

L. J. Smith[®] Stair Systems



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.



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.

In 1991, we acquired Morgan Stairways, a major competitor in the eastern U.S. This brought us excellent employees, new ideas, and an entirely new group of customers.

The autumn of 1992 brought yet another opportunity with the purchase of Challis Stairways, Inc.—an innovative competitor located in Utah. This acquisition brought some unique products to add to our offering and provided a strategic location from which we could better service our western customers.

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

In 1993, we purchased a Texas stair company—Woodsmiths Design & Manufacturing. This company manufactured stair parts & custom stairways, and was well known for their advanced manufacturing technologies and unique ideas. This acquisition also provided us with another facility

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

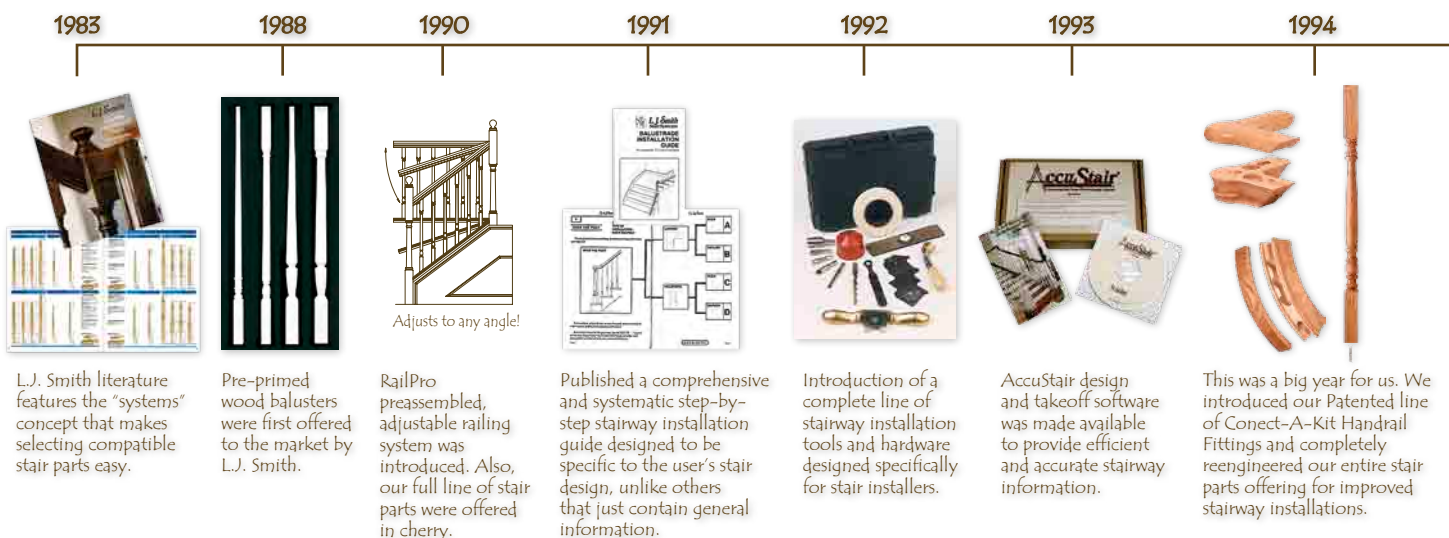


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through which we could better service our customers.

Since 1993, we have made other acquisitions and established other facilities throughout the country so that we're able to meet the needs of our valued customers.

Today, L.J. Smith is one of the largest stair parts manufacturing companies 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.



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

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

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1996	1998	2001	2002	2003	Today
					L.J. Smith furthers its leadership role combining common sense with innovation.
Introduced Climbing Volutes to create a sweeping and elegant beginning to over the post stairways.	Added 32 styles of Ornamental Iron Balusters to our product offering.	Began offering a new line of box newels consisting of fluted, raised and recessed panels—designed to match the millwork theme in many homes.	Introduced a new tool for stair installers—Stair Wizard. As with all of our stairway installation tools, this tool was designed to make stair installations much quicker.	Our BalconyPro tool was introduced to assist in speeding up installations for stair installers.	

Why L.J. Smith?

L.J. Smith products are defined by their unique design—providing uncompromised durability and good looks. The exclusive features of our designs result in unsurpassed strength and the benefits are simply endless. We just can't say enough about our first-rate innovations, so allow us to show you.....

Conect-A-Kit® Handrail Fittings — L.J. Smith designed and patented these very versatile handrail fittings for several reasons:

First, we knew there had to be a better and stronger method for securing handrail fittings to the handrail and to the newel posts. We wanted a system that would produce a stronger overall railing system.

Secondly, we wanted the hardware used to install and assemble them to be totally concealed after installation. This would eliminate the unsightly nail holes, bolt holes, putty or plugs that traditional handrail fittings reveal.

The end result is a group of handrail fittings we call Conect-A-Kit®. The use of lag bolts for assembly, rather than clamp nails and finish nails, makes the entire balustrade much sturdier. This unique design also conceals every bit of the installation hardware.

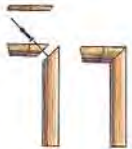
Mission Accomplished!

See pages 84-88 for our complete line of Conect-A-Kit® fittings.

Conect-A-Kit® Fittings



Fittings are bolted to the newel posts for a more secure stair system.



Goosenecks are assembled using lag bolts for tighter and stronger connections.



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

Other Fittings



Finish nails are typically used for securing other fittings to newel posts which pales in comparison to the strength of Conect-A-Kit® fittings.



Traditional gooseneck fittings are assembled with clamp nails.



The use of those clamp nails and wood plugs with traditional fittings speaks for itself!!

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

Our Balusters are Screwed down to the treads

Our Newel Posts are Bolted to the mounting surface

Our Balusters — If you're intrigued by what you just read about our handrail fittings, read on...

As with the handrail fittings, we knew there must be a better and stronger way to secure balusters to the treads, without taking away from the beauty of the stairway with unsightly nail holes, putty or gaps. Our efforts culminated with a system, by which a double-end lag screw is utilized in the bottom of each baluster. This technique pulls the balusters extremely tight against the surface, producing a much stronger railing system....and the hardware is completely concealed.

We also wanted to improve the overall "look" of the balusters going up the stairway. We accomplished this feat by adjusting the turning length and its position on each baluster so that the top and bottom turning details flow parallel to the handrail, giving your stairway that impeccable look of careful design. Our baluster designs can be found on pages 13-14.

Our Balusters



The double-end lag screw securely tightens down each baluster for a much stronger rail system.

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



The turning detail flows with the handrail for that well-designed look.

Other Balusters



Others have a turned wooden pin on the bottom, which is difficult to secure tightly against the tread and could produce a less stable and weaker railing system.

Finish nails are typically used for installation and it is likely there will be obvious nail holes, hopefully, filled with putty.



The detail at the top of the baluster "sort of" flows with the handrail, but the bottom detail flows with the treads producing a haphazard look.

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 classic design in mind, we're certain you will find it within the 41 handsome 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 styles.

Ornamental Iron Balusters — Generations of tradition ensures the fine styling and durability 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 27 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 92.



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

L.J. Smith's unparalleled products are crafted from the finest select materials to create an elegant work of art in every home. The next few pages feature exquisite stairways and words of praise from some proud homeowners, stair installers and homebuilders who have chosen L.J. Smith stair products for their homes.

Mr. David Dickerson, a high-end homebuilder in Florida, uses only L.J. Smith stair parts in his 2-story homes. He states...

"The system from L.J. Smith alleviated a great deal of complexities in a fairly complex stair system. Factory and customer support was there when I needed it."



A very subtle transition from the rake handrail to the level handrail at the second floor is achieved with our overreasing handrail fitting.

For an intriguing blend of "twisted" wood and twisted iron designs, this stairway features our LI-1BASK44 single basket and LI-2TW44 double twist iron balusters, LJT-3010 twist newel post series, LJ-6010 handrail, and a LJ-7036 climbing volute.

This challenging and striking stairway features our LI-30144 scroll and LI-2TW44 iron balusters with LJT-3010 twisted newel posts, LJ-6400 handrail, LJ-7430 and LJ-7435 volutes, and our double bull nose bowed starting step. Each baluster is finished off at the top and bottom with our LI-ALMO6 and LI-ALPSHO2 baluster collars. Also notice the LJ-7447 "S" shaped handrail fitting on the left side, which follows around the wall for a continuous handrail all the way up the stairway.

Our expertly crafted stairway components make a dramatic entry into your home...

Featured in the stairway to the right are our box newels and square balusters for a clean-line design. The components featured are LJ-5360 craftsmen balusters with LJ-6400P plowed handrail and LJ-4091 box newels.

Here's a flattering testimonial from an experienced and highly qualified stair installer in Florida...

"To Whom It May Concern,

I'm writing this letter in praise of your company's innovative idea in developing the Conect-A-Kit system. This concept is truly remarkable. I have been using L.J. Smith fittings for years... They are great!...



This system substantially reduces assembly time and creates a very strong joint. It allows for quick and easy assembling and disconnecting of joints while in place. The fitting profiles and milling are very uniform, which also reduces sanding time.

I would like to take this time to commend the L.J. Smith company for continuing to provide the ideas, products and services that set the standard in the stair industry.

Sincerely,
Edward L. Trimner
Trimcraft"

Note: Some of the products depicted in these stairways might differ from the actual products.

Photo Portfolio

You simply won't find
higher quality...



Note: Some of the products depicted in these stairways might differ from the actual products.

Pictured clockwise, from the top:
Featuring our LI-1BASK44 basket and
LI-2TW44 twist iron balusters, combined
with the warmth of wood in our LJ-4091
box newels and LJ-6519 handrail.

Pictured in the second stairway is a post
to post system mixing LJ-5005 balusters
with LJ-4500 newels, LJ-6210P handrail,
LJ-6006 shoerail, LJ-6007 fillet.

The elegant stairway to the right blends
painted LJP-2915 balusters and LJP-3910
newels with the natural wood grain of our
LJ-6900 handrail.

...and more words of praise for our products from another seasoned stair installer from Florida, Mr. Ray Baker...

"L.J. Smith has been in the stair business for well over 100 years. They are the benchmark for all other manufacturers. I can count on consistency in quality and product color.

"Conect-A-Kit has revolutionized the installation of stair parts. One fitting can be used for multiple applications, therefore, reducing the amount of stair part product numbers to select from."

This elegant stairway masterfully blends together our scroll iron balusters and wood handrail, highlighted by the vertical volute. Featured in this work of art are our LJ-30144 and LJ-2TW44 iron balusters with LJ-3513PT and LJ-4270 newel posts, LJ-6010 handrail and LJ-7038 vertical volute.

The Downings achieved the look that they wanted by combining our LJ-4091 box newels with the LJP-2005 balusters and LJ-6210P handrail.

Mr. & Mrs. Downing of Ohio, are the happy owners of this beautiful home featuring an L.J. Smith staircase. Here's what they have to say about our products....

"We wanted the old fashion square newel posts. When people walk in the door, the first thing they say is 'Wow! Look at that stair.' That's what we were looking for."

Mr. Stephen Fenton built the stairway in Mr. & Mrs. Downing's home. He shares why he used L.J. Smith products in this stairway....

"It was the homeowner's preference. I find [L.J. Smith products] to have good quality control and the specifications are consistent."



Photo Portfolio

Within the pages of this catalog
you'll find the perfect design
solution for any stairway...




This inviting staircase features our LIH-HOL1BASK44 basket and LIH-HOL1TW44 twist iron balusters, LJ-4010 newel posts, LJ-6010 handrail, with LJ-7030 and LJ-7035 volutes.


Note: Some of the products depicted in these stairways might differ from the actual products.

This stairway blends stained and painted components for a traditional look. The components featured are our LJC-5360 chamfered craftsmen balusters, LJ-4094 & LJ-4394 box newels, LJ-6210P plowed handrail and LJ-7027 oval rosette.






The use of box newels give this beautiful stairway a fresh, bold look of strength and durability. The combination in the photo to the right blends our LJP-2115 balusters and LJ-6701 handrail with our LJ-4094 recessed panel box newels.




Featured in this all wood stairway are our LJP-2115 balusters, LJP-3310 newel post series, LJ-6A10 handrail, LJ-7A31 and LJ-7A36 climbing volutes.

Homebuilder, Doug Prestier, tells why he uses L.J. Smith products on the stairways in the finest homes that his company builds....



"L.J. Smith has a good fastening system. We like the dowel-screws on the balusters because they don't allow them to rise or tip. We are real happy with [L.J. Smith] and the quality has been good. I don't think anyone else has a fastening system comparable to theirs.

"For us they've been good products. It's been one of those products we don't have to go back on because the system works."



This handsome stairway has all of the first-rate features of wood handrail and twisted newels, with ornate iron balusters. The components include our LI-30144 scroll and LI-2R1B44 ribbon iron balusters, LJ-3040 newel post series, LJ-6400 handrail, and LJ-8215 Bowed Starting Step.

Four Simple Steps for Selecting a

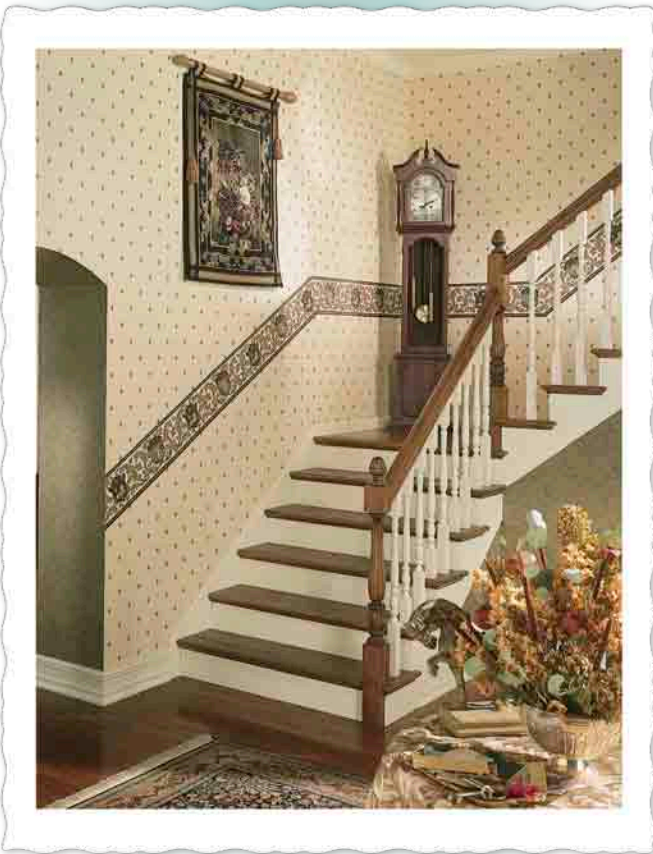
Selecting the component styles for your stairway should be simple, not complicated. L.J. Smith makes this process very easy with these "Four Steps for Selecting a Beautiful Stair System." As you review these steps, you will notice that we offer a very wide variety of styles from which to choose. Our wood stair parts are available in oak, beech, poplar, maple and cherry, however, we will quote 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-6519P Handrail, LJF-3240 Utility Newel, LJF-3246 Intermediate Landing Newel, LJF-2105 Balusters.

Post to Post Systems can be found on Pages 23-47

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 48-63

Beautiful Stair System

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 90-91 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 90-91 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 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 must be selected here.

Four Simple Steps for Selecting a

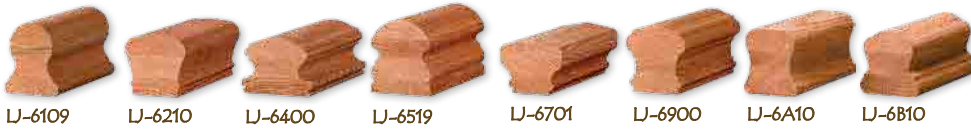
Step 3

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

Step 4

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

NON-PLOWED HANDRAILS



LJ-6109 LJ-6210 LJ-6400 LJ-6519 LJ-6701 LJ-6900 LJ-6A10 LJ-6810

NON-PLOWED HANDRAILS



LJ-6010 LJ-6109 LJ-6601 LJ-6A10 LJ-6810

1 3/4" PIN TOP BALUSTERS



LJB-2915 LJF-2915 LJP-2915 LJF-2115 LJ-2111 LJP-2115 LJP-20158 LJT-2015 LJF-2015 LJP-2015 LJ-53008 LJ-5300 LJ-5370 LJF-5370

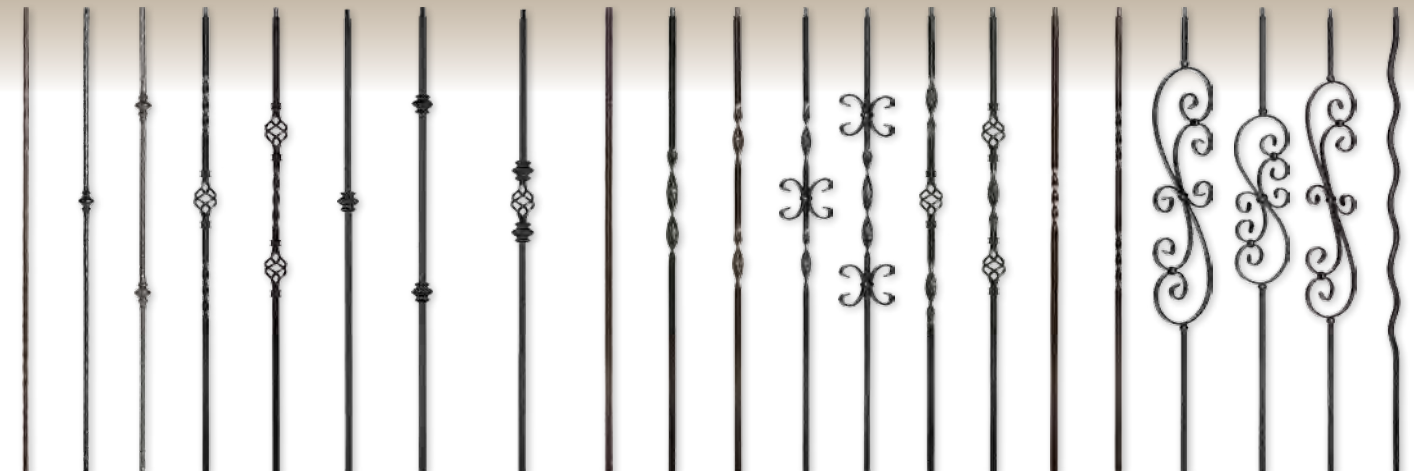
1 1/4" PIN TOP BALUSTERS



LJ-2011 LJ-5015 LJ-5035 LJ-5040 LJ-5200 LJ-5070 LJF-5070

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

ORNAMENTAL IRON BALUSTERS



60044 Page 64 61144 Page 64 61244 Page 64 1BASK44 Pages: 65,71,75,77 2BASK44 Pages: 65,71,75,77 1KNUC44 Pages: 65,71,75,77 2KNUC44 Pages: 65,71,75,77 2KNUC1BASK44 Pages: 65 1LA44 Pages: 65, 71, 77 1R1B44 Page: 66 2R1B44 Page: 66 19044 Page: 66 20044 Page: 66 8044 Page: 66 8544 Page: 66 1TW44 Pages: 67 72,75,77 2TW44 Pages: 67 72,75,77 30144 Pages: 67, 72 50144 Pages: 67 72,74,77 60144 Pages: 67, 74 WAVE44 Page: 67

Beautiful Stair System



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



Square Top Balusters are used with Plowed Handrails

PLOWED HANDRAILS



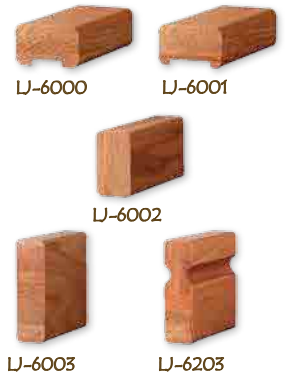
LJ-6005 LJ-6109P1 LJ-6210P LJ-6400P
LJ-6519P LJ-6900P LJ-6A10P1 LJ-6B10P1

PLOWED HANDRAILS



LJ-6010P LJ-6109PO
LJ-6601P LJ-6810PO
LJ-6A10PO

NON-PLOWED HANDRAILS AND PLOWED HANDRAILS



LJ-6000 LJ-6001
LJ-6002
LJ-6003 LJ-6203

1 3/4" SQUARE TOP BALUSTERS



LJB-2905 LJF-2905 LJP-2905 LJF-2105 LJP-2105 LJP-20058 LJT-2005 LJF-2005 LJP-2005 LJ-50058 LJ-5005
Pages: 24, 49 Pages: 25, 50 Pages: 26, 51 Pages: 27-28, 52-53 Pages: 29-30, 54-55 Pages: 31, 56 Pages: 32, 57 Pages: 33, 58 Pages: 34, 59 Pages: 35, 60 Pages: 36, 38, 61

1 1/4" SQUARE TOP BALUSTERS



LJ-5004 LJ-5067 LJ-5141
Pages: 37, 62 Pages: 39-41, 63 Pages: 39-41, 63

1 1/4" SQUARE BALUSTERS



LJ-5360 LJF-5360 LC-5360 LJ-5060 LJF-5060 LC-5060
Pages: 42, 42, 42, 43, 43, 43

1 1/4" SQUARE BALUSTERS



LJ-5360 LJF-5360 LC-5360 LJ-5060 LJF-5060 LC-5060
Pages: 42, 42, 42, 43, 43, 43

More styles available on pages 42-43

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

ORNAMENTAL IRON BALUSTERS



PLA40BLY 40144 40244 40840 41144 10044 11044 13044 9044 13144 13244 33044 30544 30844 31044 14044 15044 16044 14344 65044 65144 65244 65344
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Four Simple Steps for Selecting a

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



LJB-3940 Series Page 24	LJF-3940 Series Page 25	LJP-3940 Series Page 26	LJF-3340 Series Page 27	LJF-3240 Series Page 28	LJP-3340 Series Page 29	LJP-3240 Series Page 30	LJP-30408 Series Page 31	LJT-3040 Series Page 32	LJF-3040 Series Page 33	LJP-3040 Series Page 34	LJ-45008 Series Page 35	LJ-4500 Series Page 36	LJ-4600 Series Page 37	LJ-4004 Series Page 38	LJ-4004COL Series Page 38	LJ-4180 Series Page 39	LJ-4150 Series Page 40
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OVER THE POST STYLES



LJB-3910 Series Page 49	LJF-3910 Series Page 50	LJP-3910 Series Page 51	LJF-3310 Series Page 52	LJF-3210 Series Page 53	LJP-3310 Series Page 54	LJP-3210 Series Page 55	LJP-30108 Series Page 56	LJT-3010 Series Page 57	LJF-3010 Series Page 58	LJP-3010 Series Page 59
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Beautiful Stair System

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 23 to 47 and **OVER THE POST** systems can be found on pages 48 to 63.

POST TO POST STYLES



Many more styles of Box Newels are available on pages 44-46

OVER THE POST STYLES



Stepping Up with L.J. Smith

The variety in our collection of designs is vast and the choice is yours to experience the finest. These next few pages appeal to your imagination... We've taken several pictures of the same "L-shaped" stairway featuring style choices ranging from the clean-line and simple to the elegant and luxurious. Take your time and you'll find a design that will perfectly suit your style, your home.



STAIRWAY #1

Materials List*

- 1 LJ-4042
- 1 LJ-4046
- 1 LJ-4045
- 14 LJ-5015 38"
- 12 LJ-5015 42"
- 16' LJ-6010
- 12 LJ-8079
- 2 LJ-8076
- 10' LJ-8090
- 10' LJ-8095

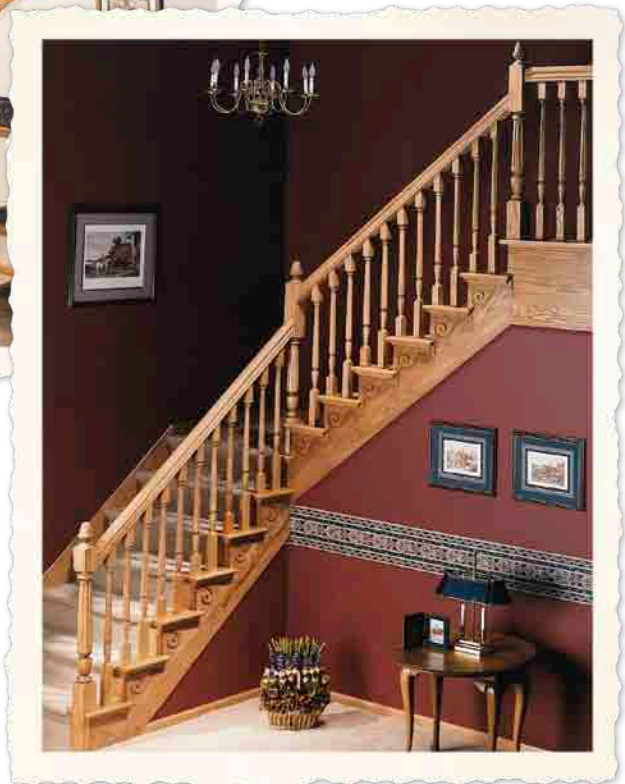
Post to Post Stairways — These two pages illustrate the progression of upgrading the same stairway from basic component styles in stairway #1 up to one of our finer systems in stairway #5.



STAIRWAY #2

Materials List*

- 1 LJ-4182
- 1 LJ-4186
- 1 LJ-4185
- 14 LJ-5141 38"
- 12 LJ-5141 42"
- 16' LJ-6010P
- 16' LJ-6050
- 12 LJ-8079
- 2 LJ-8076
- 10' LJ-8090
- 10' LJ-8095



STAIRWAY #3

Materials List*

- 1 LJF-3042
- 1 LJF-3046
- 1 LJF-3045
- 14 LJF-2005 38"
- 12 LJF-2005 42"
- 16' LJ-6519P
- 16' LJ-6007
- 12 LJ-8079
- 2 LJ-8076
- 10' LJ-8090-5
- 10' LJ-8095
- 11 LJ-7029

*These stairway takeoffs will achieve a rake rail height between 34" and 38".

Stair Systems



STAIRWAY #4

Materials List*

1	LJ-45048
1	LJ-45058
1	LJ-45038
14	LJ-50058 38"
12	LJ-50058 42"
16'	LJ-6519P
16'	LJ-6007
12	LJ-8079
2	LJ-8076
10'	LJ-8090-5
10'	LJ-8095

STAIRWAY #5

Materials List*

3	LJ-4091
14	LJT-2005 38"
12	LJT-2005 42"
16'	LJ-6210P
16'	LJ-6007
12	LJ-8079
2	LJ-8076
10'	LJ-8090-5
10'	LJ-8095



*These stairway takeoffs will achieve a rake rail height between 34" and 38".

Stepping Up with L.J. Smith

Over the Post Stairways — These two pages illustrate the progression of upgrading the same stairway from basic component styles in stairway #1 up to one of our finer systems in stairway #4.



STAIRWAY #2

Materials List*

1	LJP-30148
1	LJP-30158
1	LJP-30108
10	LJP-20058 38"
19	LJP-20058 42"
16'	LJ-6519P
16'	LJ-6007
1	LJ-7535P
3	LJ-7512
2	LJ-75RD
1	LJ-7521
1	LJ-7520
1	LJ-8310-2
11	LJ-8079
2	LJ-8076
10'	LJ-8090-5
10'	LJ-8095

STAIRWAY #1

Materials List*

1	LJ-4014
1	LJ-4015
1	LJ-4010
10	LJ-5015 38"
19	LJ-5015 42"
16'	LJ-6010
1	LJ-7035
3	LJ-7012
2	LJ-70RD
1	LJ-7021
1	LJ-7020
1	LJ-8010-2
11	LJ-8079
2	LJ-8076
10'	LJ-8090
10'	LJ-8095



*These stairway takeoffs will achieve a rake rail height between 34" and 38".

Stair Systems



STAIRWAY #3

Materials List*

- 1 UF-3014
- 1 UF-3015
- 1 UF-3010
- 10 UF-2015 38"
- 19 UF-2015 42"
- 16' U-6210
- 1 U-7235
- 3 U-7212
- 2 U-72RD
- 1 U-7221
- 1 U-7220
- 1 U-8010-2
- 11 U-8079
- 2 U-8076
- 10' U-8090-5
- 10' U-8095
- 11 U-7029

STAIRWAY #4

Materials List*

- 1 U-42748
- 1 U-42758
- 1 U-42708
- 10 U-53008 38"
- 19 U-53008 42"
- 16' U-6400SC
- 1 U-7435
- 3 U-7412
- 2 U-74RD
- 1 U-7421
- 1 U-7420
- 1 U-8310-2
- 11 U-8079
- 2 U-8076
- 10' U-8090-5
- 10' U-8095

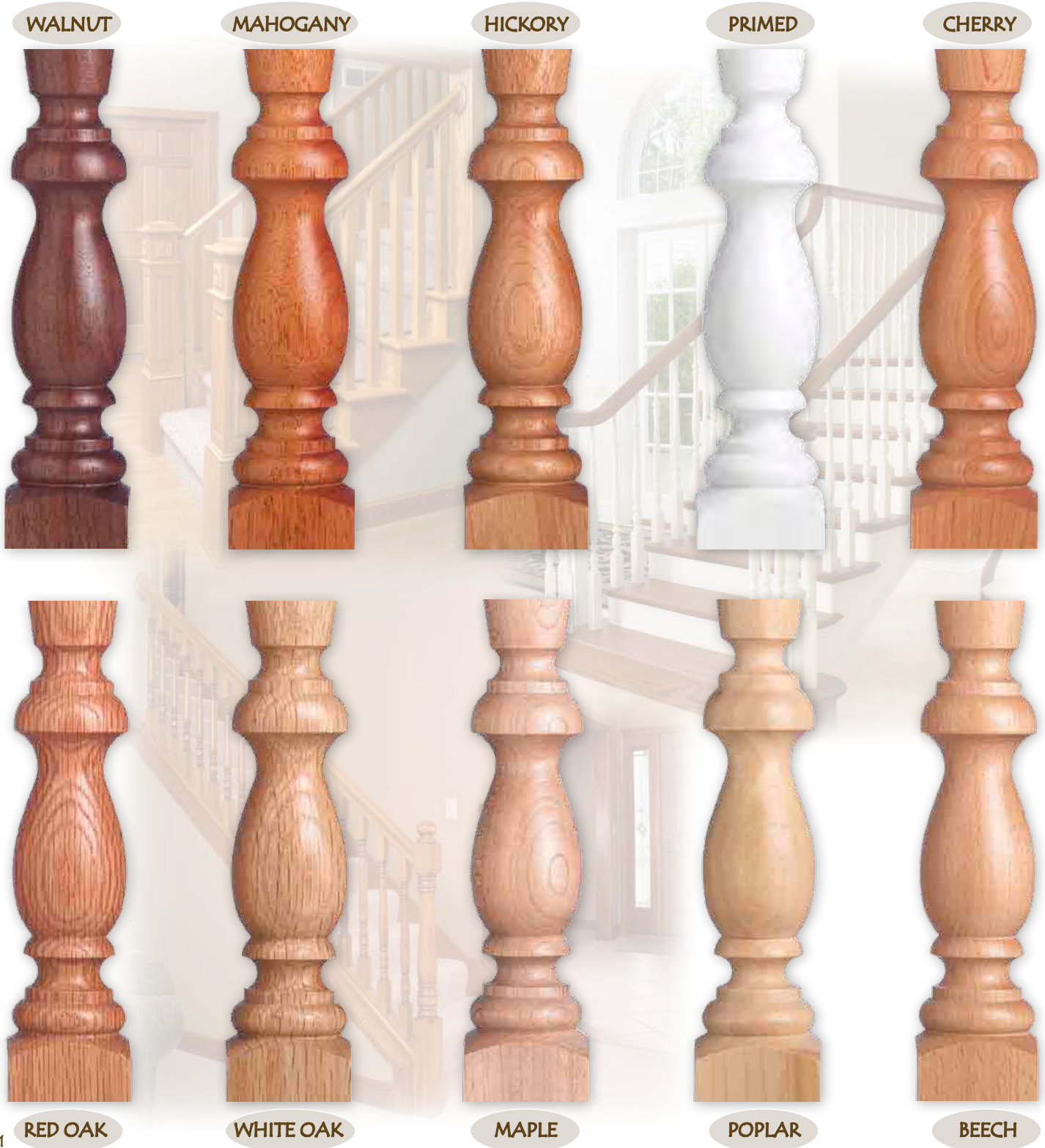


*These stairway takeoffs will achieve a rake rail height between 34" and 38".

L.J. Smith 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.

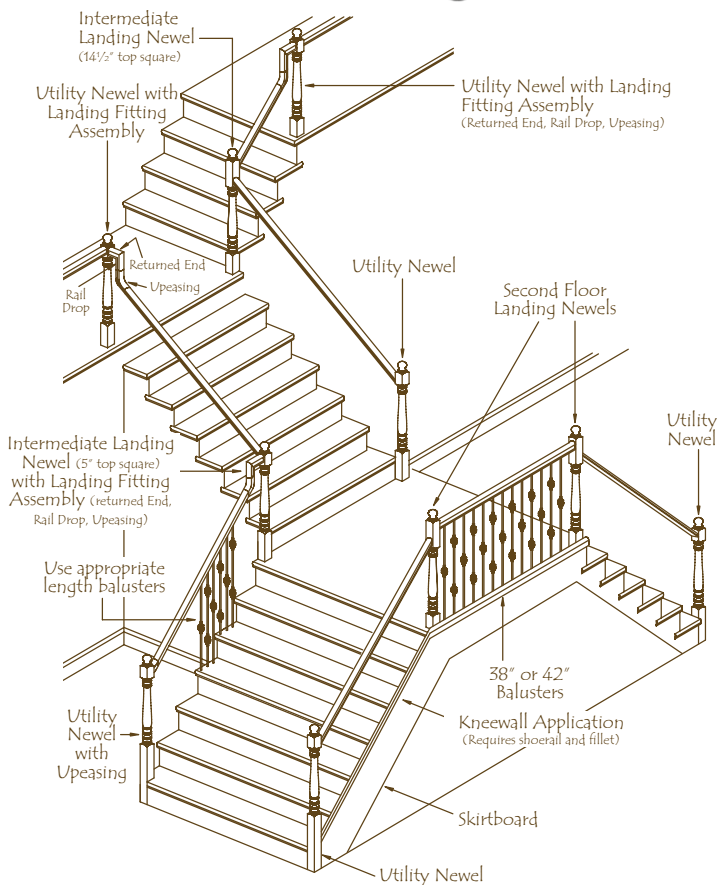
Note: all species shown here are clear coated for illustrative purposes only.



