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Check back FREQUENTLY for new ideas, tips, and innovations



Details on Page 54

Rail Fastening Innovations

Rake

Connect hand rail to newel





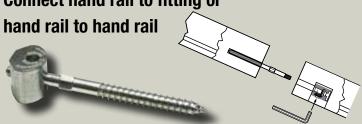
Balcony

Connect level hand rail to newel



Fitting

Connect hand rail to fitting or



Drill Guide

Align and drill ZipBolt™ connection holes



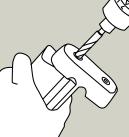


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Wood Quick Reference

Balusters



Over the Post Newels



Wood Quick Reference

Post to Post Newels



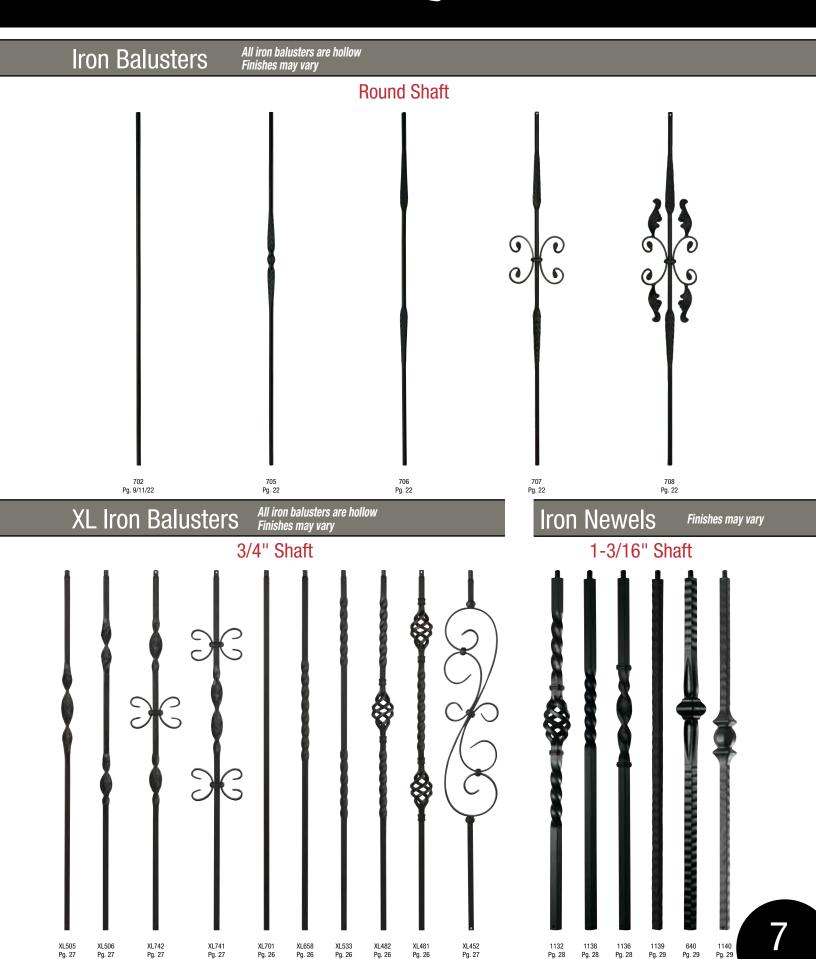
Box Newels



Iron Quick Reference

Iron Balusters All iron balusters are hollow Finishes may vary Smooth 5160 Pg. 9 5120 Pg. 11 5125 Pg. 11 482 Pg. 13 481 Pg. 13 781 Pg. 15 658 Pg. 13 Hammered Edge **Hammered Face** 704 Pg. 9/19/21 652 Pg. 24

Iron Quick Reference



Iron collections

Creative Stair Parts





Antique Bronze



Oil Rubbed Bronze Oil Rubbed Copper





Silver Vein (SV) SKU (S)



