0	5⅜" (137 mm)	5¼" (133 mm)	20½" (521 mm)	44⅜" (1127 mm)	5" (127 mm)	78" (1981 mm)

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

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

Non-Plowed Handrails and Pin Top Balusters

LJ-6010 LJ-6109



LJ-6601 LJ-6A10

LJ-6B10

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

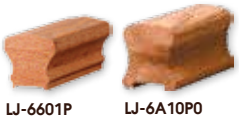
5015, LJ-5035 and 5040 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

Shoerail & Fillet

LJ-6050 LJ-6045

Plowed Handrails and Square Top Balusters

LJ-6010P LJ-6109P0



LJ-6601P LJ-6A10P0

LJ-6B10P0

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

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	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5015ND-31‡	N/A	22⅝"* (575 mm)	8⅜" (213 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5015-34	N/A	28"* (711 mm)	6" (152 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5015-38	N/A	28"* (711 mm)	10" (254 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5015-42	N/A	28"* (711 mm)	14" (356 mm)	1¼" (32 mm)	42" (1067 mm)
S-5015-31	N/A	22⅝"* (575 mm)	7⅝"* (193 mm)	1¼" (32 mm)	31" (787 mm)
S-5015-34	N/A	25⅝"* (651 mm)	7⅝"* (193 mm)	1¼" (32 mm)	34" (864 mm)
S-5015-36	N/A	27⅝"* (702 mm)	7⅝"* (193 mm)	1¼" (32 mm)	36" (914 mm)
S-5015-39	N/A	30⅝"* (778 mm)	7⅝"* (193 mm)	1¼" (32 mm)	39" (990 mm)
S-5015-42	N/A	33⅝"* (854 mm)	7⅝"* (193 mm)	1¼" (32 mm)	42" (1067 mm)
LJ-5035-34	N/A	28"* (711 mm)	6" (152 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5035-38	N/A	28"* (711 mm)	10" (254 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5035-42	N/A	28"* (711 mm)	14" (356 mm)	1¼" (32 mm)	42" (1067mm)
LJ-5040-34	N/A	34" (864 mm)	N/A	1⅛" Diam. (29 mm)	34" (864 mm)
LJ-5040-38	N/A	38" (965 mm)	N/A	1⅛" Diam. (29 mm)	38" (965 mm)
LJ-5040-42	N/A	42" (1067mm)	N/A	1⅛" Diam. (29 mm)	42" (1067mm)
S-5040-31	N/A	30¼" (768 mm)	N/A	1⅛" Diam. (29 mm)	31" (787 mm)
S-5040-34	N/A	33¼" (845 mm)	N/A	1⅛" Diam. (29 mm)	34" (864 mm)
S-5040-36	N/A	35¼" (895 mm)	N/A	1⅛" Diam. (29 mm)	36" (914 mm)
S-5040-39	N/A	38¼" (972 mm)	N/A	1⅛" Diam. (29 mm)	39" (990 mm)
S-5040-42	N/A	41¼" (1048 mm)	N/A	1⅛" Diam. (29 mm)	42" (1067 mm)
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)
S-5067-31	5¼" (133 mm)	19⅛" (486 mm)	5⅞" (149 mm)	1¼" (32 mm)	31" (787 mm)
S-5067-34	5⅞" (149 mm)	21½" (546 mm)	5⅞" (149 mm)	1¼" (32 mm)	34" (864 mm)
S-5067-36	5⅜" (136 mm)	24" (610 mm)	5⅞" (149 mm)	1¼" (32 mm)	36" (914 mm)
S-5067-39	5¼" (133 mm)	27⅛" (689 mm)	5⅞" (149 mm)	1¼" (32 mm)	39" (990 mm)
S-5067-42	7⅝" (194 mm)	27¾" (705 mm)	5⅞" (149 mm)	1¼" (32 mm)	42" (1067 mm)

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

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

Product Dimensions

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5141ND-31‡	5¼" (133 mm)	16¾" (425 mm)	9" (229 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)
S-5141-31	5¼" (133 mm)	16¾" (425 mm)	8¼" (210 mm)	1¼" (32 mm)	31" (787 mm)
S-5141-34	6¼" (159 mm)	18¾" (476 mm)	8¼" (210 mm)	1¼" (32 mm)	34" (864 mm)
S-5141-36	6¼" (159 mm)	20¾" (527 mm)	8¼" (210 mm)	1¼" (32 mm)	36" (914 mm)
S-5141-39	6¼" (159 mm)	23¾" (603 mm)	8¼" (210 mm)	1¼" (32 mm)	39" (990 mm)
S-5141-42	6¼" (159 mm)	26¾" (679 mm)	8¼" (210 mm)	1¼" (32 mm)	42" (1067 mm)

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

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4040	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	17" (431 mm)	3" (76 mm)	48"(1219 mm)
LJ-4042	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	27" (686 mm)	3" (76 mm)	58"(1473 mm)
LJ-4150	3¼" (95 mm)	5" (127 mm)	23" (584 mm)	16" (406 mm)	3" (76 mm)	48"(1219 mm)
LJ-4152	3¼" (95 mm)	5" (127 mm)	23" (584 mm)	26" (660 mm)	3" (76 mm)	58"(1473 mm)
LJ-4180	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	17" (431 mm)	3¼" (83 mm)	48"(1219 mm)
LJ-4182	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	27" (686 mm)	3¼" (83 mm)	58"(1473 mm)
Second Floor Landing Newel						
LJ-4045	2⅝" (67 mm)	11" (279 mm)	19½" (495 mm)	24½" (622 mm)	3" (76 mm)	58"(1473 mm)
LJ-4155	3¼" (95 mm)	11" (279 mm)	19½" (495 mm)	23½" (597 mm)	3" (76 mm)	58"(1473 mm)
LJ-4185	2⅝" (67 mm)	11" (279 mm)	19½" (495 mm)	24½" (622 mm)	3¼" (83 mm)	58"(1473 mm)
Intermediate Landing Newels						
LJ-4046	2⅝" (67 mm)	14½" (368 mm)	16" (406 mm)	39½" (1003 mm)	3" (76 mm)	73"(1854 mm)
LJ-4053	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	31" (787 mm)	3" (76 mm)	62"(1574 mm)
LJ-4055	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	42" (1067 mm)	3" (76 mm)	73"(1854 mm)
LJ-4058	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	47" (1193 mm)	3" (76 mm)	78"(1981 mm)
LJ-4156	3¼" (95 mm)	14½" (368 mm)	16" (406 mm)	38½" (978 mm)	3" (76 mm)	73"(1854 mm)
LJ-4168	3¼" (95 mm)	5" (127 mm)	23" (584 mm)	46" (1168 mm)	3" (76 mm)	78"(1981 mm)
LJ-4186	2⅝" (67 mm)	14½" (368 mm)	16" (406 mm)	39⅝" (1006 mm)	3¼" (83 mm)	73"(1854 mm)
LJ-4198	2⅝" (67 mm)	5" (127 mm)	23" (584 mm)	47" (1193 mm)	3¼" (83 mm)	78"(1981 mm)
Rake Newel						
LJ-4013PT	N/A	N/A	27" (686 mm)	16" (406 mm)	3" (76 mm)	43"(1029 mm)

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

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

Newel Posts

Newel Drop

LJ-4099A

LJ-4180
LJ-4182
LJ-4198†

LJ-4185

LJ-4186

LJ-4150
LJ-4152
LJ-4168†

LJ-4155

LJ-4156

LJ-4013PT

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

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

LJ-4045

LJ-4046

Box Newels

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

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

Handrails and Square Balusters


LJ-6001

LJ-6002*


LJ-6003*


LJ-6203*

Shoerail & Fillet


LJ-6007


LJ-6001S

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 1¾" handrail profiles shown in this catalog..


LJ-5360 S-5360 LJF-5360 Fluted LJC-5360 Chamfered LJ-5360V LJF-5360V Fluted LJC-5360V Chamfered

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

Non-Plowed Handrails and Round Balusters


LJ-6109


LJ-6210


LJ-6400


LJ-6519


LJ-6900


LJ-6A10


LJ-6B10

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.


LJ-5370 LJF-5370 Fluted

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

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 1¾" diameter hole to properly install the LJ-5370 or LJF-5370 balusters.


LJ-4000 LJ-4001 LJF-4000 LJF-4001 Fluted LJC-4000 LJC-4001 Chamfered

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6001	1⅜" (41 mm)	2¾" (70 mm)	2¾" (70 mm)	1¾" (44 mm)
LJ-6002	2¾" (70 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6003	5½" (140 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6203	5½" (140 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6001S	¾" (19 mm)	2½" (64 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ-5360	1¾" (44 mm) Square x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)				
S-5360	1¾" (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)	1¾" (44 mm) Square	34" (864 mm)
LJF-5360-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¾" (44 mm) Square	38" (965 mm)
LJF-5360-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¾" (44 mm) Square	42" (1067 mm)
LJC-5360-34	5⅞" (149 mm)	18⅛" (460 mm)	10" (254 mm)	1¾" (44 mm) Square	34" (864 mm)
LJC-5360-38	5⅞" (149 mm)	18⅛" (460 mm)	14" (356 mm)	1¾" (44 mm) Square	38" (965 mm)
LJC-5360-42	5⅞" (149 mm)	18⅛" (460 mm)	18" (457 mm)	1¾" (44 mm) Square	42" (1067 mm)
All 5360V-34	7¼" (184 mm)	19½" (495 mm)	7¼" (184 mm)	1¾" (44 mm) Square	34" (864 mm)
All 5360V-38	7¼" (184 mm)	19½" (495 mm)	11¼" (286 mm)	1¾" (44 mm) Square	38" (965 mm)
All 5360V-42	7¼" (184 mm)	19½" (495 mm)	15¼" (387 mm)	1¾" (44 mm) Square	42" (1067 mm)
LJ-5370	1¾" (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)	1¾" (44 mm) Round	34" (864 mm)
LJF-5370-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¾" (44 mm) Round	38" (965 mm)
LJF-5370-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¾" (44 mm) Round	42" (1067 mm)

Newel Posts:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
Utility Newels					
LJ-4000	N/A	N/A	N/A	3½" (89 mm)	48" (1219 mm)
LJF-4000	11½" (292 mm)	20" (508 mm)	16½" (419 mm)	3½" (89 mm)	48" (1219 mm)
LJC-4000	11½" (292 mm)	20" (508 mm)	16½" (419 mm)	3½" (89 mm)	48" (1219 mm)
Intermediate Landing Newels					
LJ-4001	N/A	N/A	N/A	3½" (89 mm)	58" (1473 mm)
LJF-4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3½" (89 mm)	58" (1473 mm)
LJC-4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3½" (89 mm)	58" (1473 mm)

Pictured Top Right: LJ-6001 Handrail, LJC-4000 Chamfered Newels and LJC-5360 Chamfered Balusters. **Pictured Bottom Right:** LJ-6210P Handrail, LJ-4091 Box Newels and LJ-5360V V-Groove Balusters

Handrails and Square Balusters

LJ-6000 LJ-6002*

LJ-6003* LJ-6203*

Shoerail & Fillet

LJ-6000F

LJ-6000S

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 1¼" handrail profiles shown in this catalog.

LJ-5060 S-5060 LJF-5060 Fluted LJC-5060 Chamfered LJ-5060V LJF-5060V Fluted LJC-5060V Chamfered

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

Non-Plowed Handrails and Round Balusters

LJ-6010 LJ-6109

LJ-6601 LJ-6A10

LJ-6B10

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

LJ-5070 LJF-5070 Fluted

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

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 1¼" diameter hole to properly install the LJ-5070 or LJF-5070 balusters.

LJ-4110 LJ-4111 LJF-4110 LJF-4111 Fluted LJC-4110 LJC-4111 Chamfered

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6000	1⅜" (41 mm)	2¾" (70 mm)	2¾" (70 mm)	1¼" (32 mm)
LJ-6002	2¾" (70 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6003	5½" (140 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6010	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6203	5½" (140 mm)	1⅜" (41 mm)	1⅜" (41 mm)	N/A
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6B10	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6000F	5⁄16" (8 mm)	1¼" (32 mm)	N/A
LJ-6000S	¾" (19 mm)	2½" (64 mm)	1¼" (32 mm)

Balusters:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ-5060	1¼" (32 mm) Square x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)				
S-5060	1¼" (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)	1¼" (32 mm) Square	34" (864 mm)
LJF-5060-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm) Square	38" (965 mm)
LJF-5060-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm) Square	42" (1067 mm)
LJC-5060-34	5⅞" (149 mm)	18⅛" (460 mm)	10" (254 mm)	1¼" (32 mm) Square	34" (864 mm)
LJC-5060-38	5⅞" (149 mm)	18⅛" (460 mm)	14" (356 mm)	1¼" (32 mm) Square	38" (965 mm)
LJC-5060-42	5⅞" (149 mm)	18⅛" (460 mm)	18" (457 mm)	1¼" (32 mm) Square	42" (1067 mm)
All 5060V-34	7¼" (184 mm)	19½" (495 mm)	7¼" (184 mm)	1¼" (32 mm) Square	34" (864 mm)
All 5060V-38	7¼" (184 mm)	19½" (495 mm)	11¼" (286 mm)	1¼" (32 mm) Square	38" (965 mm)
All 5060V-42	7¼" (184 mm)	19½" (495 mm)	15¼" (387 mm)	1¼" (32 mm) Square	42" (1067 mm)
LJ-5070	1¼" (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)	1¼" (32 mm) Round	34" (864 mm)
LJF-5070-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm) Round	38" (965 mm)
LJF-5070-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (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	11½" (292 mm)	20" (508 mm)	16½" (419 mm)	3" (76 mm)	48" (1219 mm)
LJC-4110	11½" (292 mm)	20" (508 mm)	16½" (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.

Heirloom Collection

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:

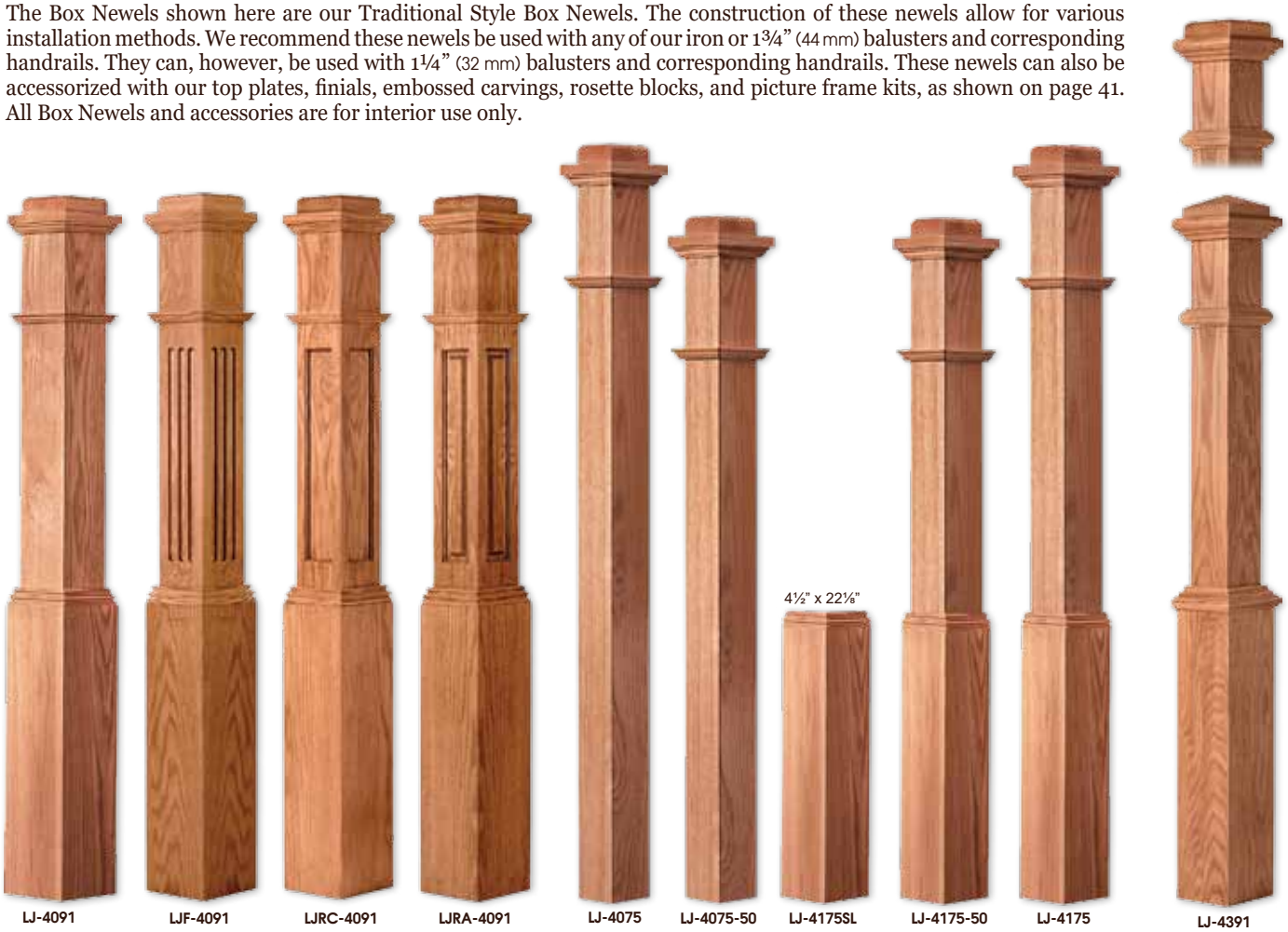
LJ-4091 Box Newels, LI-1BASK44 and LI-DBLTW44 Iron Balusters, LJ-6519 Handrail.

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 1¾" (44 mm) balusters and corresponding handrails. They can, however, be used with 1¼" (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.



LJ-4091 Box Newel

LJF-4091 Fluted Panel

LJRC-4091 Recessed Panel

LJRA-4091 Raised Panel

LJ-4075 Intermediate Box Newel

LJ-4075-50 Box Newel

LJ-4175SL Box Newel Sleeve

LJ-4175-50 Box Newel with Sleeve

LJ-4175 Box Newel with Sleeve

LJ-4391 Box Newel with Interchangeable Top Caps

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	1⅜" (35 mm)	1½" (38 mm)	¾" (19 mm)	1⅜" (35 mm)	6¼" (159 mm)	20¾" (527 mm)	23" (584 mm)	6¼" (159 mm)	55" (1397 mm)
LJ-4075	1⅜" (35 mm)	1½" (38 mm)	¾" (19 mm)	N/A	6¼" (159 mm)	N/A	46⅞" (1191 mm)	3½" (89 mm)	56" (1422 mm)
LJ-4075-50	1⅜" (35 mm)	1½" (38 mm)	¾" (19 mm)	N/A	6¼" (159 mm)	N/A	40⅛" (1019 mm)	3½" (89 mm)	50" (1270 mm)
LJ-4175	1⅜" (35 mm)	1½" (38 mm)	¾" (19 mm)	N/A	6¼" (159 mm)	23¾" (603 mm)	22⅛" (562 mm)	4½" (114 mm)	56" (1422 mm)
LJ-4175-50	1⅜" (35 mm)	1½" (38 mm)	¾" (19 mm)	N/A	6¼" (159 mm)	17⅝" (448 mm)	22⅛" (562 mm)	4½" (114 mm)	50" (1270 mm)
LJ-4391	1⅜" (35 mm) & 1¾" (19 mm)	1⅞" (48 mm)	1½" (38 mm)	1⅞" (48 mm)	5¼" (133 mm)	22⅜" (568 mm)	23¼" (591 mm)	5½" (140 mm)	54¼" (1378 mm)

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


Chamfered Top Cap


Flat Top Cap

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 ¾" (44 mm) wood balusters and corresponding handrails. They can, however, also be used with 1 ¼" (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

INTERMEDIATE BOX NEWELS

LJ-4092
Plain Panel

LJ-4093
Fluted Panel

LJ-4094
Recessed Panel

LJ-4095
Raised Panel

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" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4093	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4094	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4095	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4096*	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4097*	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	20" (508 mm)	7 1/2" (191 mm)	53 3/16" (1351 mm)
LJ-4392	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)
LJ-4393	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)
LJ-4394	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)
LJ-4395	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)
LJ-4396*	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)
LJ-4397*	2 3/16" (56 mm)	1 1/4" (32 mm)	1 1/4" (32 mm)	5 3/16" (132 mm)	23 3/16" (592 mm)	28 13/16" (732 mm)	4 1/4" (108 mm)	62" (1575 mm)