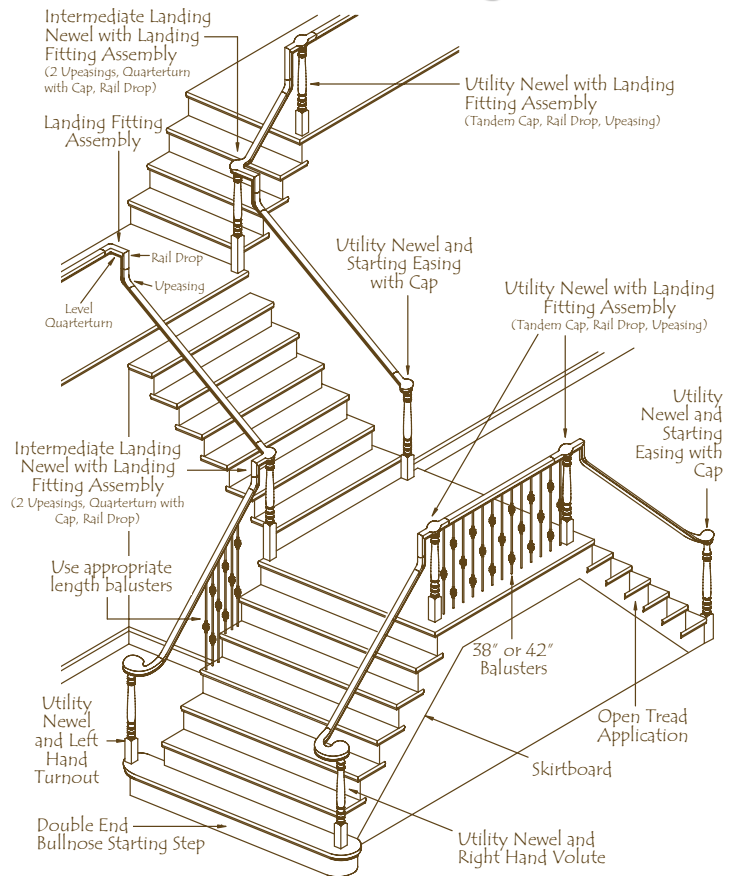
Stairway Anatomies

The following diagrams illustrate many typical applications of Post to Post and Over the Post stair systems.

Post to Post Systems



Over the Post Systems



Glossary of Stair Terms

Baluster - A vertical member which helps support the handrail. Usually set on a 4" or 6" center.

Fitting - Used where changing height or direction, for example: starting a balustrade (volute, turnout, starting easing with cap), at a landing (landing fitting assembly), and at a balcony.

Handrail - The horizontal or rake member of a balustrade system. It sits on top of the balusters and is supported by newel posts.

Newel Post - The major support for a balustrade system. Newels are larger than balusters and are located at the bottom and top of a stairway or at a turn in the handrail.

Riser - The vertical component of a step which, along with the stringers, supports the treads.

Starting Step - The first tread and riser at the bottom of a stairway.

Tread - The horizontal component of a step upon which one walks.

Post to Post Systems

This section features all of our wood Post to Post Balustrade options. Each page pictures components that are compatible with one another. We recommend choosing the handrail, baluster and newel styles from the same page. In some cases, however, components from one page might be compatible with others from a different page.



Pictured: LJ-5360 balusters, LJ-6210P plowed handrail, and LJ-4095 box newels, which are accessorized with LJ-9101 rosette blocks and LJ-9001 chamfered top plates.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6006



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

LJB-3945

LJB-3946

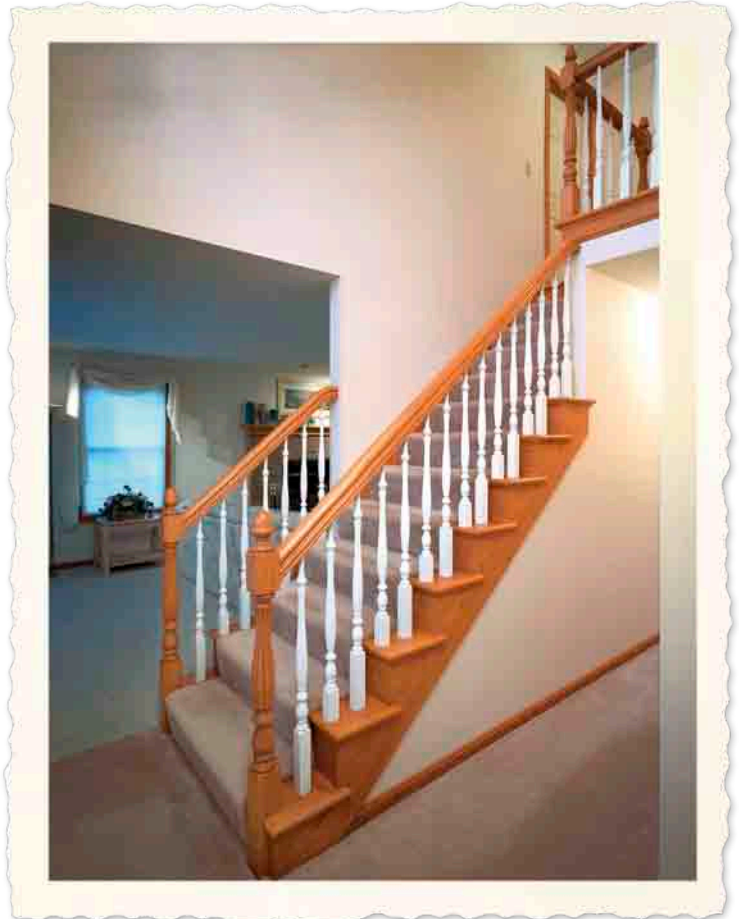
† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/8" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/2" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109P1	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 1 3/8" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 1 3/8" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJB-2905-34	6 1/2" (165 mm)	21 1/4" (535 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJB-2905-38	6 1/2" (165 mm)	21 1/4" (535 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJB-2905-42	6 1/2" (165 mm)	21 1/4" (535 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJB-2915-34	N/A	27 7/8" (700 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJB-2915-38	N/A	27 7/8" (700 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJB-2915-42	N/A	27 7/8" (700 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJB-3940	5 7/8" (138 mm)	5" (127 mm)	23 3/4" (586 mm)	14 1/4" (362 mm)	3/4" (83 mm)	48" (1219 mm)
LJB-3942	5 7/8" (138 mm)	5" (127 mm)	23 3/4" (586 mm)	24 1/4" (616 mm)	3/4" (83 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJB-3945	5 7/8" (138 mm)	11" (279 mm)	19 1/2" (495 mm)	21 3/4" (552 mm)	3/4" (83 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJB-3946	5 7/8" (138 mm)	14 1/2" (368 mm)	16" (406 mm)	36 3/4" (933 mm)	3/4" (83 mm)	73" (1854 mm)
LJB-3953	5 7/8" (138 mm)	5" (127 mm)	23 3/4" (586 mm)	28 1/4" (718 mm)	3/4" (83 mm)	62" (1574 mm)
LJB-3955	5 7/8" (138 mm)	5" (127 mm)	23 3/4" (586 mm)	39 3/4" (997 mm)	3/4" (83 mm)	73" (1854 mm)
LJB-3958	5 7/8" (138 mm)	5" (127 mm)	23 3/4" (586 mm)	44 1/4" (1124 mm)	3/4" (83 mm)	78" (1981 mm)

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



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

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts

Newel Drop



Shoerail & Fillet



LJ-6006



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



LJF-3945



LJF-3946

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 1/4" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/4" (73 mm)	1 1/2" (48 mm)	2 3/4" (60 mm)	N/A		
LJ-6109P1	2 1/4" (73 mm)	1 1/2" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/4" (60 mm)	2 3/4" (60 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 1/2" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/2" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/2" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A		
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A		
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJF-2905-34	6 1/2" (165 mm)	21 1/4" (535 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2905-38	6 1/2" (165 mm)	21 1/4" (535 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2905-42	6 1/2" (165 mm)	21 1/4" (535 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJF-2915-34	N/A	27 3/4" (700 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2915-38	N/A	27 3/4" (700 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2915-42	N/A	27 3/4" (700 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJF-3940	5 7/8" (138 mm)	5" (127 mm)	23 1/4" (586 mm)	14 1/4" (362 mm)	3/4" (83 mm)	48" (1219 mm)
LJF-3942	5 7/8" (138 mm)	5" (127 mm)	23 1/4" (586 mm)	24 1/4" (616 mm)	3/4" (83 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJF-3945	5 7/8" (138 mm)	11" (279 mm)	19 1/2" (495 mm)	21 3/4" (552 mm)	3/4" (83 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJF-3946	5 7/8" (138 mm)	14 1/2" (368 mm)	16" (406 mm)	36 3/4" (933 mm)	3/4" (83 mm)	73" (1854 mm)
LJF-3953	5 7/8" (138 mm)	5" (127 mm)	23 1/4" (586 mm)	28 3/4" (718 mm)	3/4" (83 mm)	62" (1574 mm)
LJF-3955	5 7/8" (138 mm)	5" (127 mm)	23 1/4" (586 mm)	39 1/4" (997 mm)	3/4" (83 mm)	73" (1854 mm)
LJF-3958	5 7/8" (138 mm)	5" (127 mm)	23 1/4" (586 mm)	44 1/4" (1124 mm)	3/4" (83 mm)	78" (1981 mm)

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

† Requires a landing fitting assembly



Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts

Newel Drop



Shoerail & Fillet



LJ-6006



Each baluster is 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 95 (sold separately).

† Requires a landing fitting assembly

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6005	2 7/8" (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 3/4" (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 7/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 7/8" (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 7/8" (54 mm)	2 3/4" (70 mm)	1 7/8" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 5/8" (67 mm)	1 9/16" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 9/16" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 7/8" (60 mm)	2" (51 mm)	2 7/8" (54 mm)	N/A
LJ-6A10P1	2 7/8" (60 mm)	2" (51 mm)	2 7/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 7/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 7/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-2905-34	6 1/2" (165 mm)	21 1/8" (535 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2905-38	6 1/2" (165 mm)	21 1/8" (535 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2905-42	6 1/2" (165 mm)	21 1/8" (535 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-2915-34	N/A	27 7/8" (700 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2915-38	N/A	27 7/8" (700 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2915-42	N/A	27 7/8" (700 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-3940	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	14 1/4" (362 mm)	3/4" (83 mm)	48" (1219 mm)
LJP-3942	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	24 1/4" (616 mm)	3/4" (83 mm)	58" (1473 mm)

Utility Newels	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-3940	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	14 1/4" (362 mm)	3/4" (83 mm)	48" (1219 mm)
LJP-3942	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	24 1/4" (616 mm)	3/4" (83 mm)	58" (1473 mm)

Second Floor Landing Newel	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-3945	5 7/8" (138 mm)	11" (279 mm)	19 1/2" (495 mm)	21 3/4" (552 mm)	3/4" (83 mm)	58" (1473 mm)

Intermediate Landing Newels	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-3946	5 7/8" (138 mm)	14 1/2" (368 mm)	16" (406 mm)	36 3/4" (933 mm)	3/4" (83 mm)	73" (1854 mm)
LJP-3953	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	28 3/4" (718 mm)	3/4" (83 mm)	62" (1574 mm)
LJP-3955	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	39 1/4" (997 mm)	3/4" (83 mm)	73" (1854 mm)
LJP-3958	5 7/8" (138 mm)	5" (127 mm)	23 1/8" (586 mm)	44 1/4" (1124 mm)	3/4" (83 mm)	78" (1981 mm)

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



Pictured: LJ-6400P Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJP-3940 Utility Newel, LJP-2905 Balusters and LJ-7027 Rosette.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJF-2115 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

Plowed Handrails and Square Top Balusters



LJF-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

Newel Posts



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

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007

LJ-6006



LJF-3340
LJF-3342
LJF-3353†
LJF-3355†
LJF-3358†

LJF-3345

LJF-3346

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions						
Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/4" (69 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/4" (73 mm)	1 3/4" (48 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)		
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 3/4" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/4" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)		
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 3/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A		
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 3/8" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJF-2105-34	6 1/2" (165 mm)	19 1/4" (486 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2105-38	6 1/2" (165 mm)	19 1/4" (486 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2105-42	6 1/2" (165 mm)	19 1/4" (486 mm)	16 3/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJF-2115-34	N/A	25 9/16" (642 mm)	8 7/16" (214 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2115-38	N/A	25 9/16" (642 mm)	12 7/16" (316 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2115-42	N/A	25 9/16" (642 mm)	16 7/16" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJF-3340	5" (127 mm)	5" (127 mm)	23" (584 mm)	1 1/2" (38 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJF-3342	5" (127 mm)	5" (127 mm)	23" (584 mm)	2 1/4" (62 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJF-3345	5" (127 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJF-3346	5" (127 mm)	14 1/2" (368 mm)	16 1/2" (419 mm)	36 1/2" (927 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJF-3353	5" (127 mm)	5" (127 mm)	23" (584 mm)	28 1/2" (724 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJF-3355	5" (127 mm)	5" (127 mm)	23" (584 mm)	39 1/2" (1003 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJF-3358	5" (127 mm)	5" (127 mm)	23" (584 mm)	44 1/2" (1130 mm)	3 1/2" (89 mm)	78" (1981 mm)

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



Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJF-2115 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

Plowed Handrails and Square Top Balusters



LJF-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

Newel Posts



Newel Drop



Shoerail & Fillet



LJ-6006



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

LJF-3245

LJF-3246

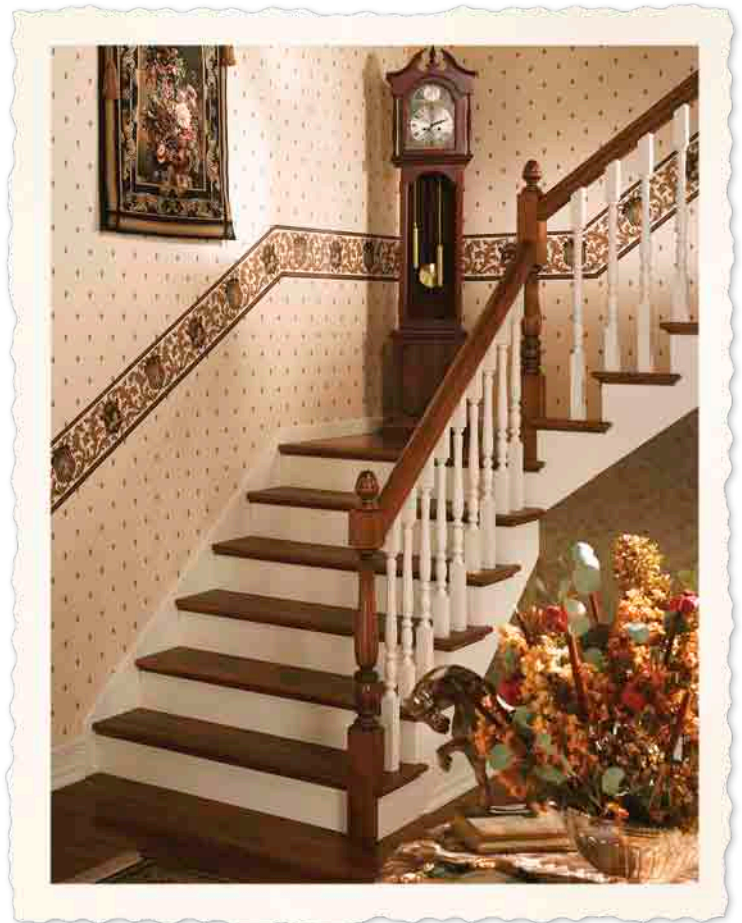
† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 1/8" (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 19/16" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 19/16" (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 3/8" (60 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10P1	2 3/8" (60 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (19 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJF-2105-34	6 1/2" (165 mm)	19 1/2" (486 mm)	8 5/8" (213 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2105-38	6 1/2" (165 mm)	19 1/2" (486 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2105-42	6 1/2" (165 mm)	19 1/2" (486 mm)	16 3/8" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJF-2115-34	N/A	25 7/16" (642 mm)	8 7/16" (214 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJF-2115-38	N/A	25 7/16" (642 mm)	12 7/16" (316 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJF-2115-42	N/A	25 7/16" (642 mm)	16 7/16" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJF-3240	5" (127 mm)	5" (127 mm)	23" (584 mm)	14 1/2" (368 mm)	3" (76 mm)	48" (1219 mm)
LJF-3242	5" (127 mm)	5" (127 mm)	23" (584 mm)	24 1/2" (622 mm)	3" (76 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJF-3245	5" (127 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3" (76 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJF-3246	5" (127 mm)	14 1/2" (368 mm)	16 1/2" (419 mm)	36 1/2" (927 mm)	3" (76 mm)	73" (1854 mm)
LJF-3253	5" (127 mm)	5" (127 mm)	23" (584 mm)	28 1/2" (724 mm)	3" (76 mm)	62" (1574 mm)
LJF-3255	5" (127 mm)	5" (127 mm)	23" (584 mm)	39 1/2" (1003 mm)	3" (76 mm)	73" (1854 mm)
LJF-3258	5" (127 mm)	5" (127 mm)	23" (584 mm)	44 1/2" (1130 mm)	3" (76 mm)	78" (1981 mm)

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



Pictured: LJ-6519P Handrail, LJ-6007 Fillet, LJF-3240 Utility Newel, LJF-3246 Intermediate Landing Newel, LJF-2105 Balusters.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



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

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007



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

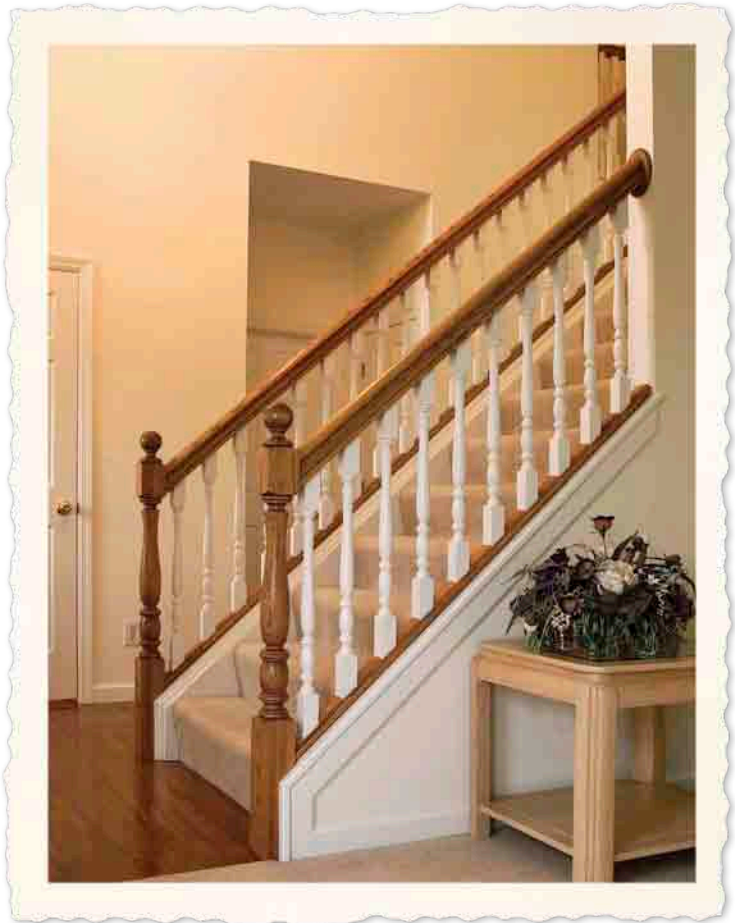
† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/4" (69 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/4" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109P1	2 1/4" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJP-2105-34	6 1/2" (165 mm)	19 1/4" (486 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-2105-38	6 1/2" (165 mm)	19 1/4" (486 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-2105-42	6 1/2" (165 mm)	19 1/4" (486 mm)	16 3/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJ-2111-34	N/A	25 3/4" (651 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJ-2111-38	N/A	25 3/4" (651 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJ-2111-42	N/A	25 3/4" (651 mm)	16 3/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJP-2115-34	N/A	25 9/16" (642 mm)	8 7/16" (214 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-2115-38	N/A	25 9/16" (642 mm)	12 7/16" (316 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-2115-42	N/A	25 9/16" (642 mm)	16 7/16" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJP-3340	5" (127 mm)	5" (127 mm)	23" (584 mm)	14 1/2" (368 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJP-3342	5" (127 mm)	5" (127 mm)	23" (584 mm)	24 1/2" (622 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJP-3345	5" (127 mm)	11" (279 mm)	19 1/4" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJP-3346	5" (127 mm)	14 1/2" (368 mm)	16 1/2" (419 mm)	36 1/2" (927 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-3353	5" (127 mm)	5" (127 mm)	23" (584 mm)	28 1/2" (724 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJP-3355	5" (127 mm)	5" (127 mm)	23" (584 mm)	39 1/2" (1003 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-3358	5" (127 mm)	5" (127 mm)	23" (584 mm)	44 1/2" (1130 mm)	3 1/2" (89 mm)	78" (1981 mm)

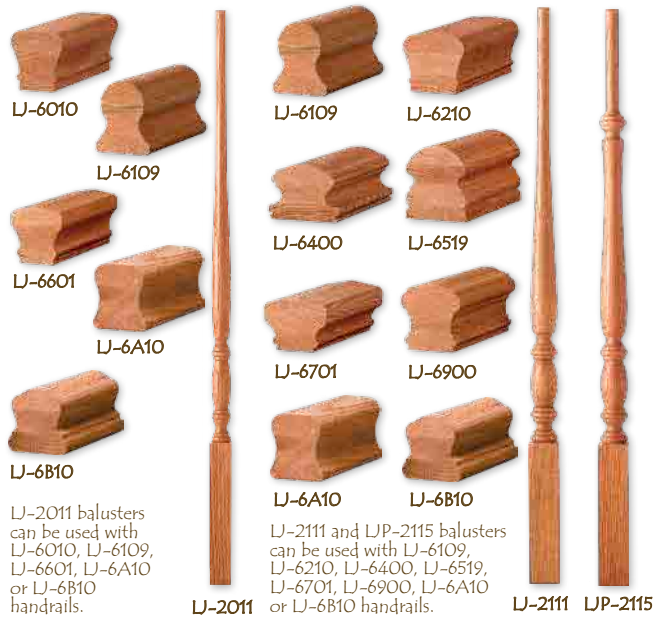
* Length is from the top of the bottom block to the top of the baluster



Pictured: LJ-6519P Handrail, LJP-3340BT Utility Newels, LJP-2105 Balusters, LJ-6006 Shoerail, LJ-6007 Fillet, LJ-7027 Rosette.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

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

Plowed Handrails and Square Top Balusters



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

Newel Posts



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

LJ-4099A Newel Drop

LJ-6050

LJ-6045

LJ-6007

LJP-3240

LJP-3242

LJP-3253†

LJP-3255†

LJP-3258†

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6005	2 7/16" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)
LJ-6010	2 3/4" (60 mm)	2 1/4" (61 mm)	1 1/2" (38 mm)	N/A
LJ-6109	2 3/4" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	N/A
LJ-6109P1	2 3/4" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	2 3/4" (70 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	2 3/4" (70 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A
LJ-6701	2 3/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3 3/4" (99 mm)	1 3/4" (44 mm)
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)
LJ-6050	3/4" (10 mm)	1 1/4" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-2011-34	N/A	25 1/8" (642 mm)	8 7/16" (214 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-2011-38	N/A	25 1/8" (642 mm)	12 7/16" (316 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-2011-42	N/A	25 1/8" (642 mm)	16 1/16" (418 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJP-2105-34	6 1/2" (165 mm)	19 1/4" (486 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2105-38	6 1/2" (165 mm)	19 1/4" (486 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2105-42	6 1/2" (165 mm)	19 1/4" (486 mm)	16 3/4" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-2111-34	N/A	25 5/8" (651 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-2111-38	N/A	25 5/8" (651 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-2111-42	N/A	25 5/8" (651 mm)	16 3/4" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-2115-34	N/A	25 1/8" (642 mm)	8 7/16" (214 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2115-38	N/A	25 1/8" (642 mm)	12 7/16" (316 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2115-42	N/A	25 1/8" (642 mm)	16 1/16" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJP-3240	5" (127 mm)	5" (127 mm)	23" (584 mm)	14 1/2" (368 mm)	3" (76 mm)	48" (1219 mm)
LJP-3242	5" (127 mm)	5" (127 mm)	23" (584 mm)	24 1/2" (622 mm)	3" (76 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJP-3245	5" (127 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3" (76 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJP-3246	5" (127 mm)	14 1/2" (368 mm)	16 1/2" (419 mm)	36 1/2" (927 mm)	3" (76 mm)	73" (1854 mm)
LJP-3253	5" (127 mm)	5" (127 mm)	23" (584 mm)	28 1/2" (724 mm)	3" (76 mm)	62" (1574 mm)
LJP-3255	5" (127 mm)	5" (127 mm)	23" (584 mm)	39 3/4" (1003 mm)	3" (76 mm)	73" (1854 mm)
LJP-3258	5" (127 mm)	5" (127 mm)	23" (584 mm)	44 3/4" (1130 mm)	3" (76 mm)	78" (1981 mm)

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



Pictured: LJ-6010 Handrail, LJP-3240 Utility Newel, LJP-3246 Intermediate Landing Newel, LJP-3245 Second Floor Landing Newel and LJ-2011 Balusters.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJ-6109 LJ-6210



LJ-6400 LJ-6519



LJ-6701 LJ-6900



LJ-6A10 LJ-6B10



LJP-20158

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

Plowed Handrails and Square Top Balusters



LJ-6005 LJ-6109P1



LJ-6210P LJ-6400P



LJ-6519P LJ-6900P



LJ-6A10P1 LJ-6B10P1



LJP-20058

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

Newel Posts

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007



LJ-6006



LJP-30408
LJP-30428
LJP-30538†
LJP-30558†
LJP-30588†



LJP-30458



LJP-30468

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/8" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109P1	2 1/4" (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 3/8" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/8" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A		
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (19 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJP-20058-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-20058-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-20058-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJP-20158-34	N/A	28" (711 mm)	6" (152 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-20158-38	N/A	28" (711 mm)	10" (254 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-20158-42	N/A	28" (711 mm)	14" (356 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJP-30408	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	15" (381 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJP-30428	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	25" (635 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJP-30458	4 3/4" (121 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJP-30468	4 3/4" (121 mm)	14 1/2" (368 mm)	16" (406 mm)	37" (939 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-30538	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	29" (736 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJP-30558	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	40" (1016 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-30588	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	45" (1143 mm)	3 1/2" (89 mm)	78" (1981 mm)

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



Pictured: LJ-6210 Handrail, LJP-30408 Utility Newel, LJP-20158 Balusters.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

LJT-2015
Twisted

Plowed Handrails and Square Top Balusters



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

LJT-2005
Twisted

Newel Posts

Newel Drop



Shoerail & Fillet



LJ-6006



LJ-3040
LJ-3042
LJ-3053†
LJ-3055†
LJ-3058†

LJT-3045

LJT-3046

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6005	2 3/4" (69 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)
LJ-6109	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	N/A
LJ-6109P1	2 1/8" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)

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

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

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJT-3040	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	15" (381 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJT-3042	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	25" (635 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJT-3045	4 3/4" (121 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJT-3046	4 3/4" (121 mm)	14 1/2" (368 mm)	16" (406 mm)	37" (939 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJT-3053	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	29" (736 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJT-3055	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	40" (1016 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJT-3058	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	45" (1143 mm)	3 1/2" (89 mm)	78" (1981 mm)

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



Pictured: LJ-6210P Handrail, LJ-6007 Fillet, LJT-3040 Utility Newel, LJT-3053 Intermediate Landing Newel, LJT-2005 Balusters and a Landing Fitting Assembly.

Post to Post Systems

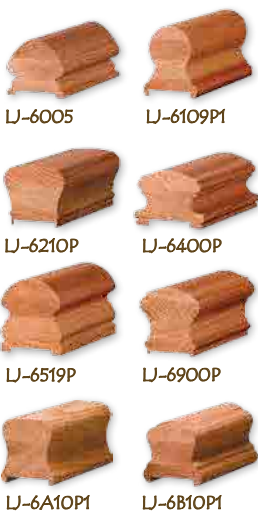
Non-Plowed Handrails and Pin Top Balusters



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

LJF-2015

Plowed Handrails and Square Top Balusters



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

LJF-2005

Newel Posts



Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007



LJ-6006

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

LJF-3045

LJF-3046

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6005	2 3/8" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)
LJ-6109	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A
LJ-6109P1	2 1/4" (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 3/8" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)
LJ-6701	2 1/8" (54 mm)	2 3/4" (70 mm)	1 3/8" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 5/8" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 5/8" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 3/8" (60 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 3/8" (60 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	3/8" (9 mm)	1 3/4" (44 mm)	N/A

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

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJF-3040	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	15" (381 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJF-3042	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	25" (635 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJF-3045	4 3/4" (121 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJF-3046	4 3/4" (121 mm)	14 1/2" (368 mm)	16" (406 mm)	37" (939 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJF-3053	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	29" (736 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJF-3055	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	40" (1016 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJF-3058	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	45" (1143 mm)	3 1/2" (89 mm)	78" (1981 mm)

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



Pictured: LJ-6519P Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJF-3046 Intermediate Landing Newel, LJF-3045 Second Floor Landing Newels, LJF-2005 Balusters and LJ-7026 Rosette.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJP-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-2015

Plowed Handrails and Square Top Balusters



LJP-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-2005

Newel Posts

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6006



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

LJP-3045

LJP-3046

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/4" (69 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/2" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	N/A		
LJ-6109P1	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
LJ-6210	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/2" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A		
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/8" (9 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJP-2005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-2005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-2005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJP-2015-34	N/A	28" (711 mm)	6" (152 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJP-2015-38	N/A	28" (711 mm)	10" (254 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJP-2015-42	N/A	28" (711 mm)	14" (356 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJP-3040	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	15" (381 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJP-3042	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	25" (635 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJP-3045	4 3/4" (121 mm)	11" (279 mm)	19 1/2" (495 mm)	22" (558 mm)	3 1/2" (89 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJP-3046	4 3/4" (121 mm)	14 1/2" (368 mm)	16" (406 mm)	37" (939 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-3053	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	29" (736 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJP-3055	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	40" (1016 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJP-3058	4 3/4" (121 mm)	5" (127 mm)	23" (584 mm)	45" (1143 mm)	3 1/2" (89 mm)	78" (1981 mm)

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



Pictured: LJ-6400P Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJP-3040 Utility Newel, LJP-3040 Utility Newel (half), and LJP-2005 Balusters.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts

Newel Drop



Shoerail & Fillet



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

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6005	2 9/16" (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 5/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A
LJ-6210P	2 5/8" (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 13/16" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 5/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A
LJ-6A10P1	2 5/8" (60 mm)	2 5/8" (67 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 5/8" (60 mm)	2" (51 mm)	2 5/8" (60 mm)	N/A
LJ-6B10P1	2 5/8" (60 mm)	2" (51 mm)	2 5/8" (60 mm)	1 3/4" (44 mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-50058-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-50058-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-50058-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-53008-34	N/A	27" (686 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-53008-38	N/A	27" (686 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-53008-42	N/A	27" (686 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-45008	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-45048	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	26 1/4" (668 mm)	3 1/2" (89 mm)	58" (1473 mm)

Second Floor Landing Newel	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-45038	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)

Intermediate Landing Newels	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-45058	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-45538	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	30 1/4" (768 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJ-45558	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	41 1/4" (1048 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJ-45588	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	46 1/4" (1175 mm)	3 1/2" (89 mm)	78" (1981 mm)



Pictured: LJ-6519P Handrail, LJ-45008 Utility Newel, LJ-45058 Intermediate Landing Newel, LJ-45038 Second Floor Landing Newel and LJ-50058 Balusters.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



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

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007



LJ-4500
LJ-4504
LJ-4553†
LJ-4555†
LJ-4558†

† Requires a landing fitting assembly

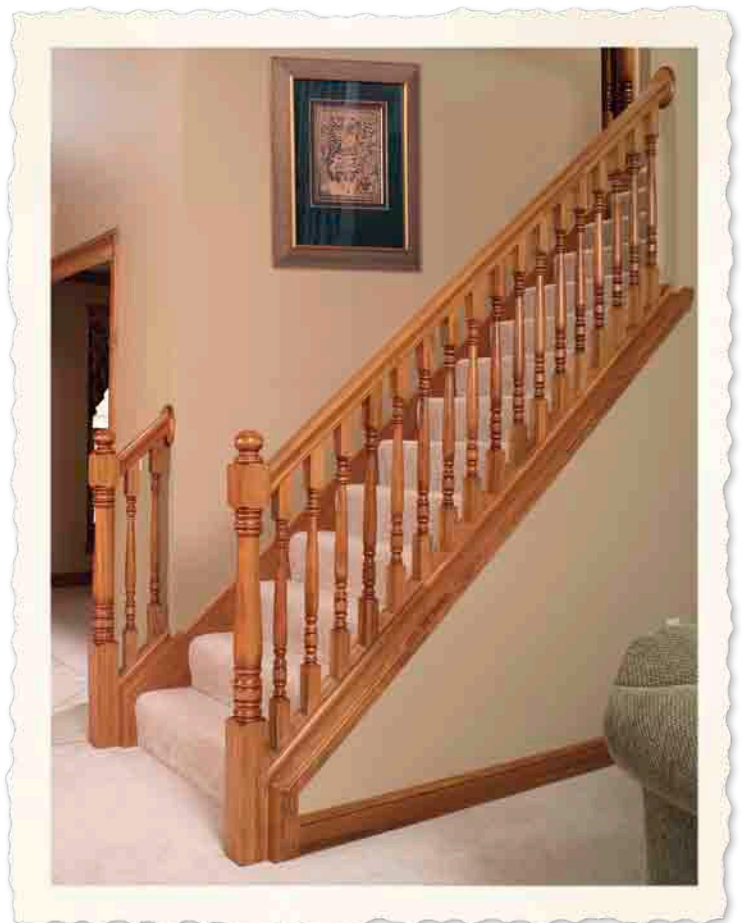
Each baluster is pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast® screws as shown on page 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6005	2 3/4" (69 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6109	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	N/A		
LJ-6109P1	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A		
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)		
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A		
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)		
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A		
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)		
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A		
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	N/A		
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	1 3/4" (44 mm)		
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A		
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)			
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-5005ND-31†	5 1/2" (149 mm)	16 3/4" (422 mm)	8 1/2" (216 mm)	1 3/4" (44 mm)	31" (787 mm)	
LJ-5005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJ-5005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJ-5005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)	
LJ-5300-34	N/A	27" (686 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)	
LJ-5300-38	N/A	27" (686 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)	
LJ-5300-42	N/A	27" (686 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4500	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	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	26 1/4" (668 mm)	3 1/2" (89 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJ-4503	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)
Intermediate Landing Newels						
LJ-4505	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-4553	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	30 1/4" (768 mm)	3 1/2" (89 mm)	62" (1574 mm)
LJ-4555	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	41 1/4" (1048 mm)	3 1/2" (89 mm)	73" (1854 mm)
LJ-4558	3 1/2" (89 mm)	5" (127 mm)	23" (584 mm)	46 1/4" (1175 mm)	3 1/2" (89 mm)	78" (1981 mm)
Rake Newel						
LJ-3513PT	N/A	N/A	27 1/2" (706 mm)	20 3/4" (513 mm)	3" (76 mm)	48" (1219 mm)

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

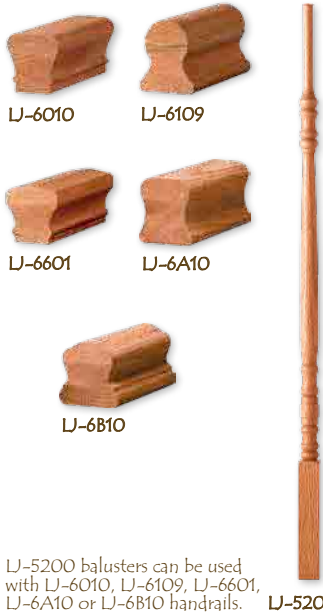
† 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin E-Z.