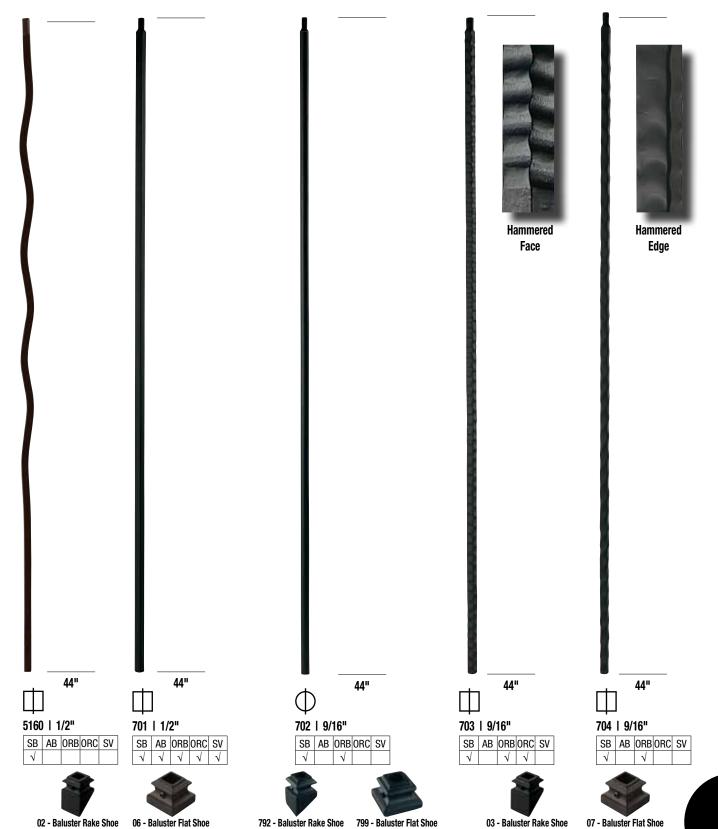
Satin Black

(**AB**) SKU (B)

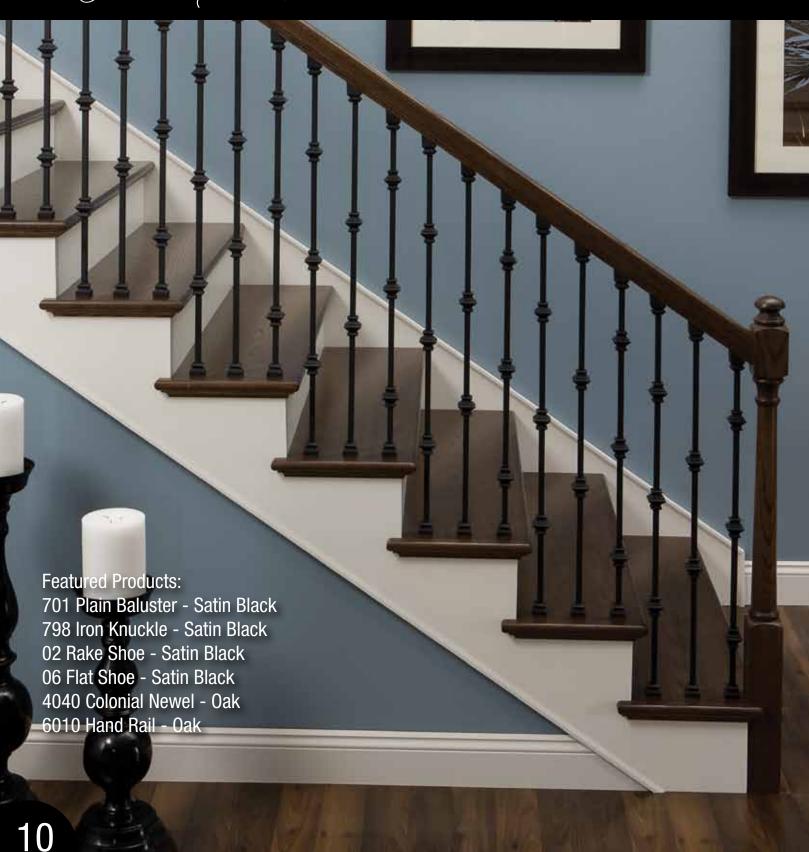
(ORB) SKU (Z)

(ORC) SKU (R)