* This item is pictured on the following page

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

SAMPLES OF BOX NEWEL/INLAY COMBINATIONS

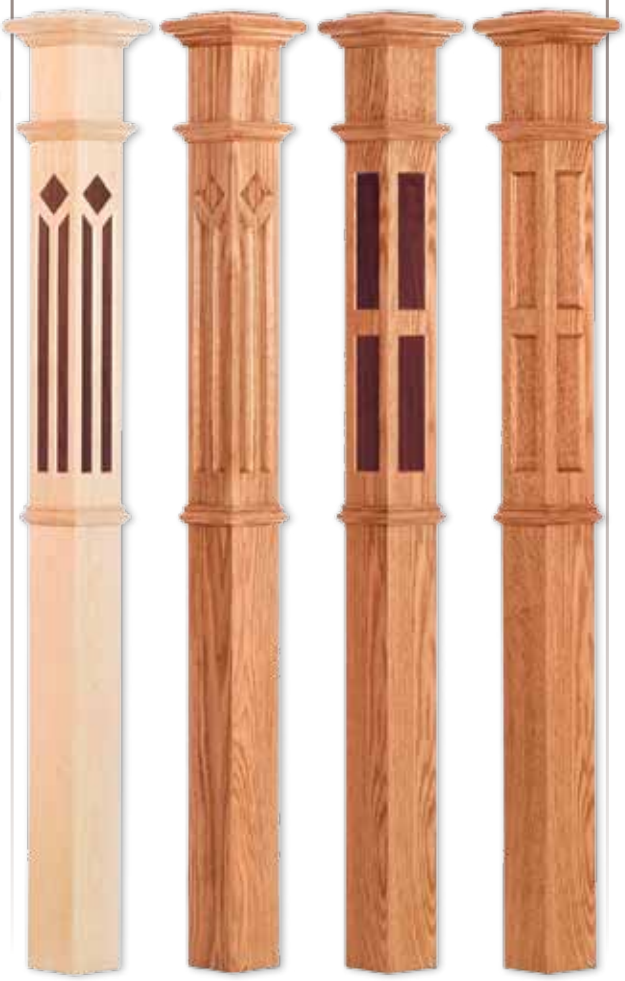
LJ-4096-MW
Maple Box Newel with Walnut Diamond & Trapezoid Inlay

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

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-4111SQ-PRG
S4S 3" x 58"

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

LJ-4000SQ-PRG
S4S 3½" x 48"

LJ-4001SQ-PRG
S4S 3½" x 58"

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

Product Dimensions			
Top Caps:	**Item Number**	**Width**	**Height**
	LJ-9011	4 15/16" (125 mm)	1 5/8" (41 mm)
	LJ-9012	5 7/16" (138 mm)	1 5/8" (41 mm)
	LJ-C4075	5" (127 mm)	2 7/8" (73 mm)
	LJ-C4091	6¼" (158 mm)	2 7/8" (73 mm)
Newel Bodies:	**Item Number**	**Width**	**Height**
	LJ-4110SQ	3" (76 mm)	48" (1219 mm)
	LJ-4111SQ	3" (76 mm)	58" (1473 mm)
	LJ-4000SQ	3½" (89 mm)	48" (1219 mm)
	LJ-4001SQ	3½" (89 mm)	58" (1473 mm)
	LJ-4075NC	3½" (89 mm)	54 3/64" (1381 mm)
	LJ-4091NC	6¼" (159 mm)	53 3/8" (1355 mm)
	LJF-4091NC	6¼" (159 mm)	53 3/8" (1355 mm)

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. Designed for a standard 4-9/16″ wall (2x4 & 1/2″ drywall construction). 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 Wideth
LJ-4098	2⅞" (73 mm)	6½" (165 mm)	¾" (19 mm)	44⅞" (1139 mm)	6⅛" (155 mm)	55" (1397 mm)	49⅝" (1260 mm)	4⅝" (117 mm)
LJ-4098SL	N/A	N/A	N/A	N/A	7²⁵⁄₃₂" (194 mm)	23" (584 mm)	23" (584 mm)	4⅝" (117 mm)

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.

LJ-9000
Flat Top Plate for Box Newels

LJ-9001
Chamfered Top Plate for Box Newels

LJ-9300
Flat Top Plate for Intermediate Box Newels

LJ-9301
Chamfered Top Plate for Intermediate Box Newels

Product Dimensions				
Top Plates:	Item Number	Length	Width	Thickness
	LJ-9000	5" (127 mm)	5" (127 mm)	1" (25 mm)
	LJ-9001	5" (127 mm)	5" (127 mm)	1¼" (32 mm)
	LJ-9300	3⅝" (92 mm)	3⅝" (92 mm)	⅞" (22 mm)
	LJ-9301	3⅝" (92 mm)	3⅝" (92 mm)	15/16" (24 mm)
Finials:	Item Number	Height	Widest Width	Base Diameter
	LJ-9002	6⁹/₁₆" (167 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9003	6" (152 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9004	5¹³/₁₆" (148 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9005	6⁷/₁₆" (164 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9006	4¾" (121 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9007	5¾" (132 mm)	3¼" (83 mm)	3¼" (83 mm)
	LJ-9008	4⁷/₁₆"(113 mm)	3¼" (83 mm)	3¹/₁₆" (78 mm)
	LJ-9009	6½" (165 mm)	3⅛" (79 mm)	3¼" (83 mm)
Rosette Blocks:	Item Number	Height	Width	Thickness
	LJ-9100	4" (102 mm)	4" (102 mm)	½" (13 mm)
	LJ-9101	3½" (89 mm)	3½" (89 mm)	½" (13 mm)
Embossed Carvings:	Item Number	Height	Width	Thickness
	LJ-9102	3½" (89 mm)	3½" (89 mm)	⅛" (3 mm)
	LJ-9103	3" (76 mm)	3⅝" (92 mm)	⅛" (3 mm)
	LJ-9104	3" (76 mm)	3" (76 mm)	⅛" (3 mm)
	LJ-9105	3¼" (83 mm)	3½" (89 mm)	⅛" (3 mm)

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 2½" x 5/16" lag screw.

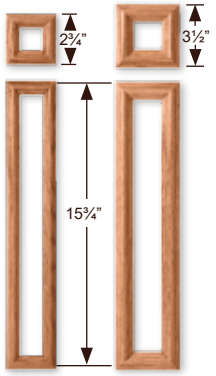
LJ-9002 Chablis
LJ-9003 Acorn

LJ-9004 Champagne
LJ-9005 Teardrop
LJ-9006 Alladin
LJ-9007 Balltop
LJ-9008 Colonial Balltop
LJ-9009 Lighthouse

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.



LJ-9203 Small Picture Frame Kit
LJ-9204 Large Picture Frame Kit

LJ-4091 Box Newel with LJ-9204 Large Picture Frame Kit

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.

LJ-9100 **LJ-9101**

LJ-9102 **LJ-9103** **LJ-9104** **LJ-9105**

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

L.J. Smith stair 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.

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

Harbor Collection

Over the Post

Non-Plowed Handrails and Pin Top Balusters

LJ-6109 LJ-6210

LJ-6400 LJ-6519

LJ-6701 LJ-6900

LJ-6A10 LJ-6B10

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

LJB-2915 Beaded **LJF-2915** Fluted **LJP-2915**

Shoerail & Fillet

LJ-6007

LJ-6006

Plowed Handrails and Square Top Balusters

LJ-6109P1

LJ-6210P LJ-6400P

LJ-6519P LJ-6900P

LJ-6A10P1 LJ-6B10P1

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

LJB-2905 Beaded **LJF-2905** Fluted **LJP-2905**

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	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾" (44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾" (44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾" (44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾" (44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	1¾" (44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2905-34	6½" (165 mm)	21 1/16" (535 mm)	6 7/16" (164 mm)	1¾" (44 mm)	34" (864 mm)
2905-38	6½" (165 mm)	21 1/16" (535 mm)	10 7/16" (265 mm)	1¾" (44 mm)	38" (965 mm)
2905-42	6½" (165 mm)	21 1/16" (535 mm)	14 7/16" (367 mm)	1¾" (44 mm)	42" (1067 mm)
2915-34	N/A	27 9/16"* (700 mm)	6 7/16" (164 mm)	1¾" (44 mm)	34" (864 mm)
2915-38	N/A	27 9/16"* (700 mm)	10 7/16" (265 mm)	1¾" (44 mm)	38" (965 mm)
2915-42	N/A	27 9/16"* (700 mm)	14 7/16" (367 mm)	1¾" (44 mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
3910	23 1/16" (586 mm)	18 15/16" (481 mm)	3¼" (83 mm)	43" (1092 mm)
3914	23 1/16" (586 mm)	25 15/16" (659 mm)	3¼" (83 mm)	50" (1270 mm)
Intermediate Landing Newel				
3915	23 1/16" (586 mm)	33 15/16" (862 mm)	3¼" (83 mm)	58" (1473 mm)
3918	23 1/16" (586 mm)	48 15/16" (1243 mm)	3¼" (83 mm)	73" (1854 mm)

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

Newel Posts

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

Beaded

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

Fluted

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

Newel Drop

LJ-4099A

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

Iron Newels

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

LJ-6109 LJ-6210

LJ-6400 LJ-6519

LJ-6701 LJ-6900

LJ-6A10 LJ-6B10

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.

LJF-2115 Fluted **LJP-2115** **LJ-2111**

Shoerail & Fillet

LJ-6007

LJ-6006

Plowed Handrails and Square Top Balusters

LJ-6109P1

LJ-6210P LJ-6400P

LJ-6519P LJ-6900P

LJ-6A10P1 LJ-6B10P1

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

LJF-2105 Fluted **LJP-2105**

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

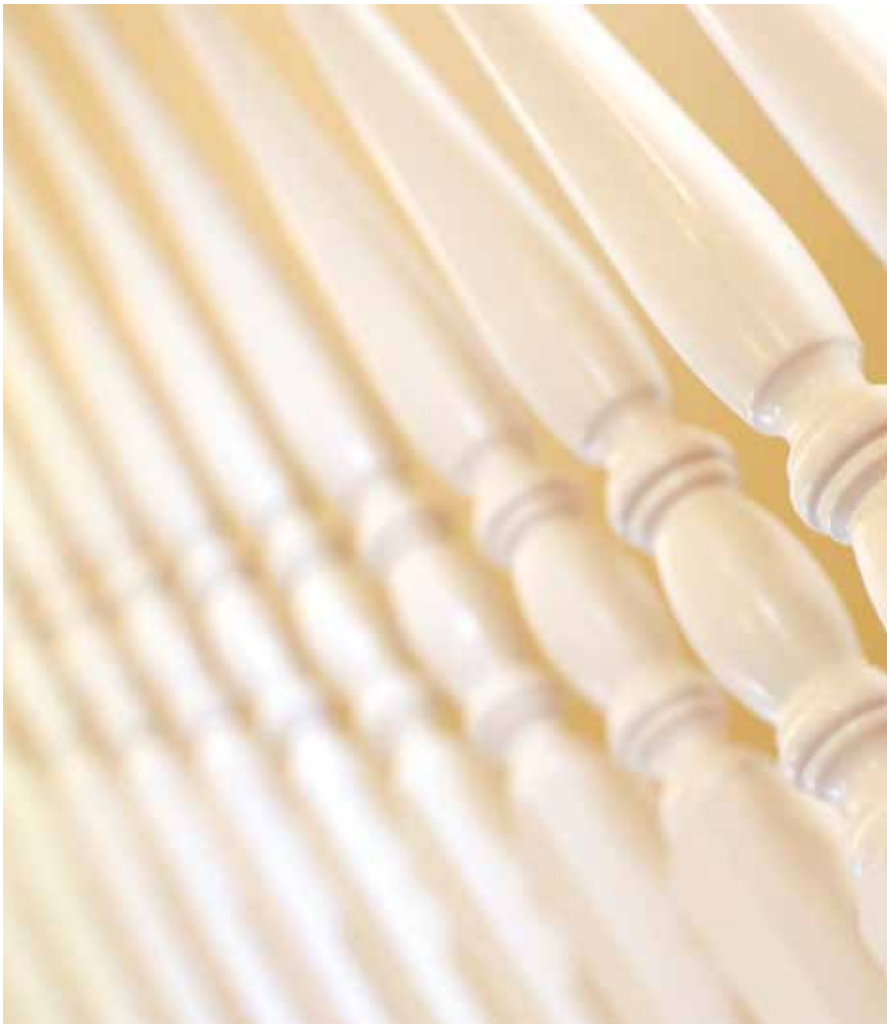
Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾" (44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾" (44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾" (44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾" (44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	1¾" (44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2105-34	6½" (165 mm)	19⅛" (486 mm)	8⅜" (213 mm)	1¾" (44 mm)	34" (864 mm)
2105-38	6½" (165 mm)	19⅛" (486 mm)	12⅜" (314 mm)	1¾" (44 mm)	38" (965 mm)
2105-42	6½" (165 mm)	19⅛" (486 mm)	16⅜" (416 mm)	1¾" (44 mm)	42" (1067 mm)
2111-34	N/A	25⅝"* (651 mm)	8⅜" (213 mm)	1¾" (44 mm)	34" (864 mm)
2111-38	N/A	25⅝"* (651 mm)	12⅜" (314 mm)	1¾" (44 mm)	38" (965 mm)
2111-42	N/A	25⅝"* (651 mm)	16⅜" (416 mm)	1¾" (44 mm)	42" (1067 mm)
2115-34	N/A	25 9/16"* (642 mm)	8 7/16" (214 mm)	1¾" (44 mm)	34" (864 mm)
2115-38	N/A	25 9/16"* (642 mm)	12 7/16" (316 mm)	1¾" (44 mm)	38" (965 mm)
2115-42	N/A	25 9/16"* (642 mm)	16 7/16" (418 mm)	1¾" (44 mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
3310	22⅞" (581 mm)	19⅛" (486 mm)	3½" (89 mm)	43" (1092 mm)
3314	22⅞" (581 mm)	26⅛" (664 mm)	3½" (89 mm)	50" (1270 mm)
Intermediate Landing Newels				
3315	22⅞" (581 mm)	34⅛" (867 mm)	3½" (89 mm)	58" (1473 mm)
3318	22⅞" (581 mm)	49⅛" (1248 mm)	3½" (89 mm)	73" (1854 mm)

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



Newel Posts

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

Fluted

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

Newel Drop

LJ-4299A

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

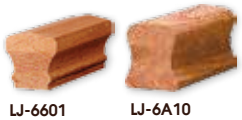
Iron Newels

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


LJ-6010 LJ-6109


LJ-6601 LJ-6A10


LJ-6B10


LJF-2415 Fluted LJP-2415 LJ-2011

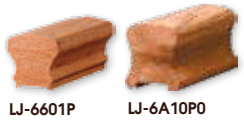
2415 and LJ-2011 balusters can be used with LJ-6010, LJ-6109, LJ-6601, LJ-6A10 or LJ-6B10 handrails.

Shoerail & Fillet


LJ-6050 LJ-6045

Plowed Handrails and Square Top Balusters


LJ-6010P LJ-6109P0


LJ-6601P LJ-6A10P0


LJ-6B10P0


LJF-2405 Fluted LJP-2405

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	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64 mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2011-34	N/A	25 9/16"* (642 mm)	8 7/16" (214 mm)	1¼" (32 mm)	34" (864 mm)
2011-38	N/A	25 9/16"* (642 mm)	12 7/16" (316 mm)	1¼" (32 mm)	38" (965 mm)
2011-42	N/A	25 9/16"* (642 mm)	16 7/16" (418 mm)	1¼" (32 mm)	42" (1067 mm)
2405-34	6½" (165 mm)	19⅛" (486 mm)	8⅜" (213 mm)	1¼" (32 mm)	34" (864 mm)
2405-38	6½" (165 mm)	19⅛" (486 mm)	12⅜" (314 mm)	1¼" (32 mm)	38" (965 mm)
2405-42	6½" (165 mm)	19⅛" (486 mm)	16⅜" (416 mm)	1¼" (32 mm)	42" (1067 mm)
2415-34	N/A	25 9/16"* (642 mm)	8 7/16" (214 mm)	1¼" (32 mm)	34" (864 mm)
2415-38	N/A	25 9/16"* (642 mm)	12 7/16" (316 mm)	1¼" (32 mm)	38" (965 mm)
2415-42	N/A	25 9/16"* (642 mm)	16 7/16" (418 mm)	1¼" (32 mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
3210	22⅞" (581 mm)	19⅛" (486 mm)	3" (76 mm)	43" (1092 mm)
3214	22⅞" (581 mm)	26⅛" (664 mm)	3" (76 mm)	50" (1270 mm)
Intermediate Landing Newels				
3215	22⅞" (581 mm)	34⅛" (867 mm)	3" (76 mm)	58" (1473 mm)
3218	22⅞" (581 mm)	49⅛" (1248 mm)	3" (76 mm)	73" (1854 mm)

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

Newel Posts

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

Fluted

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

Newel Drop

LJ-4099A

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

Iron Newels

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

Over the Post

Non-Plowed Handrails and Pin Top Balusters


LJ-6109

LJ-6210


LJ-6400


LJ-6519


LJ-6701


LJ-6900


LJ-6A10


LJ-6B10

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.


LJP-20158 Octagonal

LJT-2015 Twisted

LJF-2015 Fluted

LJP-2015

Shoerail & Fillet


LJ-6007


LJ-6006

Plowed Handrails and Square Top Balusters


LJ-6109P1


LJ-6210P


LJ-6400P


LJ-6519P


LJ-6900P


LJ-6A10P1


LJ-6B10P1

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


LJP-20058 Octagonal

LJT-2005 Twisted

LJF-2005 Fluted

LJP-2005

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	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾" (44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾" (44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾" (44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾" (44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	1¾" (44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
2005(8)-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¾" (44 mm)	34" (864 mm)
2005(8)-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¾" (44 mm)	38" (965 mm)
2005(8)-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¾" (44 mm)	42" (1067 mm)
2015(8)-34	N/A	28"* (711 mm)	6" (152 mm)	1¾" (44 mm)	34" (864 mm)
2015(8)-38	N/A	28"* (711 mm)	10" (254 mm)	1¾" (44 mm)	38" (965 mm)
2015(8)-42	N/A	28"* (711 mm)	14" (356 mm)	1¾" (44 mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
3010(8)	27" (686 mm)	15" (381 mm)	3½" (89 mm)	43" (1092 mm)
3014(8)	27" (686 mm)	22" (559 mm)	3½" (89 mm)	50" (1270 mm)
Intermediate Landing Newels				
3015(8)	27" (686 mm)	30" (762 mm)	3½" (89 mm)	58" (1473 mm)
3018(8)	27" (686 mm)	45" (1143 mm)	3½" (89 mm)	73" (1854 mm)

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

Newel Posts

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

Octagonal

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

Twisted

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

Fluted

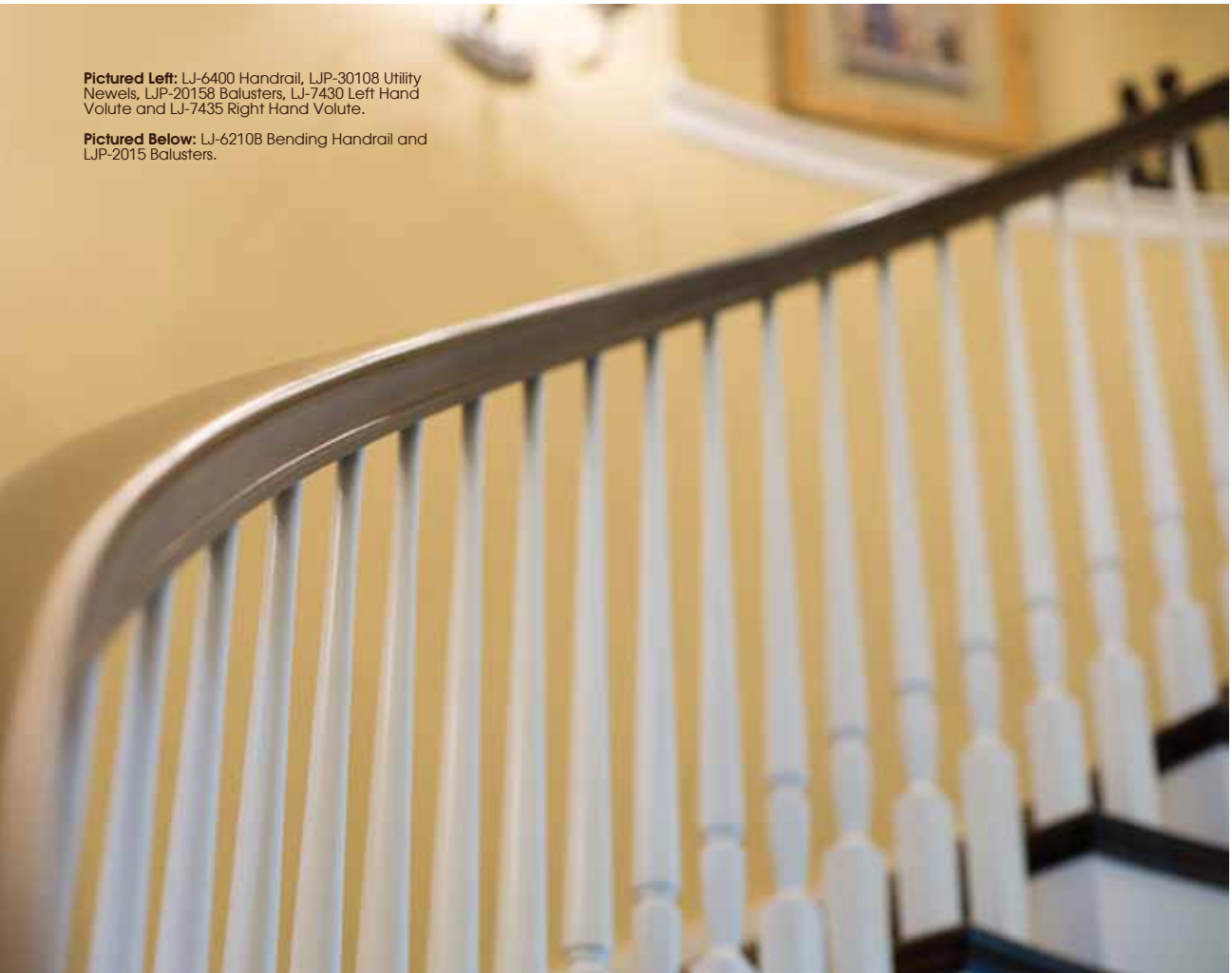
LJP-3010
LJP-3014
LJP-3015
LJP-3018

Newel Drop

LJ-4299A

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

Iron Newels



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.