Pictured: LJ-6519P Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJ-4500 Utility Newels, LJ-5005 Balusters and LJ-7027 Rosettes.

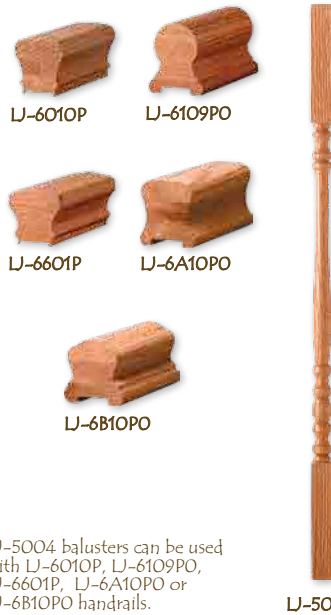
Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



LJ-5004 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

Newel Posts

Newel Drop



Shoerail & Fillet



† Requires a landing fitting assembly

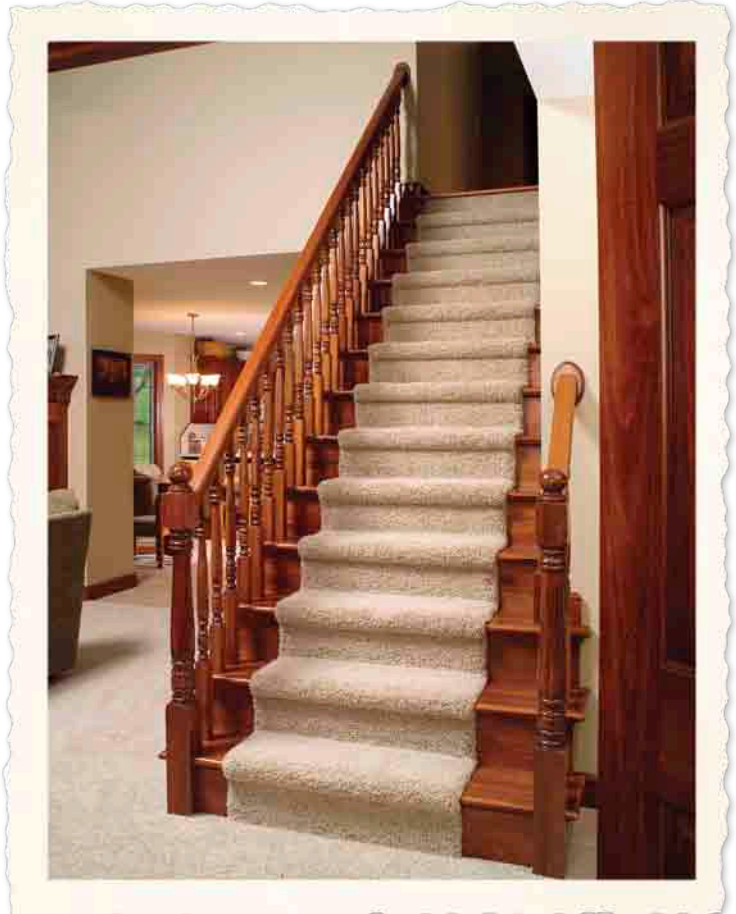
Each baluster is pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast™ screws as shown on page 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6010	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6010P	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6109	2 1/4" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109PO	2 1/4" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)		
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6601P	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10PO	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 1/4" (32 mm)		
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A		
LJ-6B10PO	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)			
LJ-6050	3/8" (10 mm)	1 1/4" (32 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-5004ND-31†	5 1/4" (149 mm)	16 3/4" (422 mm)	8 1/2" (216 mm)	1 1/4" (32 mm)	31" (787 mm)	
LJ-5004-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5004-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5004-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5200-34	N/A	27" (686 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5200-38	N/A	27" (686 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5200-42	N/A	27" (686 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4600	3 7/8" (97 mm)	5" (127 mm)	23" (584 mm)	16 1/4" (413 mm)	3" (76 mm)	48" (1219 mm)
LJ-4604	3 7/8" (97 mm)	5" (127 mm)	23" (584 mm)	26 1/4" (668 mm)	3" (76 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJ-4603	3 7/8" (97 mm)	11" (279 mm)	19 1/2" (495 mm)	23 3/4" (603 mm)	3" (76 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJ-4605	3 7/8" (97 mm)	14 1/2" (368 mm)	16" (406 mm)	38 3/4" (984 mm)	3" (76 mm)	73" (1854 mm)
LJ-4653	3 7/8" (97 mm)	5" (127 mm)	23" (584 mm)	30 1/4" (768 mm)	3" (76 mm)	62" (1574 mm)
LJ-4655	3 7/8" (97 mm)	5" (127 mm)	23" (584 mm)	41 1/4" (1048 mm)	3" (76 mm)	73" (1854 mm)
LJ-4658	3 7/8" (97 mm)	5" (127 mm)	23" (584 mm)	46 1/4" (1175 mm)	3" (76 mm)	78" (1981 mm)
Rake Newel						
LJ-3513PT	N/A	N/A	27 3/4" (706 mm)	20 3/4" (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-6050 Fillet, LJ-4600 Utility Newels, LJ-5004 Balusters and LJ-7027 Rosettes.

Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJ-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-5300**

Plowed Handrails and Square Top Balusters



LJ-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-5005**

Newel Posts



Newel Drop



Shoerail & Fillet



LJ-6006

**LJ-4004
LJ-4005
LJ-4006**

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

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

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6005	2 1/4" (59 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)	
LJ-6109	2 1/4" (73 mm)	1 1/4" (48 mm)	1 1/4" (48 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 1/2" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/2" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/2" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A	
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 1/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 1/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5005ND-31†	5 1/4" (149 mm)	16 3/4" (422 mm)	8 1/2" (216 mm)	1 3/4" (44 mm)	31" (787 mm)
LJ-5005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-5005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-5005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-5300-34	N/A	27" (686 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-5300-38	N/A	27" (686 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-5300-42	N/A	27" (686 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Finial	Square Size	Overall Length		
Utility Newels					
LJ-4004	4 1/2" (114 mm)	3 1/2" (89 mm)	48" (1219 mm)		
LJ-4004COL	4 1/4" (112 mm)	3 1/2" (89 mm)	48" (1219 mm)		
LJ-4004RT	3 1/2" (89 mm)	3 1/2" (89 mm)	48" (1219 mm)		
Second Floor Landing Newels					
LJ-4005	4 1/2" (114 mm)	3 1/2" (89 mm)	58" (1473 mm)		
LJ-4005COL	4 1/4" (112 mm)	3 1/2" (89 mm)	58" (1473 mm)		
LJ-4005RT	3 1/2" (89 mm)	3 1/2" (89 mm)	58" (1473 mm)		
Intermediate Landing Newels					
LJ-4006	4 1/2" (114 mm)	3 1/2" (89 mm)	73" (1854 mm)		
LJ-4006COL	4 1/4" (112 mm)	3 1/2" (89 mm)	73" (1854 mm)		
LJ-4006RT	3 1/2" (89 mm)	3 1/2" (89 mm)	73" (1854 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-6109 Handrail, LJ-4004 Utility Newel, LJ-4006 Intermediate Landing Newel and LJ-5300 Balusters.

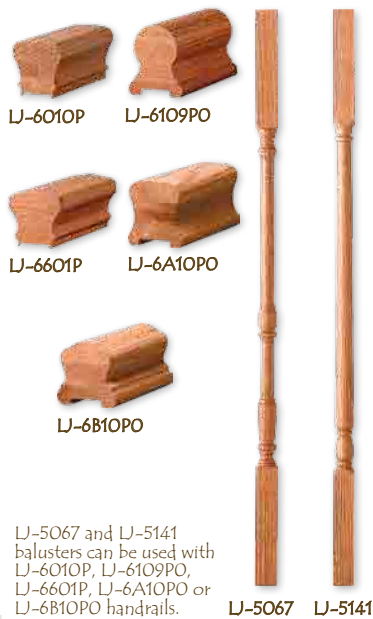
Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



LJ-5067 and LJ-5141 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

Newel Posts

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6050



LJ-4180
LJ-4182
LJ-4195†
LJ-4195†
LJ-4198†



LJ-4185



LJ-4186

Each baluster is 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 95 (sold separately).

† Requires a landing fitting assembly

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6010	2 1/2" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A
LJ-6010P	2 1/2" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)
LJ-6109	2 1/4" (73 mm)	1 1/2" (48 mm)	2 1/2" (60 mm)	N/A
LJ-6109PO	2 1/4" (73 mm)	1 1/2" (48 mm)	2 1/2" (60 mm)	1 1/4" (32 mm)
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A
LJ-6601P	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)
LJ-6A10	2 1/2" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	N/A
LJ-6A10PO	2 1/2" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	1 1/4" (32 mm)
LJ-6B10	2 1/4" (59 mm)	2" (51 mm)	2 1/2" (60 mm)	N/A
LJ-6B10PO	2 1/4" (59 mm)	2" (51 mm)	2 1/2" (60 mm)	1 1/4" (32 mm)

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

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5015ND-31†	N/A	22 3/4" (575 mm)	8 3/4" (213 mm)	1 1/2" (32 mm)	31" (787 mm)
LJ-5015-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5015-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5015-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5035-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5035-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5035-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5040-34	N/A	34" (864 mm)	N/A	1 1/4" Diam. (29 mm)	34" (864 mm)
LJ-5040-38	N/A	38" (965 mm)	N/A	1 1/4" Diam. (29 mm)	38" (965 mm)
LJ-5040-42	N/A	42" (1067 mm)	N/A	1 1/4" Diam. (29 mm)	42" (1067 mm)
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5141ND-31†	5 1/4" (133 mm)	16 3/4" (425 mm)	9" (229 mm)	1 1/4" (32 mm)	31" (787 mm)
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)

Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4180	2 3/4" (67 mm)	5" (127 mm)	23" (584 mm)	17" (431 mm)	3 1/4" (83 mm)	48" (1219 mm)
LJ-4182	2 3/4" (67 mm)	5" (127 mm)	23" (584 mm)	27" (686 mm)	3 1/4" (83 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJ-4185	2 3/4" (67 mm)	11" (279 mm)	19 1/2" (495 mm)	24 1/2" (622 mm)	3 1/4" (83 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJ-4186	2 3/4" (67 mm)	14 1/2" (368 mm)	16" (406 mm)	39 3/4" (1006 mm)	3 1/4" (83 mm)	73" (1854 mm)
LJ-4193	2 3/4" (67 mm)	5" (127 mm)	23" (584 mm)	31" (787 mm)	3 1/4" (83 mm)	62" (1574 mm)
LJ-4195	2 3/4" (67 mm)	5" (127 mm)	23" (584 mm)	42" (1067 mm)	3 1/4" (83 mm)	73" (1854 mm)
LJ-4198	2 3/4" (67 mm)	5" (127 mm)	23" (584 mm)	47" (1193 mm)	3 1/4" (83 mm)	78" (1981 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-6050 Fillet, LJ-4180 Utility Newel, LJ-4186 Intermediate Landing Newel, LJ-4185 Second Floor Landing Newel and LJ-5141 Balusters.

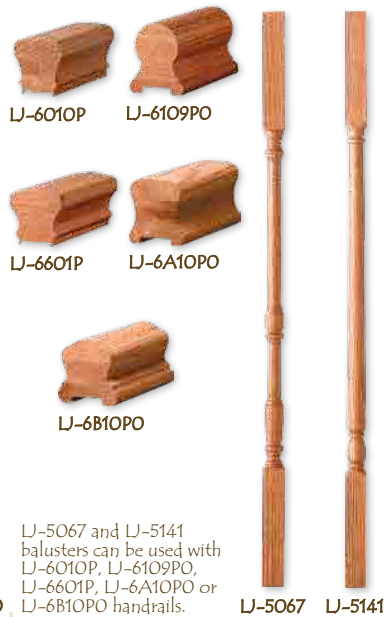
Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



LJ-5067 and LJ-5141 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

Newel Posts

Newel Drop



Shoerail & Fillet



Each baluster is 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 95 (sold separately).

Product Dimensions						
Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6010	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6010P	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6109	2 1/8" (53 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109PO	2 1/8" (53 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)		
LJ-6601	2 1/4" (61 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6601P	2 1/4" (61 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10PO	2 3/8" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 1/4" (32 mm)		
LJ-6B10	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A		
LJ-6B10PO	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	1 1/4" (32 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)			
LJ-6050	3/8" (10 mm)	1 1/4" (32 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-5015ND-31†	N/A	22 3/8" (575 mm)	8 3/8" (213 mm)	1 1/4" (32 mm)	31" (787 mm)	
LJ-5015-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5015-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5015-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5035-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5035-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5035-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5040-34	N/A	34" (864 mm)	N/A	1 1/4" Diam. (9 mm)	34" (864 mm)	
LJ-5040-38	N/A	38" (965 mm)	N/A	1 1/4" Diam. (9 mm)	38" (965 mm)	
LJ-5040-42	N/A	42" (1067 mm)	N/A	1 1/4" Diam. (9 mm)	42" (1067 mm)	
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5141ND-31†	5 1/4" (133 mm)	16 3/4" (425 mm)	9" (229 mm)	1 1/4" (32 mm)	31" (787 mm)	
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
Newel Posts:	Finial	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels						
LJ-4150	3 3/4" (95 mm)	5" (127 mm)	23" (584 mm)	16" (406 mm)	3" (76 mm)	48" (1219 mm)
LJ-4152	3 3/4" (95 mm)	5" (127 mm)	23" (584 mm)	26" (660 mm)	3" (76 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJ-4155	3 3/4" (95 mm)	11" (279 mm)	19 1/2" (495 mm)	23 1/2" (597 mm)	3" (76 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJ-4156	3 3/4" (95 mm)	14 1/2" (368 mm)	16" (406 mm)	38 1/2" (978 mm)	3" (76 mm)	73" (1854 mm)
LJ-4163	3 3/4" (95 mm)	5" (127 mm)	23" (584 mm)	30" (762 mm)	3" (76 mm)	62" (1574 mm)
LJ-4165	3 3/4" (95 mm)	5" (127 mm)	23" (584 mm)	41" (1041 mm)	3" (76 mm)	73" (1854 mm)
LJ-4168	3 3/4" (95 mm)	5" (127 mm)	23" (584 mm)	46" (1168 mm)	3" (76 mm)	78" (1981 mm)
Rake Newel						
LJ-4013PT	N/A	N/A	27" (686 mm)	16" (406 mm)	3" (76 mm)	43" (1092 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 pre-drilled and they do NOT include the Pin EZ.



Pictured: LJ-6010P Handrail, LJ-6045 Shoerail, LJ-6050 Fillet, LJ-4150 Utility Newel, and LJ-5067 Balusters.

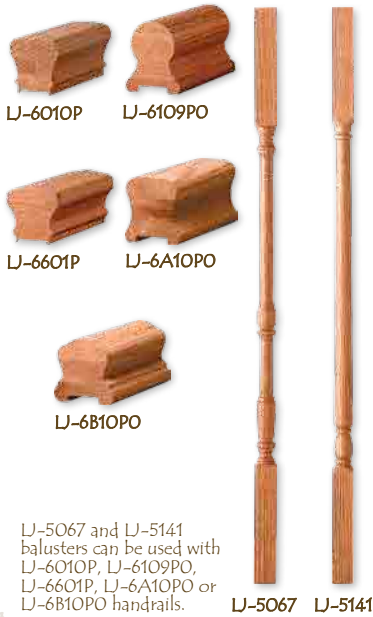
Post to Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



LJ-5067 and LJ-5141 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

Newel Posts



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

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6050

LJ-6045



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

† Requires a landing fitting assembly

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width		
LJ-6010	2 1/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6010P	2 1/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6109	2 1/4" (73 mm)	1 1/2" (48 mm)	2 3/8" (60 mm)	N/A		
LJ-6109PO	2 1/4" (73 mm)	1 1/2" (48 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)		
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A		
LJ-6601P	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)		
LJ-6A10	2 1/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A		
LJ-6A10PO	2 1/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 1/4" (32 mm)		
LJ-6B10	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A		
LJ-6B10PO	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	1 1/4" (32 mm)		
Shoerail and Fillet:	Height	Width	Plow Width			
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)			
LJ-6050	3/4" (10 mm)	1 1/4" (32 mm)	N/A			
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length	
LJ-5015ND-31†	N/A	22 3/4" (575 mm)	8 3/4" (213 mm)	1 1/4" (32 mm)	31" (787 mm)	
LJ-5015-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5015-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5015-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5035-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5035-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5035-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5040-34	N/A	34" (864 mm)	N/A	1 1/8" Diam. (29 mm)	34" (864 mm)	
LJ-5040-38	N/A	38" (965 mm)	N/A	1 1/8" Diam. (29 mm)	38" (965 mm)	
LJ-5040-42	N/A	42" (1067 mm)	N/A	1 1/8" Diam. (29 mm)	42" (1067 mm)	
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
LJ-5141ND-31†	5 1/4" (133 mm)	16 3/4" (425 mm)	9" (229 mm)	1 1/4" (32 mm)	31" (787 mm)	
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)	
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)	
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)	
Newel Posts:	Final	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-4040	2 1/2" (67 mm)	5" (127 mm)	23" (584 mm)	17" (431 mm)	3" (76 mm)	48" (1219 mm)
LJ-4042	2 1/2" (67 mm)	5" (127 mm)	23" (584 mm)	27" (686 mm)	3" (76 mm)	58" (1473 mm)
Second Floor Landing Newel						
LJ-4045	2 1/2" (67 mm)	11" (279 mm)	19 1/2" (495 mm)	24 1/2" (622 mm)	3" (76 mm)	58" (1473 mm)
Intermediate Landing Newels						
LJ-4046	2 1/2" (67 mm)	14 1/2" (368 mm)	16" (406 mm)	39 1/2" (1003 mm)	3" (76 mm)	73" (1854 mm)
LJ-4053	2 1/2" (67 mm)	5" (127 mm)	23" (584 mm)	31" (787 mm)	3" (76 mm)	62" (1574 mm)
LJ-4055	2 1/2" (67 mm)	5" (127 mm)	23" (584 mm)	42" (1067 mm)	3" (76 mm)	73" (1854 mm)
LJ-4058	2 1/2" (67 mm)	5" (127 mm)	23" (584 mm)	47" (1193 mm)	3" (76 mm)	78" (1981 mm)

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

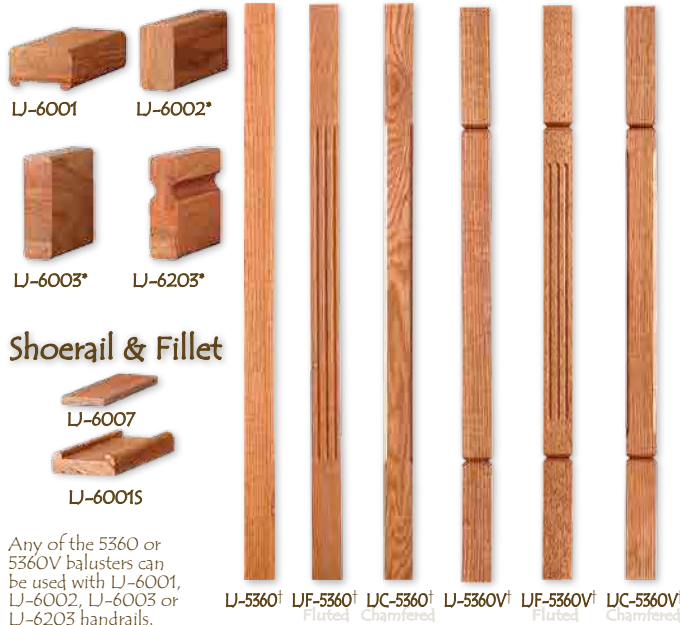
† 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin E-Z.



Pictured: LJ-6B10P Handrail, LJ-6045 Shoerail, LJ-4040 Utility Newels, LJ-5141 Balusters, and LJ-7027 Rosettes.

Post to Post Systems

Contemporary Handrails and Square Craftsman Balusters

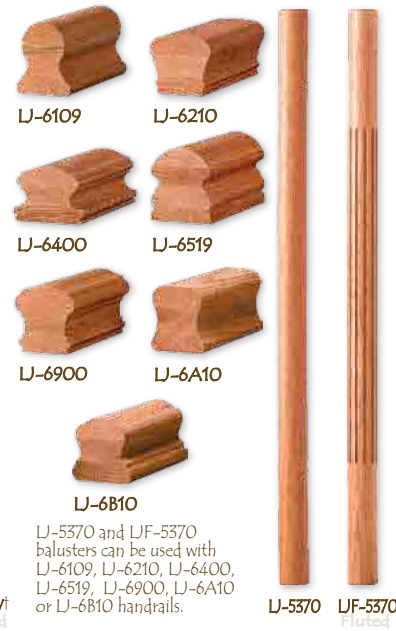


Shoerail & Fillet



Any of the 5360 or 5360V balusters can be used with LJ-6001, LJ-6002, LJ-6003 or LJ-6203 handrails.

Non-Plowed Handrails and Round Craftsman Balusters



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

Newel Posts



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

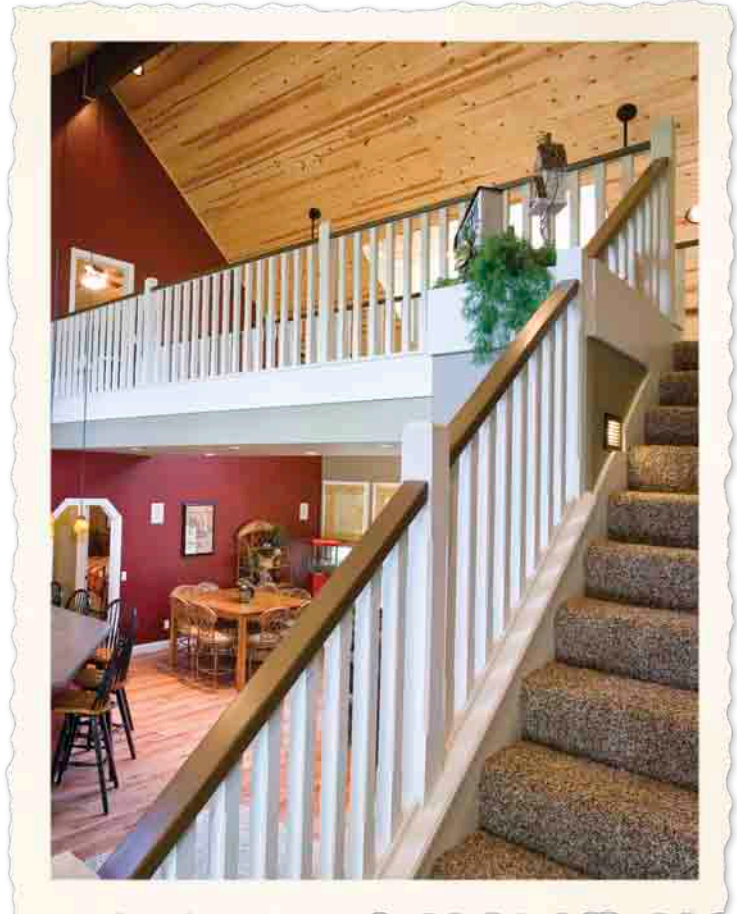
The handrail must be drilled with a 1 1/4" diameter hole to properly install the LJ-5370 or LJF-5370 balusters.

*This rail profile is used when the balusters will be side mounted to the handrail.
†This baluster may also be used with any of our plowed 1 1/4" handrail profiles shown in this catalog.

NOTE: Our Craftsmen balusters are not pre-drilled, nor do they come with a ("Pin E-Z").

Product Dimensions

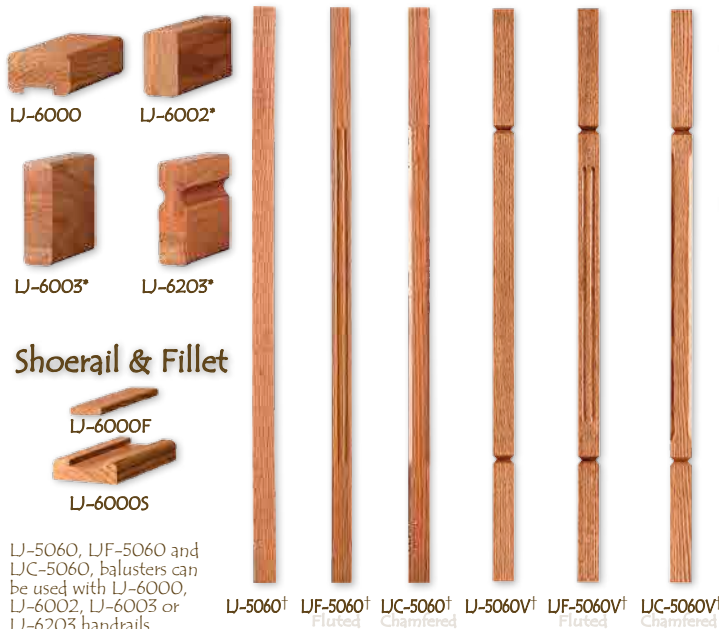
Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6001	1 1/4" (41 mm)	2 3/4" (70 mm)	2 3/4" (70 mm)	1 3/4" (44 mm)	
LJ-6002	2 3/4" (70 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6003	5 1/2" (140 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6109	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6203	5 1/2" (140 mm)	1 1/4" (41 mm)	1 1/4" (41 mm)	N/A	
LJ-6210	2 3/4" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	N/A	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6001S	3/4" (19 mm)	2 1/2" (64 mm)	1 3/4" (44 mm)		
LJ-6007	5/16" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ-5360		1 3/4" (44 mm)	Square x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)		
LJF-5360-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm) Square	34" (864 mm)
LJF-5360-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm) Square	38" (965 mm)
LJF-5360-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm) Square	42" (1067 mm)
LJC-5360-34	5 7/8" (149 mm)	18 1/8" (460 mm)	10" (254 mm)	1 3/4" (44 mm) Square	34" (864 mm)
LJC-5360-38	5 7/8" (149 mm)	18 1/8" (460 mm)	14" (356 mm)	1 3/4" (44 mm) Square	38" (965 mm)
LJC-5360-42	5 7/8" (149 mm)	18 1/8" (460 mm)	18" (457 mm)	1 3/4" (44 mm) Square	42" (1067 mm)
All 5360V-34	7 1/4" (184 mm)	19 1/2" (495 mm)	7 1/4" (184 mm)	1 3/4" (44 mm) Square	34" (864 mm)
All 5360V-38	7 1/4" (184 mm)	19 1/2" (495 mm)	11 1/4" (286 mm)	1 3/4" (44 mm) Square	38" (965 mm)
All 5360V-42	7 1/4" (184 mm)	19 1/2" (495 mm)	15 1/4" (387 mm)	1 3/4" (44 mm) Square	42" (1067 mm)
LJ-5370		1 3/4" (44 mm)	Round x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)		
LJF-5370-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm) Round	34" (864 mm)
LJF-5370-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm) Round	38" (965 mm)
LJF-5370-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm) Round	42" (1067 mm)
Newel Posts:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
Utility Newels					
LJ-4000	N/A	N/A	N/A	3 1/2" (89 mm)	48" (1219 mm)
LJF-4000	11 1/2" (292 mm)	20" (508 mm)	16 1/2" (419 mm)	3 1/2" (89 mm)	48" (1219 mm)
LJC-4000	11 1/2" (292 mm)	20" (508 mm)	16 1/2" (419 mm)	3 1/2" (89 mm)	48" (1219 mm)
Intermediate Landing Newels					
LJ-4001	N/A	N/A	N/A	3 1/2" (89 mm)	58" (1473 mm)
LJF-4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3 1/2" (89 mm)	58" (1473 mm)
LJC-4001	15" (381 mm)	16" (406 mm)	27" (686 mm)	3 1/2" (89 mm)	58" (1473 mm)



Pictured: LJ-6001 Handrail, LJ-6001S Shoerail, LJ-6007 Fillet, LJC-4000 Chamfered Newels and LJ-5360 Chamfered Balusters.

Post to Post Systems

Contemporary Handrails and Square Craftsman Balusters

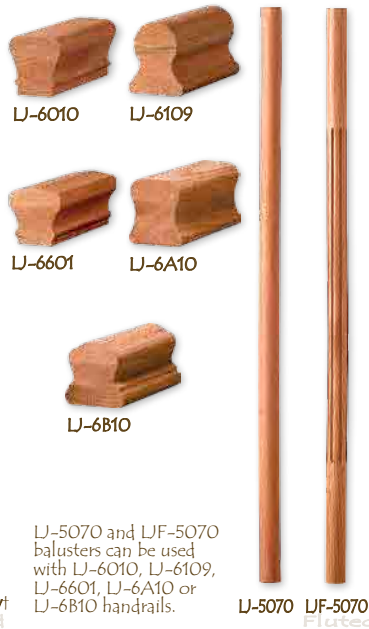


Shoerail & Fillet



LJ-5060, LJF-5060 and LJ-5060, balusters can be used with LJ-6000, LJ-6002, LJ-6003 or LJ-6203 handrails.

Non-Plowed Handrails and Round Craftsman Balusters



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

Newel Posts



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

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

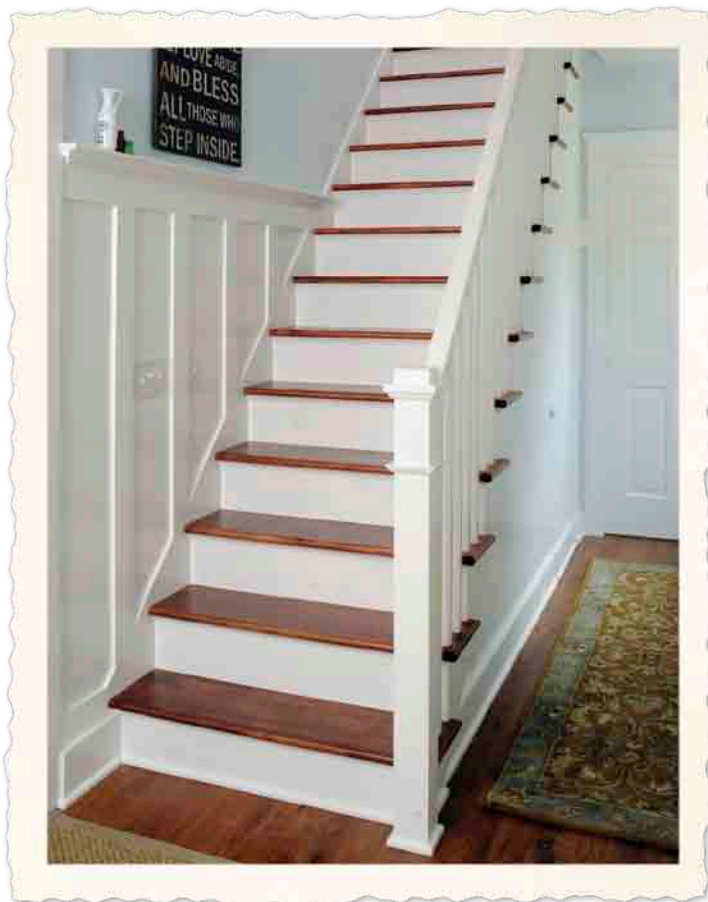
*This rail profile is used when the balusters will be side mounted to the handrail.

†This baluster may also be used with any of our plowed 1/4" handrail profiles shown in this catalog.

NOTE: Our Craftsman balusters are not pre-drilled, nor do they come with a ("Pin E-Z").