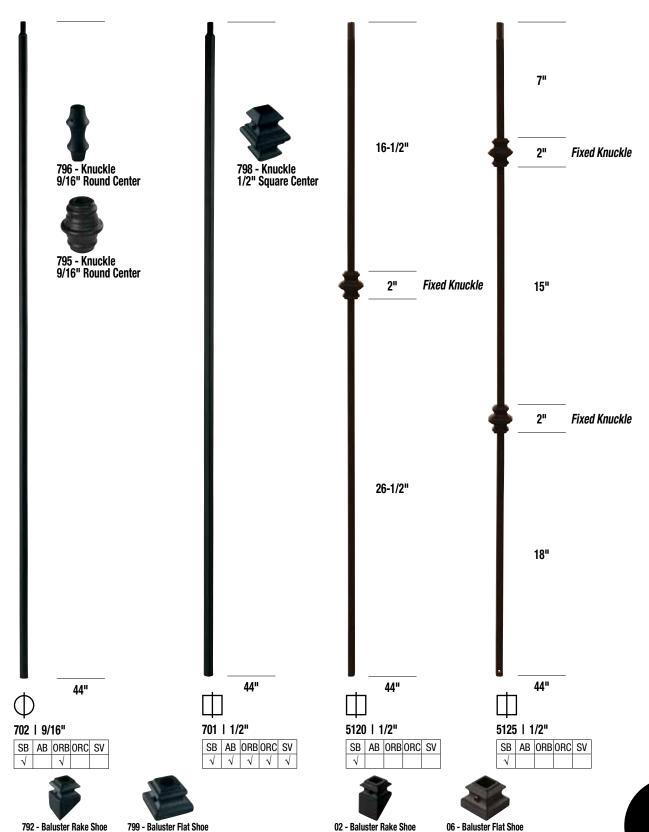
Plain collection



Knuckle



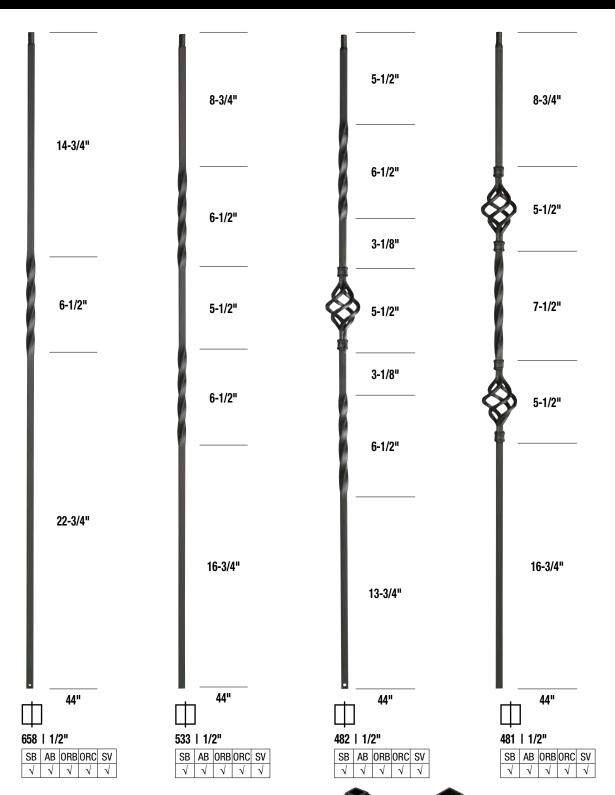
Knuckle



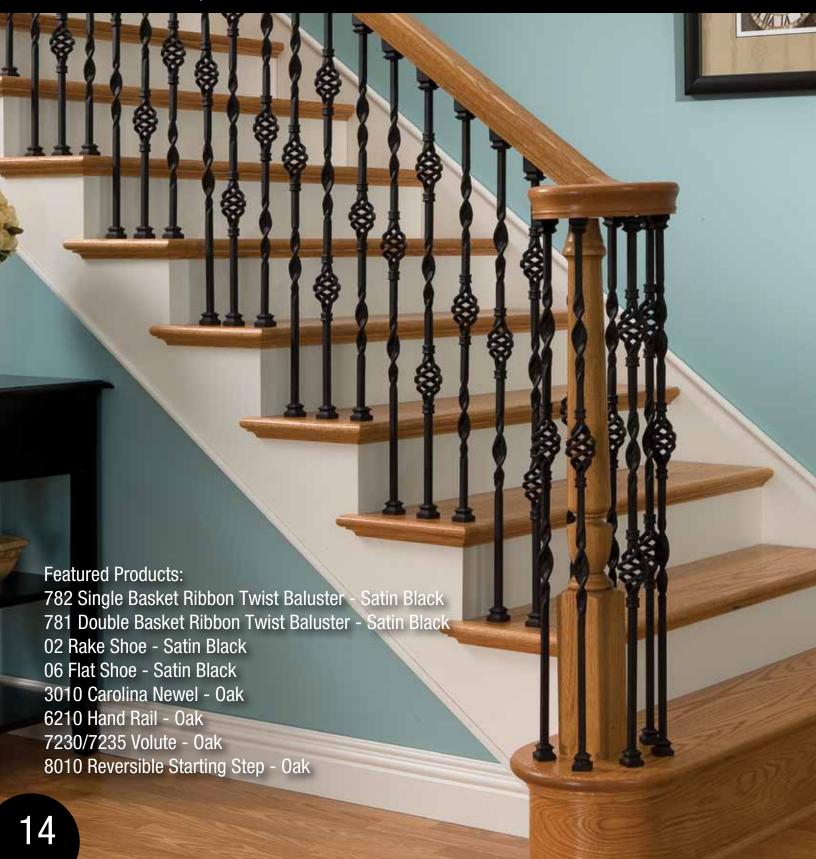
Basket & Twist



Basket & Twist collection