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

Shoerail & Fillet

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.

LJ-50058 Octagonal **LJ-5005** **S-5105** Traditional 5 Lengths

"LJ-" series balusters are pre-drilled with a 9/32"(7 mm) diameter hole at least 3"(76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. The balusters can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 85 (sold separately). "S-" series balusters have a turned bottom pin.

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6109	2⅛" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P1	2⅛" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¾" (44 mm)
LJ-6210	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2⅜" (60 mm)	2⅝" (67 mm)	2" (51 mm)	1¾" (44 mm)
LJ-6400	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2¼" (57 mm)	2¾" (70 mm)	3" (76 mm)	1¾" (44 mm)
LJ-6519	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2⅝" (67 mm)	2⅝" (67 mm)	1¾" (44 mm)
LJ-6701	2⅛" (54 mm)	2¾" (70 mm)	1⅝" (41 mm)	N/A
LJ-6900	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	N/A
LJ-6900P	2¾" (70 mm)	2⅝" (67 mm)	1 15/16" (49 mm)	1¾" (44 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P1	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¾" (44 mm)
LJ-6B10	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P1	2 5/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¾" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3⅛" (79 mm)	1¾" (44 mm)
LJ-6007	5/16" (8 mm)	1¾" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5005ND-31‡	5⅞" (149 mm)	16⅝" (422 mm)	8½" (216 mm)	1¾" (44 mm)	31" (787 mm)
LJ-5005(8)-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5005(8)-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5005(8)-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¾" (44 mm)	42" (1067 mm)
S-5105-31	5⅞" (149 mm)	16⅝" (422 mm)	7¾" (197 mm)	1¾" (44 mm)	31" (787 mm)
S-5105-34	5⅞" (149 mm)	19⅝" (498 mm)	7¾" (197 mm)	1¾" (44 mm)	34" (864 mm)
S-5105-36	5⅞" (149 mm)	21⅝" (549 mm)	7¾" (197 mm)	1¾" (44 mm)	36" (914 mm)
S-5105-39	5⅞" (149 mm)	24⅝" (625 mm)	7¾" (197 mm)	1¾" (44 mm)	39" (991 mm)
S-5105-42	8⅛" (206 mm)	25⅝" (645 mm)	7¾" (197 mm)	1¾" (44 mm)	42" (1067 mm)
LJ-5300(8)-34	N/A	27"* (686 mm)	7" (178 mm)	1¾" (44 mm)	34" (864 mm)
LJ-5300(8)-38	N/A	27"* (686 mm)	11" (279 mm)	1¾" (44 mm)	38" (965 mm)
LJ-5300(8)-42	N/A	27"* (686 mm)	15" (381 mm)	1¾" (44 mm)	42" (1067mm)
S-5300-31	N/A	22½" (572 mm)	7¾" (197 mm)	1¾" (44 mm)	31" (787 mm)
S-5300-34	N/A	25½" (648 mm)	7¾" (197 mm)	1¾" (44 mm)	34" (864 mm)
S-5300-36	N/A	27½" (698 mm)	7¾" (197 mm)	1¾" (44 mm)	36" (914 mm)
S-5300-39	N/A	30½" (775 mm)	7¾" (197 mm)	1¾" (44 mm)	39" (991 mm)
S-5300-42	N/A	33½" (851 mm)	7¾" (197 mm)	1¾" (44 mm)	42" (1067 mm)

* Length is from the top of the bottom block to the top of the baluster
‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

Product Dimensions

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
LJ-4270(8)	27" (686 mm)	15" (381 mm)	3¼" (83 mm)	43" (1092 mm)
LJ-4274(8)	27" (686 mm)	22" (559 mm)	3¼" (83 mm)	50" (1270 mm)
Intermediate Landing Newels				
LJ-4275(8)	27" (686 mm)	30" (762 mm)	3¼" (83 mm)	58" (1473 mm)
LJ-4278(8)	27" (686 mm)	45" (1143 mm)	3¼" (83 mm)	73" (1854 mm)
Rake Newel				
LJ-3513PT	27 13/16" (706 mm)	20 3/16" (513 mm)	3" (76 mm)	48" (1219 mm)

Newel Posts

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

Octagonal

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

LJ-3513PT

Newel Drop

LJ-4099A

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

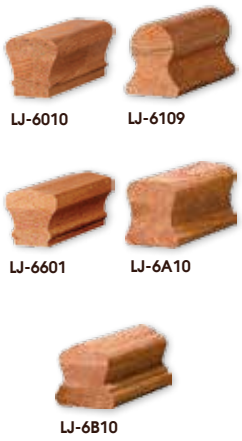
Iron Newels

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

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

Cornerstone Collection

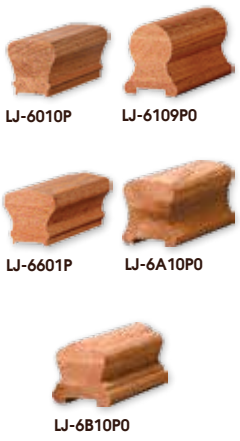
Non-Plowed Handrails and Pin Top Balusters



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

Shoerail & Fillet

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.

"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	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2⁵⁄₁₆" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5015ND-31‡	N/A	22⅝"* (575 mm)	8¾" (213 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5015-34	N/A	28"* (711 mm)	6" (152 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5015-38	N/A	28"* (711 mm)	10" (254 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5015-42	N/A	28"* (711 mm)	14" (356 mm)	1¼" (32 mm)	42" (1067 mm)
S-5015-31	N/A	22⅝"* (575 mm)	7⅝"* (193 mm)	1¼" (32 mm)	31" (787 mm)
S-5015-34	N/A	25⅝"* (651 mm)	7⅝"* (193 mm)	1¼" (32 mm)	34" (864 mm)
S-5015-36	N/A	27⅝"* (702 mm)	7⅝"* (193 mm)	1¼" (32 mm)	36" (914 mm)
S-5015-39	N/A	30⅝"* (778 mm)	7⅝"* (193 mm)	1¼" (32 mm)	39" (990 mm)
S-5015-42	N/A	33⅝"* (854 mm)	7⅝"* (193 mm)	1¼" (32 mm)	42" (1067 mm)
LJ-5035-34	N/A	28"* (711 mm)	6" (152 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5035-38	N/A	28"* (711 mm)	10" (254 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5035-42	N/A	28"* (711 mm)	14" (356 mm)	1¼" (32 mm)	42" (1067mm)
LJ-5040-34	N/A	34" (864 mm)	N/A	1⅛" Diam. (29 mm)	34" (864 mm)
LJ-5040-38	N/A	38" (965 mm)	N/A	1⅛" Diam. (29 mm)	38" (965 mm)
LJ-5040-42	N/A	42" (1067mm)	N/A	1⅛" Diam. (29 mm)	42" (1067mm)
S-5040-31	N/A	30¼" (768 mm)	N/A	1⅛" Diam. (29 mm)	31" (787 mm)
S-5040-34	N/A	33¼" (845 mm)	N/A	1⅛" Diam. (29 mm)	34" (864 mm)
S-5040-36	N/A	35¼" (895 mm)	N/A	1⅛" Diam. (29 mm)	36" (914 mm)
S-5040-39	N/A	38¼" (972 mm)	N/A	1⅛" Diam. (29 mm)	39" (990 mm)
S-5040-42	N/A	41¼" (1048 mm)	N/A	1⅛" Diam. (29 mm)	42" (1067 mm)
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)
S-5067-31	5¼" (133 mm)	19⅛" (486 mm)	5⅞" (149 mm)	1¼" (32 mm)	31" (787 mm)
S-5067-34	5⅞" (149 mm)	21½" (546 mm)	5⅞" (149 mm)	1¼" (32 mm)	34" (864 mm)
S-5067-36	5⅜" (136 mm)	24" (610 mm)	5⅞" (149 mm)	1¼" (32 mm)	36" (914 mm)
S-5067-39	5¼" (133 mm)	27⅛" (689 mm)	5⅞" (149 mm)	1¼" (32 mm)	39" (990 mm)
S-5067-42	7⅝" (194 mm)	27¾" (705 mm)	5⅞" (149 mm)	1¼" (32 mm)	42" (1067 mm)

* Length is from the top of the bottom block to the top of the baluster
‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

Product Dimensions

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5141ND-31‡	5¼" (133 mm)	16¾" (425 mm)	9" (229 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)
S-5141-31	5¼" (133 mm)	16¾" (425 mm)	8¼" (210 mm)	1¼" (32 mm)	31" (787 mm)
S-5141-34	6¼" (159 mm)	18¾" (476 mm)	8¼" (210 mm)	1¼" (32 mm)	34" (864 mm)
S-5141-36	6¼" (159 mm)	20¾" (527 mm)	8¼" (210 mm)	1¼" (32 mm)	36" (914 mm)
S-5141-39	6¼" (159 mm)	23¾" (603 mm)	8¼" (210 mm)	1¼" (32 mm)	39" (990 mm)
S-5141-42	6¼" (159 mm)	26¾" (679 mm)	8¼" (210 mm)	1¼" (32 mm)	42" (1067 mm)

* Length is from the top of the bottom block to the top of the baluster
‡ This baluster is for kneewall stairways only. It is NOT predrilled and does NOT include the Pin EZ.

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Starting Newels				
LJ-4050	27" (686 mm)	15" (381 mm) turned bottom	2¼"† (57 mm)	43" (1092 mm)
LJ-4060	27" (686 mm)	15" (381 mm) turned bottom	2¾"† (70 mm)	43" (1092 mm)
Utility Newels				
LJ-4010	27" (686 mm)	15" (381 mm)	3" (76 mm)	43" (1092 mm)
LJ-4014	27" (686 mm)	22" (559 mm)	3" (76 mm)	50" (1270 mm)
Intermediate Landing Newels				
LJ-4015	27" (686 mm)	30" (762 mm)	3" (76 mm)	58" (1473 mm)
LJ-4017	27" (686 mm)	37" (940 mm)	3" (76 mm)	65" (1651 mm)
LJ-4018	27" (686 mm)	45" (1143 mm)	3" (76 mm)	73" (1854 mm)
Rake Newel				
LJ-4013PT	27" (686 mm)	16" (406 mm)	3" (76 mm)	43" (1092 mm)

†Diameter dimension

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

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

Newel Posts

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

LJ-4013PT

LJ-4050
Turned Bottom

LJ-4060
Turned Bottom

Newel Drop

LJ-4299A

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

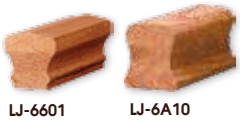
Iron Newels

Over the Post

Over the Post

Non-Plowed Handrails and Pin Top Balusters


LJ-6010 LJ-6109


LJ-6601 LJ-6A10


LJ-6B10


LJ-5200

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

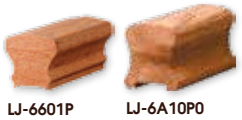
Shoerail & Fillet


LJ-6050


LJ-6045

Plowed Handrails and Square Top Balusters


LJ-6010P LJ-6109P0


LJ-6601P LJ-6A10P0


LJ-6B10P0


LJ-5004

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

Newel Posts



LJ-3270
LJ-3274
LJ-3275
LJ-3278

LJ-3513PT

Newel Drop


LJ-4099A

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	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6010P	2⅜" (60 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6109	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	N/A
LJ-6109P0	2⅞" (73 mm)	1⅞" (48 mm)	2⅜" (60 mm)	1¼" (32 mm)
LJ-6601	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	N/A
LJ-6601P	2¼" (57 mm)	2¼" (57 mm)	1½" (38 mm)	1¼" (32 mm)
LJ-6A10	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	N/A
LJ-6A10P0	2⅜" (60 mm)	2" (51 mm)	2⅛" (54 mm)	1¼" (32 mm)
LJ-6B10	2 3/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	N/A
LJ-6B10P0	2 3/16" (59 mm)	2" (51 mm)	2⅜" (60 mm)	1¼" (32 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6045	¾" (19 mm)	2½" (64 mm)	1¼" (32 mm)
LJ-6050	⅜" (10 mm)	1¼" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5004ND-31‡	5⅞" (149 mm)	16⅝" (422 mm)	8½" (216 mm)	1¼" (32 mm)	31" (787 mm)
LJ-5004-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5004-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5004-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067 mm)
LJ-5200-34	N/A	27"* (686 mm)	7" (178 mm)	1¼" (32 mm)	34" (864 mm)
LJ-5200-38	N/A	27"* (686 mm)	11" (279 mm)	1¼" (32 mm)	38" (965 mm)
LJ-5200-42	N/A	27"* (686 mm)	15" (381 mm)	1¼" (32 mm)	42" (1067mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
LJ-3270	27" (686 mm)	15" (381 mm)	3" (76 mm)	43"(1092 mm)
LJ-3274	27" (686 mm)	22" (559 mm)	3" (76 mm)	50"(1270 mm)
Intermediate Landing Newels				
LJ-3275	27" (686 mm)	30" (762 mm)	3" (76 mm)	58"(1473 mm)
LJ-3278	27" (686 mm)	45" (1143 mm)	3" (76mm)	73"(1854 mm)
Rake Newel				
LJ-3513PT	27 13/16" (706 mm)	20 3/16" (513 mm)	3" (76 mm)	48"(1219 mm)

* Length is from the top of the bottom block to the top of the baluster
‡ 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin EZ.

Pictured: LJ-6010 Handrail, LJ-3270 Newel Series, LJ-5200 Balusters, LJ-7035 Right Hand Volute.

Iron Collections

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

Iron Baluster Options

Solid Square | Hollow Square | Solid Round | Hollow Round

Iron Line Finishes


Satin Black (SB)


Matte Black (MB)


Matte Nickel (MN)

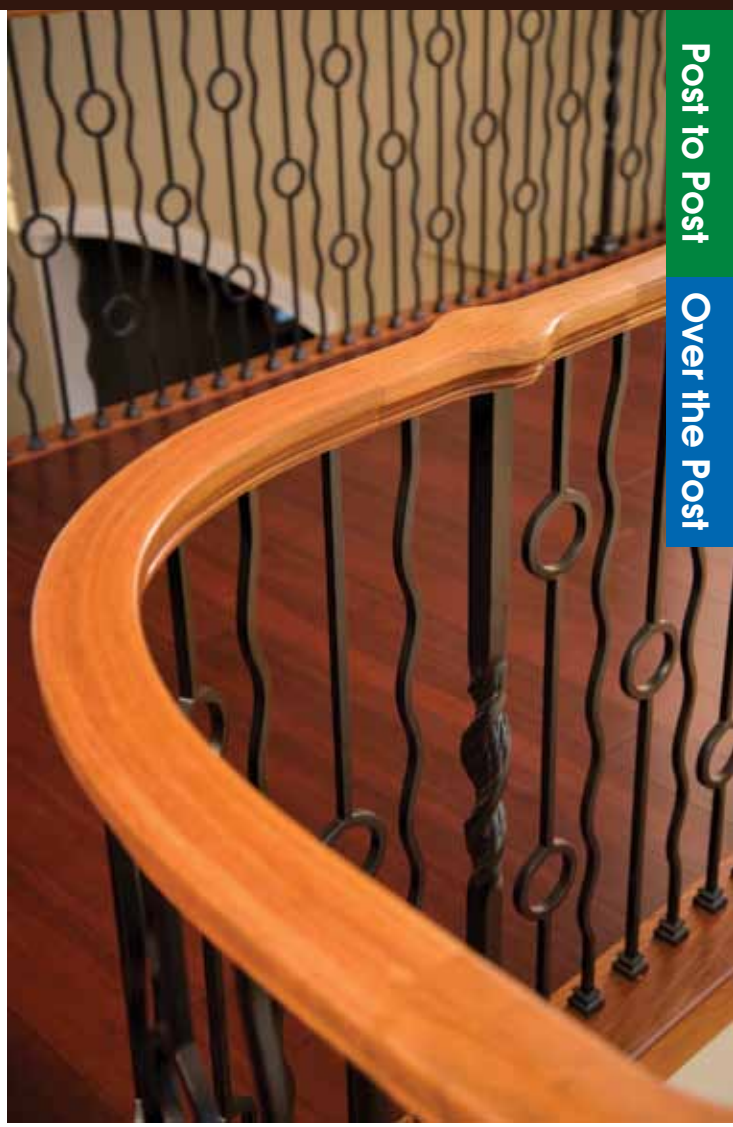

Antique Bronze (ABZ)


Oil Rubbed Bronze (ORB)


Oil Rubbed Copper (ORC)


Silver Vein (SV)

NOTE: Finishes may vary



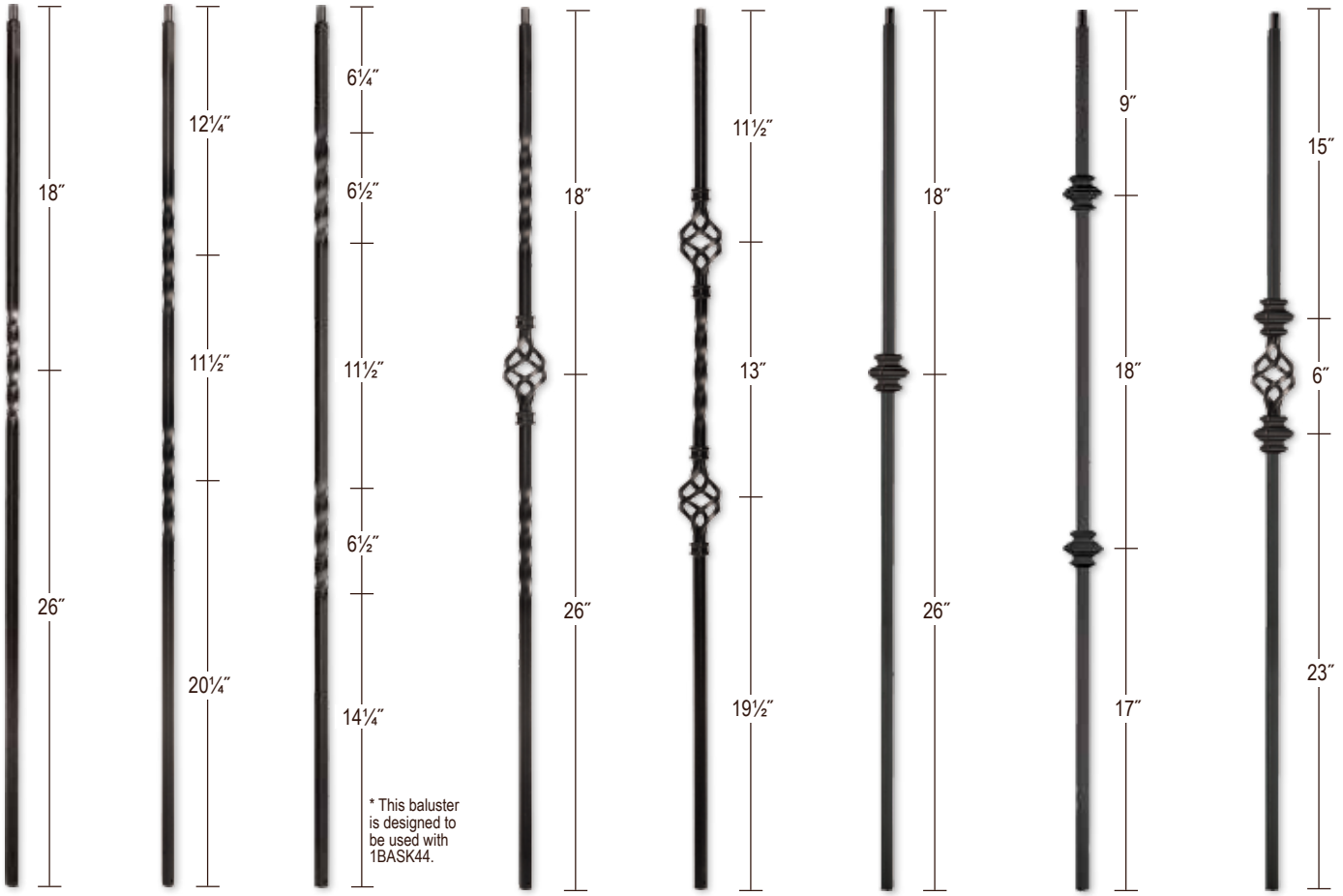
Post to Post

Over the Post

Horizon Collection - ½″ ■ □

Post to Post

Over the Post



■ LI-1TW44 ■ LI-2TW44 ■ LI-DBLTW44* ■ LI-1BASK44 ■ LI-2BASK44 ■ LI-1KNUC44 ■ LI-2KNUC44 ■ LI-2KNUC1BASK44

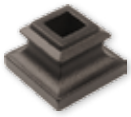
□ LIH-HOL1TW44 □ LIH-HOL2TW44 □ LIH-HOLDBLTW44* □ LIH-HOL1BASK44 □ LIH-HOL2BASK44 □ LIH-HOL1KNUC44 □ LIH-HOL2KNUC44

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	■ □	■ □	□	■ □	■ □	■ □	■ □
2TW44	■ □	■ □		■ □	■ □	■ □	■ □
DBLTW44	■ □	■ □	□	■ □	■ □	■ □	■ □
1BASK44	■ □	■ □	□	■ □	■ □	■ □	■ □
2BASK44	■ □	■ □	□	■ □	■ □	■ □	■ □
1KNUC44	■ □	■ □		■ □	■ □	■ □	■ □
2KNUC44	■ □	■ □		■ □	■ □	■ □	■ □
2KNUC1BASK44	■	■					
LI-FSH01	✓	✓		✓	✓	✓	✓
LI-ALFSH01	✓	✓		✓	✓	✓	✓
LI-M06	✓	✓		✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓		✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓		✓	✓	✓	✓
LI-ALSCR05	✓	✓		✓	✓	✓	✓
LI-M020	✓	✓					
LI-M022	✓	✓					

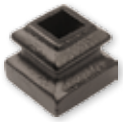
See page 56 for finish samples. NOTE: Finishes may vary.