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6000	1 3/4" (41 mm)	2 3/4" (70 mm)	2 3/4" (70 mm)	1 1/4" (32 mm)	
LJ-6002	2 3/4" (70 mm)	1 3/4" (41 mm)	1 3/4" (41 mm)	N/A	
LJ-6003	5 1/2" (140 mm)	1 3/4" (41 mm)	1 3/4" (41 mm)	N/A	
LJ-6010	2 5/8" (66 mm)	2 1/4" (67 mm)	1 3/2" (38 mm)	N/A	
LJ-6109	2 7/8" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	N/A	
LJ-6203	5 1/2" (140 mm)	1 3/4" (41 mm)	1 3/4" (41 mm)	N/A	
LJ-6601	2 1/4" (57 mm)	2 1/4" (67 mm)	1 3/2" (38 mm)	N/A	
LJ-6A10	2 3/4" (66 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A	
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6000F	5/16" (8 mm)	1 1/4" (32 mm)	N/A		
LJ-6000S	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)		
Balusters:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
LJ-5060	1 1/4" (32 mm)	Square x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)			
LJF-5060-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm) Square	34" (864 mm)
LJF-5060-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm) Square	38" (965 mm)
LJF-5060-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm) Square	42" (1067 mm)
LJC-5060-34	5 7/8" (149 mm)	18 1/2" (460 mm)	10" (254 mm)	1 1/4" (32 mm) Square	34" (864 mm)
LJC-5060-38	5 7/8" (149 mm)	18 1/2" (460 mm)	14" (356 mm)	1 1/4" (32 mm) Square	38" (965 mm)
LJC-5060-42	5 7/8" (149 mm)	18 1/2" (460 mm)	18" (457 mm)	1 1/4" (32 mm) Square	42" (1067 mm)
All 5060V-34	7 1/4" (184 mm)	19 1/2" (495 mm)	7 1/4" (184 mm)	1 1/4" (32 mm) Square	34" (864 mm)
All 5060V-38	7 1/4" (184 mm)	19 1/2" (495 mm)	11 1/4" (286 mm)	1 1/4" (32 mm) Square	38" (965 mm)
All 5060V-42	7 1/4" (184 mm)	19 1/2" (495 mm)	15 1/4" (387 mm)	1 1/4" (32 mm) Square	42" (1067 mm)
LJ-5070	1 1/4" (32 mm)	Round x 34" (864 mm), 38" (965 mm), or 42" (1067 mm)			
LJF-5070-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm) Round	34" (864 mm)
LJF-5070-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm) Round	38" (965 mm)
LJF-5070-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm) Round	42" (1067 mm)
Newel Posts:	Top Block	Detail Length	Bottom Block	Square Size	Overall Length
Utility Newels					
LJ-4110	N/A	N/A	N/A	3" (76 mm)	48" (1219 mm)
LJF-4110	11 1/2" (292 mm)	20" (508 mm)	16 1/2" (419 mm)	3" (76 mm)	48" (1219 mm)
LJC-4110	11 1/2" (292 mm)	20" (508 mm)	16 1/2" (419 mm)	3" (76 mm)	48" (1219 mm)
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 Craftsman Balusters can be combined with any of our newel posts. This stairway features our LJ-5060 Balusters with LJ-4075 Box Newels, and LJ-6601P Plowed Handrail.

Post to Post Systems

L.J. Smith Box Newels are individually hand made by experienced old world 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-4095 Box Newels with LJ-9101 Rosette Blocks, LJ-5360 Balusters, LJ-6210P Handrail.

LJ-4091 Box Newels, LJ-1BASK44 and LJ-2TW44 Iron Balusters, LJ-6519 Handrail.

LJ-4091 Box Newels, LJ-5060 Balusters, LJ-6010P Handrail.

LJ-4095 Box Newels with LJ-9100 Rosette Blocks and LJ-9005 Acorn Finials, LJ-53008 Balusters, LJ-6701 Handrail.

The Box Newels shown here are our Traditional Style Box Newels. The construction of these newels allow for various installation methods. We recommend these newels be used with any of our iron or 1 3/4" (44 mm) balusters and corresponding handrails. They can, however, be used with 1 1/4" (32 mm) balusters and corresponding handrails. These newels can also be accessorized with our top plates, finials, embossed carvings, rosette blocks, and picture frame kits, as shown on page 47. 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

4 1/2" x 2 1/2"
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	1 1/2" (38 mm)	1 1/2" (38 mm)	3/4" (19 mm)	1 3/8" (35 mm)	6 1/4" (159 mm)	20 3/4" (527 mm)	23" (584 mm)	6 1/4" (159 mm)	55" (1397 mm)
LJ-4075	1 1/2" (38 mm)	1 1/2" (38 mm)	3/4" (19 mm)	N/A	6 1/4" (159 mm)	N/A	56 1/2" (1445 mm)	3 1/2" (89 mm)	66 3/4" (1695 mm)
LJ-4075-50	1 1/2" (38 mm)	1 1/2" (38 mm)	3/4" (19 mm)	N/A	6 1/4" (159 mm)	N/A	40 1/2" (1019 mm)	3 1/2" (89 mm)	50" (1270 mm)
LJ-4175	1 1/2" (38 mm)	1 1/2" (38 mm)	3/4" (19 mm)	N/A	6 1/4" (159 mm)	*34 3/4" (873 mm)	*22 1/4" (562 mm)	4 1/2" (114 mm)	66 3/4" (1695 mm)
LJ-4175-50	1 1/2" (38 mm)	1 1/2" (38 mm)	3/4" (19 mm)	N/A	6 1/4" (159 mm)	*17" (873 mm)	*22 1/4" (562 mm)	4 1/2" (114 mm)	50" (1270 mm)
LJ-4391	1 3/4" (35 mm) & 1 3/4" (19 mm)	1 7/8" (48 mm)	1 1/2" (38 mm)	1 7/8" (48 mm)	5 1/4" (133 mm)	22 3/4" (568 mm)	23 1/4" (591 mm)	5 1/2" (140 mm)	54 1/4" (1378 mm)

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



Chamfered
Top Cap



Flat Top Cap

Post to Post Systems

The construction of these box newels allows for various installation methods...each features a solid blocking within the top section while the remainder of the newel is hollow. We recommend these newels be used with any of our iron or 1 3/4" (44 mm) wood balusters and corresponding handrails. They can, however, also be used with 1 1/4" (32 mm) balusters and corresponding handrails. These newels can also be accessorized with our top plates, finials, embossed carvings, and rosette blocks, as shown on page 47. All box newels and accessories are for interior use only.

BOX NEWELS



LJ-4092 Plain Panel LJ-4093 Fluted Panel LJ-4094 Recessed Panel LJ-4095 Raised Panel

INTERMEDIATE BOX NEWELS



LJ-4392† Plain Panel LJ-4393† Fluted Panel LJ-4394† Recessed Panel LJ-4395† Raised Panel

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

Product Dimensions

Item Number:	Top Moulding Height (includes flat top plate)	Middle Moulding Height	Bottom Moulding Height	Top Block Length	Center Length	Bottom Block Length	Square Size	Overall Length
LJ-4092	2 3/16" (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

Post to Post Systems

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 the following page.

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 21 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

Post to Post Systems

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

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



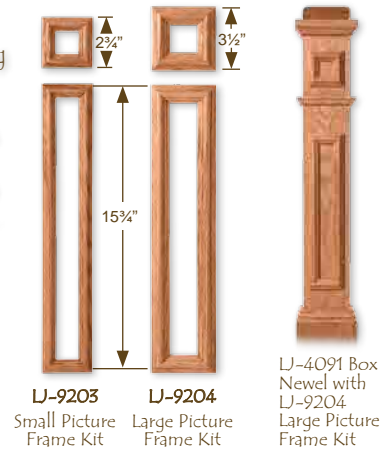
Product Dimensions				
Top Plates:	Item Number	Length	Width	Thickness
	LJ-9000	5" (127 mm)	5" (127 mm)	1" (25 mm)
	LJ-9001	5" (127 mm)	5" (127 mm)	1 1/4" (32 mm)
	LJ-9300	3 3/4" (92 mm)	3 3/4" (92 mm)	1/4" (22 mm)
LJ-9301	3 3/4" (92 mm)	3 3/4" (92 mm)	1 5/8" (24 mm)	
Finials:	Item Number	Height	Widest Width	Base Diameter
	LJ-9002	6 7/16" (167 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9003	6" (152 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9004	5 9/16" (148 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9005	6 7/16" (164 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9006	4 3/4" (121 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9007	5 9/16" (132 mm)	3 1/4" (83 mm)	3 1/4" (83 mm)
	LJ-9008	4 7/16" (113 mm)	3 1/4" (83 mm)	3 1/8" (78 mm)
	LJ-9009	6 1/2" (165 mm)	3 1/4" (79 mm)	3 1/4" (83 mm)
Rosette Blocks:	Item Number	Height	Width	Thickness
	LJ-9100	4" (102 mm)	4" (102 mm)	1/2" (13 mm)
LJ-9101	3 1/2" (89 mm)	3 1/2" (89 mm)	1/2" (13 mm)	
Embossed Carvings:	Item Number	Height	Width	Thickness
	LJ-9102	3 1/2" (89 mm)	3 1/2" (89 mm)	1/4" (8 mm)
	LJ-9103	3" (76 mm)	3 3/4" (92 mm)	1/4" (8 mm)
	LJ-9104	3" (76 mm)	3" (76 mm)	1/4" (8 mm)
	LJ-9105	3 1/4" (83 mm)	3 1/2" (89 mm)	1/4" (8 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 2 1/2" x 5/16" lag screw.



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

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



ROSETTE BLOCKS & EMBOSSED CARVINGS

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



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

	4075	4091	4092	4093	4094	4095	4096	4097	4175	4391	4392	4393	4394	4395	4396	4397
9000																
9001																
9002																
9003																
9004																
9005																
9006																
9007																
9008																
9009																
9100																
9101																
9102																
9103																
9104																
9105																
9203																
9204																
9300																
9301																

Over the Post Systems

This section features all of our wood Over the Post Balustrade options. Each page pictures components that are compatible with one another. We recommend choosing the handrail, baluster and newel styles from the same page. In some cases, however, components from one page might be compatible with others from a different page.

Pictured: LJ-5005 balusters, LJ-4270 newel series, LJ-6400P plowed handrail, LJ-7431 and LJ-7436 climbing volutes.



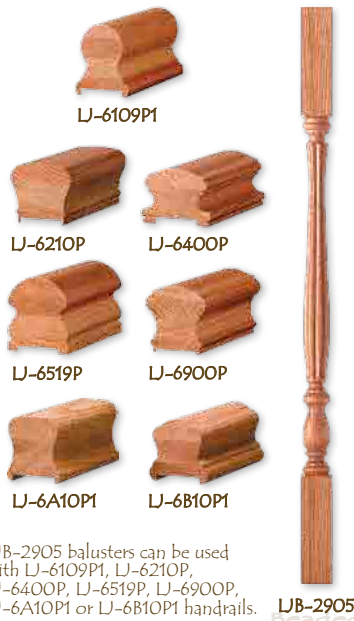
Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



LJB-3910†
LJB-3914†
LJB-3915
LJB-3917
LJB-3918

Shoerail & Fillet



Newel Drop



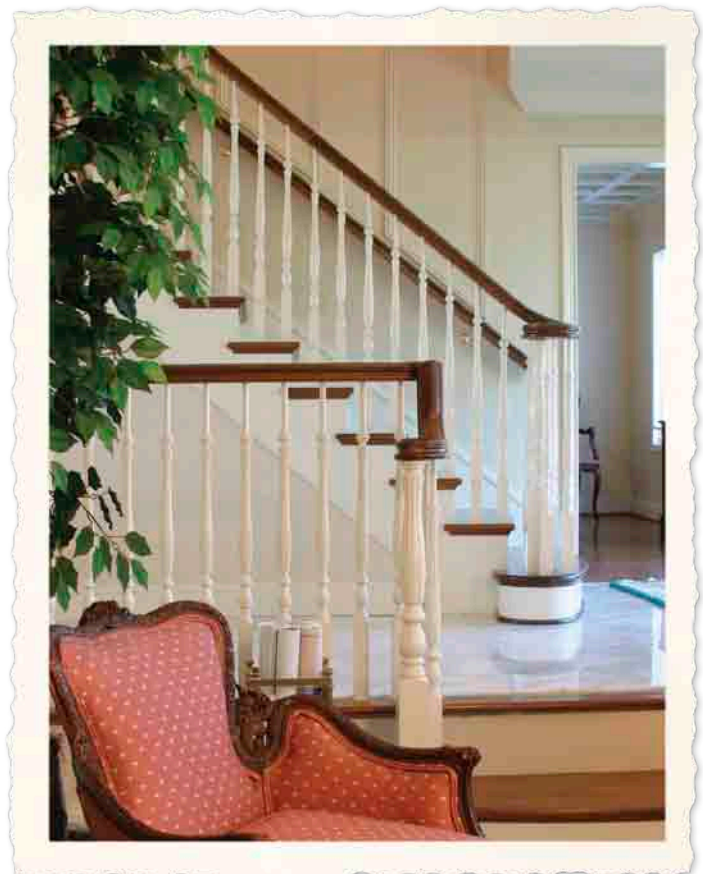
LJ-4099A

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/4" (73 mm)	1 1/8" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/8" (73 mm)	1 1/8" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/8" (54 mm)	2 3/4" (70 mm)	1 3/8" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A	
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJB-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)
LJB-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)
LJB-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)
LJB-2915-34	N/A	27 3/16" (700 mm)	6 7/16" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJB-2915-38	N/A	27 3/16" (700 mm)	10 7/16" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJB-2915-42	N/A	27 3/16" (700 mm)	14 7/16" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
LJB-3910	23 1/16" (586 mm)	18 13/16" (461 mm)	3/4" (83 mm)	43" (1092 mm)	
LJB-3914	23 1/16" (586 mm)	25 15/16" (659 mm)	3/4" (83 mm)	50" (1270 mm)	
Intermediate Landing Newel	Turning Length	Bottom Block	Square Size	Overall Length	
LJB-3915	23 1/16" (586 mm)	33 13/16" (862 mm)	3/4" (83 mm)	58" (1473 mm)	
LJB-3917	23 1/16" (586 mm)	40 13/16" (1043 mm)	3/4" (83 mm)	65" (1651 mm)	
LJB-3918	23 1/16" (586 mm)	48 13/16" (1243 mm)	3/4" (83 mm)	73" (1854 mm)	

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



Pictured: LJ-6400 Handrail, LJB-3910 Utility Newels, LJB-2915 Balusters, LJ-7430 Left Hand Volute, LJ-7441-90 Left Hand Turnout and a Landing Fitting Assembly.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



LJF-3910†
LJF-3914†
LJF-3915
LJF-3917
LJF-3918

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6007

LJ-6006

Each baluster is 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 95 (sold separately).

† Includes LJ-3007HDWE hardware kit (see page 94)

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/4" (73 mm)	1 1/8" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 1/8" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A	
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/16" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJF-2905-34	6 1/2" (165 mm)	21 1/4" (535 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2905-38	6 1/2" (165 mm)	21 1/4" (535 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2905-42	6 1/2" (165 mm)	21 1/4" (535 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJF-2915-34	N/A	27 1/4" (700 mm)	6 7/8" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2915-38	N/A	27 1/4" (700 mm)	10 7/8" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2915-42	N/A	27 1/4" (700 mm)	14 7/8" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJF-3910	23 1/4" (586 mm)	18 1/4" (461 mm)	3/4" (83 mm)	43" (1092 mm)	
LJF-3914	23 1/4" (586 mm)	25 1/4" (639 mm)	3/4" (83 mm)	50" (1270 mm)	
Intermediate Landing Newel					
LJF-3915	23 1/4" (586 mm)	33 1/4" (842 mm)	3/4" (83 mm)	58" (1473 mm)	
LJF-3917	23 1/4" (586 mm)	40 1/4" (1040 mm)	3/4" (83 mm)	65" (1651 mm)	
LJF-3918	23 1/4" (586 mm)	48 1/4" (1243 mm)	3/4" (83 mm)	73" (1854 mm)	

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



Pictured: LJ-6519 Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJF-3910 Utility Newel, LJF-2915 Balusters, LJ-7510 Starting Easing with Cap, and LJ-7027 Rosette.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

LJ-2915

Plowed Handrails and Square Top Balusters



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

LJ-2905

Newel Posts



LJP-3910T
LJP-3914†
LJP-3915
LJP-3917
LJP-3918

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6007

LJ-6006

Each baluster is 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 95 (sold separately).

† Includes LJ-3007HDWE hardware kit (see page 94)

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/2" (73 mm)	1 1/2" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/2" (73 mm)	1 1/2" (48 mm)	2 3/4" (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 1/2" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 5/8" (67 mm)	1 1/2" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 1/2" (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 5/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10P1	2 5/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/2" (79 mm)	1 3/4" (44 mm)		
LJ-6007	5/8" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-2905-34	6 1/2" (165 mm)	21 1/2" (535 mm)	6 3/4" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2905-38	6 1/2" (165 mm)	21 1/2" (535 mm)	10 3/4" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2905-42	6 1/2" (165 mm)	21 1/2" (535 mm)	14 3/4" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-2915-34	N/A	27 7/8" (700 mm)	6 3/4" (164 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2915-38	N/A	27 7/8" (700 mm)	10 3/4" (265 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2915-42	N/A	27 7/8" (700 mm)	14 3/4" (367 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJP-3910	23 1/8" (586 mm)	18 1/8" (481 mm)	3 1/4" (83 mm)	43" (1092 mm)	
LJP-3914	23 1/8" (586 mm)	25 1/8" (639 mm)	3 1/4" (83 mm)	50" (1270 mm)	
Intermediate Landing Newel					
LJP-3915	23 1/8" (586 mm)	33 1/8" (822 mm)	3 1/4" (83 mm)	58" (1473 mm)	
LJP-3917	23 1/8" (586 mm)	40 1/8" (1040 mm)	3 1/4" (83 mm)	65" (1651 mm)	
LJP-3918	23 1/8" (586 mm)	48 1/8" (1243 mm)	3 1/4" (83 mm)	73" (1854 mm)	

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



Pictured: LJ-6900 Handrail, LJP-3910 Utility Newels, LJP-3915 Intermediate Landing Newel, LJP-2915 Balusters, LJ-7930 Left Hand Volute, LJ-7935 Right Hand Volute, 2 Landing Fitting Assemblies and LJ-7026 Rosette.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

LJF-2115 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

Plowed Handrails and Square Top Balusters



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

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



LJF-2105

Newel Posts



LJF-3310†
LJF-3314†
LJF-3315
LJF-3317
LJF-3318

Newel Drop



LJ-4299A

† Includes LJ-3007HDWE hardware kit (see page 94)

Shoerail & Fillet



LJ-6007
LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 1/4" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A	
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJF-2105-34	6 1/2" (165 mm)	19 1/4" (486 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2105-38	6 1/2" (165 mm)	19 1/4" (486 mm)	12 1/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2105-42	6 1/2" (165 mm)	19 1/4" (486 mm)	16 1/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJF-2115-34	N/A	25 3/4" (642 mm)	8 7/8" (214 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2115-38	N/A	25 3/4" (642 mm)	12 1/4" (316 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2115-42	N/A	25 3/4" (642 mm)	16 1/4" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJF-3310	22 1/4" (581 mm)	19 1/4" (486 mm)	3 1/2" (89 mm)	43" (1092 mm)	
LJF-3314	22 1/4" (581 mm)	26 1/4" (664 mm)	3 1/2" (89 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJF-3315	22 1/4" (581 mm)	34 1/4" (867 mm)	3 1/2" (89 mm)	58" (1473 mm)	
LJF-3317	22 1/4" (581 mm)	41 1/4" (1045 mm)	3 1/2" (89 mm)	65" (1651 mm)	
LJF-3318	22 1/4" (581 mm)	49 1/4" (1248 mm)	3 1/2" (89 mm)	73" (1854 mm)	

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



Pictured: LJ-6701 Handrail, LJF-3310 Utility Newels, LJF-3315 Intermediate Landing Newel, LJF-2115 Balusters, LJ-7735 Right Hand Volute and 2 Landing Fitting Assemblies.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



LJF-3210†
LJF-3214†
LJF-3215
LJF-3217
LJF-3218

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6007

LJ-6006

Each baluster is 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 95 (sold separately).

† Includes LJ-3007HDWE hardware kit (see page 94)

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/4" (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 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 5/8" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 5/8" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A	
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (19 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJF-2105-34	6 1/2" (165 mm)	19 1/8" (486 mm)	8 3/4" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2105-38	6 1/2" (165 mm)	19 1/8" (486 mm)	12 3/8" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2105-42	6 1/2" (165 mm)	19 1/8" (486 mm)	16 3/8" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJF-2115-34	N/A	25 3/8" (642 mm)	8 7/8" (214 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2115-38	N/A	25 3/8" (642 mm)	12 7/8" (316 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2115-42	N/A	25 3/8" (642 mm)	16 7/8" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJF-3210	22 1/4" (581 mm)	19 1/8" (486 mm)	3" (76 mm)	43" (1092 mm)	
LJF-3214	22 1/4" (581 mm)	26 1/8" (664 mm)	3" (76 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJF-3215	22 1/4" (581 mm)	34 1/8" (867 mm)	3" (76 mm)	58" (1473 mm)	
LJF-3217	22 1/4" (581 mm)	41 1/8" (1045 mm)	3" (76 mm)	65" (1651 mm)	
LJF-3218	22 1/4" (581 mm)	49 1/8" (1248 mm)	3" (76 mm)	73" (1854 mm)	

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



Pictured: LJ-6B10 Handrail, LJF-3210 Utility Newels, LJF-2115 Balusters, LJ-7B30 Left Hand Volute, LJ-7B10 Starting Easing with Cap, Landing Fitting Assembly, LJ-7033 Rosette and LJ-8912 Skirtboard.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



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

Newel Drop



LJ-4299A

† Includes LJ-3007HDWE hardware kit (see page 94)

Shoerail & Fillet



LJ-6007

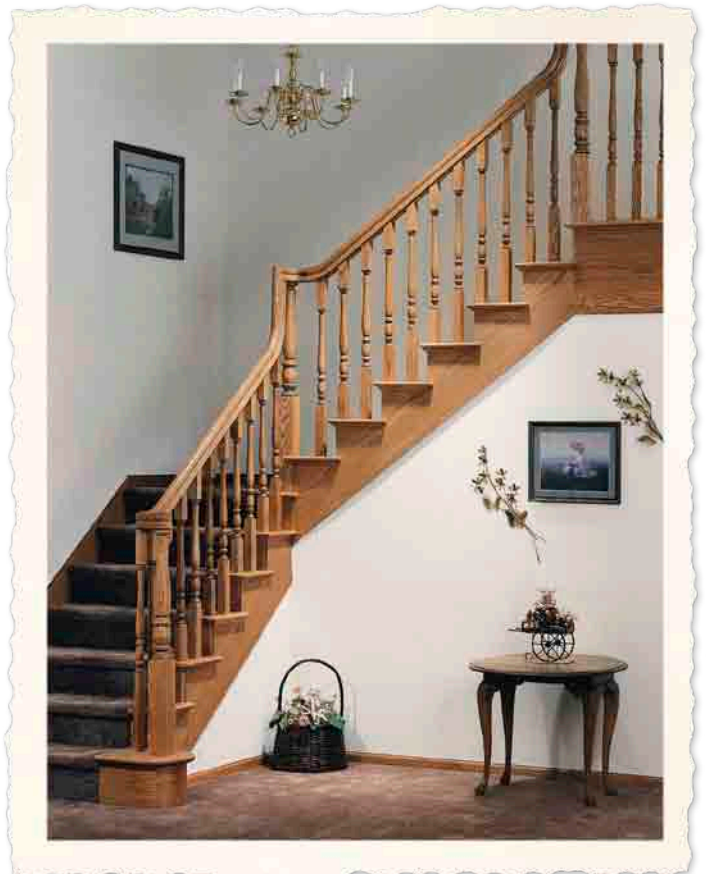
LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 7/8" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	N/A	
LJ-6109P1	2 7/8" (73 mm)	1 3/4" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/4" (60 mm)	2 3/4" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/8" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 3/4" (79 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-2105-34	6 1/2" (165 mm)	19 1/2" (486 mm)	8 5/8" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2105-38	6 1/2" (165 mm)	19 1/2" (486 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2105-42	6 1/2" (165 mm)	19 1/2" (486 mm)	16 3/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-2111-34	N/A	25 5/8" (651 mm)	8 5/8" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-2111-38	N/A	25 5/8" (651 mm)	12 3/4" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-2111-42	N/A	25 5/8" (651 mm)	16 3/4" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-2115-34	N/A	25 5/8" (642 mm)	8 7/8" (214 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2115-38	N/A	25 5/8" (642 mm)	12 7/8" (316 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2115-42	N/A	25 5/8" (642 mm)	16 7/8" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJP-3310	22 1/4" (581 mm)	19 1/4" (486 mm)	3 1/2" (89 mm)	43" (1092 mm)	
LJP-3314	22 1/4" (581 mm)	26 1/4" (664 mm)	3 1/2" (89 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJP-3315	22 1/4" (581 mm)	34 1/4" (867 mm)	3 1/2" (89 mm)	58" (1473 mm)	
LJP-3317	22 1/4" (581 mm)	41 1/4" (1045 mm)	3 1/2" (89 mm)	65" (1651 mm)	
LJP-3318	22 1/4" (581 mm)	49 1/4" (1248 mm)	3 1/2" (89 mm)	73" (1854 mm)	

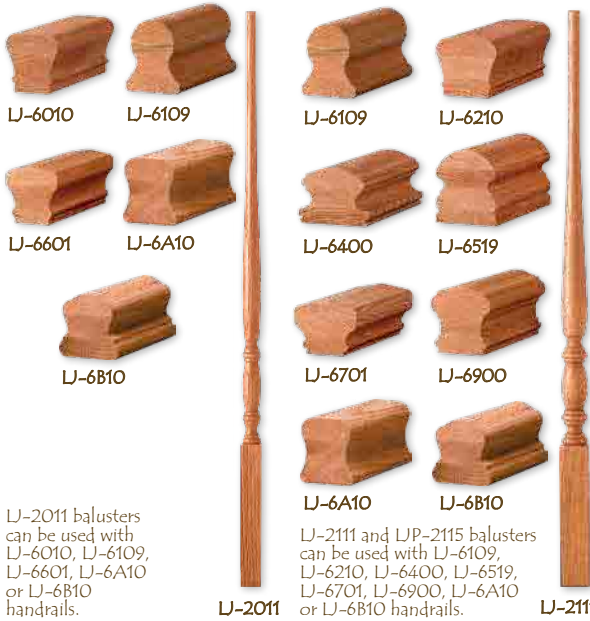
* Length is from the top of the bottom block to the top of the baluster



Pictured: LJ-6109P1 Handrail, LJP-3310 Utility Newels, LJP-3315 Intermediate Landing Newel, LJP-2105 Balusters, LJ-7146P1 Right Hand Turnout and 2 Landing Fitting Assemblies.

Over the Post Systems

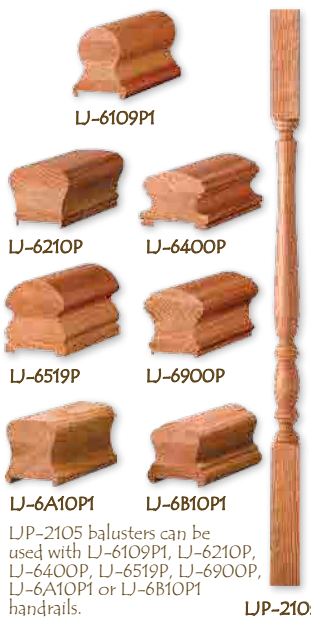
Non-Plowed Handrails and Pin Top Balusters



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

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

Plowed Handrails and Square Top Balusters



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

Newel Posts



† Includes LJ-3007HDWE hardware kit (see page 94)

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width
LJ-6010	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A
LJ-6109	2 1/2" (73 mm)	1 1/2" (48 mm)	2 3/8" (60 mm)	N/A
LJ-6109P1	2 1/2" (73 mm)	1 1/2" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)
LJ-6210	2 3/8" (60 mm)	2 3/8" (60 mm)	2" (51 mm)	N/A
LJ-6210P	2 3/8" (60 mm)	2 3/8" (60 mm)	2" (51 mm)	1 3/4" (44 mm)
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)
LJ-6519	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	N/A
LJ-6519P	3" (76 mm)	2 3/8" (67 mm)	2 3/8" (67 mm)	1 3/4" (44 mm)
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A
LJ-6701	2 1/2" (54 mm)	2 3/4" (70 mm)	1 1/2" (41 mm)	N/A
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	N/A
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)

Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)
LJ-6050	3/8" (10 mm)	1 1/4" (32 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-2011-34	N/A	25 3/8" (642 mm)	8 7/16" (214 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-2011-38	N/A	25 3/8" (642 mm)	12 1/4" (316 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-2011-42	N/A	25 3/8" (642 mm)	16 7/16" (418 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJP-2105-34	6 1/2" (165 mm)	19 1/8" (486 mm)	8 3/8" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2105-38	6 1/2" (165 mm)	19 1/8" (486 mm)	12 3/8" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2105-42	6 1/2" (165 mm)	19 1/8" (486 mm)	16 3/8" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-2111-34	N/A	25 3/8" (651 mm)	8 3/8" (213 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-2111-38	N/A	25 3/8" (651 mm)	12 3/8" (314 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-2111-42	N/A	25 3/8" (651 mm)	16 3/8" (416 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-2115-34	N/A	25 3/8" (642 mm)	8 7/16" (214 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-2115-38	N/A	25 3/8" (642 mm)	12 1/4" (316 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-2115-42	N/A	25 3/8" (642 mm)	16 7/16" (418 mm)	1 3/4" (44 mm)	42" (1067 mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
LJP-3210	22 1/8" (581 mm)	19 1/8" (486 mm)	3" (76 mm)	43" (1092 mm)
LJP-3214	22 1/8" (581 mm)	26 1/4" (664 mm)	3" (76 mm)	50" (1270 mm)
Intermediate Landing Newels				
LJP-3215	22 1/8" (581 mm)	34 1/4" (867 mm)	3" (76 mm)	58" (1473 mm)
LJP-3217	22 1/8" (581 mm)	41 1/4" (1045 mm)	3" (76 mm)	65" (1651 mm)
LJP-3218	22 1/8" (581 mm)	49 1/4" (1248 mm)	3" (76 mm)	73" (1854 mm)

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



Pictured: LJ-6A10 Handrail, LJP-3210 Utility Newels, LJP-3215 Intermediate Landing Newels, LJP-2115 Balusters, LJ-7A31 Left Hand Climbing Volute, LJ-7A36 Right Hand Climbing Volute and 3 Landing Fitting Assemblies.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters

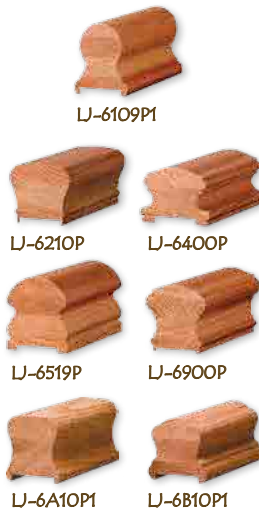


LJ-6109 LJ-6210
LJ-6400 LJ-6519
LJ-6701 LJ-6900
LJ-6A10 LJ-6B10

LJP-20158 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 Original

Plowed Handrails and Square Top Balusters



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

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

LJP-20058 Original

Newel Posts



LJP-30108†
LJP-30148†
LJP-30158
LJP-30178
LJP-30188

Newel Drop



LJ-4299A

† Includes LJ-3007HDWE hardware kit (see page 94)

Shoerail & Fillet



LJ-6007
LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 7/8" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	N/A	
LJ-6109P1	2 7/8" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 5/8" (60 mm)	2 5/8" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 5/8" (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 1/4" (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 9/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 5/8" (67 mm)	1 9/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 5/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	N/A	
LJ-6A10P1	2 5/8" (60 mm)	2" (51 mm)	2 1/8" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 5/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10P1	2 5/8" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/8" (79 mm)	1 3/4" (44 mm)		
LJ-6007	5/8" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJP-20058-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-20058-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-20058-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJP-20158-34	N/A	28" (711 mm)	6" (152 mm)	1 3/4" (44 mm)	34" (864 mm)
LJP-20158-38	N/A	28" (711 mm)	10" (254 mm)	1 3/4" (44 mm)	38" (965 mm)
LJP-20158-42	N/A	28" (711 mm)	14" (356 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJP-30108	27" (686 mm)	15" (381 mm)	3 1/2" (89 mm)	43" (1092 mm)	
LJP-30148	27" (686 mm)	22" (559 mm)	3 1/2" (89 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJP-30158	27" (686 mm)	30" (762 mm)	3 1/2" (89 mm)	58" (1473 mm)	
LJP-30178	27" (686 mm)	37" (940 mm)	3 1/2" (89 mm)	65" (1651 mm)	
LJP-30188	27" (686 mm)	45" (1143 mm)	3 1/2" (89 mm)	73" (1854 mm)	

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



Pictured: LJ-6400 Handrail, LJP-30108 Utility Newels, LJP-30148 Utility Newel, LJP-30148 Utility Newel (half), LJP-20158 Balusters, LJ-7430 Left Hand Volute, LJ-7435 Right Hand Volute and 2 Landing Fitting Assemblies.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



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

Newel Posts



LJ-3010†
LJ-3014†
LJ-3015
LJ-3017
LJ-3018

Shoerail & Fillet



LJ-6007

LJ-6006

Newel Drop



LJ-4299A
Newel Drop

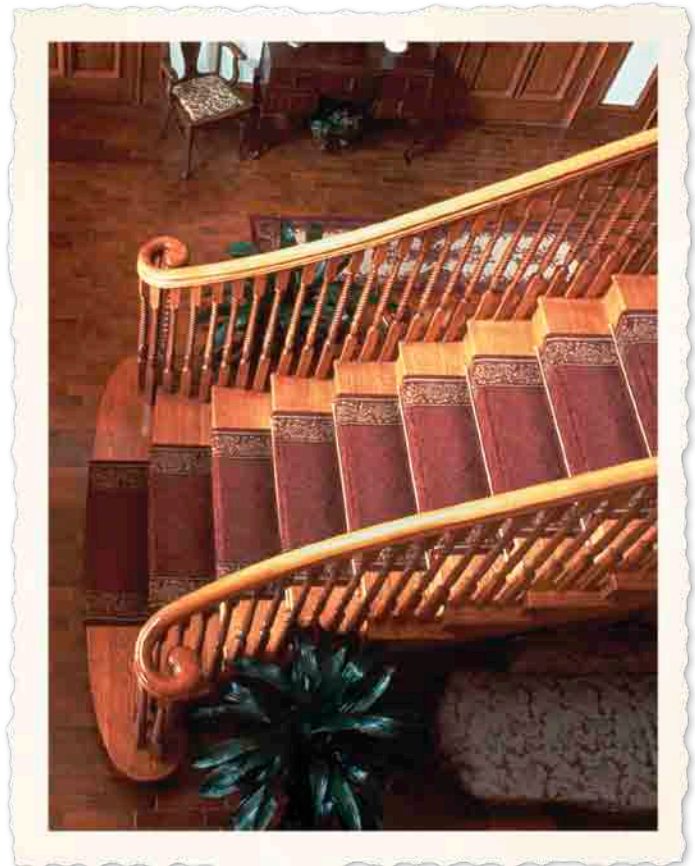
† Includes LJ-3007HDWE hardware kit (see page 94)

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 7/8" (73 mm)	1 7/8" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/2" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/8" (67 mm)	1 15/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/8" (67 mm)	1 15/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A	
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 3/8" (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
LJT-2005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJT-2005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJT-2005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJT-2015-34	N/A	28" (711 mm)	6" (152 mm)	1 3/4" (44 mm)	34" (864 mm)
LJT-2015-38	N/A	28" (711 mm)	10" (254 mm)	1 3/4" (44 mm)	38" (965 mm)
LJT-2015-42	N/A	28" (711 mm)	14" (356 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJT-3010	27" (686 mm)	15" (381 mm)	3 1/2" (89 mm)	43" (1092 mm)	
LJT-3014	27" (686 mm)	22" (559 mm)	3 1/2" (89 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJT-3015	27" (686 mm)	30" (762 mm)	3 1/2" (89 mm)	58" (1473 mm)	
LJT-3017	27" (686 mm)	37" (940 mm)	3 1/2" (89 mm)	65" (1651 mm)	
LJT-3018	27" (686 mm)	45" (1143 mm)	3 1/2" (89 mm)	73" (1854 mm)	

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



Pictured: LJ-6519P Handrail, LJ-6007 Fillet, LJ-3010 Utility Newels, LJ-2005 Balusters, LJ-7531 Left Hand Climbing Volute and LJ-7536 Right Hand Climbing Volute.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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



LJF-2015

Plowed Handrails and Square Top Balusters



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



LJF-2005

Newel Posts



LJF-3010†
LJF-3014†
LJF-3015
LJF-3017
LJF-3018

Newel Drop



LJ-4299A
Newel Drop

† Includes LJ-3007HPWE hardware kit (see page 94)

Shoerail & Fillet



LJ-6007

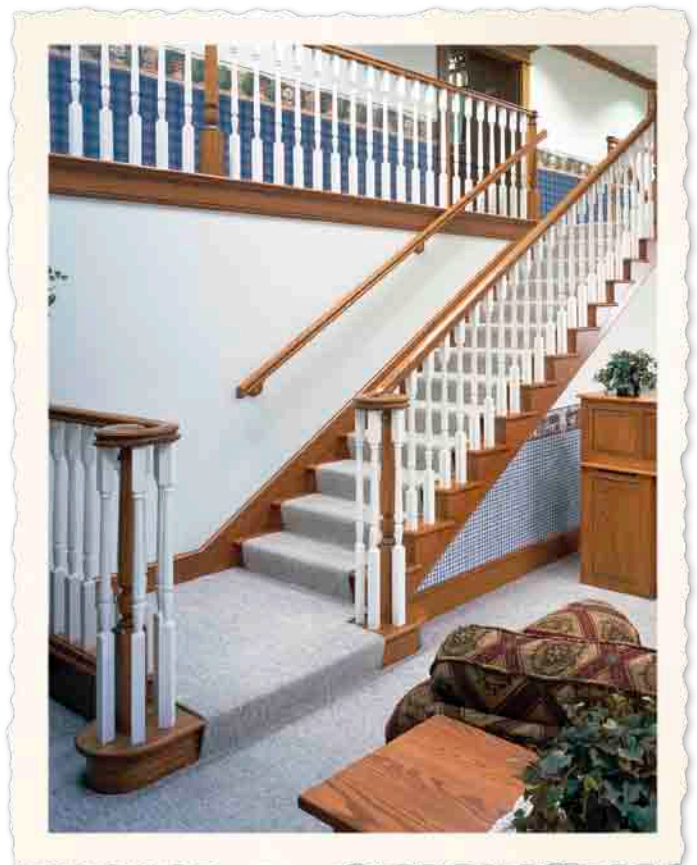
LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/8" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 3/8" (60 mm)	2 3/8" (67 mm)	2" (51 mm)	1 3/4" (44 mm)	
LJ-6400	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	N/A	
LJ-6400P	2 1/4" (57 mm)	2 3/4" (70 mm)	3" (76 mm)	1 3/4" (44 mm)	
LJ-6519	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 3/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/2" (64 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 3/4" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A	
LJ-6A10P1	2 3/8" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/8" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 3/8" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/4" (99 mm)	1 3/4" (44 mm)		
LJ-6007	3/4" (19 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJF-2005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJF-2015-34	N/A	28" (711 mm)	6" (152 mm)	1 3/4" (44 mm)	34" (864 mm)
LJF-2015-38	N/A	28" (711 mm)	10" (254 mm)	1 3/4" (44 mm)	38" (965 mm)
LJF-2015-42	N/A	28" (711 mm)	14" (356 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJF-3010	27" (686 mm)	15" (381 mm)	3 1/2" (89 mm)	43" (1092 mm)	
LJF-3014	27" (686 mm)	22" (559 mm)	3 1/2" (89 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJF-3015	27" (686 mm)	30" (762 mm)	3 1/2" (89 mm)	58" (1473 mm)	
LJF-3017	27" (686 mm)	37" (940 mm)	3 1/2" (89 mm)	65" (1651 mm)	
LJF-3018	27" (686 mm)	45" (1143 mm)	3 1/2" (89 mm)	73" (1854 mm)	

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



Pictured: LJ-6400P Handrail, LJ-6007 Fillet, LJF-3010 Utility Newels, LJF-3014 Utility Newel, LJF-2005 Balusters, LJ-7430P Left Hand Volute, LJ-7435P Right Hand Volute, LJ-7419 Opening Cap and LJ-6109 Handrail for the wall rail.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

LJ-2015

Plowed Handrails and Square Top Balusters



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

LJ-2005

Newel Posts



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

Newel Drop



LJ-4299A

Shoerail & Fillet



LJ-6007

LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions

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

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

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

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

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

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



Pictured: LJ-6109 Handrail, LJ-6006 Shoerail, LJ-6007 Fillet, LJP-3010 Utility Newels, LJP-2015 Balusters, LJ-7110 Starting Easing with Cap and LJ-7121 Quarterturn with Cap.

Over the Post Systems

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

Plowed Handrails and Square Top Balusters



LJ-6109P1



LJ-6210P LJ-6400P



LJ-6519P LJ-6900P



LJ-6A10P1 LJ-6B10P1



LJ-50058
Octagonal

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

Newel Posts



LJ-42708†
LJ-42748†
LJ-42758
LJ-42778
LJ-42788

Newel Drop



LJ-4099A

† Includes LJ-3007HDWE hardware kit (see page 94)

Shoerail & Fillet



LJ-6007

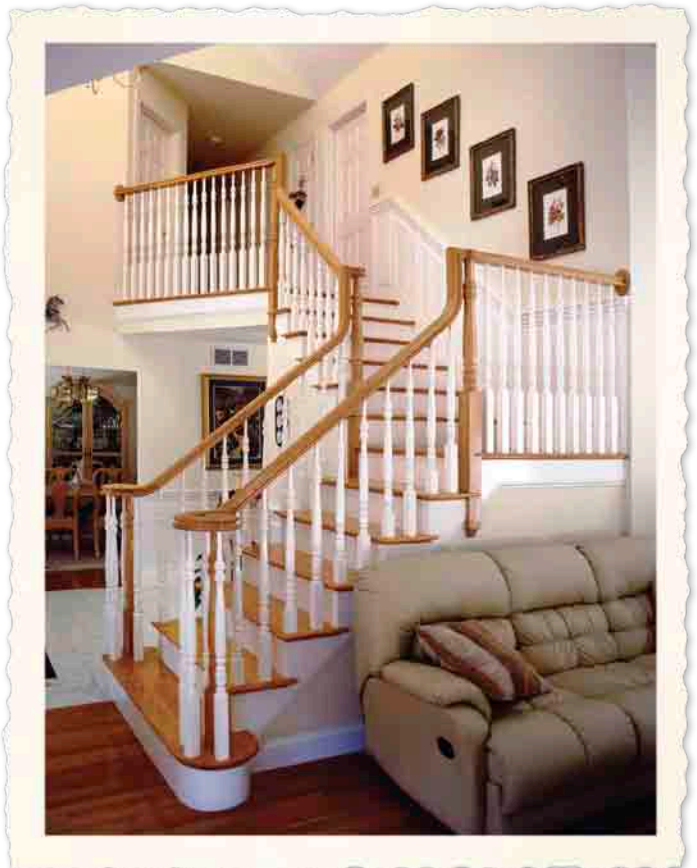


LJ-6006

Each baluster is 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 95 (sold separately).

Product Dimensions					
Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6109	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	N/A	
LJ-6109P1	2 1/4" (73 mm)	1 1/4" (48 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
LJ-6210	2 1/2" (60 mm)	2 1/2" (67 mm)	2" (51 mm)	N/A	
LJ-6210P	2 1/2" (60 mm)	2 1/2" (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 1/4" (67 mm)	2 3/4" (67 mm)	N/A	
LJ-6519P	3" (76 mm)	2 1/4" (67 mm)	2 3/4" (67 mm)	1 3/4" (44 mm)	
LJ-6701	2 1/4" (54 mm)	2 3/4" (70 mm)	1 3/4" (41 mm)	N/A	
LJ-6900	2 3/4" (70 mm)	2 1/2" (67 mm)	1 13/16" (49 mm)	N/A	
LJ-6900P	2 3/4" (70 mm)	2 1/2" (67 mm)	1 13/16" (49 mm)	1 3/4" (44 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	N/A	
LJ-6A10P1	2 3/4" (60 mm)	2" (51 mm)	2 1/2" (54 mm)	1 3/4" (44 mm)	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10P1	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 3/4" (44 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)		
LJ-6007	5/16" (8 mm)	1 3/4" (44 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-50058-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-50058-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-50058-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-53008-34	N/A	27" (686 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-53008-38	N/A	27" (686 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-53008-42	N/A	27" (686 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJ-42708	27" (686 mm)	15" (381 mm)	3 1/4" (83 mm)	43" (1092 mm)	
LJ-42748	27" (686 mm)	22" (559 mm)	3 1/4" (83 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJ-42758	27" (686 mm)	30" (762 mm)	3 1/4" (83 mm)	58" (1473 mm)	
LJ-42778	27" (686 mm)	37" (940 mm)	3 1/4" (83 mm)	65" (1651 mm)	
LJ-42788	27" (686 mm)	45" (1143 mm)	3 1/4" (83 mm)	73" (1854 mm)	

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



Pictured: LJ-6400 Handrail, LJ-42708 Utility Newels, LJ-42758 Intermediate Landing Newels, LJ-53008 Balusters LJ-7430 Left Hand Volute, LJ-7435 Right Hand Volute, 3 Landing Fitting Assemblies and LJ-7027 Rosettes.

Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



LJ-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-5300

Plowed Handrails and Square Top Balusters



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

LJ-5005

Newel Posts



Shoerail & Fillet



LJ-6007

LJ-6006

Newel Drop



LJ-4099A

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

† Includes LJ-3007HDWE hardware kit (see page 94)

Each baluster is 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 95 (sold separately).

Product Dimensions

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

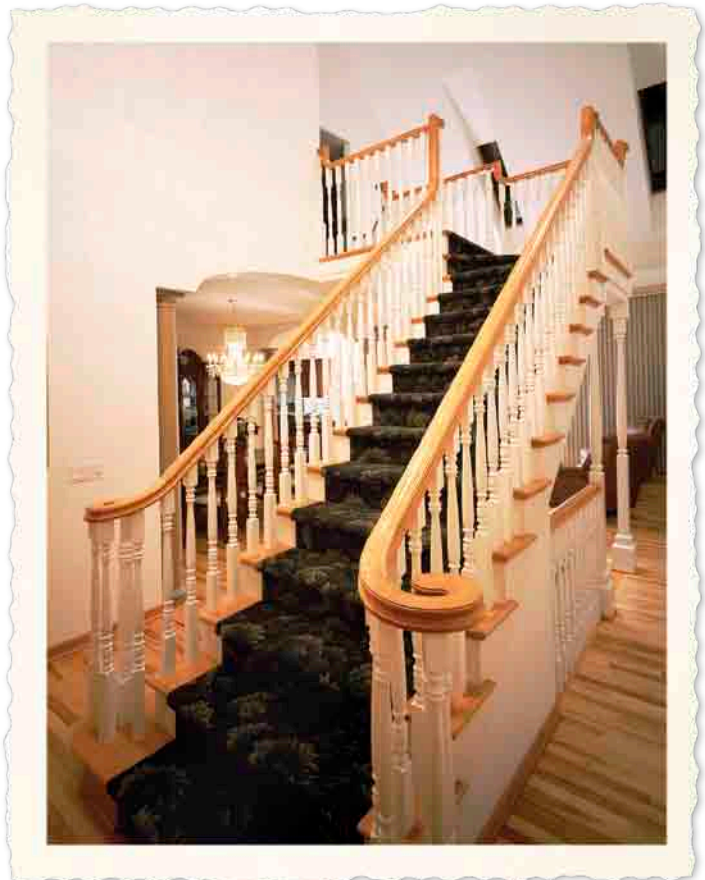
Shoerail and Fillet:	Height	Width	Plow Width
LJ-6006	1" (25 mm)	3 1/4" (79 mm)	1 3/4" (44 mm)
LJ-6007	3/4" (8 mm)	1 3/4" (44 mm)	N/A

Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5005ND-31†	5 1/8" (149 mm)	16 5/8" (422 mm)	8 1/2" (216 mm)	1 3/4" (44 mm)	31" (787 mm)
LJ-5005-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-5005-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-5005-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)
LJ-5300-34	N/A	27" (686 mm)	7" (178 mm)	1 3/4" (44 mm)	34" (864 mm)
LJ-5300-38	N/A	27" (686 mm)	11" (279 mm)	1 3/4" (44 mm)	38" (965 mm)
LJ-5300-42	N/A	27" (686 mm)	15" (381 mm)	1 3/4" (44 mm)	42" (1067 mm)

Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length
Utility Newels				
LJ-4270	27" (686 mm)	15" (381 mm)	3 1/4" (83 mm)	43" (1092 mm)
LJ-4274	27" (686 mm)	22" (559 mm)	3 1/4" (83 mm)	50" (1270 mm)
Intermediate Landing Newels				
LJ-4275	27" (686 mm)	30" (762 mm)	3 1/4" (83 mm)	58" (1473 mm)
LJ-4277	27" (686 mm)	37" (940 mm)	3 1/4" (83 mm)	65" (1651 mm)
LJ-4278	27" (686 mm)	45" (1143 mm)	3 1/4" (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)

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

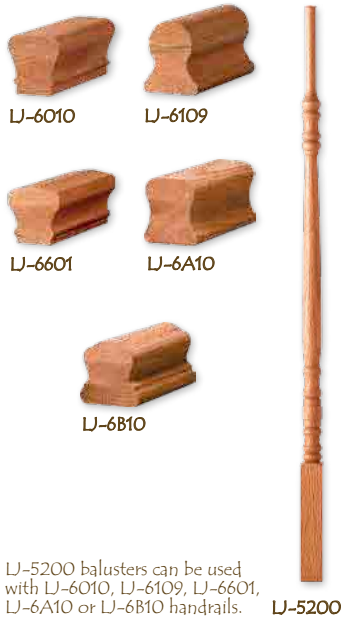
† 31" Balusters are for kneewall stairways only. They are NOT predrilled and they do NOT include the Pin EZ.



Pictured: LJ-6400P Handrail, LJ-6007 Fillet, LJ-4270 Utility Newels, LJ-4277 Intermediate Landing Newel, LJ-5005 Balusters, LJ-7431 Left Hand Climbing Volute, LJ-7436 Right Hand Climbing Volute and 5 Landing Fitting Assemblies.

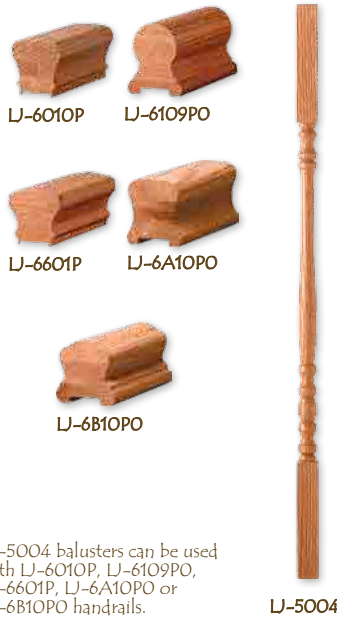
Over the Post Systems

Non-Plowed Handrails and Pin Top Balusters



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

Plowed Handrails and Square Top Balusters



LJ-5004 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

Newel Posts



† Includes LJ-3007HDWE hardware kit (see page 94)

Shoerail & Fillet

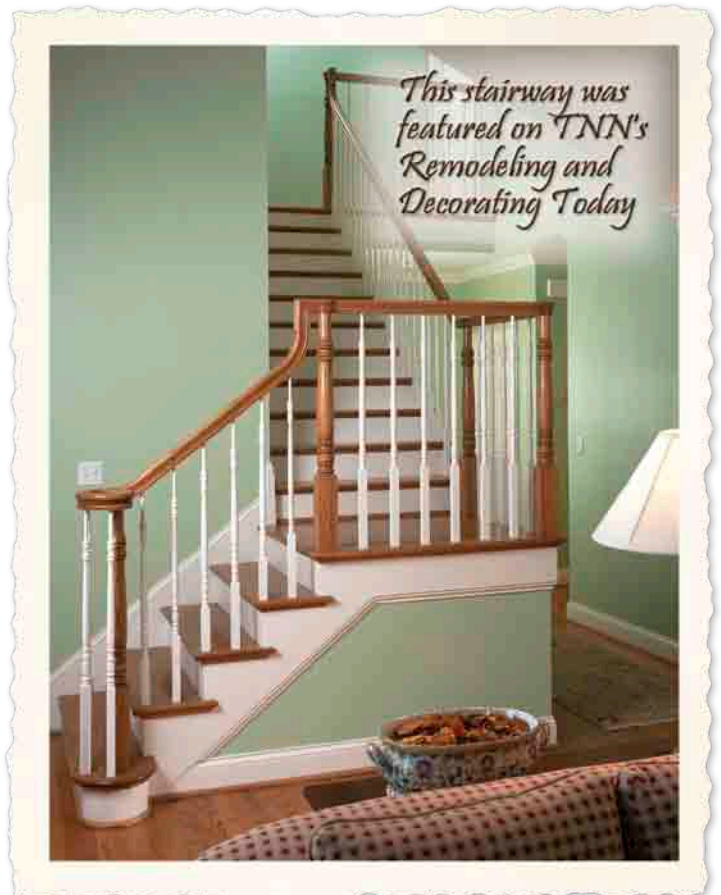


Each baluster is pre-drilled with a 9/32" (7 mm) diameter hole at least 3" (76 mm) deep in which a pin ("Pin E-Z") is loosely inserted. Every baluster can then be installed in the traditional manner, or by using the Dowel-Fast® screws as shown on page 95 (sold separately).

Product Dimensions					
Handrails:					
	Height	Profile Width	Bottom Width	Plow Width	
LJ-6010	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A	
LJ-6010P	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)	
LJ-6109	2 3/4" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	N/A	
LJ-6109PO	2 3/4" (73 mm)	1 1/8" (48 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)	
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A	
LJ-6601P	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	N/A	
LJ-6A10PO	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (54 mm)	1 1/4" (32 mm)	
LJ-6B10	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	N/A	
LJ-6B10PO	2 3/4" (59 mm)	2" (51 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)	
Shoerail and Fillet:					
	Height	Width		Plow Width	
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)		1 1/4" (32 mm)	
LJ-6050	3/4" (10 mm)	1 1/4" (32 mm)		N/A	
Balusters:					
	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5004ND-31†	5 1/4" (149 mm)	16 3/4" (422 mm)	8 1/2" (216 mm)	1 1/4" (32 mm)	31" (787 mm)
LJ-5004-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5004-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5004-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5200-34	N/A	27" (686 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5200-38	N/A	27" (686 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5200-42	N/A	27" (686 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)
Newel Posts:					
	Turning Length	Bottom Block	Square Size	Overall Length	
Utility Newels					
LJ-3270	27" (686 mm)	15" (381 mm)	3" (76 mm)	43" (1092 mm)	
LJ-3274	27" (686 mm)	22" (559 mm)	3" (76 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJ-3275	27" (686 mm)	30" (762 mm)	3" (76 mm)	58" (1473 mm)	
LJ-3277	27" (686 mm)	37" (940 mm)	3" (76 mm)	65" (1651 mm)	
LJ-3278	27" (686 mm)	45" (1143 mm)	3" (76 mm)	73" (1854 mm)	
Rake Newel					
LJ-3513PT	27 3/4" (706 mm)	20 3/4" (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 E-Z.



Pictured: LJ-6010 Handrail, LJ-3270 Utility Newels, LJ-5200 Balusters, LJ-7035 Right Hand Volute, LJ-7021 Quarterturn with Cap and 2 Landing Fitting Assemblies.

Over the Post Systems

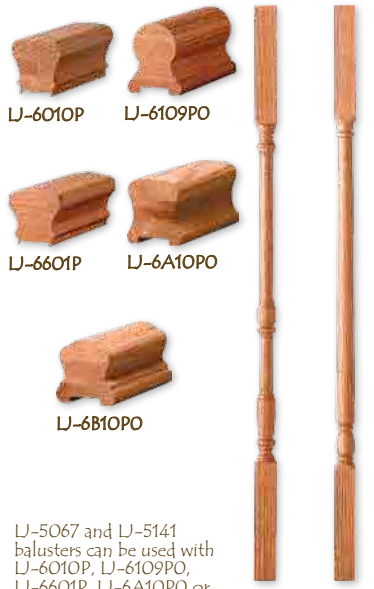
Non-Plowed Handrails and Pin Top Balusters



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

LJ-5015 LJ-5035 LJ-5040

Plowed Handrails and Square Top Balusters



LJ-5067 and LJ-5141 balusters can be used with LJ-6010P, LJ-6109PO, LJ-6601P, LJ-6A10PO or LJ-6B10PO handrails.

LJ-5067 LJ-5141

Newel Posts

Newel Drop



LJ-4099A

Shoerail & Fillet



LJ-6050



LJ-4010†
LJ-4014†
LJ-4015
LJ-4017
LJ-4018
LJ-4013PT†
LJ-4050†
LJ-4060†

† Includes LJ-3007HDWE hardware kit (see page 94)

Each baluster is 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 95 (sold separately).

Product Dimensions

Handrails:	Height	Profile Width	Bottom Width	Plow Width	
LJ-6010	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A	
LJ-6010P	2 3/4" (60 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)	
LJ-6109	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	N/A	
LJ-6109PO	2 1/4" (73 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	1 1/4" (32 mm)	
LJ-6601	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	N/A	
LJ-6601P	2 1/4" (57 mm)	2 1/4" (57 mm)	1 1/2" (38 mm)	1 1/4" (32 mm)	
LJ-6A10	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	N/A	
LJ-6A10PO	2 3/4" (60 mm)	2" (51 mm)	2 1/4" (64 mm)	1 1/4" (32 mm)	
LJ-6B10	2 3/4" (69 mm)	2" (51 mm)	2 3/4" (60 mm)	N/A	
LJ-6B10PO	2 3/4" (59 mm)	2" (51 mm)	2 3/4" (60 mm)	1 1/4" (32 mm)	
Shoerail and Fillet:	Height	Width	Plow Width		
LJ-6045	3/4" (19 mm)	2 1/2" (64 mm)	1 1/4" (32 mm)		
LJ-6050	3/8" (10 mm)	1 1/4" (32 mm)	N/A		
Balusters:	Top Block	Turning Length	Bottom Block	Square Size	Overall Length
LJ-5015ND-31†	N/A	22 3/4" (575 mm)	8 3/4" (213 mm)	1 1/4" (32 mm)	31" (787 mm)
LJ-5015-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5015-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5015-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5035-34	N/A	28" (711 mm)	6" (152 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5035-38	N/A	28" (711 mm)	10" (254 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5035-42	N/A	28" (711 mm)	14" (356 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5040-34	N/A	34" (864 mm)	N/A	1 1/8" Diam. (29 mm)	34" (864 mm)
LJ-5040-38	N/A	38" (965 mm)	N/A	1 1/8" Diam. (29 mm)	38" (965 mm)
LJ-5040-42	N/A	42" (1067 mm)	N/A	1 1/8" Diam. (29 mm)	42" (1067 mm)
LJ-5067-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5067-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5067-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)
LJ-5141ND-31†	5 1/4" (133 mm)	16 3/4" (425 mm)	9" (229 mm)	1 1/4" (32 mm)	31" (787 mm)
LJ-5141-34	7" (178 mm)	20" (508 mm)	7" (178 mm)	1 1/4" (32 mm)	34" (864 mm)
LJ-5141-38	7" (178 mm)	20" (508 mm)	11" (279 mm)	1 1/4" (32 mm)	38" (965 mm)
LJ-5141-42	7" (178 mm)	20" (508 mm)	15" (381 mm)	1 1/4" (32 mm)	42" (1067 mm)
Newel Posts:	Turning Length	Bottom Block	Square Size	Overall Length	
Starting Newels					
LJ-4050	27" (686 mm)	15" (381 mm) turned bottom	2 1/4" (57 mm)	43" (1092 mm)	
LJ-4060	27" (686 mm)	15" (381 mm) turned bottom	2 3/4" (70 mm)	43" (1092 mm)	
Utility Newels					
LJ-4010	27" (686 mm)	15" (381 mm)	3" (76 mm)	43" (1092 mm)	
LJ-4014	27" (686 mm)	22" (559 mm)	3" (76 mm)	50" (1270 mm)	
Intermediate Landing Newels					
LJ-4015	27" (686 mm)	30" (762 mm)	3" (76 mm)	58" (1473 mm)	
LJ-4017	27" (686 mm)	37" (940 mm)	3" (76 mm)	65" (1651 mm)	
LJ-4018	27" (686 mm)	45" (1143 mm)	3" (76 mm)	73" (1854 mm)	
Rake Newel					
LJ-4013PT	27" (686 mm)	16" (406 mm)	3" (76 mm)	43" (1092 mm)	

* Length is from the top of the bottom block to the top of the baluster † Diameter dimension
 ‡ 31" Balusters are for kneewall stairways. They are NOT predrilled and they do NOT include the Pin E-Z.



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

Round Iron Balusters 1/2" SOLID

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 Line Finishes



Satin Black (SB)



Matte Black (MB)



Silver Vein (SV)



Antique Bronze (ABZ)



Oil Rubbed Copper (ORC)



Oil Rubbed Bronze (ORB)

NOTE: Finishes may vary



LI-60044



LI-61144



LI-61244

Item Number	Satin Black (SB)	Matte Black (MB)
LI-60044	✓	✓
LI-61144	✓	✓
LI-61244	✓	✓
LI-R08F	✓	✓
LI-R09P	✓	✓

Item Number	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-60044	✓	✓
LI-61144	✓	✓
LI-61244	✓	✓
LI-R08F	✓	✓
LI-R09P	✓	✓

NOTE: Finishes may vary.

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

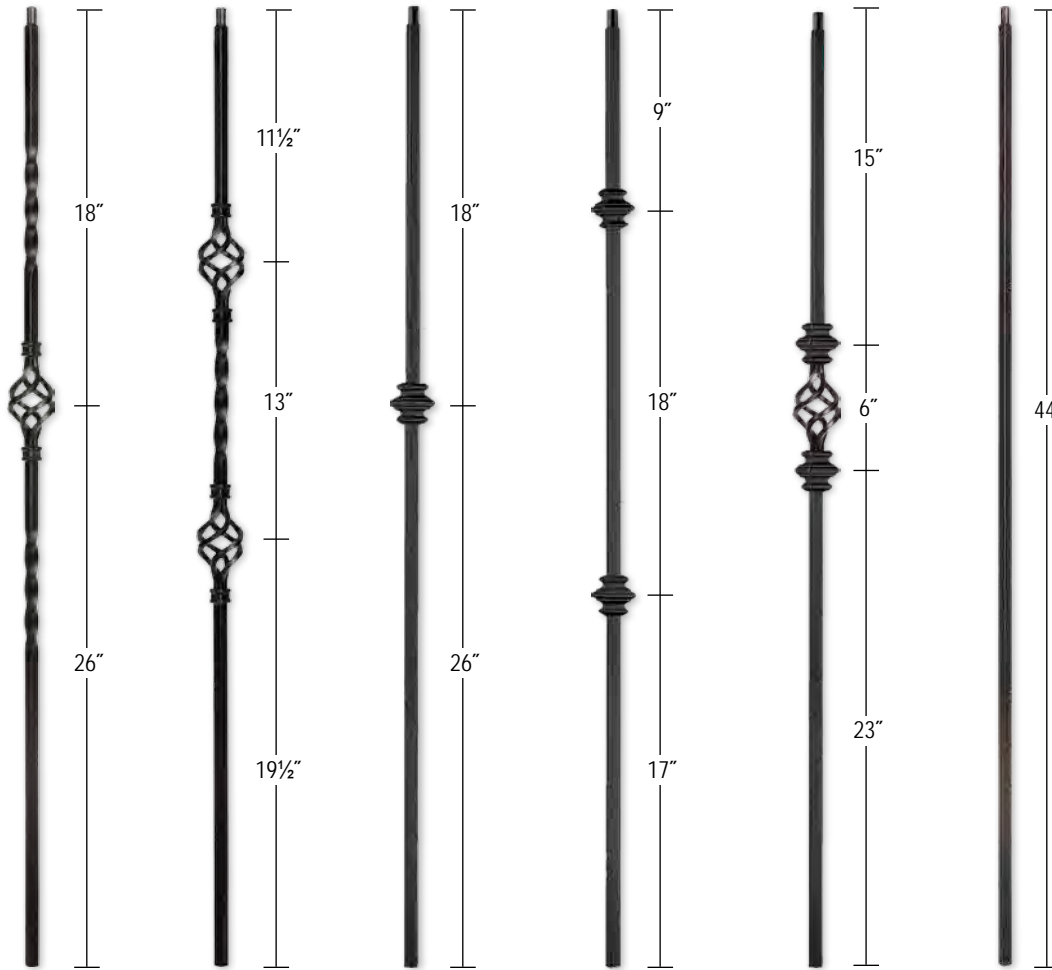


LI-R08F
No Set Screw
Iron



LI-R09P
With Set Screw
Iron

1/2" SOLID Square Iron Balusters



LI-1BASK44 LI-2BASK44 LI-1KNUC44 LI-2KNUC44 LI-2KNUC1BASK44 LI-PLA44

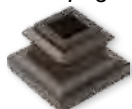
LI-ALAK04 Aluminum

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-1BASK44	✓	✓	✓	✓	✓	✓
LI-2BASK44	✓	✓	✓	✓	✓	✓
LI-1KNUC44	✓	✓	✓	✓	✓	✓
LI-2KNUC44	✓	✓	✓	✓	✓	✓
LI-2KNUC1BASK44	✓	✓	✓	✓	✓	✓
LI-PLA44	✓	✓	✓	✓	✓	✓
LI-AK01	✓	✓	✓	✓	✓	✓
LI-ALAK01	✓	✓	✓	✓	✓	✓
LI-ALAK02	✓	✓	✓	✓	✓	✓
LI-ALAK03	✓	✓	✓	✓	✓	✓
LI-ALAK04	✓	✓	✓	✓	✓	✓
LI-ALAK05	✓	✓	✓	✓	✓	✓
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓

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



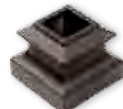
LI-FSH01 No Set Screw Iron



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

Square Iron Balusters 1/2" SOLID



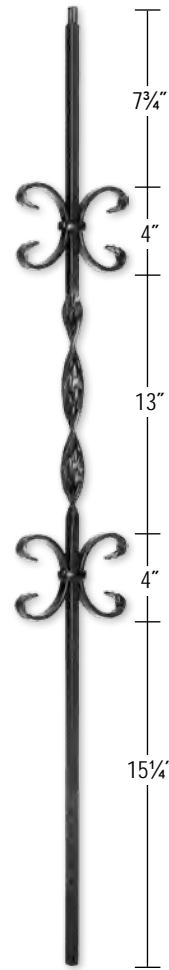
LI-1RIB44



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-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022	✓	✓				
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓
LI-PROCOL	✓	✓	✓	✓	✓	✓
LI-PROLVL	✓					
LI-PROKNE	✓					

See page 64 for finish samples. NOTE: Finishes may vary.

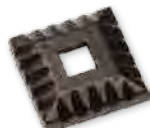
All shoes shown below are compatible with the 1/2" SQUARE balusters on these two pages
 LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" Square iron balusters.