*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

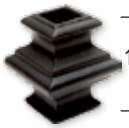
LI-ALM06
With Set Screw
Aluminum

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

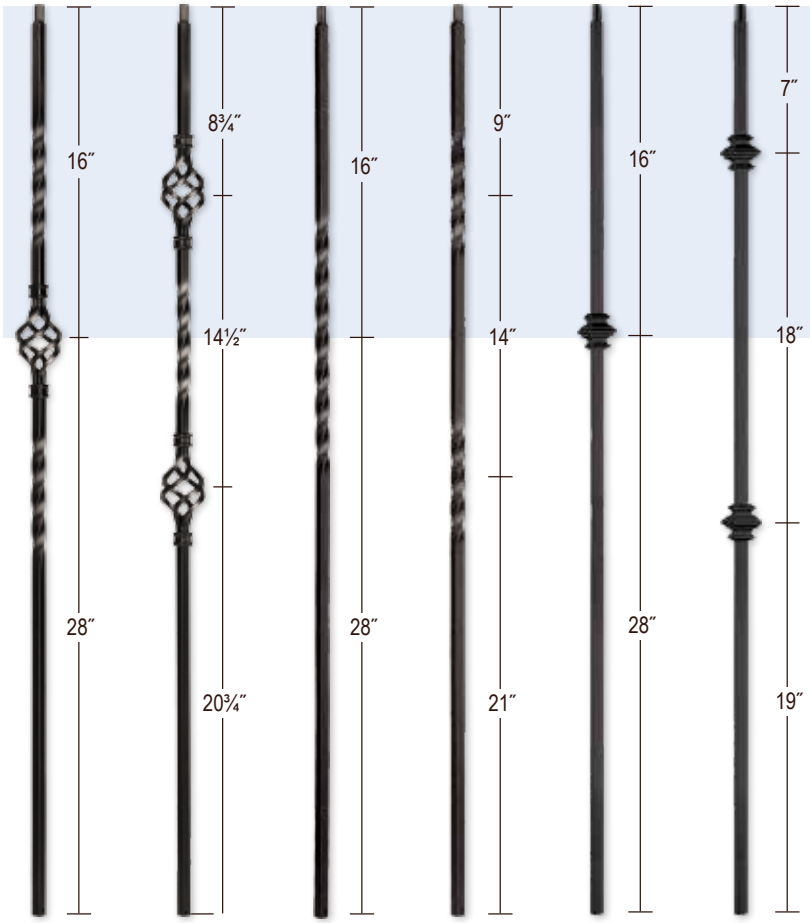
LI-ALAK05
Aluminum

LI-ALAK04
Aluminum

■ **LI-PLA44**
□ **LIH-HOLPLA44**

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.

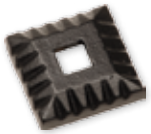


LIH-KW1BASK44 □ | **LIH-KW2BASK44** □ | **LIH-KW1TW44** □ | **LIH-KW2TW44** □ | **LIH-KW1KNUC44** □ | **LIH-KW2KNUC44** □

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

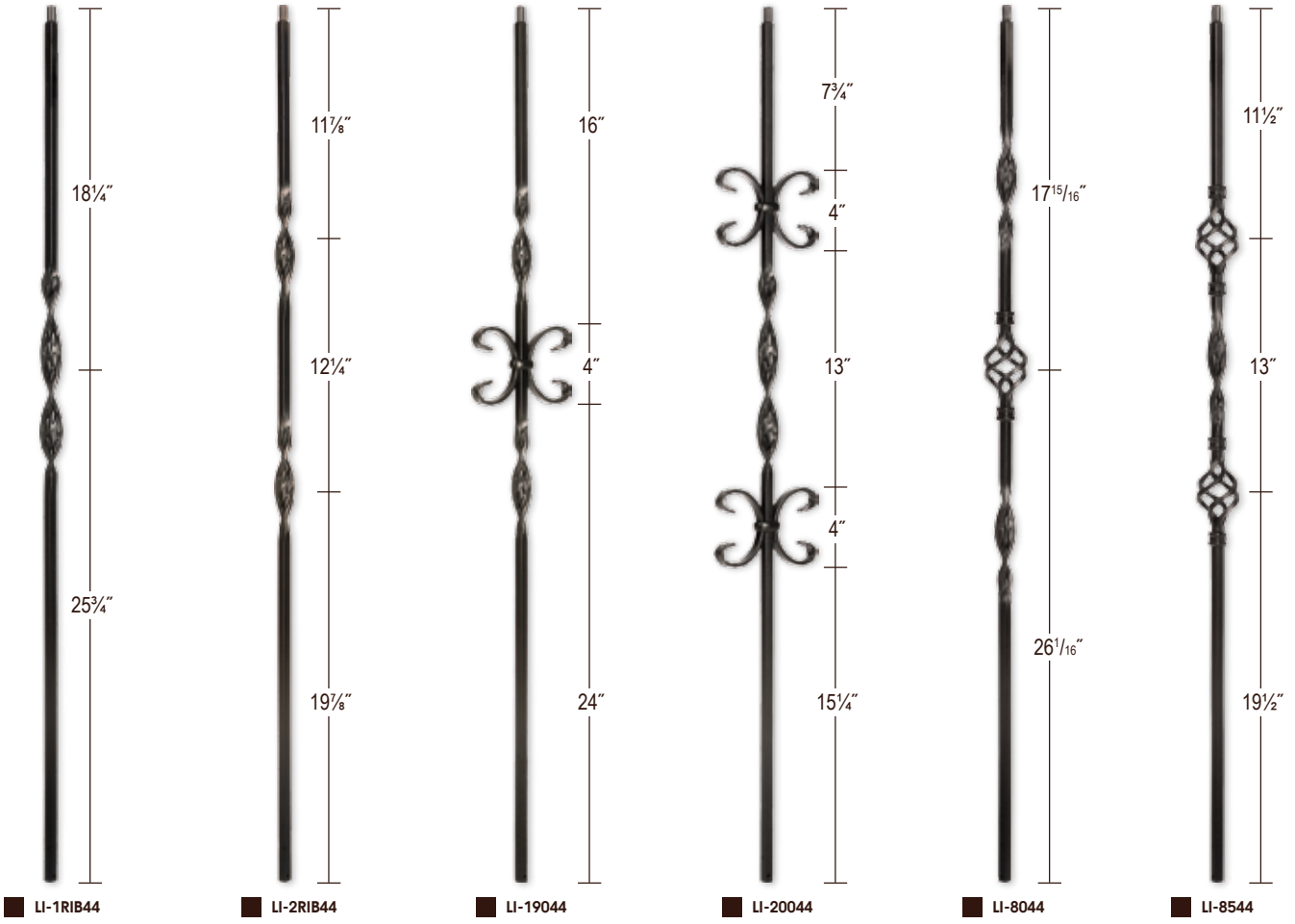
LI-PROLVL
Alum/Iron

LI-PROKNE
Alum/Iron

See pages 69-70 for details on IronPro

Ribbon Collection - ½" ■

L.J. Smith stair systems



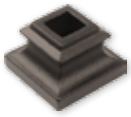
■ LI-1RIB44 ■ LI-2RIB44 ■ LI-19044 ■ LI-20044 ■ LI-8044 ■ LI-8544

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	✓	✓	✓	✓	✓	✓

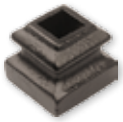
See page 56 for finish samples. NOTE: Finishes may vary.

*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

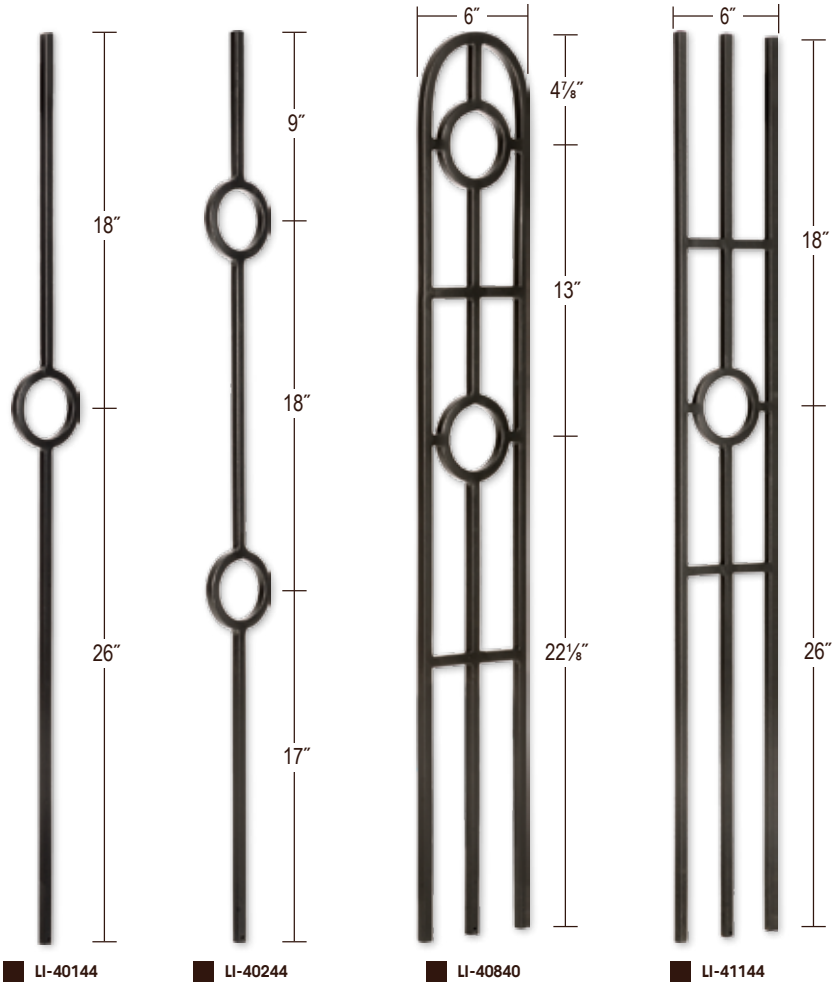
LI-ALM06
With Set Screw
Aluminum

LI-PSH02
With Set Screw
Iron

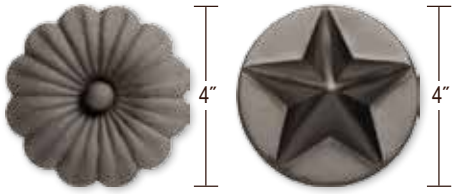
LI-ALPSH02
With Set Screw
Aluminum

LI-SCR04
Screw Down
Iron

Hoop Collection - ½"



LI-40144 LI-40244 LI-40840 LI-41144



LI-ME03 LI-ME05

LI-ME07 LI-ME08

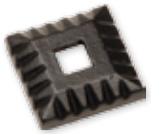
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-40144	■					
LI-40244	■					
LI-40840	■					
LI-41144	■					
LI-ME03	✓					
LI-ME05	✓					
LI-ME07	✓					
LI-ME08	✓					
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022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

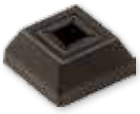
LI-ALSCR05
Screw Down
Aluminum

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

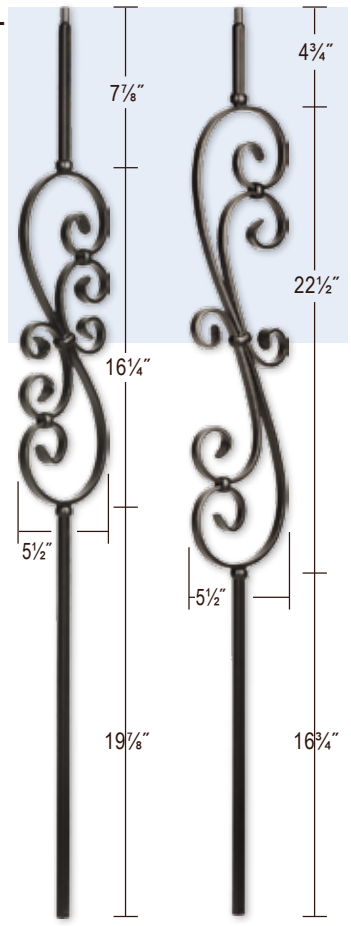
LI-PROLVL
Alum/Iron

LI-PROKNE
Alum/Iron

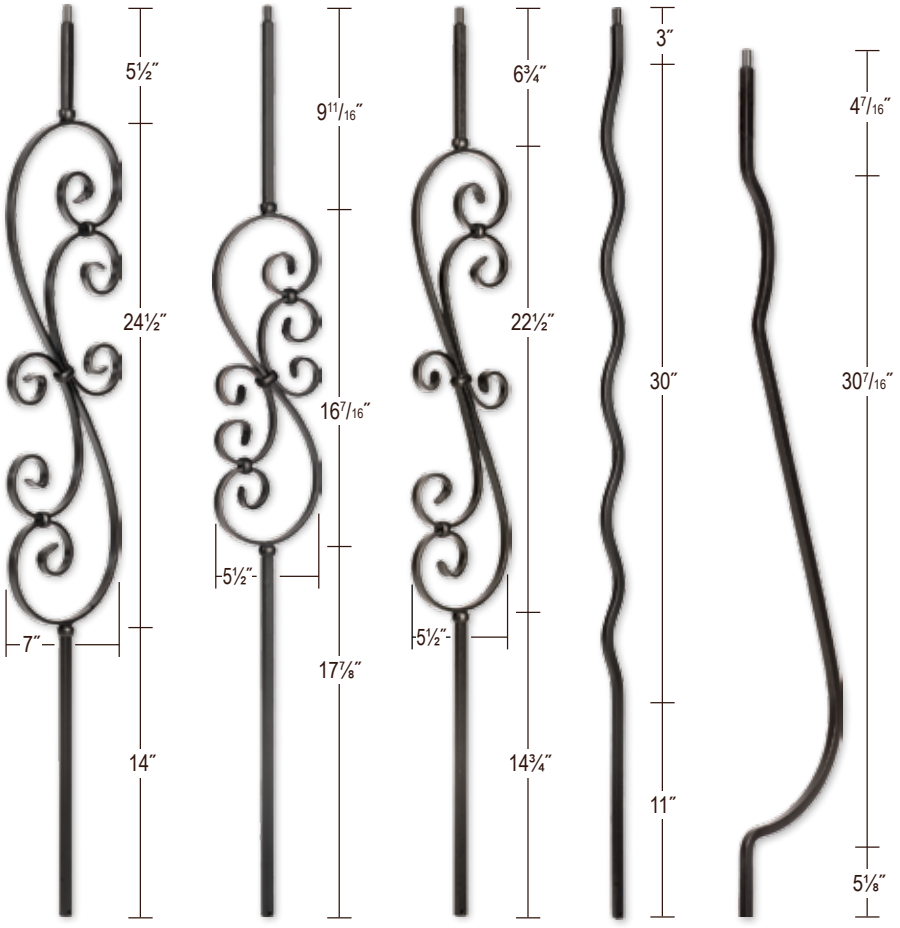
See pages 69-70 for details on IronPro

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-KW50144 □ LIH-KW60144 □



■ LI-30144 □ LIH-HOL30144 ■ LI-50144 □ LIH-HOL50144 ■ LI-60144 ■ LI-WAVE44 ■ LI-PLA40BLY

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-KW50144	□	□			□	
LIH-KW60144	□	□			□	
30144	■ □	■ □	■	■	■ □	■ □
50144	■ □	■ □	■	■	■ □	■ □
LI-60144	■	■	■	■	■	■
LI-WAVE44	■	■				
LI-PLA40BLY	■	■				
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-PROCOL	✓	✓	✓	✓	✓	✓
LI-PROLVL	✓					
LI-PROKNE	✓					

*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.*

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

LI-ALSCR05 Screw Down Aluminum

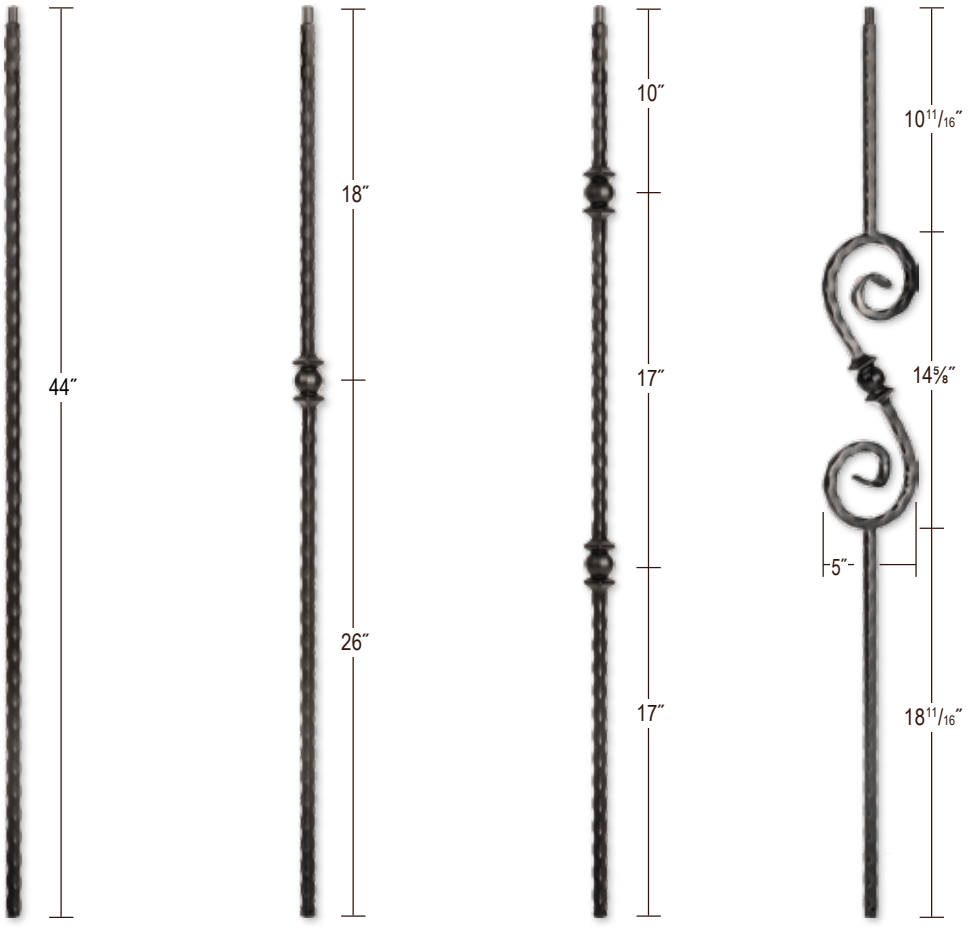
LI-PROCOL With Threaded Disc Aluminum

LI-PROLVL Alum/Iron

LI-PROKNE Alum/Iron

See pages 69-70 for details on IronPro

Pummel Collection - 9/16" ■



■ **LI-9044**
Hammered Edge

■ **LI-30544**
Hammered Edge

■ **LI-30844**
Hammered Edge

■ **LI-31044**
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-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.*