LI-ALSCR05
Screw Down
Aluminum



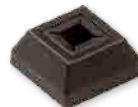
LI-M020
No Set Screw
Iron



LI-M022
No Set Screw
Iron



LI-ALRD201
No Set Screw
Aluminum



LI-ALSQ301
No Set Screw
Aluminum



LI-PROCOL
With Threaded Disc
Aluminum



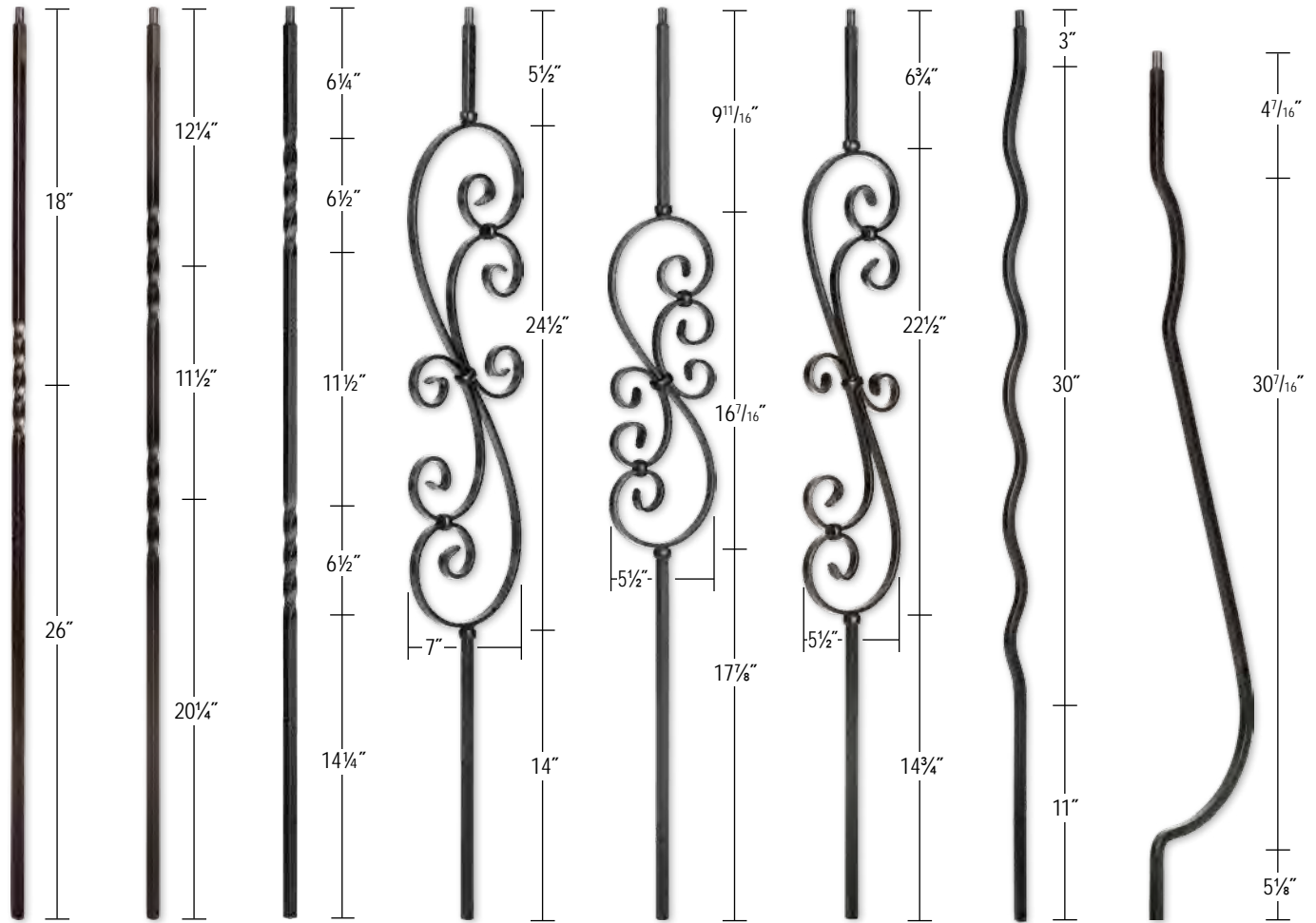
LI-PROLVL
Alum/Iron



LI-PROKNE
Alum/Iron

See pages 81-82 for details on IronPro

1/2" SOLID Square Iron Balusters



LI-1TW44 LI-2TW44 LI-DBL44 LI-30144 LI-50144 LI-60144 LI-WAVE44 LI-PLA40BLY

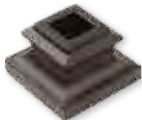
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-1TW44	✓	✓	✓	✓	✓	✓
LI-2TW44	✓	✓	✓	✓	✓	✓
LI-DBL44	✓	✓	✓	✓	✓	✓
LI-30144	✓	✓	✓	✓	✓	✓
LI-50144	✓	✓	✓	✓	✓	✓
LI-60144	✓	✓	✓	✓	✓	✓
LI-WAVE44	✓	✓				
LI-PLA40BLY	✓	✓				
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓

See page 64 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

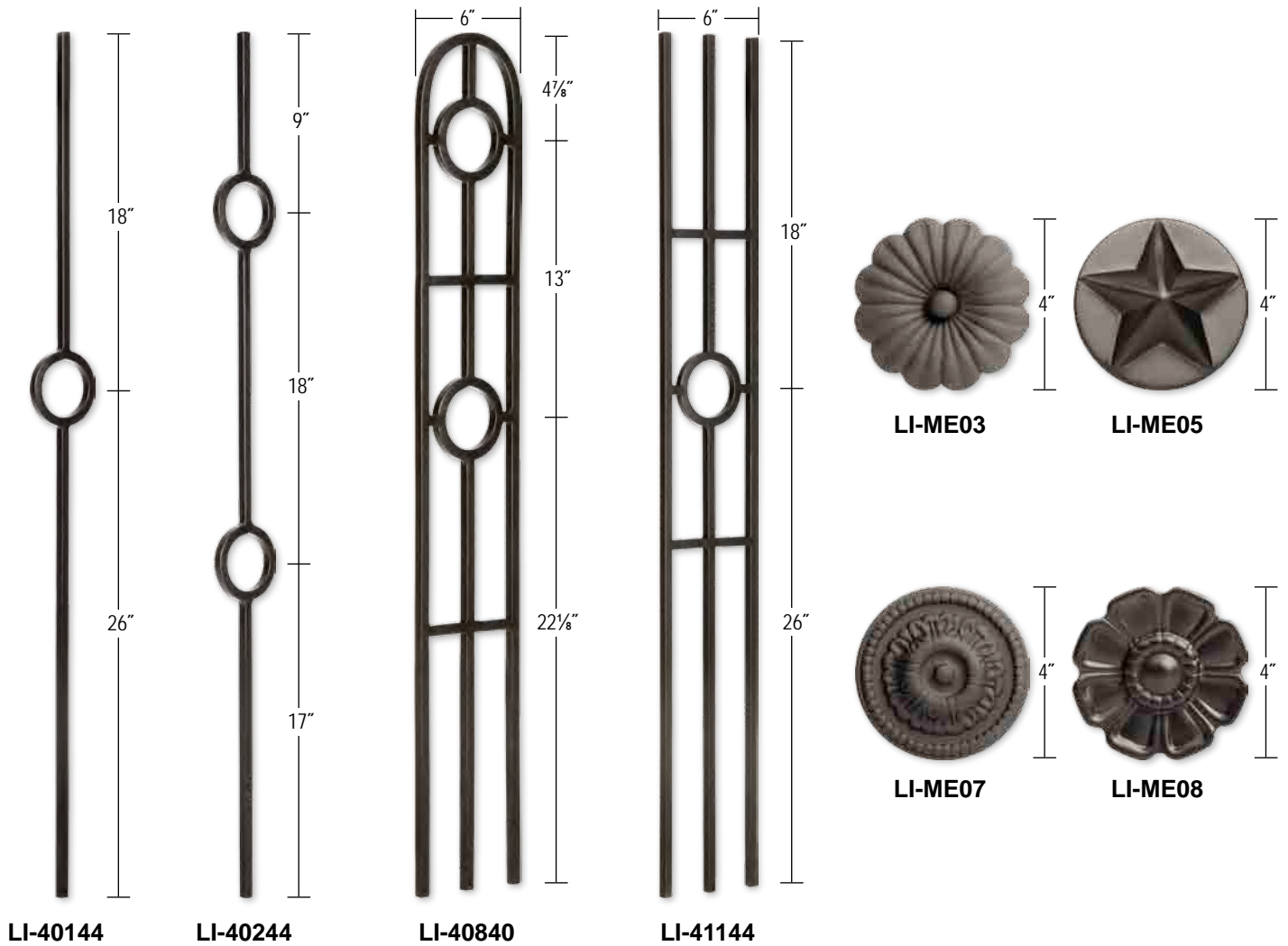


LI-ALPSH02
With Set Screw
Aluminum



LI-SCR04
Screw Down
Iron

Square Iron Balusters 1/2" SOLID



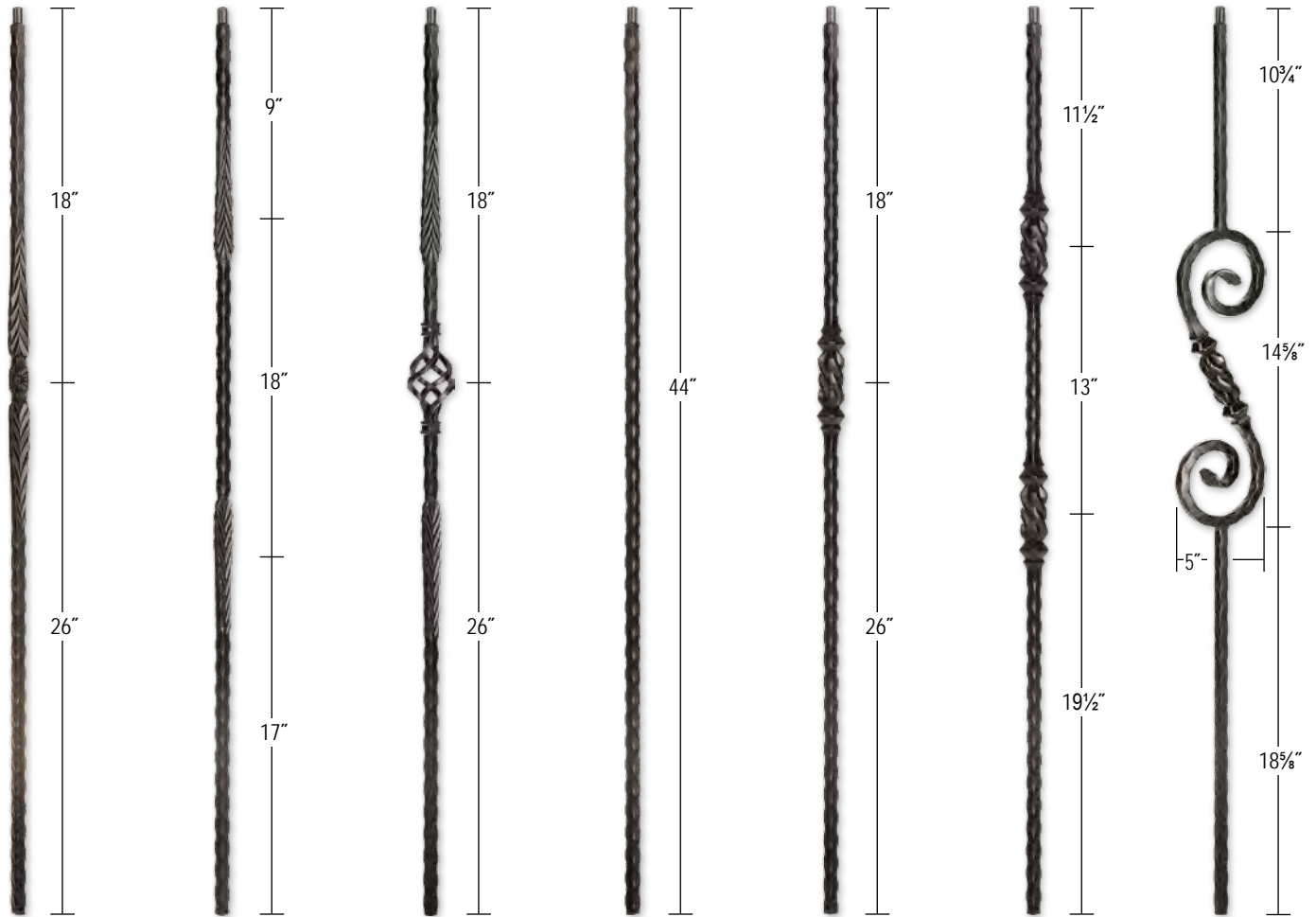
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-40144	✓					
LI-40244	✓					
LI-40840	✓					
LI-41144	✓					
LI-ME03	✓					
LI-ME05	✓					
LI-ME07	✓					
LI-ME08	✓					
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022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

See page 64 for finish samples. NOTE: Finishes may vary.

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



9/16" SOLID Square Iron Balusters



LI-10044
Hammered Edge

LI-11044
Hammered Edge

LI-13044
Hammered Edge

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-10044	✓	✓			✓	✓
LI-11044	✓	✓			✓	✓
LI-13044	✓	✓			✓	✓
LI-9044	✓	✓	✓	✓	✓	✓
LI-13144	✓	✓			✓	✓
LI-13244	✓	✓			✓	✓
LI-33044	✓	✓			✓	✓
LI-H03	✓	✓	✓	✓	✓	✓
LI-H04	✓	✓	✓	✓	✓	✓
LI-H05P	✓	✓	✓	✓	✓	✓
LI-ALH05P	✓	✓	✓	✓	✓	✓

See page 64 for finish samples. NOTE: Finishes may vary.

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



LI-H03
No Set Screw
Iron



LI-H04
Screw Down
Iron

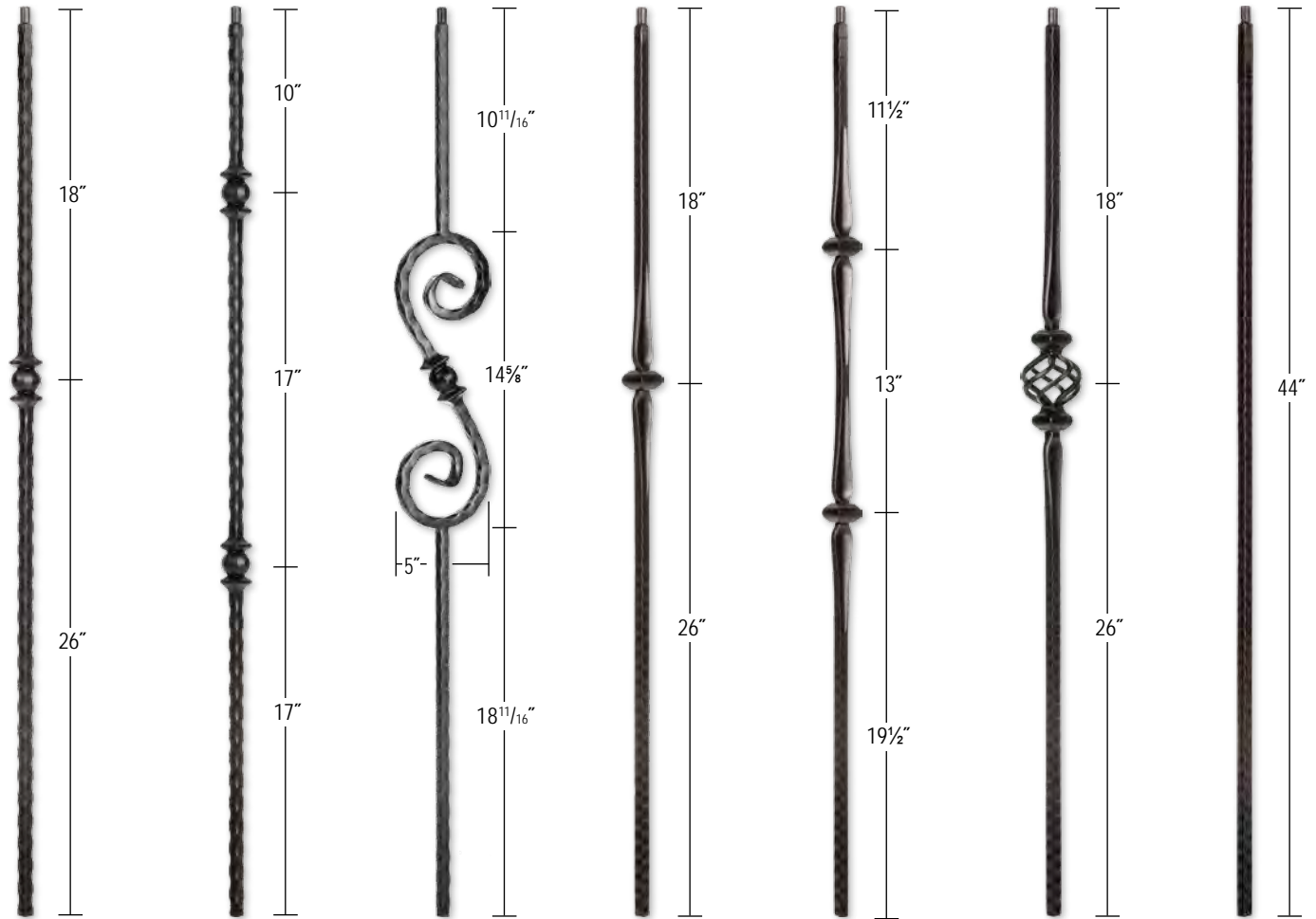


LI-H05P
With Set Screw
Iron



LI-ALH05P
With Set Screw
Aluminum

Square Iron Balusters 9/16" SOLID



LI-30544
Hammered Edge

LI-30844
Hammered Edge

LI-31044
Hammered Edge

LI-14044
Hammered Face

LI-15044
Hammered Face

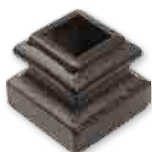
LI-16044
Hammered Face

LI-14344
Hammered Face

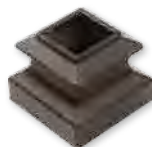
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-30544	✓	✓	✓	✓	✓	✓
LI-30844	✓	✓	✓	✓	✓	✓
LI-31044	✓	✓	✓	✓	✓	✓
LI-14044	✓	✓	✓	✓	✓	✓
LI-15044	✓	✓	✓	✓	✓	✓
LI-16044	✓	✓	✓	✓	✓	✓
LI-14344	✓	✓	✓	✓	✓	✓
LI-H06	✓	✓	✓	✓	✓	✓
LI-ALH06	✓	✓	✓	✓	✓	✓
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓

See page 64 for finish samples. NOTE: Finishes may vary.

Shoes shown below are compatible with the 9/16" 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.



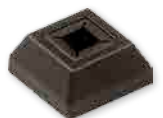
LI-H06
With Set Screw
Iron



LI-ALH06
With Set Screw
Aluminum

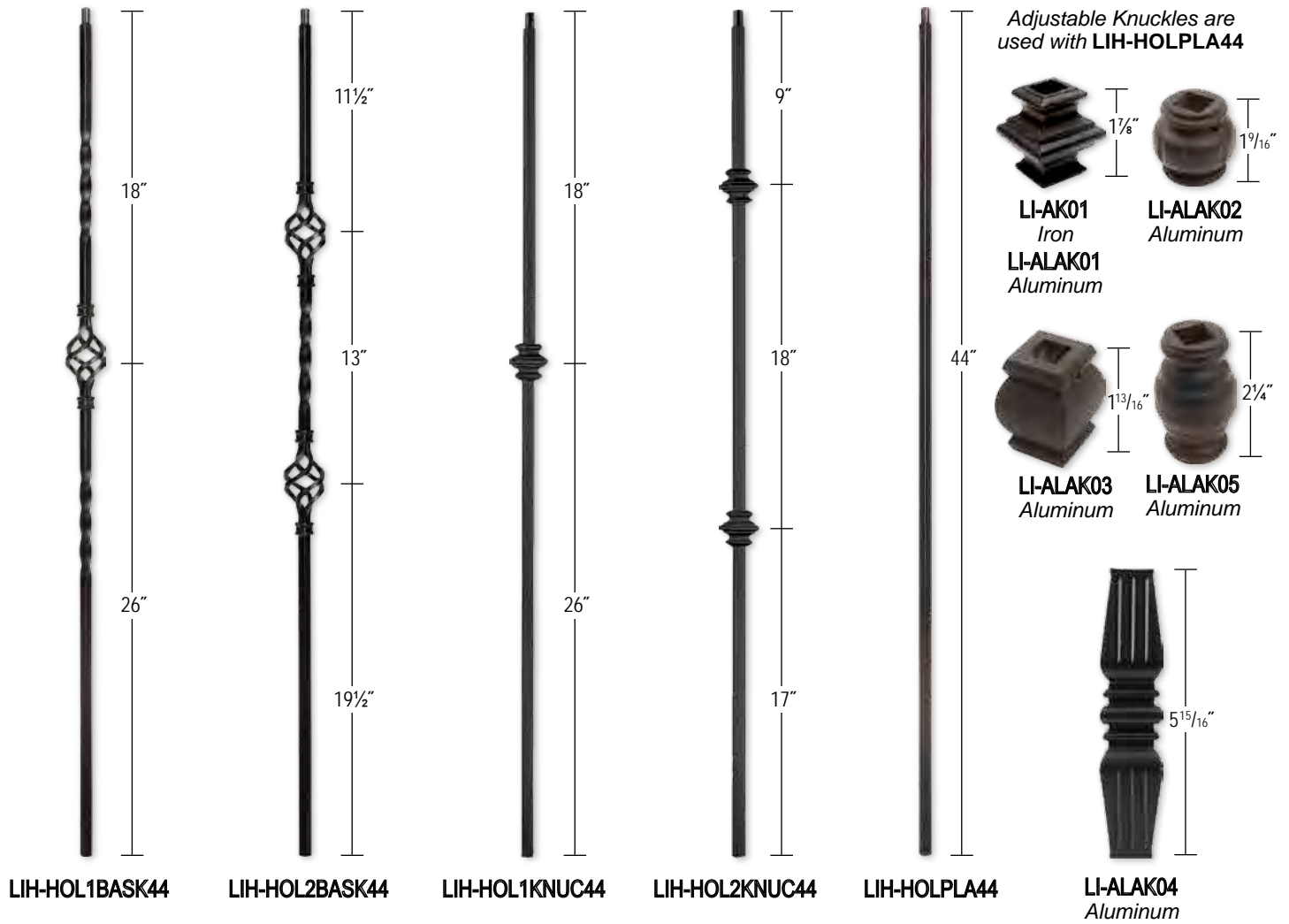


LI-ALRD201
No Set Screw
Aluminum



LI-ALSQ301
No Set Screw
Aluminum

1/2" HOLLOW Square Iron Balusters



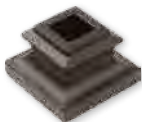
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-HOL1BASK44	✓	✓	✓	✓	✓	✓
LIH-HOL2BASK44	✓	✓	✓	✓	✓	✓
LIH-HOL1KNUC44	✓	✓	✓	✓	✓	✓
LIH-HOL2KNUC44	✓	✓	✓	✓	✓	✓
LIH-HOLPLA44	✓	✓	✓	✓	✓	✓
LI-AK01	✓	✓	✓	✓	✓	✓
LI-ALAK01	✓	✓	✓	✓	✓	✓
LI-ALAK02	✓	✓	✓	✓	✓	✓
LI-ALAK03	✓	✓	✓	✓	✓	✓
LI-ALAK04	✓	✓	✓	✓	✓	✓
LI-ALAK05	✓	✓	✓	✓	✓	✓
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓

See page 64 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

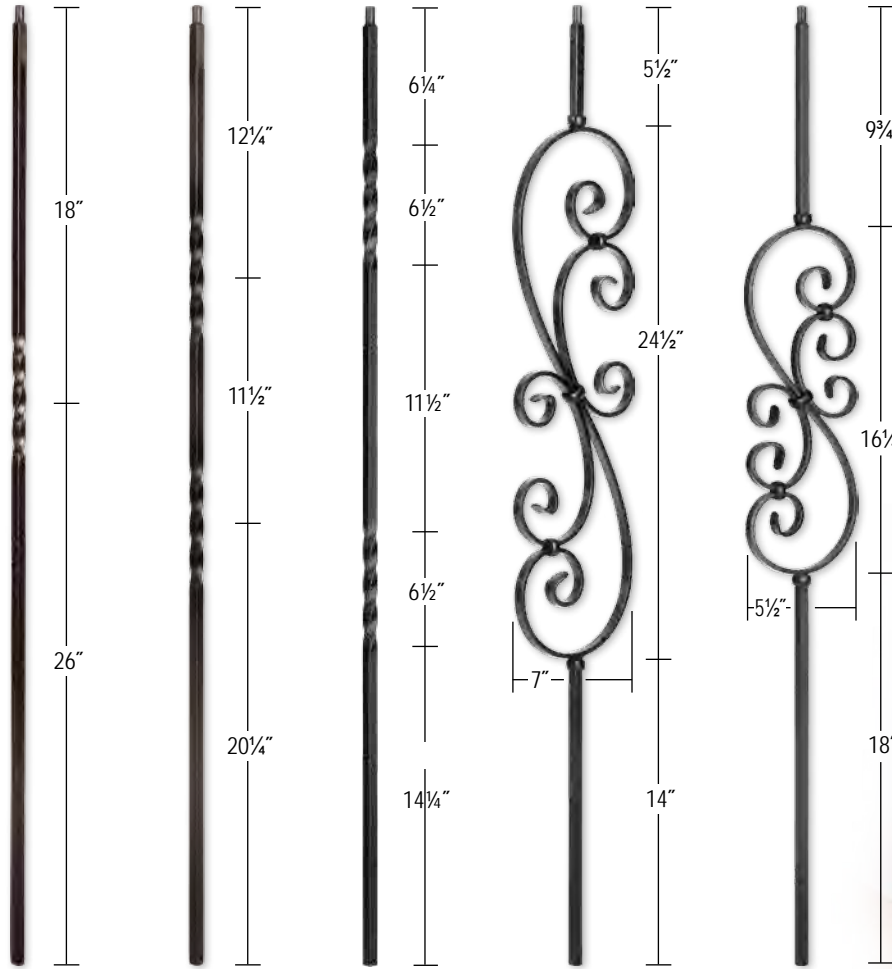


LI-ALPSH02
With Set Screw
Aluminum



LI-SCR04
Screw Down
Iron

Square Iron Balusters 1/2" HOLLOW



Pictured: LIH-HOLPLA44 Iron Balusters with LI-ALAK01 Adjustable Knuckles, LJ-4050 Newel Post, LJ-6010 Handrail and LJ-7035 Right Hand Volute.



LIH-HOL1TW44 LIH-HOL2TW44 LIH-HOLDBLTW44 LIH-HOL30144 LIH-HOL50144

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-HOL1TW44	✓	✓	✓	✓	✓	✓
LIH-HOL2TW44	✓	✓	✓	✓	✓	✓
LIH-HOLDBLTW44	✓	✓	✓	✓	✓	✓
LIH-HOL30144	✓	✓			✓	✓
LIH-HOL50144	✓	✓			✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022	✓	✓				
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓
LI-PROCOL	✓	✓	✓	✓	✓	✓
LI-PROLVL	✓					
LI-PROKNE	✓					

See page 64 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



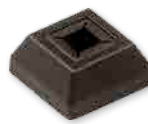
LI-M020
No Set Screw
Iron



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

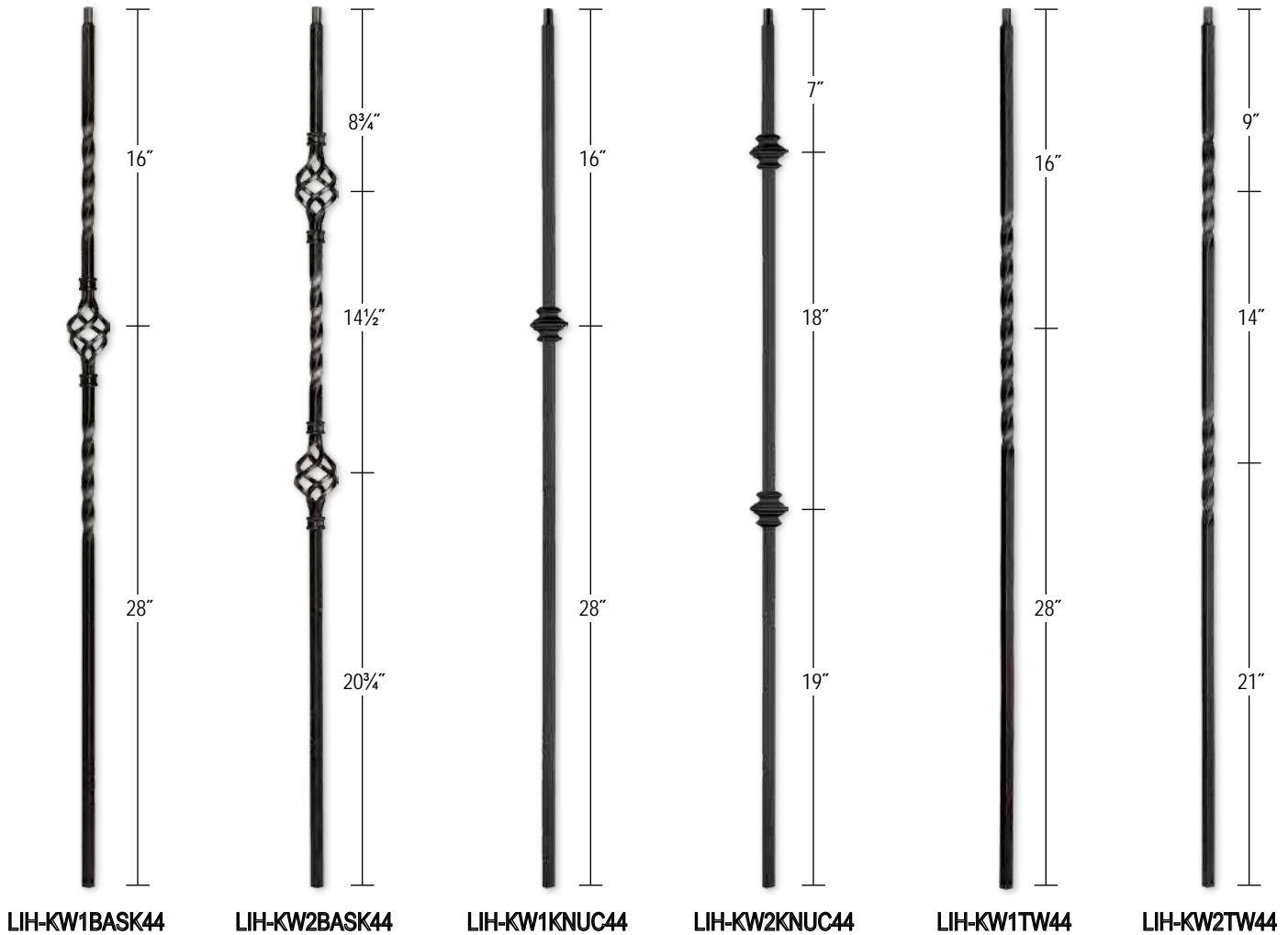


LI-PROKNE
Alum/Iron

See pages 81-82 for details on IronPro

1/2" HOLLOW Square Kneewall Balusters

The balusters shown on these two pages 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-KW1KNUC44

LIH-KW2KNUC44

LIH-KW1TW44

LIH-KW2TW44

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-KW1BASK44	✓	✓			✓	
LIH-KW2BASK44	✓	✓			✓	
LIH-KW1KNUC44	✓	✓			✓	
LIH-KW2KNUC44	✓	✓			✓	
LIH-KW1TW44	✓	✓			✓	
LIH-KW2TW44	✓	✓			✓	
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-PROKNE	✓					

See page 64 for finish samples. NOTE: Finishes may vary.

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



LI-PSH02
With Set Screw
Iron



LI-ALPSH02
With Set Screw
Aluminum



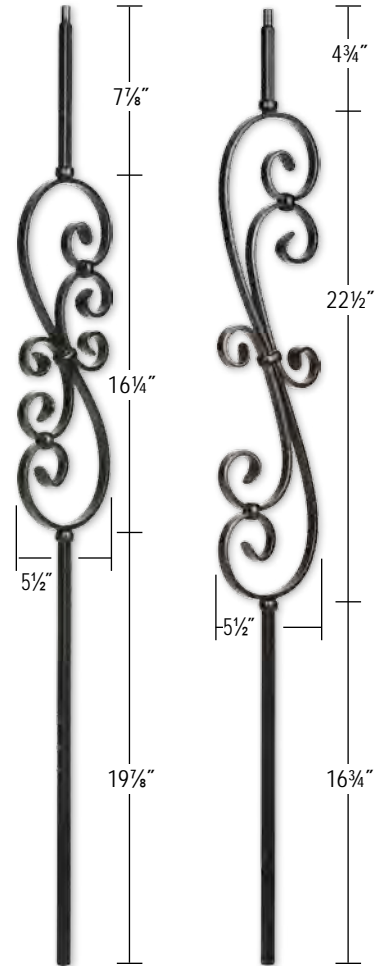
LI-PROKNE
Alum/Iron

See pages 81-82 for details on IronPro

Square Kneewall Balusters 1/2" HOLLOW



Pictured: LIH-KW2BASK44 Double Basket Iron Balusters, LIH-KW1TW44 Single Twist Iron Balusters, LI-PROKNE IronPro Kneewall Kits, LJ-4500 Newel Posts, and LJ-6210 Handrail.



LIH-KW50144

LIH-KW60144

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	✓	✓			✓	
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-PROKNE	✓					

See page 64 for finish samples. NOTE: Finishes may vary.

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



LI-PSH02
With Set Screw
Iron



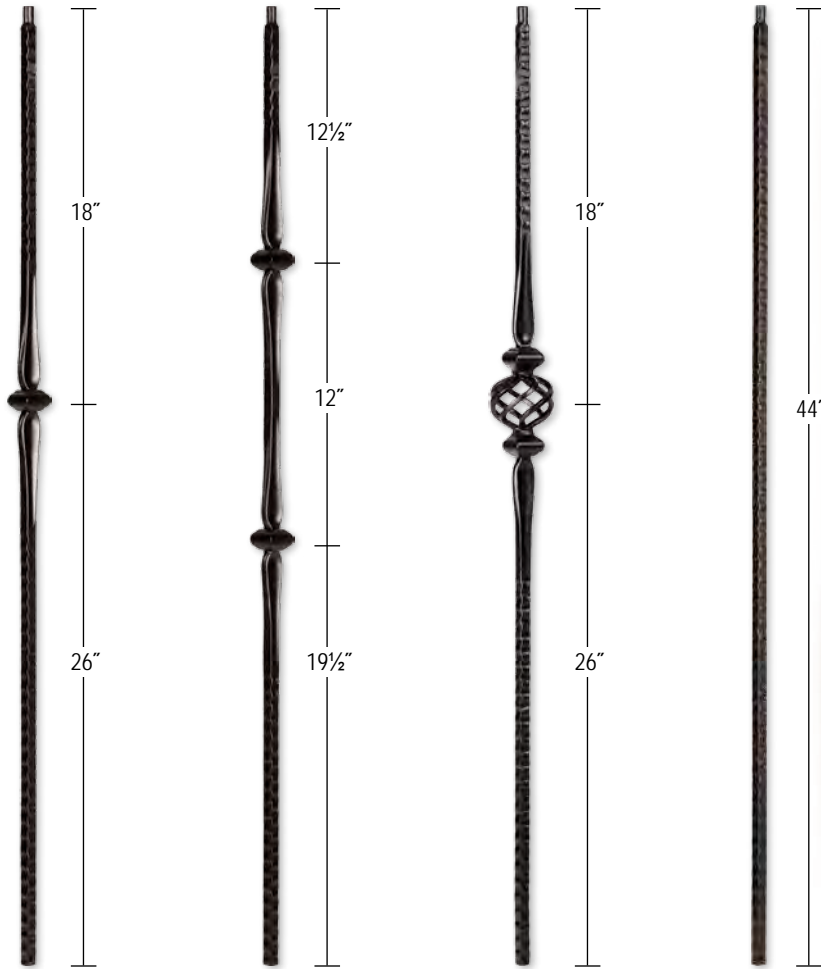
LI-ALPSH02
With Set Screw
Aluminum



LI-PROKNE
Alum/Iron

See pages 81-82 for details on IronPro

9/16" HOLLOW Square Iron Balusters



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

LIH-HOL14044
Hammered Face

LIH-HOL15044
Hammered Face

LIH-HOL16044
Hammered Face

LIH-HOL14344
Hammered Face

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LIH-HOL14044	✓	✓	✓	✓	✓	✓
LIH-HOL14344	✓	✓	✓	✓	✓	✓
LIH-HOL15044	✓	✓	✓	✓	✓	✓
LIH-HOL16044	✓	✓	✓	✓	✓	✓
LI-H03	✓	✓	✓	✓	✓	✓
LI-H04	✓	✓	✓	✓	✓	✓
LI-H05P	✓	✓	✓	✓	✓	✓
LI-ALH05P	✓	✓	✓	✓	✓	✓
LI-H06	✓	✓	✓	✓	✓	✓
LI-ALH06	✓	✓	✓	✓	✓	✓
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓

See page 64 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



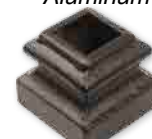
LI-H05P
With Set Screw
Iron



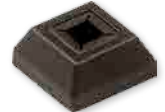
LI-ALH05P
With Set Screw
Aluminum



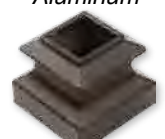
LI-ALRD201
No Set Screw
Aluminum



LI-H06
With Set Screw
Iron



LI-ALSQ301
No Set Screw
Aluminum

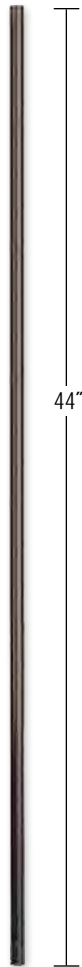


LI-ALH06
With Set Screw
Aluminum

Round Iron Balusters 5/8" HOLLOW



LIH-HOL65044



LIH-HOL65144



LIH-HOL65244



LIH-HOL65344

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

See page 64 for finish samples. NOTE: Finishes may vary.