LI-H03
No Set Screw
Iron

LI-H04
Screw Down
Iron

LI-H05P
With Set Screw
Iron

LI-ALH05P
With Set Screw
Aluminum

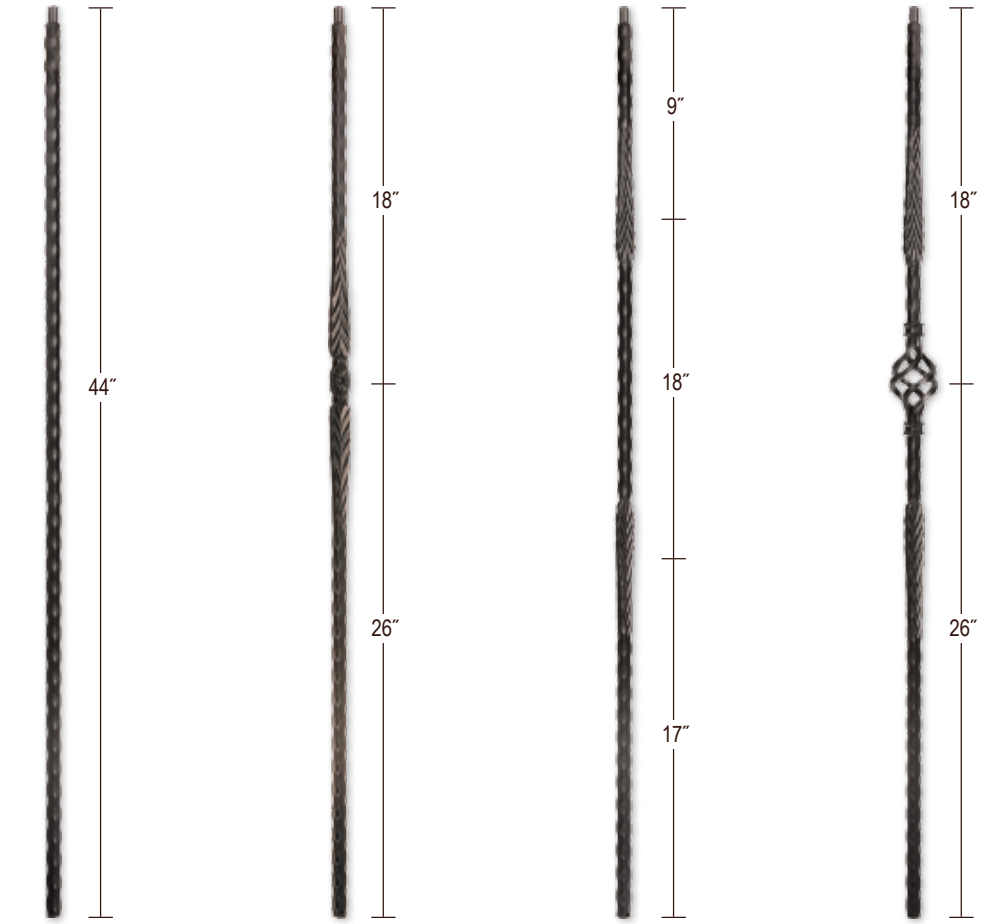
LI-H06
With Set Screw
Iron

LI-ALH06
With Set Screw
Aluminum

LI-ALRD201
No Set Screw
Aluminum

LI-ALSQ301
No Set Screw
Aluminum

Feather Collection - 9/16" ■



■ 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

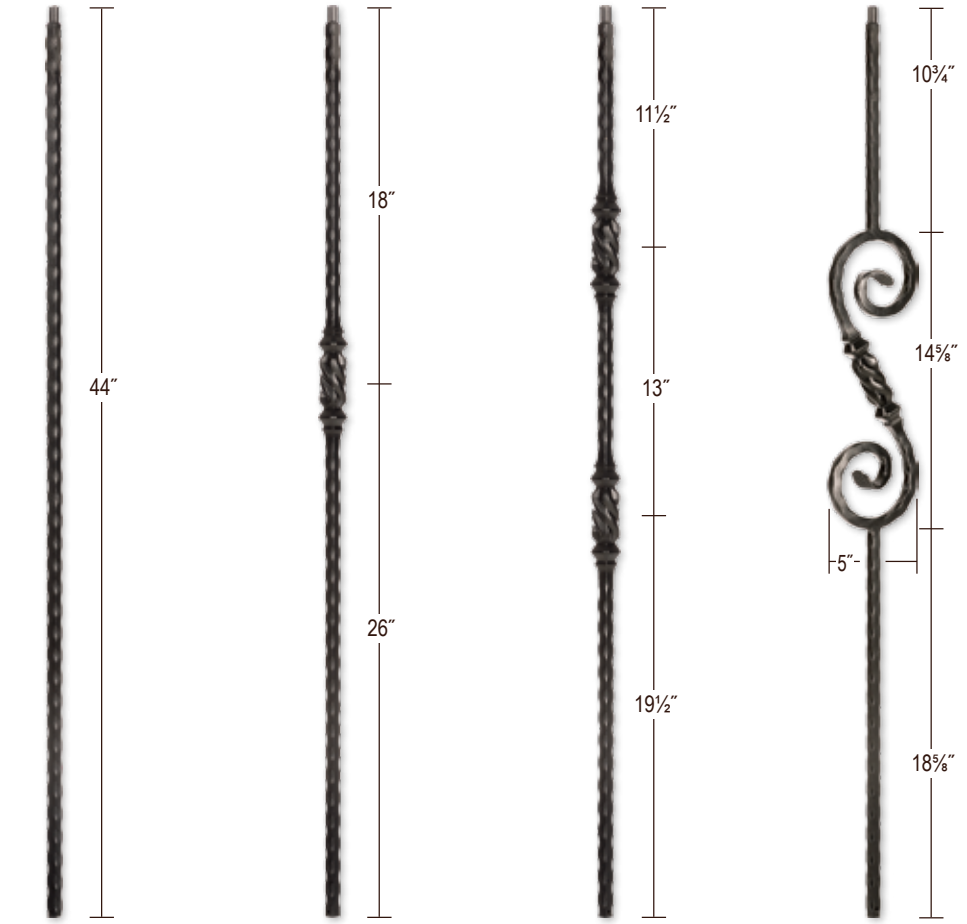
LI-ALH05P
With Set Screw
Aluminum

Honeycomb Collection - 9/16" ■

L.J. Smith stair systems

Post to Post

Over the Post



■ LI-9044 *Hammered Edge*

■ LI-13144 *Hammered Edge*

■ LI-13244 *Hammered Edge*

■ LI-33044 *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-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

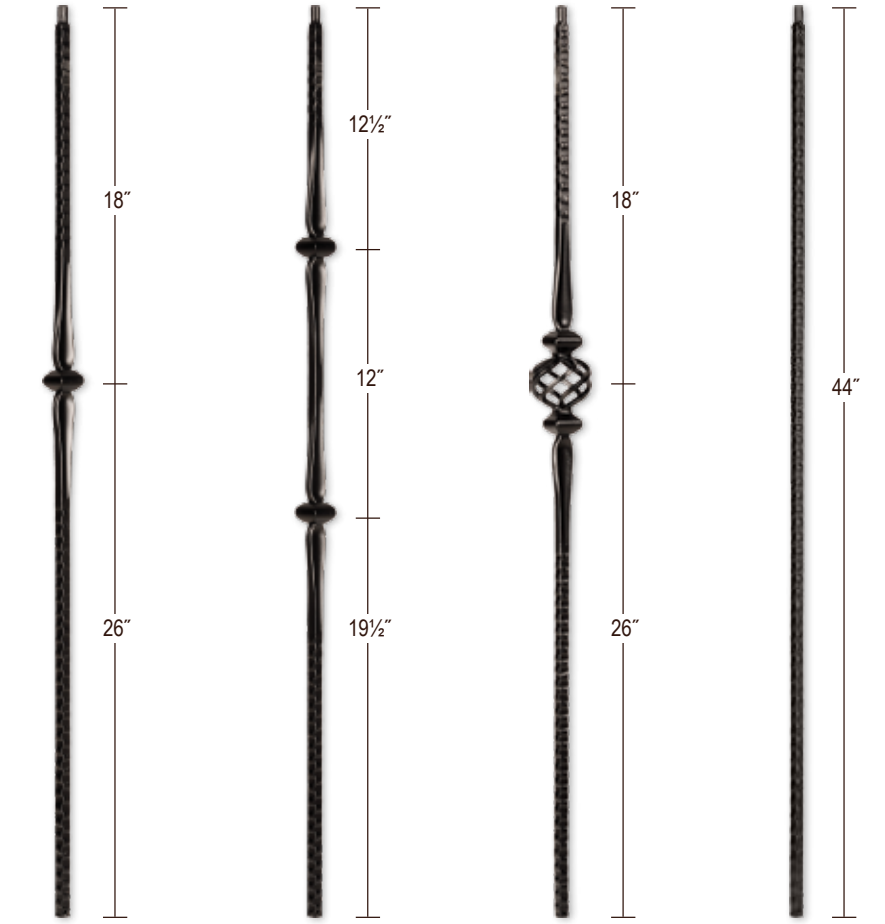
LI-ALSQ301
No Set Screw
Aluminum

Camelot Collection - 9/16" ■ □

L.J. Smith stair systems

Post to Post

Over the 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	■ □	■ □	■ □	■ □	■ □	■ □
15044	■ □	■ □	■ □	■ □	■ □	■ □
16044	■ □	■ □	■ □	■ □	■ □	■ □
14344	■ □	■ □	■ □	■ □	■ □	■ □
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.*

LI-ALRD201
No Set Screw
Aluminum

LI-ALSQ301
No Set Screw
Aluminum

LI-H03
No Set Screw
Iron

LI-H04
Screw Down
Iron

LI-H05P
With Set Screw
Iron

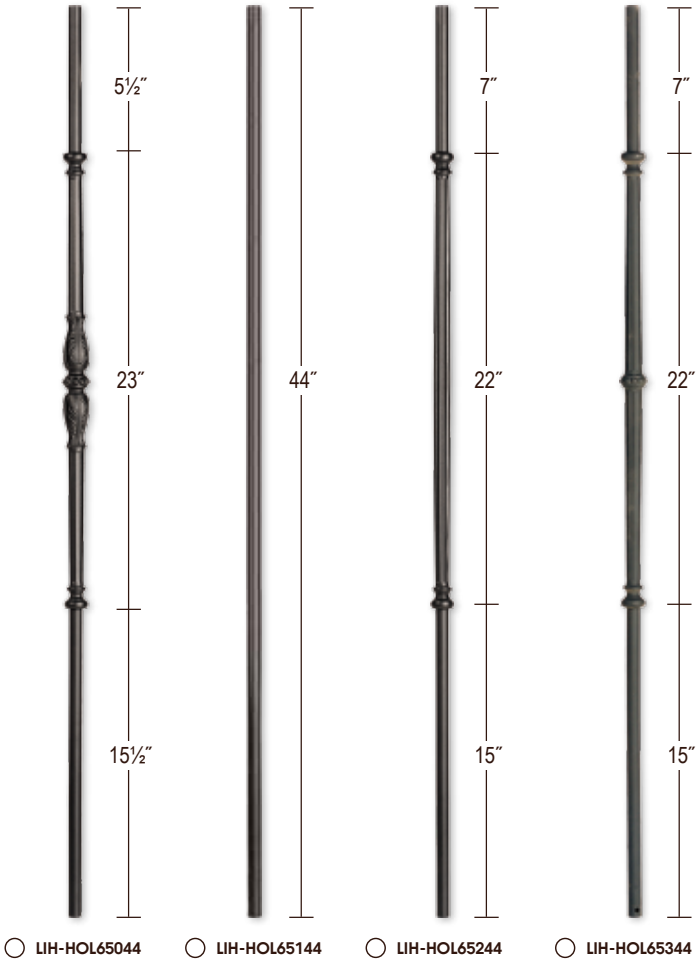
LI-ALH05P
With Set Screw
Aluminum

LI-H06
With Set Screw
Iron

LI-ALH06
With Set Screw
Aluminum

Espresso - 5/8" ○

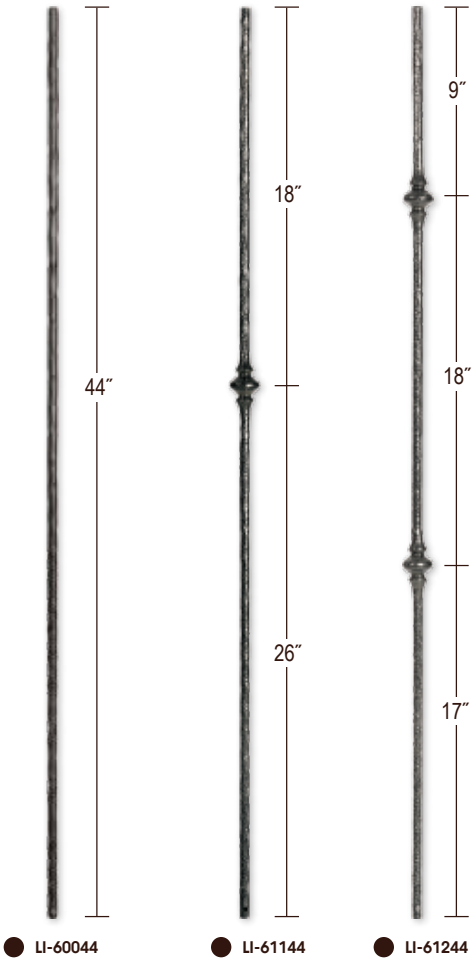
Orb - ½" ●



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

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.



● LI-60044 ● LI-61144 ● LI-61244

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

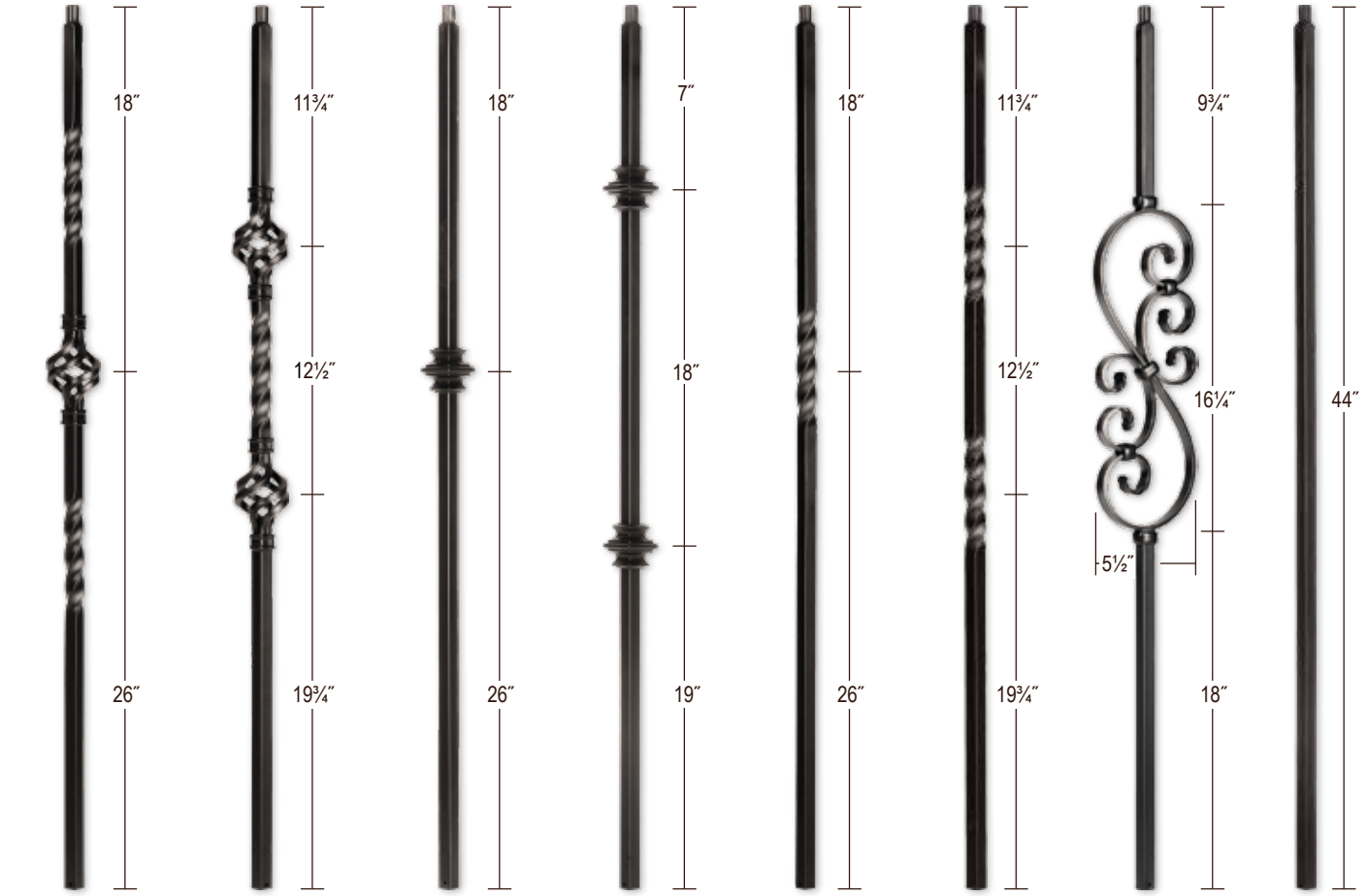
*Shoes shown below are compatible with the **1/2" ROUND** balusters above.*

LI-R08F
No Set Screw
Iron

LI-R09P
With Set Screw
Iron

Mega Collection - ¾" □

L.J. Smith stair systems



☐ 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	☐	☐	☐	☐
LIH-MG2BASK44	☐	☐	☐	☐
LIH-MG1KNUC44	☐	☐	☐	☐
LIH-MG2KNUC44	☐	☐	☐	☐
LIH-MG1TW44	☐	☐	☐	☐
LIH-MG2TW44	☐	☐	☐	☐
LIH-MG50144	☐	☐	☐	☐
LIH-MGPLA44	☐	☐	☐	☐
LI-ALMGFSH08	✓	✓	✓	✓
LI-ALMGM08	✓	✓	✓	✓
LI-ALMGPSH08	✓	✓	✓	✓

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

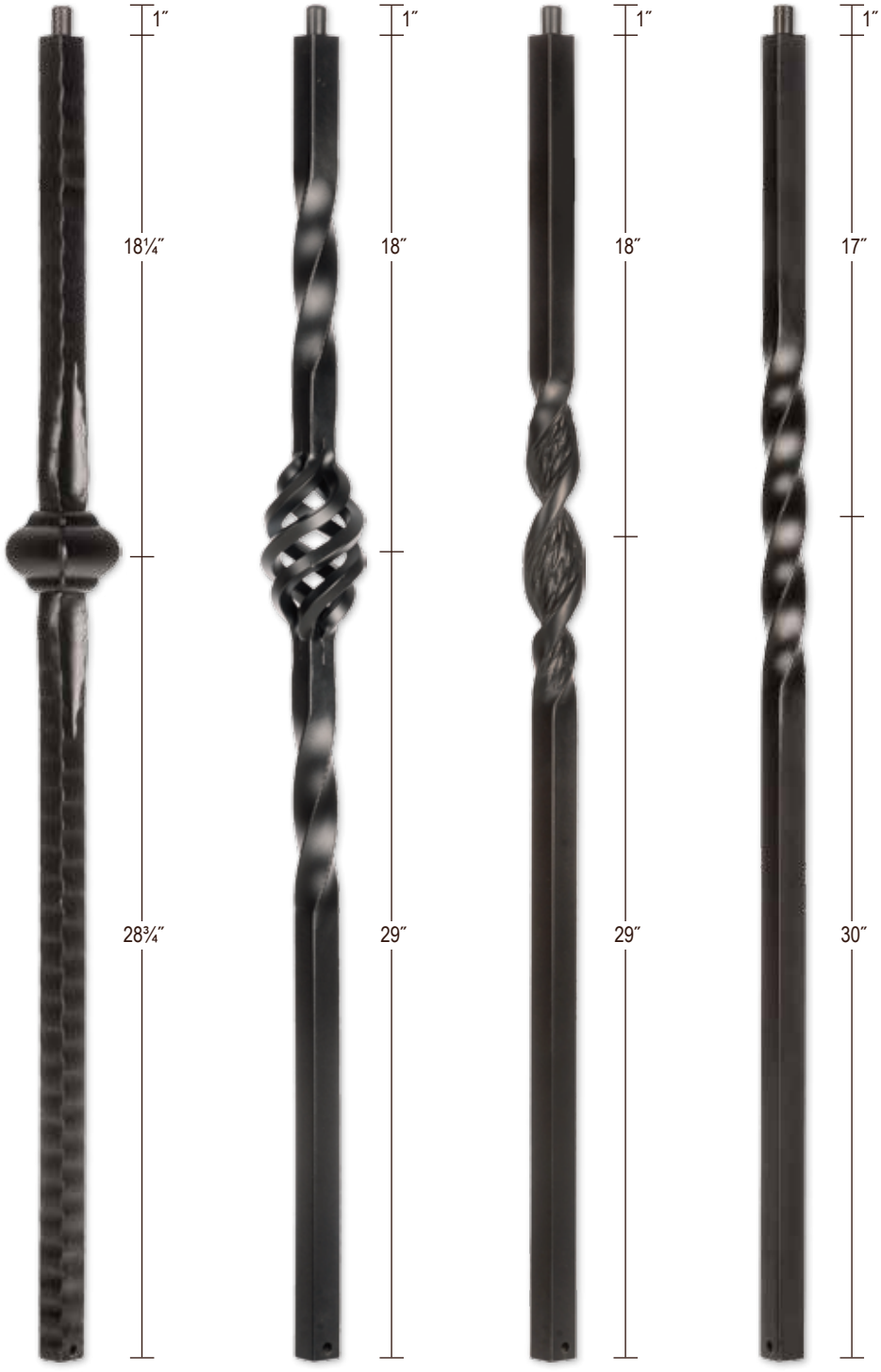
*Shoes shown below are compatible with the **3/4" SQUARE** balusters shown on this page.*

LI-ALMGFSH08
No Set Screw
Aluminum

LI-ALMGM08
With Set Screw
Aluminum

LI-ALMGPSH08
With Set Screw
Aluminum

Iron Newels - 1 3/16" ■



■ LI-NWL14048 ■ LI-NWLBASK48 ■ LI-NWLRIB48 ■ LI-NWLTW48

LI-NWLFSH
Newel Collar and Mounting Kit

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

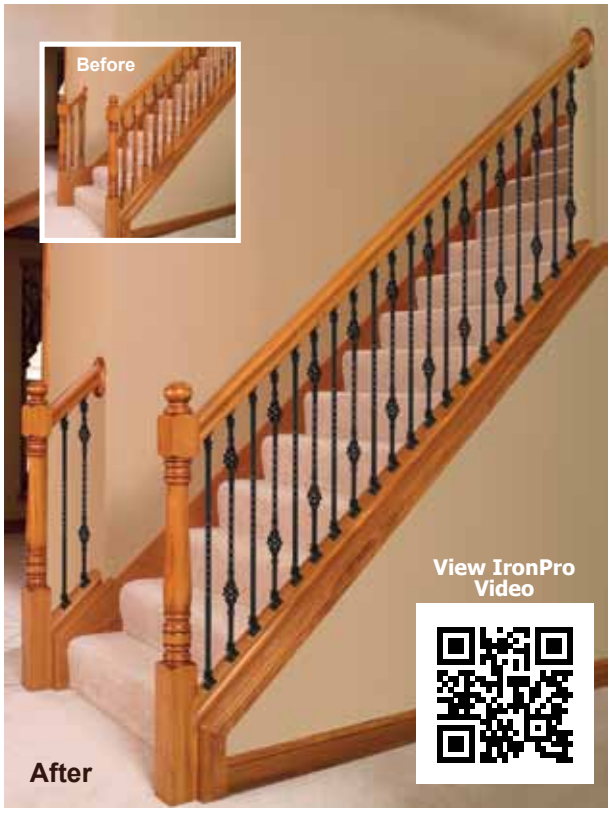
Post to Post

Over the Post

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™ features:

- Full Flexibility
  - Adjusts to up to 45° angle of ascent
  - Open Tread and Kneewall Stairways
- Unsurpassed Durability
  - Balusters are screwed into place
- DIY Simple Installation
  - No holes to drill for most applications
  - Doesn't require high-skilled labor
- Elegant Look
  - Unique and sophisticated attachment hardware

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

2 At the baluster locations, attach ball adaptor and round or rectangular socket to 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.

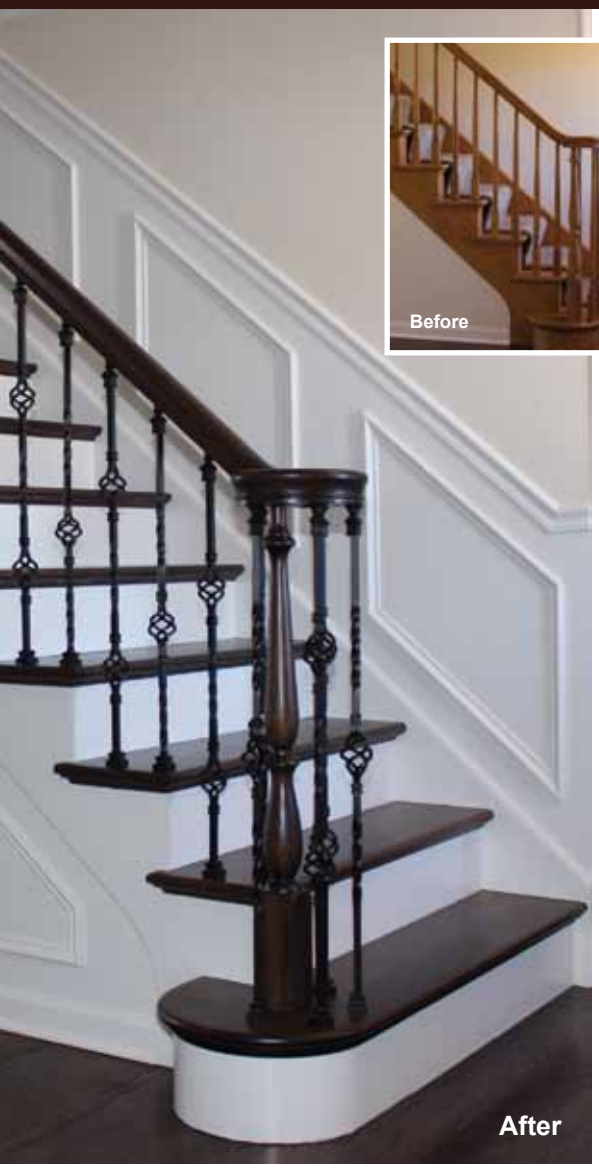
Pivot Baluster

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

Detailed instructions are available at www.LJSmith.com

Iron Balusters using IronPro

L.J. Smith stair systems



Finished Look:

Open Tread Top Connection

Kneewall Stair Top Connection

Open Tread Bottom Connection

Kneewall Stair Bottom Connection

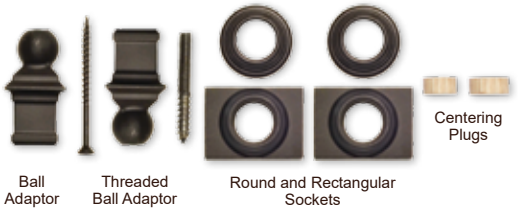
How to Select IronPro™ Components . . .

Open Tread Stairway

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

Kneewall Stairway

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



Level Sections (if applicable)

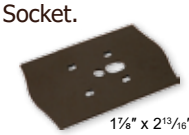
Select one *IronPro*™ **Level Kit** for each baluster you plan to install on level sections. This is the same packet as is used for an Open Tread Stairway (above). A **Kneewall Kit** can be used on level sections, if preferred.

Optional Products Available . . .

Used when replacing wood balusters with IronPro™

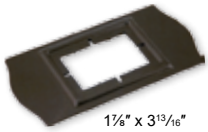
Universal Cover Plate

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



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.

Iron Adhesive & Touch-up Pens

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 caulking 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)

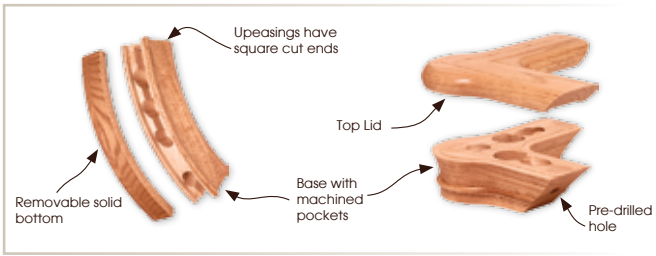
LI-PEN-SB	Satin Black
LI-PEN-MB	Matte Black
LI-PEN-SV	Silver Vein *
LI-PEN-ABZ	Antique Bronze *
LI-PEN-ORB	Oil Rubbed Bronze *
LI-PEN-ORC	Oil Rubbed Copper *

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

Handrail Fittings

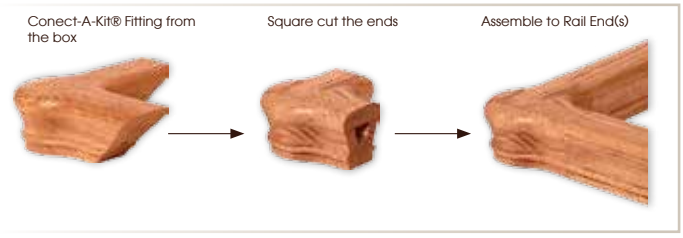
L.J. Smith offers two types of handrail fittings in all of the handrail profiles shown near the bottom of this page. Our "Traditional" fittings utilize rail bolts for installation. L.J. Smith also offers an exclusive, patented line of fittings called "Conect-A-Kit®." These unique fittings provide tremendous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

What's Inside...



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

Conect-A-Kit® Fittings for Common Stairway Applications



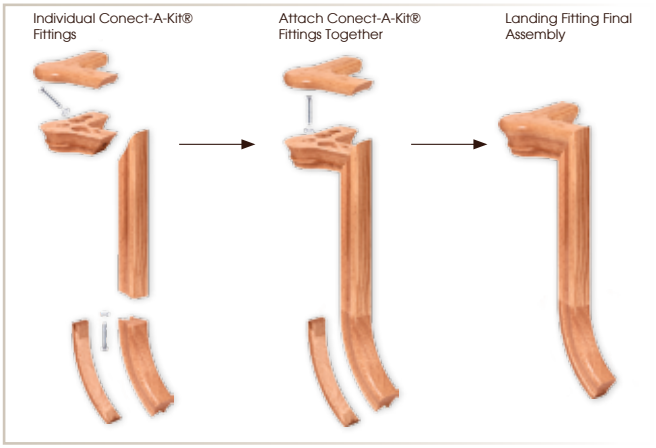
Conect-A-Kit® fittings provide several advantages:

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

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

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

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

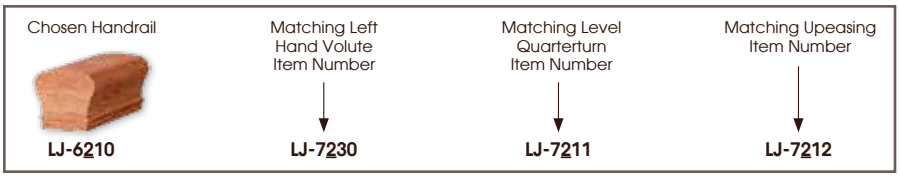


Conect-A-Kit® fittings and traditional fittings are available in the handrail profiles shown below. When the handrail chosen is plowed, designate a plowed fitting with a "P" suffix. Fillet is included with each plowed fitting. Note: some fittings are available plowed 1¼" or 1¾" and some are not available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

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

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

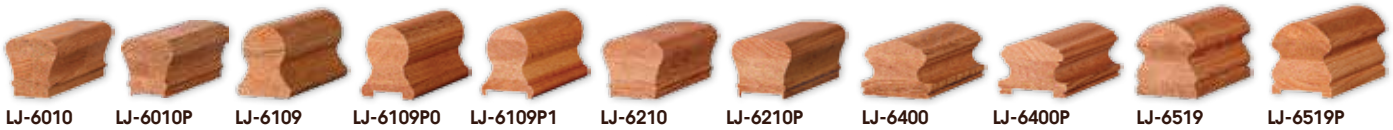


How to Install Conect-A-Kit® Fittings

Handrail Fittings

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

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



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®
Starting Easing with Cap*

Traditional
Starting Easing with Cap*

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

Traditional
Vertical Volute

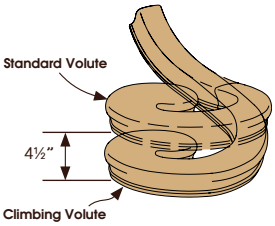
LJ-7038 ..... (use with LJ-6010)
LJ-7138 ..... (use with LJ-6109)
LJ-7238 ..... (use with LJ-6210)
LJ-7438 ..... (use with LJ-6400)
LJ-7538 ..... (use with LJ-6519)
LJ-7638 ..... (use with LJ-6601)
LJ-7738 ..... (use with LJ-6701)
LJ-7938 ..... (use with LJ-6900)
LJ-7A38 ..... (use with LJ-6A10)
LJ-7B38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

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

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**



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.

Conect-A-Kit® Left Hand Standard Volute*

Conect-A-Kit® Right 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)**

Traditional Left Hand Standard Volute*

Traditional Right 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)**

Conect-A-Kit® 3" Left Hand Turnout*

Conect-A-Kit® 3" Right 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)**

Traditional 3" Left Hand Turnout*

Traditional 3" Right 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)**

Conect-A-Kit® 5" Left Hand Turnout*

Conect-A-Kit® 5" Right 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)**

Traditional 5" Left Hand Turnout*

Traditional 5" Right 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)**

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

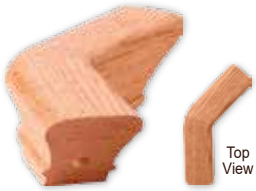
Traditional Returned End

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

Conect-A-Kit® Level Quarterturn 90°

Traditional Level Quarterturn 90°

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**



Conect-A-Kit® Level Quarterturn 135°

Traditional Level Quarterturn 135°

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°

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)**

Conect-A-Kit® Upeasing 90°

Traditional Upeasing 90°

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)**

Traditional Over Easing 60°

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

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

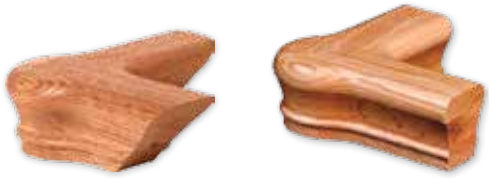
LJ-7015 (P)	(use with LJ-6010)	S-7015 (P)
LJ-7115 (P)	(use with LJ-6109)	S-7115 (P)
LJ-7215 (P)	(use with LJ-6210)	S-7215 (P)
LJ-7415 (P)	(use with LJ-6400)	S-7415 (P)
LJ-7515 (P)	(use with LJ-6519)	S-7515 (P)
LJ-7615 (P)	(use with LJ-6601)	S-7615 (P)
LJ-7715 (P)	(use with LJ-6701)	S-7715 (P)
LJ-7915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

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

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

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

LJ-7020	(use with LJ-6010)	S-7020
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

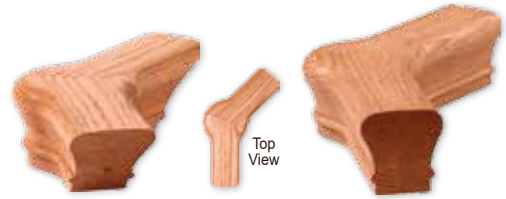


Conect-A-Kit® Quarterturn with Cap 90° | Traditional Quarterturn with Cap 90°

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

Conect-A-Kit® Rail Drop

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



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

LJ-7021-135	(use with LJ-6010)	S-7021-135
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

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

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 | Traditional 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 Left Hand "S" Shaped Fitting

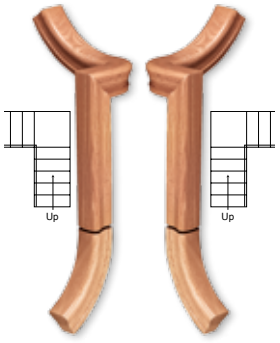
LJ-7047	(use with LJ-6010)	LJ-7048
LJ-7147	(use with LJ-6109)	LJ-7148
LJ-7247	(use with LJ-6210)	LJ-7248
LJ-7447	(use with LJ-6400)	LJ-7448
LJ-7547	(use with LJ-6519)	LJ-7548
LJ-7647	(use with LJ-6601)	LJ-7648
LJ-7747	(use with LJ-6701)	LJ-7748
LJ-7947	(use with LJ-6900)	LJ-7948
LJ-7A47	(use with LJ-6A10)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

Traditional Right Hand "S" Shaped Fitting

Handrail Fittings

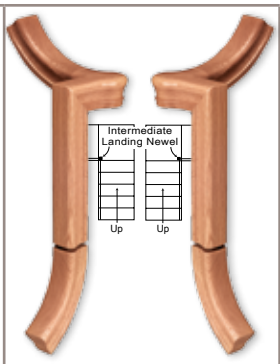
We offer traditional 2-rise gooseneck fittings shown on the top of these two pages. Goosenecks (Landing Fitting Assemblies) can also be assembled from various combinations of the seven Conect-A-Kit component fittings shown along the left edge of this page. Use the chart on these two pages to determine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

How to use this chart — Each box to the right shows a group of traditional gooseneck fittings. The rows below each group indicate which Conect-A-Kit component fittings, and how many of each, are required to build any 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.



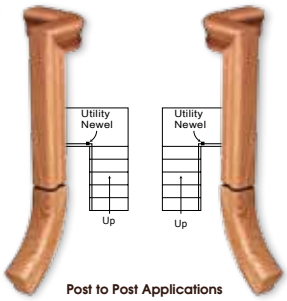
Traditional LH Gooseneck | **Traditional RH Gooseneck**

S-7050..... (use with LJ-6010) ... **S-7055**
S-7150..... (use with LJ-6109) ... **S-7155**
S-7250..... (use with LJ-6210).... **S-7255**
S-7450..... (use with LJ-6400).... **S-7455**
S-7550..... (use with LJ-6519).... **S-7555**
S-7650..... (use with LJ-6601).... **S-7655**
S-7750..... (use with LJ-6701).... **S-7755**
S-7950..... (use with LJ-6900).... **S-7955**
S-7A50..... (use with LJ-6A10)... **S-7A55**
S-7B50..... (use with LJ-6B10).... **S-7B55**



Traditional LH Gooseneck | **Traditional RH Gooseneck**

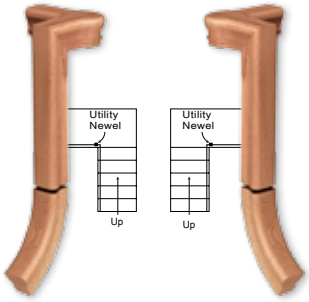
S-7060... (use with LJ-6010) ... **S-7065**
S-7160.... (use with LJ-6109) .. **S-7165**
S-7260.... (use with LJ-6210) ... **S-7265**
S-7460.... (use with LJ-6400) ... **S-7465**
S-7560.... (use with LJ-6519) ... **S-7565**
S-7660.... (use with LJ-6601) ... **S-7665**
S-7760.... (use with LJ-6701) ... **S-7765**
S-7960.... (use with LJ-6900) ... **S-7965**
S-7A60.... (use with LJ-6A10) .. **S-7A65**
S-7B60.... (use with LJ-6B10) ... **S-7B65**



Post to Post Applications

Traditional LH Gooseneck | **Traditional RH Gooseneck**

S-7071..... (use with LJ-6010) ... **S-7076**
S-7171..... (use with LJ-6109) ... **S-7176**
S-7271..... (use with LJ-6210).... **S-7276**
S-7471..... (use with LJ-6400).... **S-7476**
S-7571..... (use with LJ-6519).... **S-7765**
S-7671..... (use with LJ-6601).... **S-7676**
S-7771..... (use with LJ-6701).... **S-7776**
S-7971..... (use with LJ-6900).... **S-7976**
S-7A71..... (use with LJ-6A10)... **S-7A76**
S-7B71..... (use with LJ-6B10).... **S-7B76**

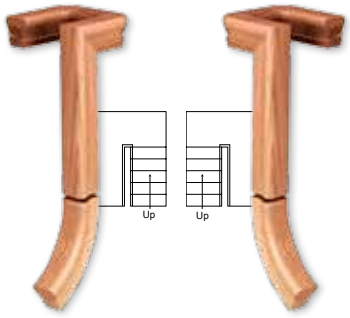
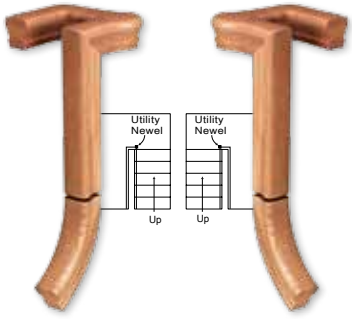
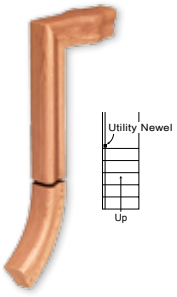
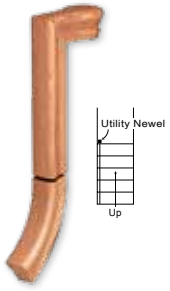
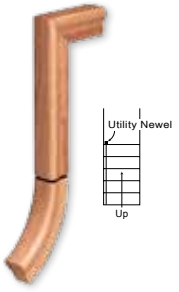


Traditional LH Gooseneck | **Traditional RH Gooseneck**

S-7081..... (use with LJ-6010) ... **S-7086**
S-7181..... (use with LJ-6109) ... **S-7186**
S-7281..... (use with LJ-6210).... **S-7286**
S-7481..... (use with LJ-6400).... **S-7486**
S-7581..... (use with LJ-6519).... **S-7586**
S-7681..... (use with LJ-6601).... **S-7686**
S-7781..... (use with LJ-6701).... **S-7786**
S-7981..... (use with LJ-6900).... **S-7986**
S-7A81..... (use with LJ-6A10)... **S-7A86**
S-7B81..... (use with LJ-6B10).... **S-7B86**

 **Conect-A-Kit Returned End** LJ-7X09				
 **Conect-A-Kit Quarterturn 90°** LJ-7X11	1		1	
 **Conect-A-Kit Upeasing 60°** LJ-7X12	2	2	1	1
 **Conect-A-Kit Opening Cap** LJ-7X19				
 **Conect-A-Kit Tandem Cap** LJ-7X20				
 **Conect-A-Kit Quarterturn w/Cap** LJ-7X21		1		1
 **Conect-A-Kit Rail Drop** LJ-7XRD	1	1	1	1

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

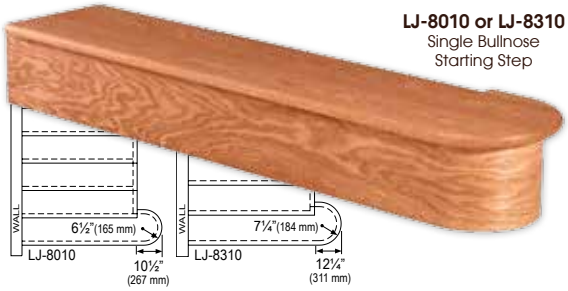
				 Post to Post Applications
Traditional LH Gooseneck / **Traditional RH Gooseneck**	**Traditional LH Gooseneck** / **Traditional RH Gooseneck**	**Traditional Tandem Cap Gooseneck**	**Traditional Cap Gooseneck**	**Traditional Gooseneck**
S-7090-2.... (use with LJ-6010) .... **S-7095-2** **S-7190-2**.....(use 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**	**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**	**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)	**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)	**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)
				1
2	**1**			
1	**1**	**1**	**1**	**1**
			1	
		1		
	1			
1	**1**	**1**	**1**	**1**

Starting Steps

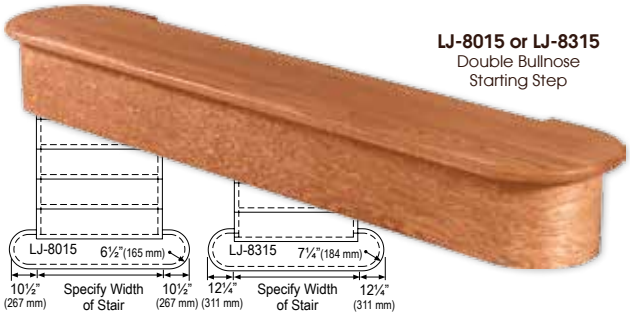
We offer a wide variety of Starting Steps to accommodate nearly any application. Each step is shipped with the necessary cove and shoe moulding. The standard length is 48"(1219 mm)**, however, longer lengths are also available. Single bullnose steps are reversible and can be job cut for shorter lengths. Specifications: Treads are 1"**(25 mm) **x 11 ½"**(292 mm)**; total rise on all steps is 8"**(203 mm)**; risers measure ¾"**(19 mm) **x 7"**(178 mm).