Shoe shown below is compatible with the 5/8" ROUND balusters shown on this page.



LI-R010
No Set Screw
Iron

3/4" HOLLOW Square Iron Balusters

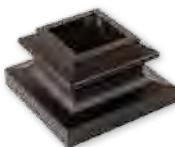


LIH-MG1BASK44 LIH-MG2BASK44 LIH-MG1KNUC44 LIH-MG2KNUC44 LIH-MG1TW44 LIH-MG2TW44 LIH-MG50144 LIH-MGPLA44

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 64 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

Square Iron NEWELS



LI-NWL14048

LI-NWLBASK48

LI-NWLRIB48

LI-NWLWTW48



LI-NWLFSH
Newel Collar and
Mounting Kit

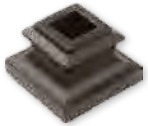
Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-NWL14048	✓	✓	✓	✓	✓	✓
LI-NWLBASK48	✓	✓	✓	✓	✓	✓
LI-NWLRIB48	✓	✓	✓	✓	✓	✓
LI-NWLWTW48	✓	✓	✓	✓	✓	✓
LI-NWLFSH	✓	✓	✓	✓	✓	✓

See page 64 for finish samples. NOTE: Finishes may vary.

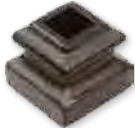
SHOES For Iron Balusters

1/2" Shoes

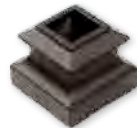
For use with 1/2" SQUARE Solid or Hollow balusters.



LI-ALFSH01
No Set Screw
Aluminum



LI-M06
With Set Screw
Iron



LI-ALM06
With Set Screw
Aluminum



LI-FSH01
No Set Screw
Iron

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-FSH01	✓	✓	✓	✓	✓	✓
LI-ALFSH01	✓	✓	✓	✓	✓	✓
LI-M06	✓	✓	✓	✓	✓	✓
LI-ALM06	✓	✓	✓	✓	✓	✓
LI-PSH02	✓	✓	✓	✓	✓	✓
LI-ALPSH02	✓	✓	✓	✓	✓	✓
LI-SCR04	✓	✓	✓	✓	✓	✓
LI-ALSCR05	✓	✓	✓	✓	✓	✓
LI-M020	✓	✓				
LI-M022	✓	✓				
LI-ALRD201	✓	✓	✓	✓	✓	✓
LI-ALSQ301	✓	✓	✓	✓	✓	✓
LI-PROCOL	✓	✓	✓	✓	✓	✓
LI-PROLVL	✓					
LI-PROKNE	✓					

See page 64 for finish samples. NOTE: Finishes may vary.



LI-PSH02
With Set Screw
Iron



LI-ALPSH02
With Set Screw
Aluminum



LI-SCR04
Screw Down
Iron



LI-ALSCR05
Screw Down
Aluminum



LI-PROLVL
Alum/Iron



LI-PROKNE
Alum/Iron

See pages 81-82 for details on IronPro

LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" square iron balusters.



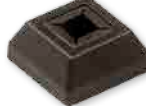
LI-M020
No Set Screw
Iron



LI-M022
No Set Screw
Iron



LI-ALRD201
No Set Screw
Aluminum



LI-ALSQ301
No Set Screw
Aluminum



LI-PROCOL
With Threaded Insert
Aluminum

For use with 1/2" ROUND balusters.



LI-R08F
No Set Screw
Iron



LI-R09P
With Set Screw
Iron

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

See page 64 for finish samples. NOTE: Finishes may vary.

5/8" Shoe

For use with 5/8" ROUND balusters.



LI-R010
No Set Screw
Iron

Item Number	Satin Black (SB)	Matte Black (MB)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-R010	✓	✓	✓	✓

See page 64 for finish samples. NOTE: Finishes may vary.

For Iron Balusters SHOES & KNUCKLES

9/16" Shoes

For use with 9/16" SQUARE Solid or Hollow balusters.



LI-H03
No Set Screw
Iron



LI-H04
Screw Down
Iron



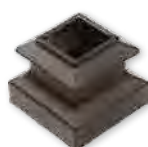
LI-H05P
With Set Screw
Iron



LI-ALH05P
With Set Screw
Aluminum



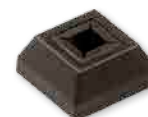
LI-H06
With Set Screw
Iron



LI-ALH06
With Set Screw
Aluminum



LI-ALRD201
No Set Screw
Aluminum



LI-ALSQ301
No Set Screw
Aluminum

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

See page 64 for finish samples. NOTE: Finishes may vary.

LI-ALRD201 & LI-ALSQ301 have a plastic insert and are compatible with 1/2" & 9/16" square iron balusters.

3/4" Shoes

For use with 3/4" SQUARE balusters.



LI-ALMGFSH08
No Set Screw
Aluminum



LI-ALMGM08
With Set Screw
Aluminum



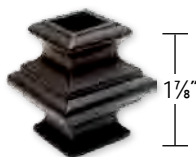
LI-ALMGPSH08
With Set Screw
Aluminum

Item Number	Satin Black (SB)	Matte Black (MB)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)
LI-ALMGFSH08	✓	✓	✓	✓
LI-ALMGM08	✓	✓	✓	✓
LI-ALMGPSH08	✓	✓	✓	✓

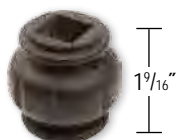
See page 64 for finish samples. NOTE: Finishes may vary.

1/2" Knuckles

For use with 1/2" SQUARE Solid LI-PLA44 or Hollow LIH-HOLPLA44 balusters.



LI-AK01
Iron
LI-ALAK01
Aluminum



LI-ALAK02
Aluminum



LI-ALAK03
Aluminum



LI-ALAK05
Aluminum



LI-ALAK04
Aluminum

Item Number	Satin Black (SB)	Matte Black (MB)	Silver Vein (SV)	Antique Bronze (ABZ)	Oil Rubbed Copper (ORC)	Oil Rubbed Bronze (ORB)
LI-AK01	✓	✓	✓	✓	✓	✓
LI-ALAK01	✓	✓	✓	✓	✓	✓
LI-ALAK02	✓	✓	✓	✓	✓	✓
LI-ALAK03	✓	✓	✓	✓	✓	✓
LI-ALAK04	✓	✓	✓	✓	✓	✓
LI-ALAK05	✓	✓	✓	✓	✓	✓

See page 64 for finish samples. NOTE: Finishes may vary.

SIMPLIFIED IRON INSTALLATION!

Introducing... *IronPro*™ Pat. Pending

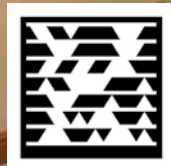
With the IronPro accessories, you can enjoy a beautiful iron balustrade and it installs in 1/3 of the time of a typical installation. IronPro is screwed

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™



View IronPro
Video



Get the free mobile app
for your phone
<http://gettag.mobi>

IronPro™ features:

- ✓ Full Flexibility
 - Adjusts to up to 45° angle of ascent
 - Open Tread and Kneewall Stairways
- ✓ Unsurpassed Durability
 - Balusters are screwed into place
- ✓ Simple Installation
 - No holes to drill for most applications
 - All cuts are concealed at each joint
- ✓ 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.



For New Construction or Stairway Remodeling

IronPro™ does not require high-skilled and expensive labor! You can install it yourself in less time than traditional iron balustrades.



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.



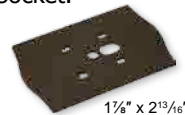
Level Sections (if applicable)

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.



STANDARD IRON INSTALLATION!

The steps below assume the handrail height is already determined and the handrail and treads are already predrilled to accept the iron balusters



Step 1: Mark and trim each baluster from the bottom.



Step 2: For rake balusters, drill a hole perpendicular through the top pin on every 6th baluster. For balcony balusters, drill the hole at an angle.



Step 3: Countersink the hole to accept the screw head.



Step 4: Apply construction adhesive in the predrilled holes in each tread. With a bottom base on each baluster, place all balusters in position on the treads. *Below left are alternate methods for securing iron balusters to the treads.

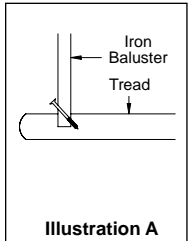


Illustration A

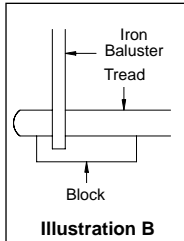


Illustration B

* For a more secure baluster installation, drill through the bottom of the balusters & secure the baluster to the tread using a flat head screw (see ill. A). A stronger method is to place a 1 1/4" block beneath the tread. Drill through the tread & partially through the block to accept the baluster (see ill. B). The latter method will change the takeoff by requiring the addition of about 2" to the normal required baluster length.



Step 5: Apply construction adhesive in the predrilled holes in the handrail. Position the handrail on top of the balusters. If top bases are being used, place one on each baluster before placing the handrail on top.



Step 6: Securely attach every 6th baluster to the handrail using a flat self-tapping screw. Smooth the screw head with emery paper, then spot putty for painting.



Step 7: Using an allen wrench secure each top base against the rail and each bottom base against the tread.

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.



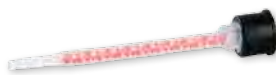
LI-3701

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



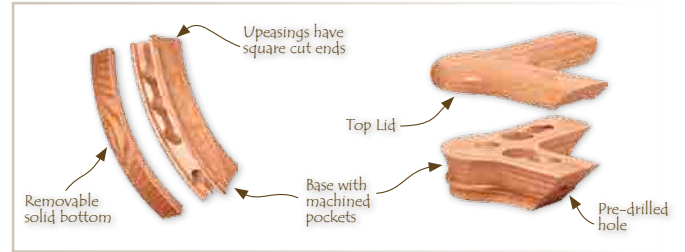
LI-3705

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.)

Handrail Fittings

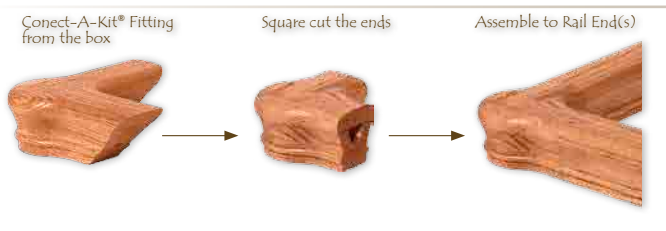
L.J. Smith offers an exclusive, patented line of handrail fittings called Conect-A-Kit®. These unique fittings provide tremendous flexibility in the number of installation applications obtainable with each fitting. For example, aside from their traditional applications, seven of these fittings, used in combination, will make up 26 different landing fitting assemblies (goose-neck fittings). Below are illustrations of how Conect-A-Kit® fittings are used for Traditional Stairway Applications, and how they are used to build Landing Fitting Assemblies. Patent No. 5,261,201

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.

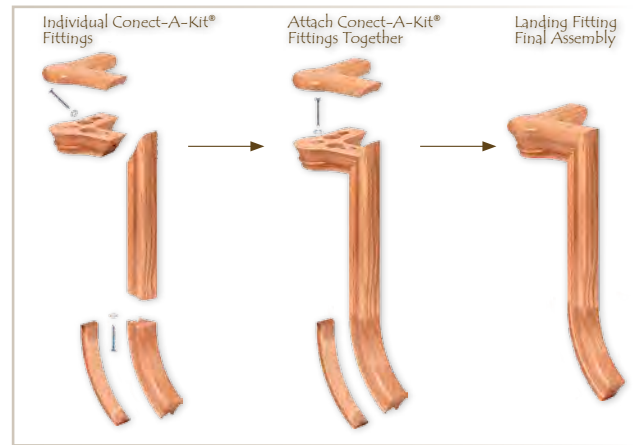
Conect-A-Kit® Fittings for Traditional Stairway Applications



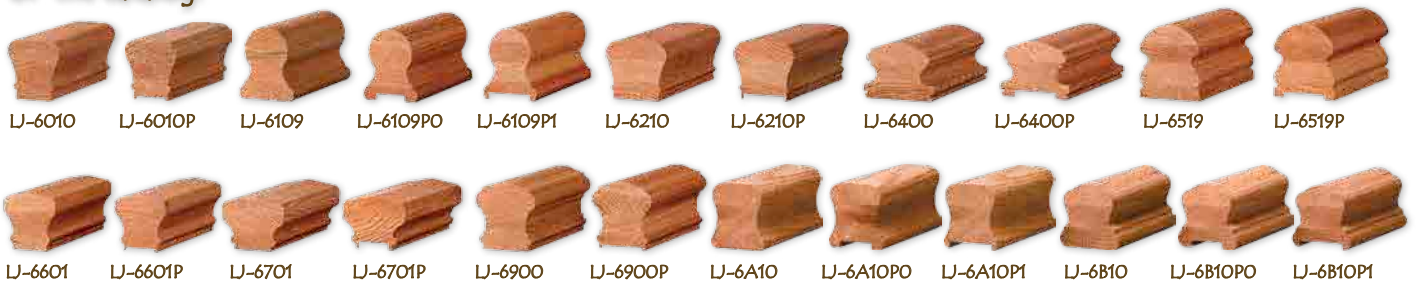
Conect-A-Kit® fittings provide several advantages:

- 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



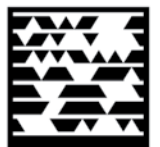
Conect-A-Kit® fittings are available in the handrail profiles shown below. When the handrail chosen is plowed, designate a plowed fitting with a "P" suffix. Fillet is included with each plowed fitting. Note: some fittings are not available plowed...refer to the item numbers listed below each fitting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



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



How to Install Conect-A-Kit® Fittings



Get the free mobile app for your phone
<http://gettag.mobi>

Handrail Fittings

Our Conect-A-Kit® Starting Easings with Cap, Standard Volutes and Turnouts are packaged as two pieces unassembled. A template is included with each Volute and Turnout. A (P) following the item number indicates that fitting is available plowed—add the "P" suffix when the chosen handrail is plowed. All photos are the LJ-6010 profile.



Starting Easing with Cap*

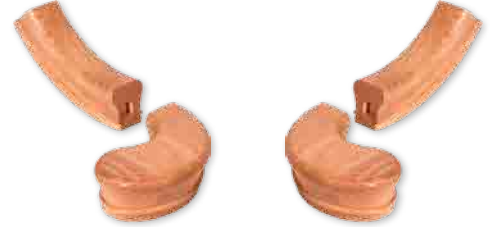
- LJ-7010 (P) ... (use with LJ-6010)
- LJ-7110 (P) ... (use with LJ-6109)
- LJ-7210 (P) ... (use with LJ-6210)
- LJ-7410 (P) ... (use with LJ-6400)
- LJ-7510 (P) ... (use with LJ-6519)
- LJ-7610 (P) ... (use with LJ-6601)
- LJ-7710 (P) ... (use with LJ-6701)
- LJ-7910 (P) ... (use with LJ-6900)
- LJ-7A10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



Left Hand 3' Turnout*

Right Hand 3' 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)



Left Hand 5' Turnout*

Right Hand 5' 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)



Left Hand Standard Volute*


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)



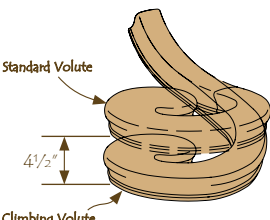
Climbing volutes install in the traditional manner

Left Hand Climbing Volute



Right Hand Climbing Volute

LJ-7031	(use with LJ-6010)	LJ-7036
LJ-7131	(use with LJ-6109)	LJ-7136
LJ-7231	(use with LJ-6210)	LJ-7236
LJ-7431	(use with LJ-6400)	LJ-7436
LJ-7531	(use with LJ-6519)	LJ-7536
LJ-7631	(use with LJ-6601)	LJ-7636
LJ-7731	(use with LJ-6701)	LJ-7736
LJ-7931	(use with LJ-6900)	LJ-7936
LJ-7A31	(use with LJ-6A10)	LJ-7A36
LJ-7B31	(use with LJ-6B10)	LJ-7B36




Standard Volute

4 1/2"

Climbing Volute

When using a Climbing Volute, the newel height at the volute will be approximately 4 1/2" 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.





This fitting installs in the traditional manner

Vertical Volute

- LJ-7038
- LJ-7138
- LJ-7238
- LJ-7438
- LJ-7538
- LJ-7638
- LJ-7738
- LJ-7938
- LJ-7A38
- LJ-7B38

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

Handrail Fittings

The handrail fittings below are used for Traditional 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. A (P) following the item number indicates that fitting is available plowed—add the "P" suffix when the chosen handrail is plowed. All photos are the LJ-6010 profile.



Returned End

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



Level Quarterturn 90°

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



Level Quarterturn 135°

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



Upeasing 60°

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



Upeasing 90°

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



This fitting installs in the traditional manner

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)



Starting Easing

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



Starting Over Easing

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



Tandem Cap

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



Quarterturn with Cap 90°

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



Quarterturn with Cap 135°

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



This fitting installs in the traditional manner

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.



Opening Cap

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



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)

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



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

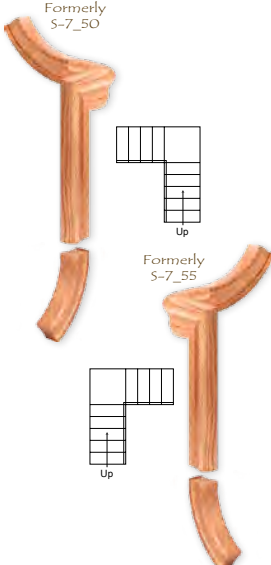
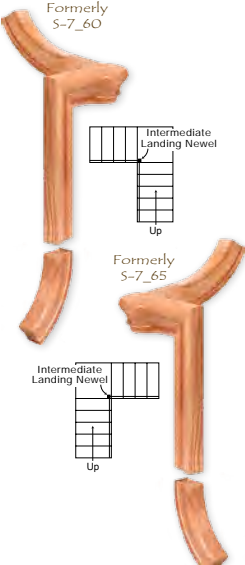
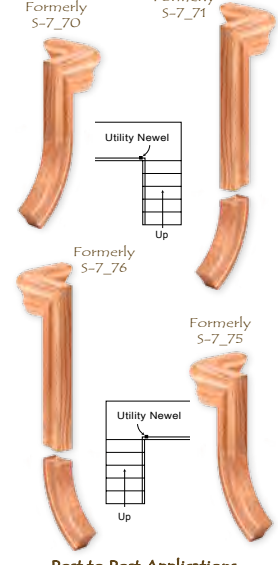
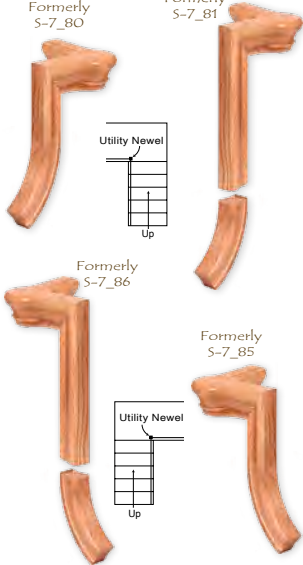









Right Hand "S" Shaped Fitting

Our "S" Shaped fittings install in the traditional manner

Handrail Fittings

Landing Fitting Assemblies (goose-necks) are created from various combinations of the seven component fittings shown along the left edge of this page. Use the chart on these two pages to determine which fittings to order for the corresponding goose-necks shown across the top.

<p>How to use this chart — Each box to the right shows a group of goose-neck fittings. The rows below each group indicate which component fittings, and how many of each, are required to build any one of the corresponding goose-neck fittings in the group. After you've determined which component fittings are needed, refer to page 86 for the respective fitting part numbers to match your chosen handrail.</p>	<p>Formerly S-7_50</p>  <p>Formerly S-7_55</p>	<p>Formerly S-7_60</p>  <p>Formerly S-7_65</p>	<p>Formerly S-7_70</p>  <p>Formerly S-7_76</p> <p>Formerly S-7_75</p> <p>Post to Post Applications</p>	<p>Formerly S-7_80</p>  <p>Formerly S-7_86</p> <p>Formerly S-7_85</p>
 <p>Returned End LJ-7X09</p>				
 <p>Level Quarterturn 90° LJ-7X11</p>	1		1	
 <p>Upeasing 60° LJ-7X12</p>	2	2	1	1
 <p>Opening Cap LJ-7X19</p>				
 <p>Tandem Cap LJ-7X20</p>				
 <p>Quarterturn with Cap 90° LJ-7X21</p>		1		1
 <p>Rail Drop LJ-7XRD</p>	1	1	1	1

Handrail Fittings

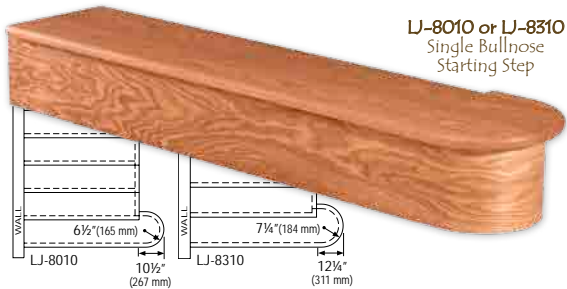
Although hard to believe, assembling and installing these fittings take substantially less time than installing traditionally manufactured goosenecks!

<p>Formerly S-7_90</p> <p>Formerly S-7_90-2</p>	<p>Formerly S-7_91</p> <p>Formerly S-7_91-2</p> <p>Utility Newel</p> <p>Up</p>	<p>Formerly S-7_88-2</p> <p>Formerly S-7_88</p> <p>Utility Newel</p> <p>Up</p>	<p>Formerly S-7_97</p> <p>Formerly S-7_96</p> <p>Utility Newel</p> <p>Up</p>	<p>Formerly S-7_99</p> <p>Formerly S-7_98</p> <p>Utility Newel</p> <p>Up</p> <p>Post to Post Applications</p>
				1
2	1			
1	1	1	1	1
			1	
		1		
	1			
1	1	1	1	1

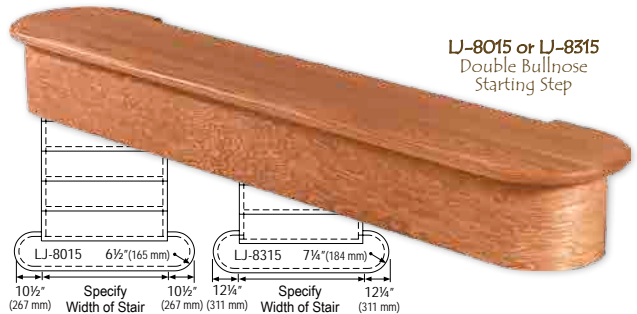
Starting Steps

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

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



LJ-8010 or LJ-8310
Single Bullnose Starting Step



LJ-8015 or LJ-8315
Double Bullnose Starting Step

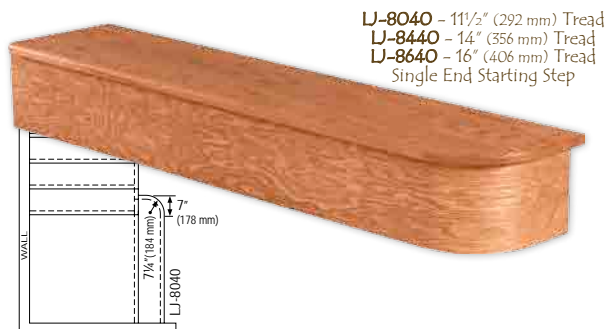
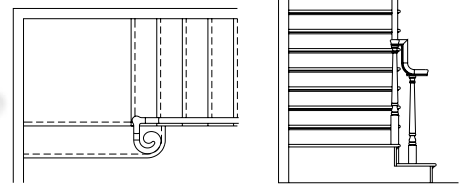


LJ-8210
Bowed Single Bullnose Starting Step
48" (1219 mm) & 60" (1524 mm) widths only

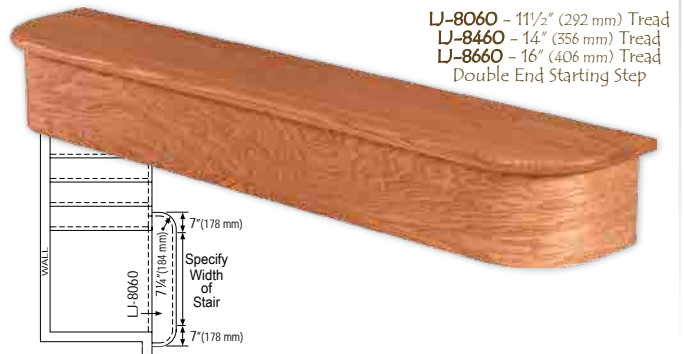


LJ-8215
Bowed Double Bullnose Starting Step
48" (1219 mm) width only

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



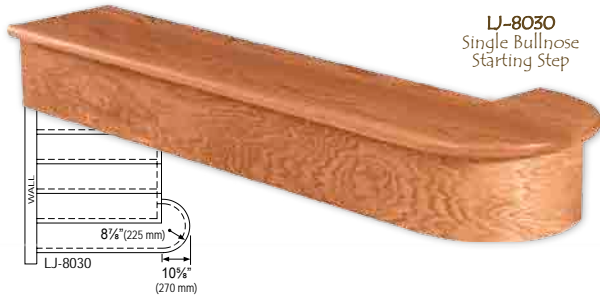
LJ-8040 - 11 1/2" (292 mm) Tread
LJ-8440 - 14" (356 mm) Tread
LJ-8640 - 16" (406 mm) Tread
Single End Starting Step



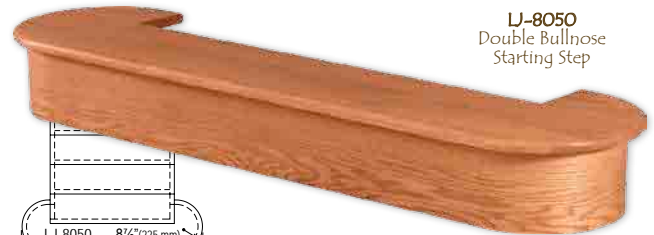
LJ-8060 - 11 1/2" (292 mm) Tread
LJ-8460 - 14" (356 mm) Tread
LJ-8660 - 16" (406 mm) Tread
Double End Starting Step

Steps, Treads, Risers

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



LJ-8030
Single Bullnose
Starting Step



LJ-8050
Double Bullnose
Starting Step

Specify
Width of Stair

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 10 1/2" or 11 1/2"
(25 mm x 267 mm or 292 mm)



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

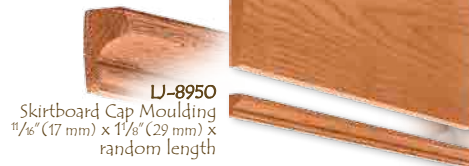


LJ-8074MR1 Reversible*
Hybrid Reversible Tread with Miter Return
on one end for LH or RH applications
1" x 11 1/2" x 48", 54" or 60"
(25 mm x 292 mm x 1219 mm, 1372 mm or 1524 mm)

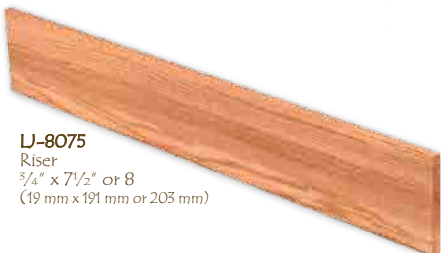
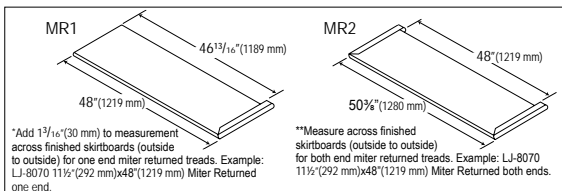


LJ-8070LH*
Tread with Miter Return Left Hand
LJ-8070RH*
Tread with Miter Return Right Hand
LJ-8070MR1 Reversible*
Tread with Miter Return on one end,
but is reversible for LH or RH
All above are 1" x 10 1/2" or 11 1/2" (25 mm x 267 mm or 292 mm)

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



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



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



LJ-8090
Landing Tread
(Random Length)



LJ-8090-5B
5 1/2" (133 mm)
Bending Landing
Tread 12" (3658 mm) &
16" (4877 mm) Lengths
Bending Radius: 48" (1219 mm)



LJ-8080
Lineal Tread Nosing
1 1/8" (27 mm) x 1 3/8" (30 mm) x
random length
LJ-8080-13
Single Tread Return
1 1/8" (27 mm) x 1 3/8" (30 mm) x
13" (330 mm)



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



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



LJ-8090-5
Landing Tread
(Random Length)

Rosettes & Brackets

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



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



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

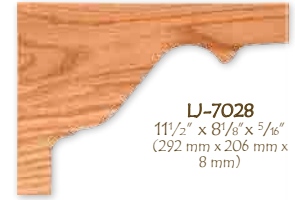


LJ-7026
4 9/16" Round
(116 mm)



LJ-7027
6 1/2" x 4 7/16"
(165 mm x 115 mm)

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



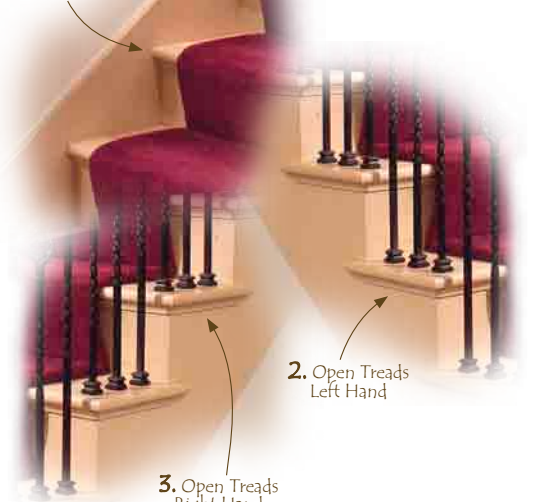
LJ-7028
11 1/2" x 8 1/8" x 5/16"
(292 mm x 206 mm x 8 mm)



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

False Tread Kit Applications

1. Closed Tread Application



2. Open Treads Left Hand

3. Open Treads Right Hand

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 89)

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 89)



LJ-8079
False Tread Kit
This kit can accommodate applications 1, 2, or 3 pictured above. Tread is 11" x 6" x 1/2" (279 mm x 152 mm x 13 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)

LJ-8179
Double Miter Return False Tread Kit
This kit can accommodate applications 2 & 3, as pictured above. Tread with attached moulding is 12 1/2" x 7 1/4" (318 mm x 184 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)



S-8071LH
Left Hand False Tread
Use with LJ-8076 to accommodate application 2 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

S-8071RH
Right Hand False Tread
Use with LJ-8076 to accommodate application 3 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

LJ-8078
Lineal False Tread Moulding
1 1/4" (32 mm) x 1 5/8" (21 mm) x random length

LJ-8172
Closed False Tread Kit
This kit can accommodate application 1, as pictured above. Tread with attached moulding is 12 1/4" x 6" (311 mm x 152 mm) Riser is 8" x 6" x 1/2" (203 mm x 152 mm or 13 mm)

LJ-8076
False Riser
Use with S-8071LH, S-8071RH or S-8072 to accommodate applications 1, 2 or 3 pictured above. 8" x 6" x 1/2" (203 mm x 152 mm x 13 mm)

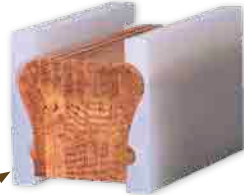
S-8072
False Tread
Use with LJ-8076 to accommodate application 1 pictured above. 13 7/8" x 5 1/4" (352 mm x 133 mm)

Bending Rails

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



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



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

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



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

Does not require
Bending Mould



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

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



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

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



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

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



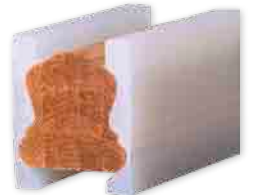
LJ-6900B
8 pieces
Bending Radius:
Rake - 54" (1372 mm)
Level - 60" (1524 mm)

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



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

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



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

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

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

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



This elegant stair features our LJ-6900 handrail and climbing volutes with our LJB-2915 beaded balusters and LJB-3910 beaded newel posts.



Highlighted in this classic stairway design is our LJ-6010 handrail and climbing volute with our LJ-5015 balusters and LJ-4010 newel posts.

Wall Rails

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



Wall Rail Brackets — Our wide variety of wall rail brackets provide several styles and many finishes from which to choose. The measurement from the wall to the handrail centerline on all of our brackets is 2³/₄" (70 mm).

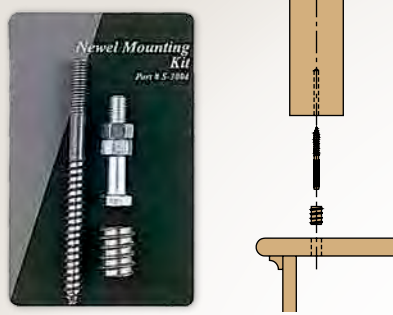
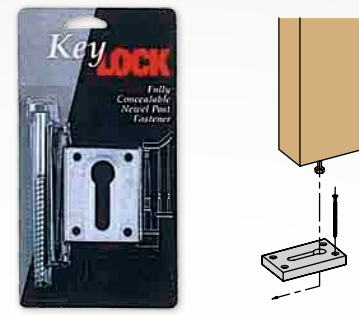
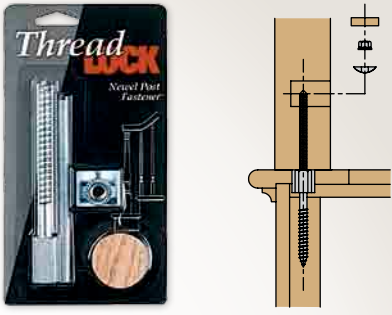
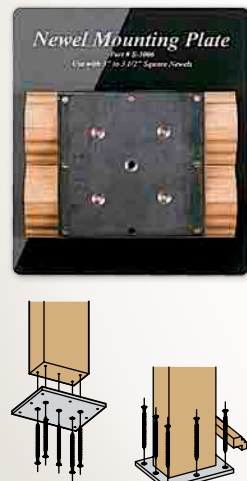
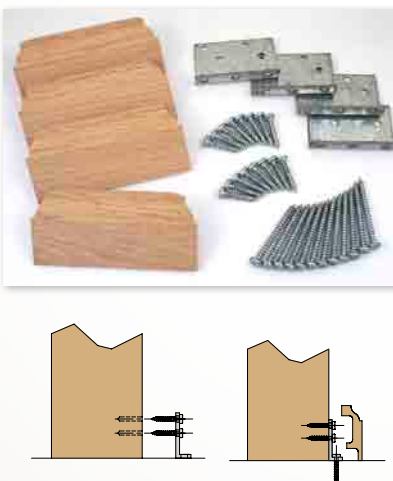
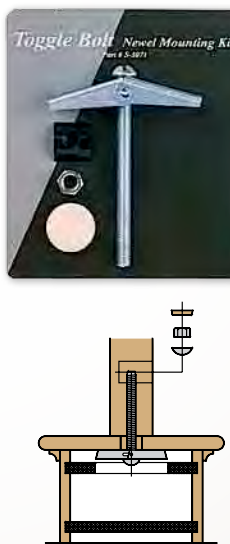
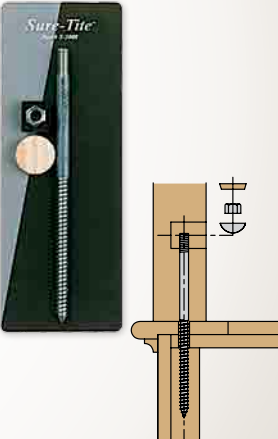

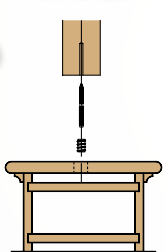
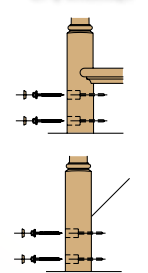
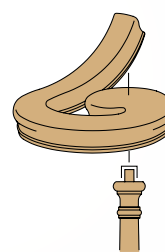

NOTE: Finish color may vary.



Installation Hardware

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

Newel Mounting Hardware

 <p>LJ-3004 Newel Mounting Kit — This kit is fully concealable. Use on finished floor surfaces, landings, and starting steps.</p>	 <p>LJ-3005 Keylock™ Newel Post Fastener — This kit is fully concealable. Use on finished floor surfaces, stairs, ceramic tile and concrete.</p>	 <p>LJ-3070 Threadlock™ Newel Post Fastener — Use to mount newel posts on finished floor surfaces.</p>	
 <p>LJ-3006 Newel Mounting Plate — Use to mount 3" (76 mm) to 3 1/2" (89 mm) newel posts on finished floor surfaces.</p>	 <p>LJ-3009 (for 3" (76 mm) newels) LJ-3019 (for 3 1/2" (89 mm) newels) Angle Bracket Newel Post Fastener — Use to mount newel posts on finished floor surfaces.</p>	 <p>LJ-3071 Toggle Bolt Newel Mounting Kit — Use to mount newel posts on starting steps.</p>	 <p>LJ-3008 (16" (406 mm) lag bolt) LJ-3008-10 (10 3/4" (273 mm) lag bolt) Sure-Tite™ Newel System — Use to mount newel posts on finished floor surfaces.</p>
<p>LJ-3007HDWE Hardware Kit — This kit includes a variety of hardware used to install a utility newel and a starting fitting.</p>  <p>Use to flush mount the utility newel on a starting step or other finished floor surface</p>  <p>Use to face mount the utility newel to the face of the riser or end of a kneewall</p>  <p>Use the perforated metal strip to attach the starting fitting to the utility newel</p> 		<p>LJ-3077 Rails2Post Connector™ — Use this kit to connect two rails to a post on a level run. It is simple to use and provides a quicker and stronger installation than rail bolts.</p> 	

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

  <p>LJ-3075 Flush Mount Kit — Use to fasten handrail to newels in flush mount applications.</p>	  <p>LJ-3076 Dowel-Fast Screws — Pack of 50 5/16" x 2 1/2" full thread dowel screws to attach balusters to treads or landing tread.</p>	  <p>LJ-3078 Rail & Post Fastener — Use to fasten handrails to newel posts or newel posts to stair risers.</p>
 <p>LJ-3079* 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.</p>	 <p>LJ-3020 Wood Glue Aliphatic resin in Pressure Point syringe for neat and accurate placement of glue.</p>	 <p>LJ-3022 Realwood Water-based putty in Pressure Point syringe fills defects, cracks and nail holes.</p>
 <p>LJ-3024 (100 Pack) 1/2" (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.</p>	 <p>LJ-3026 (50 Pack) 1/2" (13 mm) Button Plugs Face grain button plugs are used to cover bolt holes in newel posts.</p>	 <p>LJ-3074 (16 Pack) Mr. Grip™ These perforated metal strips provide an extremely tight fit between handrail fittings and Over the Post newel posts.</p>

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.

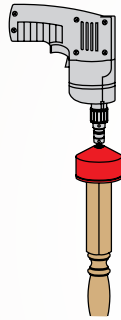
LJ-3053 Extensions — These extensions quickly increase the stair width capacity of the Stair Wizard™. Simply splice on the required number of extensions and use the tool in the normal manner. Available in sets of two.



Installation Tools

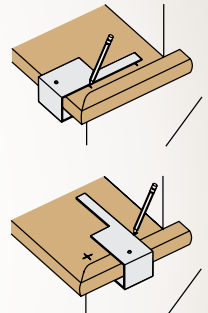
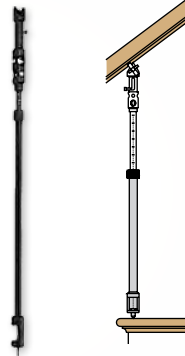
L.J. Smith offers a variety of tools designed specifically for stair installers in order to make marking and installing balusters easier and quicker.

Baluster Marking and Installation Tools

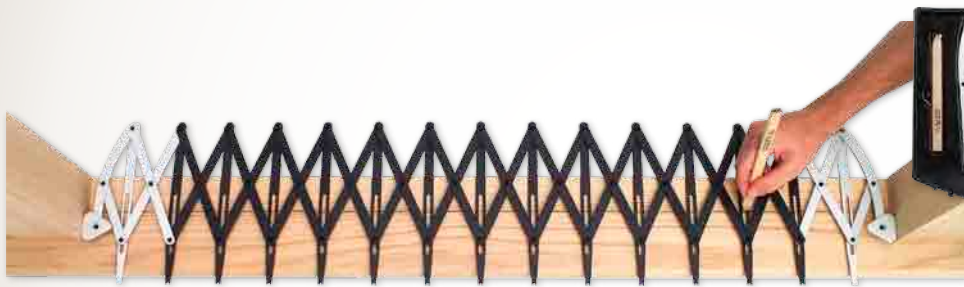


LJ-3035 Centaur® — Centers 9/32" (7 mm) hole in baluster bases for our Dowel-Fast screws. Fits 1/4" (32 mm) and 1 3/4" (44 mm) balusters. Doubles as a drill bit guide and a centering device.

LJ-3047 Telescoping Baluster Marking Tool — Use for marking baluster locations beneath handrails. Equipped with a bubble level, rule and a 1/2" (13 mm) x 5/8" (16 mm) extension which extends from 28" (711 mm) to 42" (1067 mm). Pat. No. 5,414,942



C-88 Baluster Centerline Tool — This handy steel tool is used for quick and accurate determination of 1/4" (32 mm) and 1 3/4" (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 1/4" (32 mm) balusters and another for 1 3/4" (44 mm) balusters and each can be used on either pin top or square top balusters. The Runners and Baluster Wrench are each sold separately, or as a set. Patent Pending.



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



LJ-3084-1
1 1/4" Baluster Runner™



LJ-3084-2
1 3/4" Baluster Runner™



LJ-3084-3
Baluster Wrench

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

 <p>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.</p>	 <p>LJ-3032 Rail Bolt-Runner — This drill attachment has machine threads to drive rail bolts into handrail, fittings, newels, and walls.</p>	 <p>LJ-3033 Dowel-Runner® — This drill attachment has lag threads to drive dowel screws into baluster bases.</p>
 <p>LJ-3034 Screw-Runner — This 4" drill extension has a magnetic end which fits 1/4" hex screw tips. This tool provides ease in driving wood screws into newel posts.</p>	 <p>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.</p>	
 <p>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</p>	 <p>LJ-3085 Insert-Runner — Use this drill attachment with our LJ-3075 Flush Mount Kit and LJ-3004 Newel Mounting Kit to drive the 3/4" x 1" threaded insert into the appropriate surface.</p>	 <p>LJ-3049 Drill Bit Pack — Includes a variety of drill bit sizes required for most stair installations.</p> <p>Includes our Chuck-Buster & Dowel-Fast Tap Includes these twist bits: 1/8" x 6", 5/32" x 3 1/2", 3/16" x 3 1/2", 3/8" x 8", 9/32" x 4" Includes these spade bits: 1/2" x 5", 9/16" x 5", 5/8" x 5", 1" x 5", 1 1/2" x 5", 3/4" x 5", and a 5/8" x 3" flare bit.</p>

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

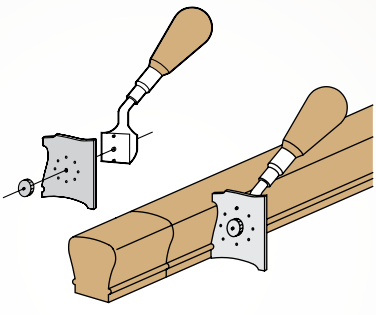


LJ-3044 VersaTool™ — Locates holes as well as starts and tightens hex nuts onto rail bolts. Drives 5/16" rail bolts and tightens 1/2" hex nuts. Also used to locate 1/4" pilot hole on handrails & rail drops for attaching to Connect-A-Kit® handrail fittings.



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 | LJ-6109 | LJ-6400 | LJ-6519 | LJ-6701 & LJ-6601 |
| Profiles | Profile | Profile | Profile | 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®

RailPro Pre-Assembled Railing

RailPro® is a pre-assembled, adjustable railing system providing an economical alternative to component parts. Some basic carpentry skills are all that's needed to install RailPro®. This Do-It-Yourself system is designed for homeowners who would like to upgrade their stair system or add a level railing in their home, without the expense of hiring a trim carpenter or stair builder.

Improve your home with the warmth and beauty of wood!



- OPTIONS:**
- 11 Lengths
 - 34" or 42" Rail Heights
 - 4" or 6" Baluster Spacing
- See page 105 for ordering guidelines

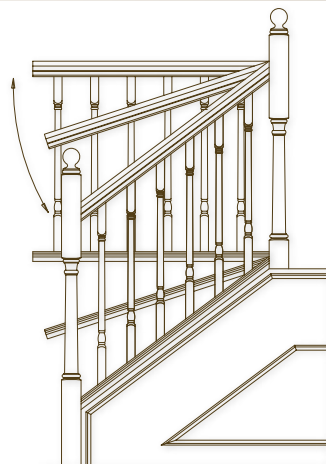
- RAILPRO® IS USED FOR:**
- ↓
- Replacing Old Railings
(either wood or metal)
 - New Stair Construction
 - Sunken Living Rooms
 - Room Dividers

RAILPRO® FEATURES... Full Adjustability!

It's completely assembled!



Each RailPro® assembly comes with a complete installation guide. Fillet is included for placement in the handrail and shoerail between the balusters.



Adjusts to any angle!

RAILPRO® IS EASY TO INSTALL



step 1 Install the Newel Posts using the hardware provided or select an alternate newel mounting kit on page 94.



step 2 Trim the Rail Ends at each newel post



step 3 Attach the rail to the newel posts.

The use of our RailPro® Installation Video Tape will ensure professional results.

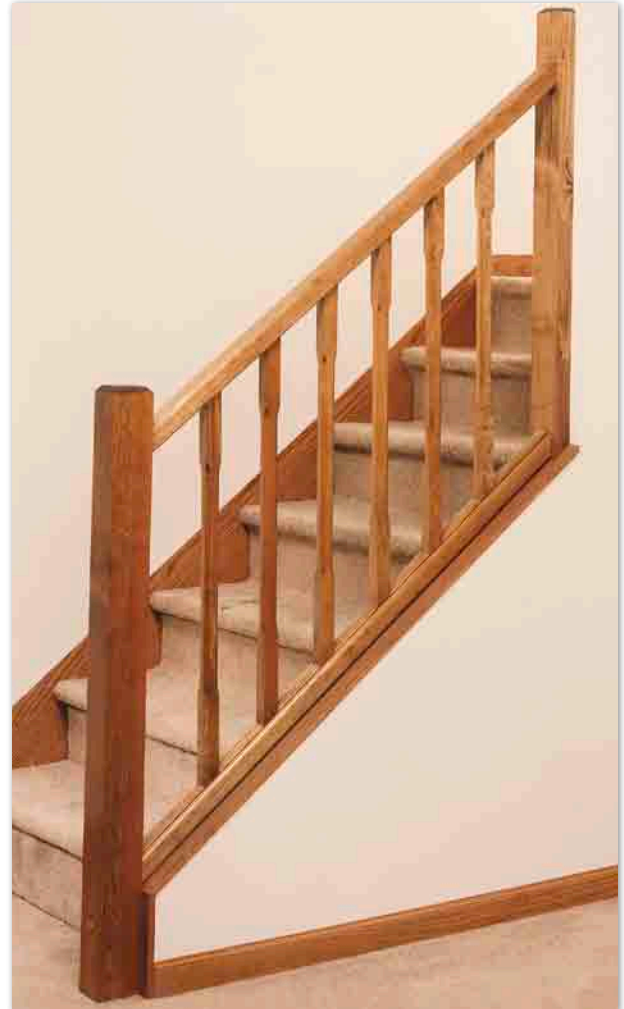
System

RAILPRO® IS AVAILABLE IN TWO STYLES . . .

TRADITIONAL STYLE



CONTEMPORARY STYLE



RAIL ASSEMBLY



Assemblies Consist of:
Handrail - LRT-6012
Shoerail - LRT-6013
Balusters - 1 1/4" Square
Center-Turned

Available Separately

WALL RAIL



LRT-6112
2 1/4" x 2 3/8"

WALL RAIL BRACKET



LJ-3012
See page 93 for other finishes

NEWEL POST



LJP-4046BT
3" x 62"

RAIL ASSEMBLY



Assemblies Consist of:
Handrail - LJC-6060
Shoerail - LJC-6060
Balusters - 1 1/4" Square
Chamfered

Available Separately

WALL RAIL



LJC-6160
2 1/4" x 1 5/8"

WALL RAIL BRACKET



LJ-3012
See page 93 for other finishes

NEWEL POST



LJP-4001
3 1/2" x 56"

Custom Capabilities



17



13



11



18

- 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 Bent Fascia/Skirtboard
- 20 Bent Handrail
- 21 Shaped Handrail
- 22 Shaped Shoerail
- 23 Bent Landing Tread
- 24 Shaped Landing Tread
- 25 Oversized Landing Tread
- 26 Custom Designs



19



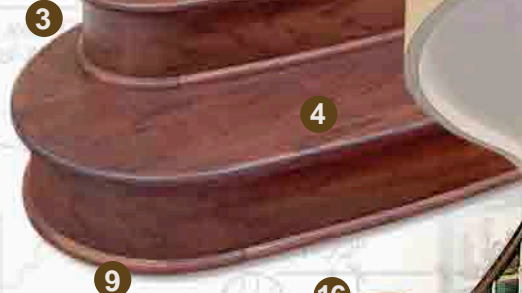
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Call (740) 269-2221 for a quote or more information.

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.



Pictured Center:
5' Spiral Stairway
Iron Balusters: LI-5100S and LI-5115S
Handrail: LJ-6900
Newel Post: LJP-3240

Pictured Top Left:
4'6" Spiral Stairway
Balusters: LJ-2011
Handrail: LJ-6010
Newel Post: LJP-3210

Pictured Above and Right:
5' Spiral Stairway and Landing
Balusters: LJ-5300
Handrail: LJ-6210
Newel Posts: LJ-4500

Pictured Above and Top Right:
3'9" Custom Spiral Stairway
Balusters: LJ-5015
Handrail: LJ-6010
Newel Post: LJ-4040

Ordering Guidelines

WOOD POST TO POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Wood Post to Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 32" minimum/36" maximum rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

Item	Guidelines	Page	Part #	Qty.
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.	90		
2	TREADS Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 91.	90-91		
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 91.	90-91		
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.	90		
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.	90		
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. 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.	24-43		
		44-46		
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.	36,37,40		
8	INTERMEDIATE LANDING NEWEL Select the intermediate landing newel with the 14 1/2" face when not using a landing fitting assembly. 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. If using Box Newels, select an Intermediate Box Newel.	24-43		
		44-46		
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... If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	24-43		
		44-46		
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.	24-46		
11	HALF NEWEL OR ROSETTES Select the half-newel of the same style as the other full newels selected on the balcony (i.e.: 11" face or 5" face or Box Newel) Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	24-46		
12		91		
13	NEWEL MOUNTING HARDWARE Select one of the newel mounting kits for each newel post (if desired).	94		
14	RAKE BALUSTERS FOR OPEN TREAD STAIR 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. 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.	24-43		
15	RAKE BALUSTERS FOR KNEEWALL STAIR Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	24-43		
16	LEVEL RUN BALUSTERS Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies. Place on 4"-6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly at the 2nd floor landing.	24-43		
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.	24-43		
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.	93		
		24-43		
19	HANDRAIL FITTINGS (Landing Fitting Components) If using a Landing Fitting Assembly with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 87-88. Specify each fitting component needed to construct the Landing Fitting Assembly(ies).	87-88		
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.	86		
21	SHOERAIL FOR KNEEWALL STAIR Select shoerail at a rate of 13" per each tread.	24-43		
22	SHOERAIL FOR LEVEL RUN Select shoerail to cover all balcony landing tread, (if desired).	24-43		
23	FILLET Select enough fillet to fill all plowed handrail and all shoerail.	24-43		
24	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.	95		
25	BRACKETS Select one bracket for each tread, (if desired).	91		
26	HARDWARE See pages 93-95 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.	93-95		

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. Will achieve a 36" balcony railing height.
Intermediate Landing Newel (73" overall—14 1/2" top face)	Use this newel for a level intermediate landing with <u>no</u> landing fitting assembly.
Intermediate Landing Newel (62" overall—5" top face)	Use this newel for level landings with a landing fitting assembly.
Intermediate Landing Newel (73" overall—5" top face)	Use this newel for intermediate landings with 2-winder treads and a landing fitting assembly.
Intermediate Landing Newel (78" overall—5" top face)	Use this newel for intermediate landings with 3-winder treads and a landing fitting assembly.

Ordering Guidelines

IRON & WOOD POST TO POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Iron & Wood Post to Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 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.	90		
2	TREADS	Select one tread for each step. For a stair open on one side order miter-returned (MR1) and add 1 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 91.	90-91		
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 91.	90-91		
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.	90		
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.	90		
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. 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.	24-43 44-46		
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.	36,37,40		
8	INTERMEDIATE LANDING NEWEL	Select the intermediate landing newel with the 14 1/2" face when <u>not</u> using a landing fitting assembly. 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. If using Box Newels, select an Intermediate Box Newel.	24-43 44-46		
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... If using Box Newels, select a Box Newel or Intermediate Box Newel for the Second Floor Landing Newel.	24-43 44-46		
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.	24-46		
11	HALF NEWEL OR ROSETTES	Select the half-newel of the same style as the other full newels selected on the balcony (i.e.: 11" face or 5" face or Box Newel) Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	24-46 91		
13	NEWEL MOUNTING HARDWARE	Select one of the newel mounting kits for each newel post (if desired).	94		
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.	64-72 75-77		
15	RAKE IRON BALUSTERS FOR KNEEWALL STAIR	Select iron balusters at a rate of three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired. Please check building codes for baluster spacing compliance.	73-74		
16	LEVEL RUN IRON BALUSTERS	Place iron balusters on 4"-6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired.	64-72 75-77		
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.	24-43		
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.	93 24-43		
19	HANDRAIL FITTINGS (Landing Fitting Components)	If using a Landing Fitting Assembly with the Intermediate and/or Second Floor Landing Newels, match each corner of the floor plan to a corresponding plan on pages 87-88. Specify each fitting component needed to construct the Landing Fitting Assembly(ies).	87-88		
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.	86		
21	BOTTOM BALUSTER COLLARS	Select one bottom baluster collar for each baluster. See descriptions for applications.	64-80		
22	TOP BALUSTER COLLARS	Select one top baluster collar for each baluster (if desired). See descriptions for applications.	64-80		
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).	65, 68, 71, 80		
24	BRACKETS	Select one bracket for each tread, (if desired).	91		
25	IRON BALUSTER EPOXY	Select construction epoxy for installing the iron balusters.	83		
26	HARDWARE	See pages 93-95 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.	93-95		

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. Will achieve a 36" balcony railing height.
Intermediate Landing Newel (73" overall—14 1/2" top face)	Use this newel for a level intermediate landing with <u>no</u> landing fitting assembly.
Intermediate Landing Newel (62" overall—5" top face)	Use this newel for level landings with a landing fitting assembly.
Intermediate Landing Newel (73" overall—5" top face)	Use this newel for intermediate landings with 2-winder treads and a landing fitting assembly.
Intermediate Landing Newel (78" overall—5" top face)	Use this newel for intermediate landings with 3-winder treads and a landing fitting assembly.

Ordering Guidelines

POST TO POST STAIR SYSTEM USING RAILPRO

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your RailPro Post to Post Stair System and/or Level Run. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. Always check local building codes before installation. All products in this catalog are for interior installations only.

Steps		Easy Ordering Guidelines	Page
1	SELECT A STYLE	Circle one: TRADITIONAL or CONTEMPORARY	100
2	SPECIFY THE RAILPRO ASSEMBLY SPECIES	Circle one: ALL OAK or ALL HEMLOCK or OAK RAIL WITH HEMLOCK BALUSTERS	21
3	SPECIFY BALUSTER SPACING	Circle one: 4" BALUSTER SPACING or 6" BALUSTER SPACING	
4	ASSEMBLY(IES) NEEDED FOR THE RAKE(S) (34" assemblies are always used on the rake)	Figure the RailPro assemblies at a rate of 13" per each tread. Mark the quantity of RailPro assembly(ies) needed for the rake(s): 2' ____ 3' ____ 4' ____ 5' ____ 6' ____ 7' ____ 8' ____ 9' ____ 10' ____ 12' ____ 14' ____	100
5	LEVEL RUN ASSEMBLY HEIGHT	Circle one: 34" HEIGHT or 42" HEIGHT	
6	ASSEMBLY(IES) NEEDED FOR THE LEVEL RUN(S) OR BALCONY(IES)	Mark the quantity of RailPro assembly(ies) needed for the level run(s) or balconies: 2' ____ 3' ____ 4' ____ 5' ____ 6' ____ 7' ____ 8' ____ 9' ____ 10' ____ 12' ____ 14' ____	100
7	SPECIFY THE NEWEL POST SPECIES	Circle one: OAK or HEMLOCK	21
8	NEWEL POSTS	Select a newel for the bottom of the stair, at each landing and at every corner. Mark the quantity of newels needed: ____ LJRP4046BT Traditional Newel ____ LJRP4001 Contemporary Newel	100
9	HALF NEWEL POSTS	Select a half newel for everywhere a RailPro assembly meets the wall. Mark the quantity of half newels needed: ____ LJRP4046BT-½ Traditional Half Newel ____ LJRP4001-½ Contemporary Half Newel	100
10	WALL RAIL	Mark the quantity of wall rail needed: (specie will be the same as the specie chosen for the RailPro assembly(ies). Wall rail brackets will be needed for mounting the wall rail to the wall (see #11 below) ____ LJRT-6012 Traditional Wall Rail ____ LJRC-6060 Contemporary Wall Rail	100
11	INSTALLATION HARDWARE	Mark the quantity needed of the installation hardware below: ____ LJ-3004 Newel Mounting Kit ____ LJ-3006 Newel Mounting Plate ____ LJ-3007 Newel Mounting Hardware* ____ LJ-3012 Wall Rail Bracket * This kit is included with each RailPro newel post.	93-95

Ordering Guidelines

WOOD OVER THE POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Wood Over the Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 52" 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.	90		
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 89. 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 91.	89,91		
3	TREADS Select one tread for each step (except the starting step). For a stair open on one side order miter-returned (MR1) and add 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 91.	90-91		
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 91.	90-91		
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.	90		
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.	90		
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.	85		
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.	61-63		
9	UTILITY NEWEL (43") Use everywhere except at the intermediate landing corner of an L-shaped stair and in situations listed in #8 above.	49-63		
10	UTILITY NEWEL (50") Use for balcony newel(s) that will extend below the floor surface. Also use under a starting easing with cap when a starting step is <u>not</u> used, and the rake handrail height is 34" or higher.	49-63		
11	INTERMEDIATE LANDING NEWEL Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 65" intermediate landing newel in 2-winder landing situations. Use the 73" intermediate landing newel in 3-winder situations.	49-63		
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.	49-63		
13	HALF NEWEL OR ROSETTES Select the half-newel of the same style as the other full newels selected on the balcony. Select the round rosette for all level run rail connections into a wall. Select the oval or rectangular rosette for all angled rail connections into a wall (when the rail meets the wall on a rake).	49-63 91		
14	NEWEL MOUNTING HARDWARE Select one of the newel mounting kits for each newel post (if desired). Note: The LJ-3007HDWE kit is included with each over the post utility newel.	94		
15	BALUSTERS FOR VOLUTES AND TURNOUTS Standard volutes require four or six 1/4" balusters, or four 1/2" balusters. Turnouts require two 1/4" balusters, or one 1/2" 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.	49-63		
16	BALUSTERS FOR STARTING EASING WITH CAP Use one 38" baluster for 30"-34" handrail height. Use one 42" baluster for 34"-38" handrail height.	49-63		
17	RAKE BALUSTERS FOR OPEN TREAD STAIR 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 <u>not</u> be long enough for use under a landing fitting assembly.	49-63		
18	RAKE BALUSTERS FOR KNEEWALL STAIR Select the shortest available baluster at a rate of two or three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster.	49-63		
19	LEVEL RUN BALUSTERS Use the 38" baluster for all 36" level runs/balconies. Use the 42" baluster for all 42" level runs/balconies (exception: an over the post rake rail height of 34"-38" requires 42" balusters for 36" and 42" level balconies). Place on 4"-6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly at the 2nd floor landing.	49-63		
20	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.	49-63		
21	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 #30). Select one bracket for each end of the rail and at 2'-3" intervals between.	93 49-63		
22	HANDRAIL FITTINGS (Landing Fitting Components) Match each corner of the floor plan to a corresponding plan on pages 87-88. Specify each fitting component needed to construct the Landing Fitting Assembly(ies).	87-88		
23	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.	86		
24	SHOERAIL FOR KNEEWALL STAIR Select shoerail at a rate of 13" per each tread.	49-63		
25	SHOERAIL FOR LEVEL RUN Select shoerail to cover all balcony landing tread, (if desired).	49-63		
26	FILLET Select enough fillet to fill all plowed handrail and all shoerail.	49-63		
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.	95		
28	BRACKETS (Open Stairs) Select one bracket for each tread, (if desired).	91		
29	HARDWARE See pages 93-95 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.	93-95		

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 (65")	Use this newel for intermediate landings with 2-winder treads.
Intermediate Landing Newel (73")	Use this newel for intermediate landings with 3-winder treads.

Ordering Guidelines

IRON & WOOD OVER THE POST STAIR SYSTEM

The following guidelines are designed to provide an accurate and complete list of components necessary to complete your Iron & Wood Over the Post Stair System. This checklist will provide the flexibility to comply with most building codes as they relate to handrail height and baluster spacing requirements. The following guidelines will achieve 32" minimum/36" maximum rake rail heights. Always check local building codes before installation. All products in this catalog are for interior installations only.

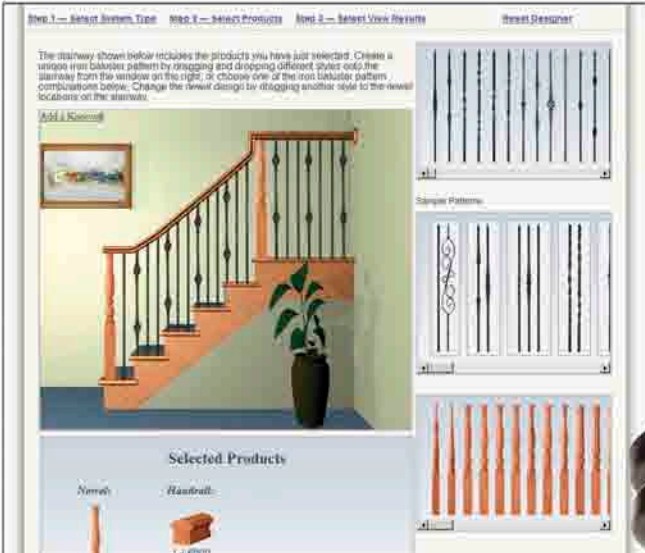
Item	Guidelines	Page	Part #	Qty	
SUPPORT SYSTEM					
1	SKIRTBOARD	Select skirtboard at 13" per tread, plus any additional length desired for extension beyond the first and last risers. Be sure to order enough skirtboard for both sides of the stairway.	90		
2	STARTING STEP	For use with volutes and turnouts. Select a single or double bullnose starting step matching your floor plan to those shown on page 89. 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 91.	89,91		
3	TREADS	Select one tread for each step (except the starting step). For a stair open on one side order miter-returned (MR1) and add 1 1/4" to the skirtboard to skirtboard measurement, then refer to the next longer standard length available. For a stair open both sides order miter-returned both (MR2) and use the finished skirtboard to skirtboard measurement (measured outside to outside). For false treads see page 91.	90-91		
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 91.	90-91		
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.	90		
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.	90		
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.	85		
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.	78		
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.	61-63		
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.	49-63		
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.	49-63		
12	WOOD INTERMEDIATE LANDING NEWEL	Use the 58" intermediate landing newel at the intermediate landing corner of an L-shaped stair. Use the 65" intermediate landing newel in 2-winder landing situations. Use the 73" intermediate landing newel in 3-winder situations.	49-63		
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.	49-63		
14	WOOD HALF NEWEL	Select the half-newel of the same style as the other full newels selected on the balcony.	49-63		
15	OR 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).	91		
16	NEWEL MOUNTING HARDWARE	Select an Iron Newel Mounting Kit for each iron newel being used. Select one of the newel mounting kits for each wood newel post being used. Note: The LJ-3007HDWE kit is included with each over the post wood utility newel.	78 94		
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.	64-72 75-77		
18	IRON BALUSTERS FOR STARTING EASING WITH CAP	Use one iron baluster under each Starting Easing with Cap.	64-72 75-77		
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.	64-72 75-77		
20	RAKE IRON BALUSTERS FOR KNEEWALL STAIR	Select iron balusters at a rate of three per tread placed on 4" to 6" centers. Subtract one baluster from the calculated total as the starting newel replaces the first baluster. While not necessary, an alternating pattern is frequently desired. Please check building codes for baluster spacing compliance.	73-74		
21	LEVEL RUN IRON BALUSTERS	Place iron balusters on 4"-6" centers. Subtract one baluster from the calculated total to account for the end of the run. Subtract one baluster for each newel post on the level run. Do not, however, subtract one for the newel post beneath the landing fitting assembly at the 2nd floor landing. While not necessary, an alternating pattern is frequently desired.	64-72 75-77		
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.	49-63		
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.	93 49-63		
24	HANDRAIL FITTINGS (Landing Fitting Components)	Match each corner of the floor plan to a corresponding plan on pages 87-88. Specify each fitting component needed to construct the Landing Fitting Assembly(ies).	87-88		
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.	86		
26	BOTTOM BALUSTER COLLARS	Select one bottom baluster collar for each baluster. See descriptions for applications.	64-80		
27	TOP BALUSTER COLLARS	Select one top baluster collar for each baluster (if desired). See descriptions for applications.	64.80		
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).	65, 68, 71, 80		
29	BRACKETS (Open Stairs)	Select one bracket for each tread, (if desired).	91		
30	IRON BALUSTER EPOXY	Select construction epoxy for installing the iron balusters.	83		
31	HARDWARE	See pages 93-95 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.	93-95		

The New L.J. Smith.com



The all new L.J. Smith website has a whole new look and many wonderful features such as an **Interactive Stair Designer**, **Resource Center** and **User Categories** for user friendly navigation.

The **Interactive Stair Designer** allows the user to select balustrade components and see them displayed on a stairway...



Find what you need quickly with the new **User Category** navigation option...

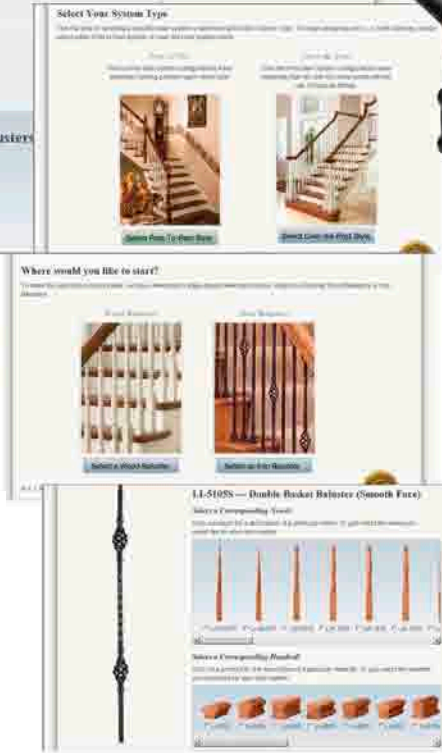


The **Resource Center** provides: FAQ's • Ordering Guidelines • Finishing Tips • Building Codes • Product Catalog and Brochure Downloads • e-Newsletters and subscribe option • Literature Request Form • Logos & Product Drawing Downloads • Marketing Photo Downloads • Warranty • Links to associations with whom L.J. Smith is affiliated

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