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

LJ-8010 or LJ-8310
Single Bullnose
Starting Step



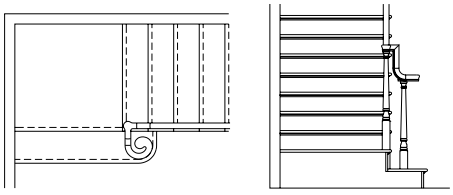
LJ-8015 or LJ-8315
Double Bullnose
Starting Step



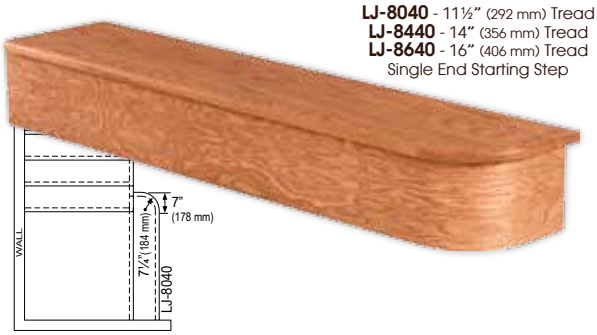
LJ-8210
Bowed Single Bullnose
Starting Step
48"(1219 mm) & 60"(1524 mm)
widths only

LJ-8215
Bowed Double Bullnose
Starting Step
48"(1219 mm) width only

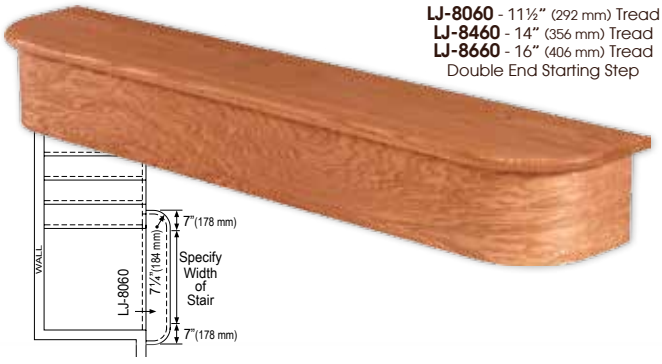
Steps for use with Square Top Newels, Box Newels and 90 Starting Fittings — For Box Newels or when placing any square top utility newel at the second riser, use LJ-8040 and LJ-8060 steps. For starting fittings utilizing a 90° upeasing, as illustrated to the right, use LJ-8440, LJ-8460, LJ-8640 and LJ-8660 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.



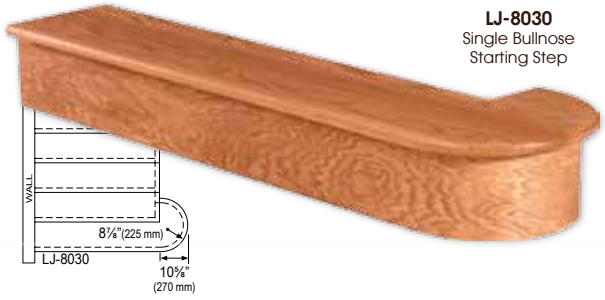
LJ-8040 - 11½" (292 mm) Tread
LJ-8440 - 14" (356 mm) Tread
LJ-8640 - 16" (406 mm) Tread
Single End Starting Step



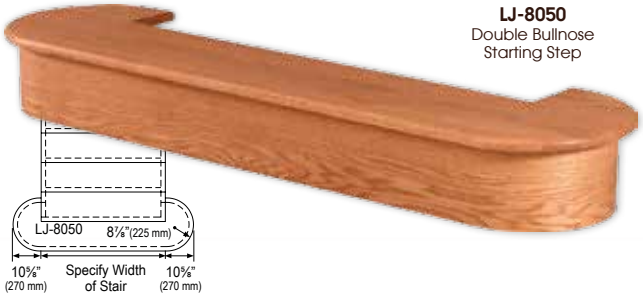
LJ-8060 - 11½" (292 mm) Tread
LJ-8460 - 14" (356 mm) Tread
LJ-8660 - 16" (406 mm) Tread
Double End Starting Step



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



LJ-8030
Single Bullnose
Starting Step



LJ-8050
Double Bullnose
Starting Step

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

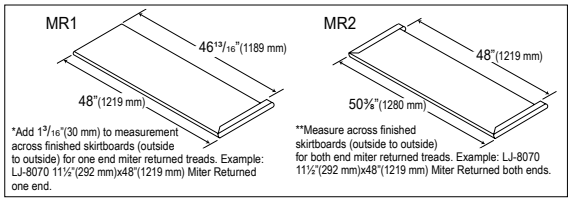
LJ-8070MR2**
Tread with Miter Returns
on both ends
1" x 10½" or 11½"
(25 mm x 267 mm or 292 mm)

LJ-8070LH*
Tread with Miter Return Left Hand
LJ-8070RH*
Tread with Miter Return Right Hand
LJ-8070MR1 Reversible*
Tread with Miter Return on one end,
but is reversible for LH or RH
All above are 1" x 10½" or 11½" (25 mm x 267 mm or 292 mm)

LJ-8070
Plain Tread
1" x 10½" or 11½"
(25 mm x 267 mm or 292 mm)

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

LJ-8074MR1 Reversible*
Hybrid Reversible Tread with Miter Return
on one end for LH or RH applications
1" x 11½" x 48", 54" or 60"
(25 mm x 292 mm x 1219 mm, 1372 mm or 1524 mm)



LJ-8912
Skirtboard
¾" x 11¼" x 8',
12', 14' and 16'
(19 mm x 286 mm x
2438 mm, 3658 mm,
4267 mm and 4877 mm)

LJ-8950
Skirtboard Cap Moulding
11/16"(17 mm) x 1 1/8"(29 mm) x
random length

LJ-8075
Riser
¾" x 7½" or 8
(19 mm x 191 mm or 203 mm)

LJ-8090-5
5¼"(133 mm)
Landing Tread

LJ-8080
Lineal Tread Nosing
1 1/16"(27 mm) x 1 3/16"(30 mm) x
random length

LJ-8080-13
Single Tread Return
1 1/16"(27 mm) x 1 3/16"(30 mm) x
13"(330 mm)

LJ-8095
Lineal Cove Moulding
5/8"(16 mm) x 13/16"(21 mm) x
random length

LJ-8422
Lineal Shoe Moulding
½"(13 mm) x ¾"(19 mm) x
random length

LJ-8090
3½"(89 mm)
Landing Tread

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
¾" thick
(19 mm)

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

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

LJ-7027
6½" 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
11½" x 8 1/8"x 5/16"
(292 mm x 206 mm x 8 mm)

LJ-7029
11½" x 8 1/8"x 5/16"
(292 mm x 206 mm x 8 mm)

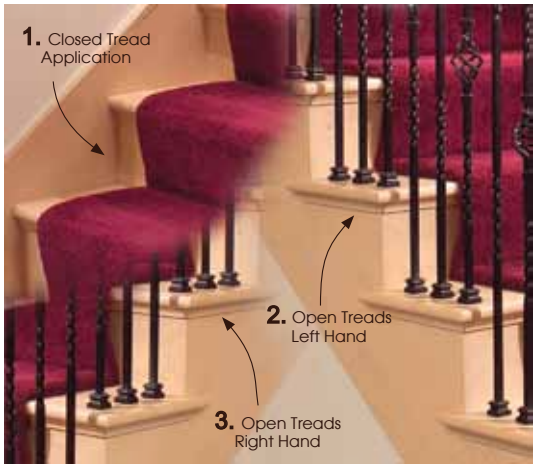
False Ends — False Starting Steps and False Treads and Risers are often used when carpeting will be placed on the center of the treads and risers on a stairway. We offer a variety of kits for finishing off your stairway treads.

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 ½"
(279 mm x 152 mm x 13 mm)
Riser is 8" x 6" x ½"
(203 mm x 152 mm x 13 mm)

LJ-8179
Double Miter ReturnFalse Tread Kit
This kit can accommodate applications 2 & 3, as pictured above.
Tread with attached moulding is 12½" x 7¼"
(318 mm x 184 mm)
Riser is 8" x 6" x ½"
(203 mm x 152 mm x 13 mm)

S-8071RH
Right Hand False Tread
Use with LJ-8076 to accommodate application 3 pictured above.
13 7/8" x 5¼"
(352 mm x 133 mm)

S-8071LH
Left Hand False Tread
Use with LJ-8076 to accommodate application 2 pictured above.
13 7/8" x 5¼
(352 mm x 133 mm)

LJ-8172
Closed False Tread Kit
This kit can accommodate application 1, as pictured above.
Tread with attached moulding is 12¼" x 6"
(311 mm x 152 mm)
Riser is 8" x 6" x ½"
(203 mm x 152 mm or 13 mm)

LJ-8078
Lineal False Tread Moulding
1¼"(32 mm) x 1 13/16"(21 mm) x random length

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 ½"
(203 mm x 152 mm x 13 mm)

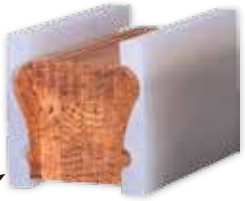
S-8072
False Tread
Use with LJ-8076 to accommodate application 1 pictured above.
13 7/8" x 5¼"
(352 mm x 133 mm)

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-6010BM
LJ-6910BM



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)

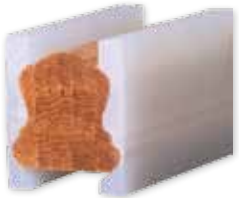
LJ-6701BM
Pine Bending Mould
for LJ-6701B

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.

LJ-6040
1¾" x 1⅝"
(44 mm x 41 mm)

LJ-6041
2" Round
(51 mm)

LJ-6042
2¼" x 1¼"
(57 mm x 33 mm)

LJ-6039
1¾" (44 mm) Round
(fittings not available)

LJ-6040 FITTINGS

LJ-7023
Quarterturn

LJ-7024
Starting Easing

LJ-7025
Over Easing

LJ-6041 FITTINGS

LJ-7001
Quarterturn

LJ-7002
Starting Easing

LJ-7003
Over Easing

LJ-6042 FITTINGS

LJ-7005
Quarterturn

LJ-7006
Starting Easing

LJ-7007
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 2¾" (70 mm).
NOTE: Finish color may vary.

LJ-3127-BB
Polished Brass

LJ-3127-PC
Polished Chrome

LJ-3127-AN
Antique Nickel

LJ-3127-BZ
Oil Rubbed Bronze

LJ-3127-SN
Satin Nickel

LJ-3127-BM
Black Matte

LJ-3012-BB
Polished Brass

LJ-3012-PC
Polished Chrome

LJ-3012-AN
Antique Nickel

LJ-3012-BZ
Oil Rubbed Bronze

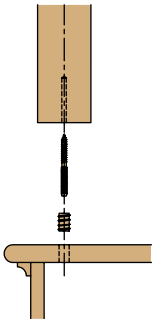
LJ-3012-SN
Satin Nickel

LJ-3012-BM
Black Matte

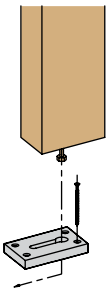
Installation Hardware

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

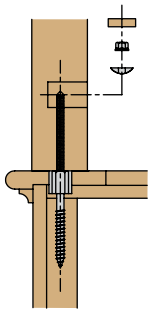
Newel Mounting Hardware



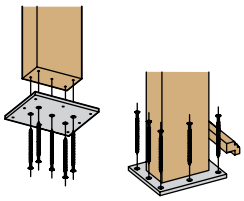
LJ-3004 Newel Mounting Kit — This kit is fully concealable. Use on finished floor surfaces, landings, and starting steps.



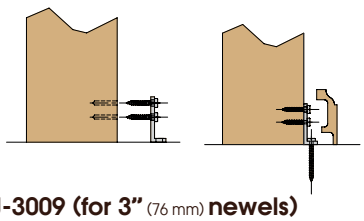
LJ-3005 Keylock™ Newel Post Fastener — This kit is fully concealable. Use on finished floor surfaces, stairs, ceramic tile and concrete.



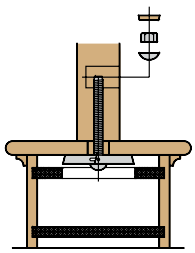
LJ-3070 Threadlock™ Newel Post Fastener — Use to mount newel posts on finished floor surfaces.



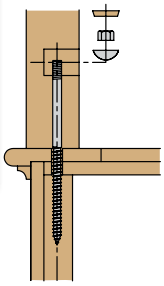
LJ-3006 Newel Mounting Plate — Use to mount 3" (76 mm) to 3½" (89 mm) newel posts on finished floor surfaces.

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



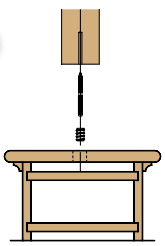
LJ-3071 Toggle Bolt Newel Mounting Kit — Use to mount newel posts on starting steps.



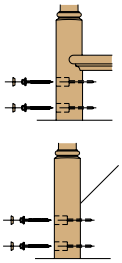
LJ-3008 (16" (406 mm) lag bolt)
LJ-3008-10 (10¾" (273 mm) lag bolt)
Hanger Bolt Newel Mounting Kit — Use to mount newel posts on finished floor surfaces.

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

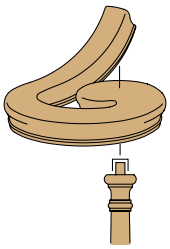
Use to flush mount the utility newel on a starting step or other finished floor surface

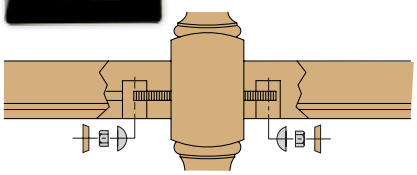


Use to face mount the utility newel to the face of the riser or end of a kneewall



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



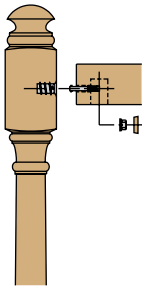


LJ-3077 Rails2Post Connector™ — Use this kit to connect two rails to a post to post newel on a level run. It is simple to use and provides a quicker and stronger installation than rail bolts.

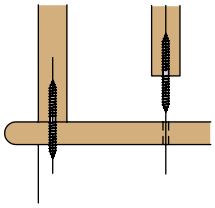
Installation Hardware

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.

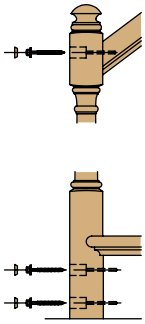
Miscellaneous Hardware



LJ-3075 Flush Mount Kit — Use to fasten handrail to newels in flush mount applications.



LJ-3076 Dowel-Fast Screws — Pack of 50 5/16" x 2½" full thread dowel screws to attach balusters to treads and landing tread.



LJ-3078 Rail & Post Fastener — Use to fasten handrails to newel posts or newel posts to stair risers.

LJ-3079*
LJ-3080 (10 Pack)
Rail Bolt Kit(s)
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.

LJ-3020
LJ-3021 (10 Pack)
Wood Glue
Aliphatic resin in Pressure Point syringe for neat and accurate placement of glue.

LJ-3022
LJ-3023 (10 Pack)
Realwood
Water-based putty in Pressure Point syringe fills defects, cracks and nail holes.

LJ-3024 (100 Pack)
½" (13 mm) **Tapered Plugs**
LJ-3025 (25 Pack)
1" (25 mm) **Tapered Plugs**
Face grain tapered plugs are designed for flush mount installations to cover bolt holes in handrail and newel posts.

LJ-3026 (50 Pack)
½" (13 mm) **Button Plugs**
Face grain button plugs are used to cover bolt holes in newel posts.

LJ-3074 (16 Pack)
Mr. Grip™
These perforated metal strips provide an extremely tight fit between handrail fittings and Over the Post newel posts.

Tread & Riser Layout Tool

1. Create template using the Stair Wizard™

2. Mark the tread using the Stair Wizard™ as the template

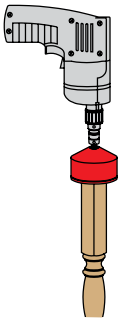
LJ-3052 Stair Wizard™ — This innovative tool allows tread installations to be done in half the time of traditional methods. Our Stair Wizard™ creates an exact template for each tread (or riser), including length, end angles and depth. It's particularly useful for out of square stairs. Simply scribe the 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.

LJ-3053 Extensions — 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.

Installation Tools

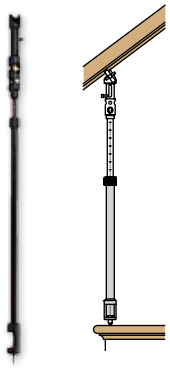
L.J. Smith offers a variety of tools designed specifically for stair installers in order to make marking and installing balusters easier and quicker.

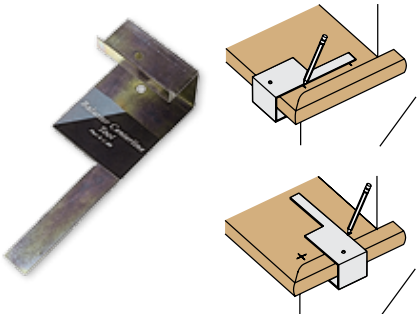
Baluster Marking and Installation Tools



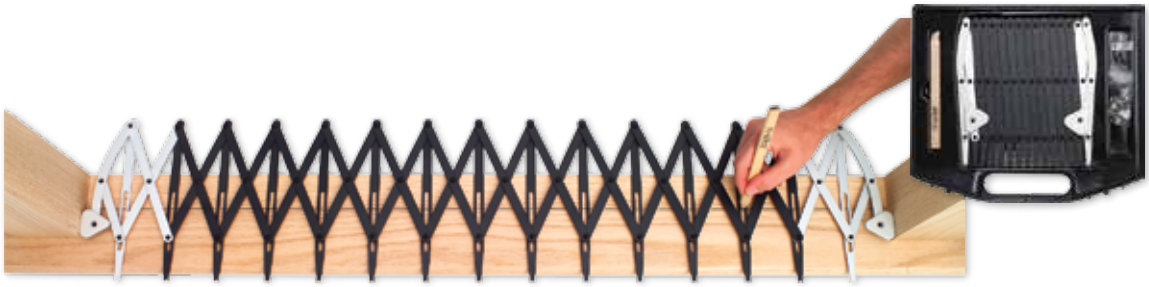
LJ-3035 Centaur® — Centers 9/32" (7 mm) hole in baluster bases for our Dowel-Fast screws. Fits 1¼" (32 mm) and 1¾" (44 mm) balusters. Doubles as a drill bit guide and a centering device.

LJ-3047 Telescoping Baluster Marking Tool — Use for marking baluster locations beneath handrails. Equipped with a bubble level, rule and a ½" (13 mm) x 5/8" (16 mm) extension which extends from 28" (711 mm) to 42" (1067 mm). Pat. No. 5,414,942





C-88 Baluster Centerline Tool — This handy steel tool is used for quick and accurate determination of 1¼" (32 mm) and 1¾" (44 mm) baluster centerlines on the treads of open tread stairways.

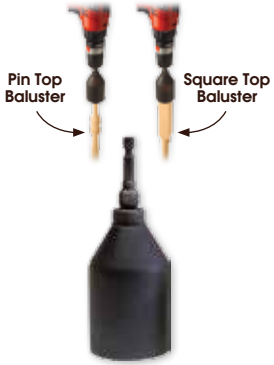


LJ-3090 BalconyPro® — This innovative tool is an expandable assembly that provides a quick and easy method for accurately marking baluster locations on level runs and balconies. The BalconyPro® expands up to 6' (1829 mm) and additional **Marker Stick Assemblies (LJ-3090-1)** can be purchased to increase the expansion up to 10'. Comes in a handy protective hard case. Patent No. 6,854,196.

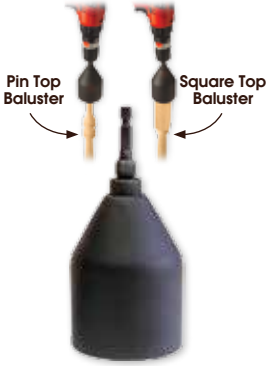
LJ-3090-1 Single Marker Stick Assembly

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 1¼" (32 mm) balusters and another for 1¾" (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 ¼" & 1 ¾" Baluster Runner™ Set



LJ-3084-1
1 ¼" Baluster Runner™



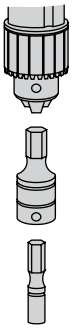
LJ-3084-2
1 ¾" Baluster Runner™

LJ-3084-3
Baluster Wrench

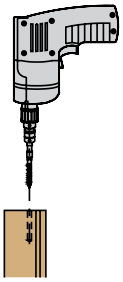
Installation Tools

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.

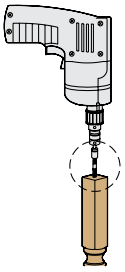
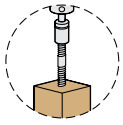
Chuck-Buster Tools



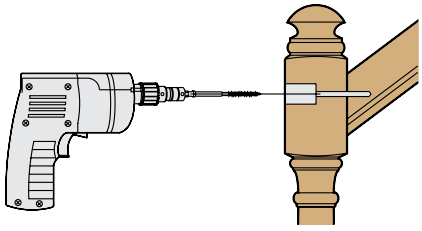
LJ-3031 Chuck-Buster — Quickly connects and releases many tools from 3/8" or larger chucks. Saves time by eliminating additional drills and the use of a chuck key.



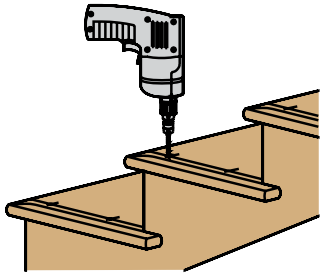
LJ-3032 Rail Bolt-Runner — This drill attachment has machine threads to drive rail bolts into handrail, fittings, newels, and walls.

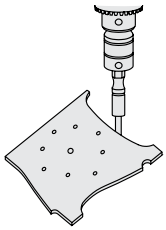
LJ-3033 Dowel-Runner® — This drill attachment has lag threads to drive dowel screws into baluster bases.



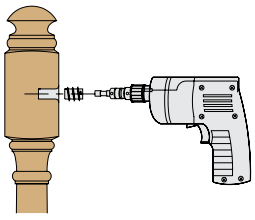
LJ-3034 Screw-Runner — This 4" drill extension has a magnetic end which fits ¼" hex screw tips. This tool provides ease in driving wood screws into newel posts.



LJ-3036 Dowel-Fast Tap — This time-saving tool drills and taps holes for ease of tightening dowel-screwed balusters into treads and landing treads.



LJ-3041 Scraper Sharpener — Use this tool to quickly sharpen any of our handrail scraper profiles found on the following page. Patent No. 5,440,811



LJ-3085 Insert-Runner — Use this drill attachment with our **LJ-3075 Flush Mount Kit** and **LJ-3004 Newel Mounting Kit** to drive the ¾"x1" threaded insert into the appropriate surface.

LJ-3049 Drill Bit Pack — Includes a variety of drill bit sizes required for most stair installations.

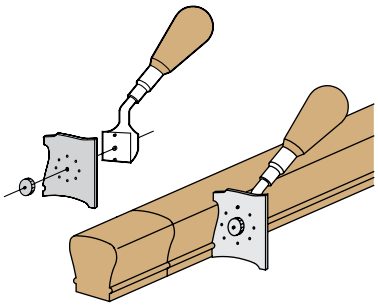
Includes our Chuck-Buster & Dowel-Fast Tap
Includes these twist bits:
1/8"x6", 5/32"x3½", 3/16"x3½", 3/8"x8",9/32"x4"
Includes these spade bits:
½"x5", 9/16"x5", 5/8"x5",1"x5",1½"x5",¾"x5", and a 5/8"x3" flare bit.

Installation Tools

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-3040-6010	LJ-3040-6109	LJ-3040-6400	LJ-3040-6519	LJ-3040-6701
LJ-6010 & LJ-6210 Profiles	LJ-6109 Profile	LJ-6400 Profile	LJ-6519 Profile	LJ-6701 & LJ-6601 Profiles

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

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-3032 Rail Bolt-Runner
LJ-3033 Dowel-Runner®
LJ-3034 Screw-Runner
LJ-3035 Centaur®
LJ-3036 Dowel-Fast Tap
LJ-3044 VersaTool™
LJ-3040-6010 Scraper
LJ-3085 Insert-Runner
C-88 Centerline Tool
LJ-3047 Telescoping Baluster Marking Tool

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

Custom Capabilities

L.J. Smith stair systems

1. Carved Turnings
2. Acrylic Balusters
3. Stacked Starting Steps
4. Bowed Starting Steps
5. Bowed Treads
6. Bowed Risers
7. Custom Treads
8. Curved Treads
9. Curved Shoe Mould
10. Curved Cove Mould
11. Winder Treads
12. Platforms
13. Transition Fittings
14. Pitch Change Fittings
15. Switchback Fittings
16. Custom Carvings
17. French Twist Volutes
18. Custom Component Fittings
19. Custom Designs
20. Curved Handrail
21. Shaped Handrail
22. Shaped Shoerail
23. Curved Landing Tread
24. Shaped Landing Tread
25. Oversized Landing Tread

Call (740) 269-2221 for a quote or more information.

Spiral Stairs

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

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	**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	**TREADS**	Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1¼" 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	**RISERS**	Select one riser for each step. Select one more riser than treads per each flight because of landing tread (see #4). Note: Landing tread replaces the nosing over the last riser. For false risers see page 81.	80-81		
4	**LANDING TREAD**	Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.	80		
5	**COVE MOULD**	Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.	80		
6	**UTILITY NEWEL**	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.	20-34		
		If using Box Newels, select one for the starting newel at the bottom of the stairway. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed.	36-41		
7	**PIN NEWEL**	Use in the middle of a long rake run of handrail for strength. This newel does not require a handrail fitting. Pin newels are available in two turning styles only.	28-29,32		
8	**INTERMEDIATE LANDING NEWEL**	Select the intermediate landing newel with the 14½" face when not using a landing fitting assembly (gooseneck). If a landing fitting assembly is used, select the 5" face intermediate landing newel. See the Post to Post Newel Applications chart at the bottom of this page for selecting the appropriate Intermediate Landing Newel(s) for your application. Refer to the photos on page 12.	20-34		
		If using Box Newels, select an Intermediate Box Newel. Matching the Box Newel chosen in #6 may require adding additional length to the bottom of the post when used at the intermediate landing.	36-41		
9	**SECOND FLOOR LANDING NEWEL**	Select the 2nd Floor Landing Newel when not using a landing fitting assembly (36" balcony height). 42" balcony height requires the use of a landing fitting assembly. Use the 48" Utility Newel for surface mount when using a landing fitting assembly. If the newel extends below the floor surface, use the 58" Utility Newel with a landing fitting assembly. See the applications chart below...	20-34		
		If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	36-41		
10	**LEVEL RUN NEWEL**	A level run, whether on the 2nd floor or at an intermediate landing, must include newel posts. It should match the post selected for the transition from rake to level or rake to rake (whichever is applicable). For a run of 10 feet or more, use a newel at the midpoint or every 5 to 6 feet. Place a newel at every corner.	20-41		
11	**HALF NEWEL**	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		
	OR				
12	**ROSETTES**	Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	81		
13	**NEWEL MOUNTING HDWE**	Select one of the newel mounting kits for each newel post.	84		
14	**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, 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" rail height, the 42" baluster may not be long enough for use under a landing fitting assembly (gooseneck).	19-34		
		"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".	27,31		
15	**RAKE BALUSTERS FOR KNEEWALL STAIR**	"LJ-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" or 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	19-34		
		"S-" Series Balusters: Select the shortest available baluster at a rate of two or three per tread placed on 4" or 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	27,31		
16	**LEVEL RUN BALUSTERS**	"LJ-" Series Balusters: Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4"or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.	19-34		
		"S-" Series Balusters: Use the 36" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4" or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.	27,31		
17	**HANDRAIL**	Select handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #18 for calculating wall rail.	19-34,82		
18	**WALL RAIL**	If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. Also, see #20 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #25). Select one bracket for each end of the rail and at 2'-3' intervals between.	83 19-34 82		
19	**HANDRAIL FITTINGS** (Landing Fitting Components)	If using a Landing Fitting Assembly (gooseneck) with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 77-78. Specify each Conect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	77-78		
20	**HANDRAIL FITTINGS** (Miscellaneous Components)	If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select two level quarterturns.	75-76		
21	**SHOERAIL FOR KNEEWALL STAIR/LEVEL RUN**	Select shoerail at a rate of 13" per each tread on kneewall. Select shoerail to cover all balcony landing tread, (if desired).	19-34		
22	**FILLET**	Select enough fillet to fill all plowed handrail and all shoerail.	19-34		
23	**DOUBLE-END SCREW**	Select one Dowel-Fast™ double-end wood screw for each baluster installed on open treads or level landings. This is optional, but highly recommended. Double-end wood screws are not needed for balusters installed within shoerail.	85		
24	**BRACKETS** (Open Stairs)	Select one bracket for each tread, (if desired).	81		
25	**HARDWARE**	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 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.

Shortest Utility Newel (48"—5" top face)	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.
Longest Utility Newel (58"—5" top face)	Use this newel as a starting newel for stairs with a 34"-38" rake rail height and for balcony newels that will extend below the floor surface.
2nd Floor Landing Newel (11" top face)	Use this newel for the 2nd floor landing newel when not using a landing fitting assembly (gooseneck). Will achieve a 36" balcony railing height.
Intermediate Landing Newel (73" overall—14½" top face)	Use this newel for a level intermediate landing with no landing fitting assembly (gooseneck).
Intermediate Landing Newel (78" overall—5" top face)	Use this newel at the intermediate landing corner of an L-shaped stair with a landing fitting assembly (gooseneck), including landings with 2-winder or 3-winder treads. This newel is also available in 62" and 73" lengths for the Cornerstone Collection on pages 31-32.

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
		SUPPORT SYSTEM			
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	TREADS	Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1¼" 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	RISERS	Select one riser for each step. Select one more riser than treads per each flight because of landing tread (see #4). Note: Landing tread replaces the nosing over the last riser. For false risers see page 81.	80-81		
4	LANDING TREAD	Select sufficient lineal footage for the entire balcony and width of stairs at each landing. Note: LJ-8090-5 is suitable for all newels up to and including those that are 4" square. Larger newel posts might require the addition of a wood strip.	80		
5	COVE MOULD	Select sufficient lineal footage to go under all tread nosing (including miter-returns) and under all landing tread. Note: cove moulding is not needed under false treads.	80		
		BALUSTRADE			
6	UTILITY NEWEL	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.	20-34		
		If using Box Newels, select one for the starting newel at the bottom of the stairway. If handrail and balusters will be installed on both sides of the bottom of the stairway, two of these newels will be needed.	36-41		
7	PIN NEWEL	Use in the middle of a long rake run of handrail for strength. This newel does not require a handrail fitting. Pin newels are available in two turning styles only.	28-29,32		
8	INTERMEDIATE LANDING NEWEL	Select the intermediate landing newel with the 14½" face when not using a landing fitting assembly (gooseneck). If a landing fitting assembly is used, select the 5" face intermediate landing newel. See the Post to Post Newel Applications chart at the bottom of this page for selecting the appropriate Intermediate Landing Newel(s) for your application. Refer to the photos on page 12.	20-34		
		If using Box Newels, select an Intermediate Box Newel. Matching the Box Newel chosen in #6 may require adding additional length to the bottom of the post when used at the intermediate landing.	36-41		
9	SECOND FLOOR LANDING NEWEL	Select the 2nd Floor Landing Newel when not using a landing fitting assembly (36" balcony height). 42" balcony height requires the use of a landing fitting assembly. Use the 48" Utility Newel for surface mount when using a landing fitting assembly. If the newel extends below the floor surface, use the 58" Utility Newel with a landing fitting assembly. See the Newel Applications chart below...	20-34		
		If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	36-41		
10	LEVEL RUN NEWEL	A level run, whether on the 2nd floor or at an intermediate landing, must include newel posts. It should match the post selected for the transition from rake to level or rake to rake (whichever is applicable). For a run of 10 feet or more, use a newel at the midpoint or every 5 to 6 feet. Place a newel at every corner.	20-41		
11	HALF NEWEL OR	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	ROSETTES	Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	81		
13	NEWEL MOUNTING HARDWARE	Select one of the newel mounting kits for each newel post.	84		
14	RAKE IRON BALUSTERS FOR OPEN TREAD STAIR	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		
15	RAKE IRON BALUSTERS FOR KNEEWALL STAIR	Select iron balusters at a rate of three per tread and spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired.	58,61		
16	LEVEL RUN IRON BALUSTERS	To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place iron balusters on 4" or 6" centers according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired.	57-67		
17	HANDRAIL	Select non-plowed handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #18 for calculating wall rail.	19-34, 82		
18	WALL RAIL	If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. Also, see #20 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #26). Select one bracket for each end of the rail and at 2'-3' intervals between.	83 19-34, 82		
19	HANDRAIL FITTINGS (Landing Fitting Components)	If using a Landing Fitting Assembly (gooseneck) with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 77-78. Specify each Conect-A-Kit fitting component needed to construct the Landing Fitting Assembly(ies) or select traditional gooseneck fittings.	77-78		
20	HANDRAIL FITTINGS (Miscellaneous Components)	If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select two level quarterturns.	75-76		
21	BOTTOM BALUSTER COLLARS	Select one bottom baluster collar for each baluster. See descriptions for applications.	57-67		
22	TOP BALUSTER COLLARS	Select one top baluster collar for each baluster (if desired). See descriptions for applications.	57-67		
23	IRON BALUSTER ACCESSORIES	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		
24	BRACKETS (Open Stairs)	Select one bracket for each tread, (if desired).	81		
25	IRON BALUSTER EPOXY	Select construction epoxy for installing the iron balusters.	71		
26	HARDWARE	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 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.

Shortest Utility Newel (48"—5" top face)	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.
Longest Utility Newel (58"—5" top face)	Use this newel as a starting newel for stairs with a 34"-38" rake rail height and for balcony newels that will extend below the floor surface.
2nd Floor Landing Newel (11" top face)	Use this newel for the 2nd floor landing newel when not using a landing fitting assembly (gooseneck). Will achieve a 36" balcony railing height.
Intermediate Landing Newel (73" overall—14½" top face)	Use this newel for a level intermediate landing with no landing fitting assembly (gooseneck).
Intermediate Landing Newel (78" overall—5" top face)	Use this newel at the intermediate landing corner of an L-shaped stair with a landing fitting assembly (gooseneck), including landings with 2-winder or 3-winder treads. This newel is also available in 62" and 73" lengths for the Cornerstone Collection on pages 31-32.

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 1¼" 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	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 73" intermediate landing newel in 2-winder or 3-winder situations. A 65" intermediate landing newel is also available in the Cornerstone Collection on pages 53-54.	44-55		
12	LEVEL RUN NEWEL	If the balcony is 10 feet or longer, use the 43" utility newel every 5 or 6 feet under a tandem cap. Place a newel at every corner under a quarterturn with cap. Use the 50" utility newel if the newel is to extend below the 2nd floor surface.	44-55		
13	HALF NEWEL OR ROSETTES	Select the half-newel of the same style as the other full newels selected on the balcony.	44-55		
14		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		
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 1¼" balusters, or four 1¾" balusters. Turnouts require two 1¼" balusters, or one 1¾" balusters. 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 1¼" x 36" balusters, or four 1¾" x 36" balusters. Turnouts require two 1¼" x 39" balusters, or one 1¾" 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" or 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" or 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). To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4" or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.	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. To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place balusters on 4" or 6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing.	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 Conect-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 shoerail.	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 surface mounted. (see "Longest Utility Newel" for exception on Starting Easing with Cap)
Longest Utility Newel (50")	Use this newel under a Starting Easing with Cap when a starting step is not used and the rake handrail height is 34" or higher. Can also be used as a balcony newel that will extend below the floor surface.
Intermediate Landing Newel (58")	Use this newel for level intermediate landings.
Intermediate Landing Newel (73")	Use this newel for intermediate landings with 2-winder or 3-winder treads. This newel is also available in 65" length for the Cornerstone Collection on pages 53-54.

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
		SUPPORT SYSTEM			
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 1¼" 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	**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		
		BALUSTRADE			
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	**IRON NEWEL**	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	**WOOD PIN NEWEL**	Use under a vertical volute. This newel is also used in middle of a long rake run of handrail for strength (does not require a handrail fitting). Pin newels are available in two turning styles only.	52, 54-55		
10	**WOOD UTILITY NEWEL (43")**	Use everywhere except at the intermediate landing corner of an L-shaped stair and in situations listed in #9 above. See the Over the Post Newel Applications chart at the bottom of the previous page for further information on over the post wood newel applications.	44-55		
11	**WOOD UTILITY NEWEL (50")**	Use for balcony newel(s) that will extend below the floor surface. Also use under a starting easing with cap when a starting step is not used, and the rake handrail height is 34" or higher.	44-55		
12	**WOOD INTERMEDIATE LANDING NEWEL**	Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 73" intermediate landing newel in 2-winder or 3-winder situations. A 65" intermediate landing newel is also available in the Cornerstone Collection on pages 53-54.	44-55		
13	**WOOD LEVEL RUN NEWEL**	If the balcony is 10 feet or longer, use the 43" utility newel every 5 or 6 feet under a tandem cap. Place a newel at every corner under a quarterturn with cap. Use the 50" utility newel if the newel is to extend below the 2nd floor surface.	44-55		
14	**WOOD HALF NEWEL OR ROSETTES**	Select the half-newel of the same style as the other full newels selected on the balcony.	44-55		
15		Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	81		
16	**NEWEL MOUNTING HARDWARE**	Select an Iron Newel Mounting Kit for each iron newel being used.	68		
		Select one of the newel mounting kits for each wood newel post being used.	84		
17	**IRON BALUSTERS FOR VOLUTES AND TURNOUTS**	Standard volutes require six iron balusters. Climbing volutes require five iron balusters. Turnouts require two iron balusters. Scroll balusters cannot be used under volutes or turnouts.	57-67		
18	**IRON BALUSTERS FOR STARTING EASING WITH CAP**	Use one iron baluster under each Starting Easing with Cap.	57-67		
19	**RAKE IRON BALUSTERS FOR OPEN TREAD STAIR**	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	**RAKE IRON BALUSTERS FOR KNEEWALL STAIR**	Select iron balusters at a rate of three per tread and spaced according to building code compliance. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired. Please check building codes for baluster spacing compliance.	58,61		
21	**LEVEL RUN IRON BALUSTERS**	To determine quantity of balusters needed, measure the total distance between the end newels on each level run. Place iron balusters on 4" or 6" centers according to building code compliance. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly (gooseneck) at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired.	57-67		
22	**HANDRAIL**	Select handrail at a rate of 13" per each tread and include enough for all level runs. Our handrails are available in 8', 10', 12', 14', & 16' lengths. Some are also available in 18' & 20' lengths. See #23 for calculating wall rail.	43-55 82		
23	**WALL RAIL**	If local building codes require wall rail, select wall rail at a rate of 13" per each tread that is closed by a wall. See #25 below. Note: any of our non-plowed handrail profiles may be used as wall rail, however, be sure to check with local building codes for space requirements between the rail and the wall. Wall rail requires wall rail brackets (see #31). Select one bracket for each end of the rail and at 2'-3' intervals between.	83 43-55 82		
24	**HANDRAIL FITTINGS** (Landing Fitting Components)	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	**HANDRAIL FITTINGS** (Miscellaneous Components)	Each newel must be covered with a fitting. Select an opening cap for each half-newel (this fitting will be cut on the job). If continuous handrail is needed to transition from the rake balusters, around a wall, and continue up the stair as wall rail, select the appropriate "S" Fitting or select 2 level quarterturns.	75-76		
26	**BOTTOM BALUSTER COLLARS**	Select one bottom baluster collar for each baluster. See descriptions for applications.	57-67		
27	**TOP BALUSTER COLLARS**	Select one top baluster collar for each baluster (if desired). See descriptions for applications.	57-67		
28	**IRON BALUSTER ACCESSORIES**	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	**BRACKETS** (Open Stairs)	Select one bracket for each tread, (if desired).	81		
30	**IRON BALUSTER EPOXY**	Select construction epoxy for installing the iron balusters.	71		
31	**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		

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