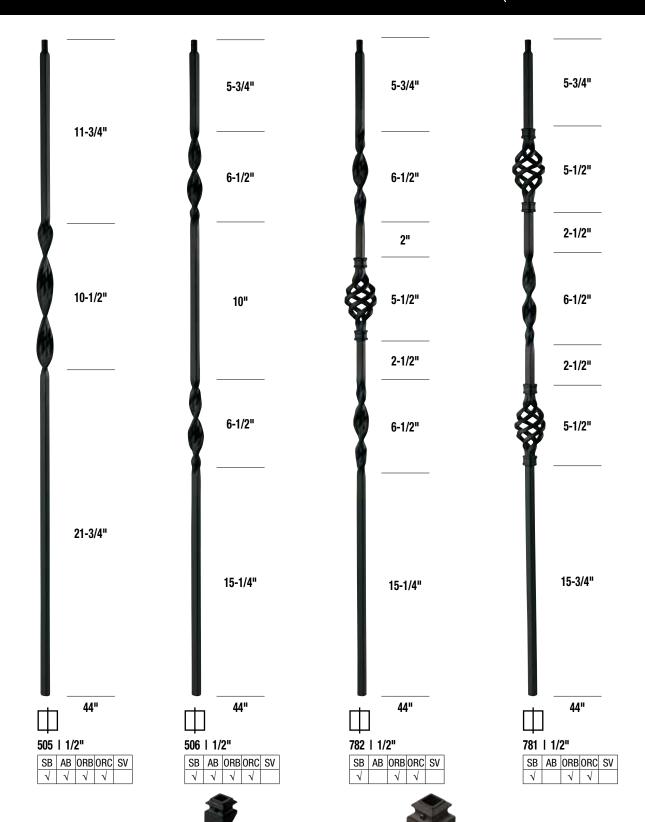


Ribbon Twist collection



Ribbon Twist collection

Creative Stair Parts



06 - Baluster Flat Shoe

02 - Baluster Rake Shoe

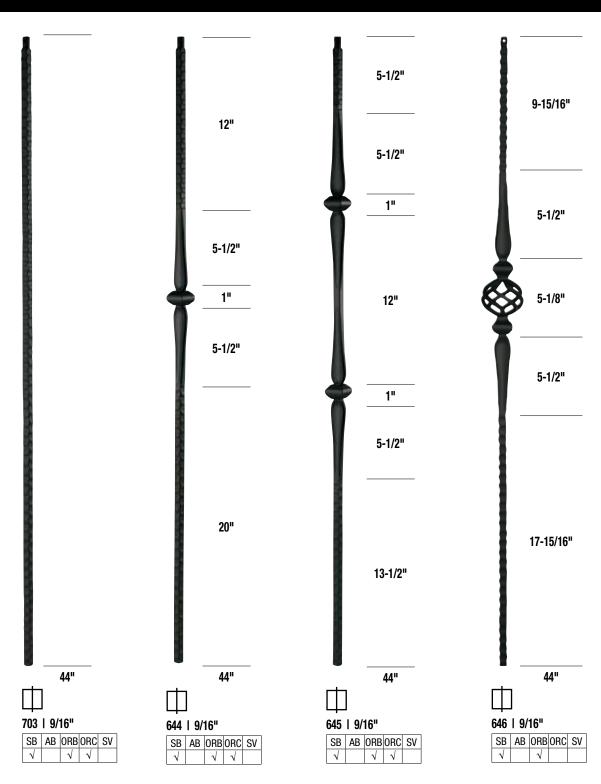
Collar



Collar



Hammered Face



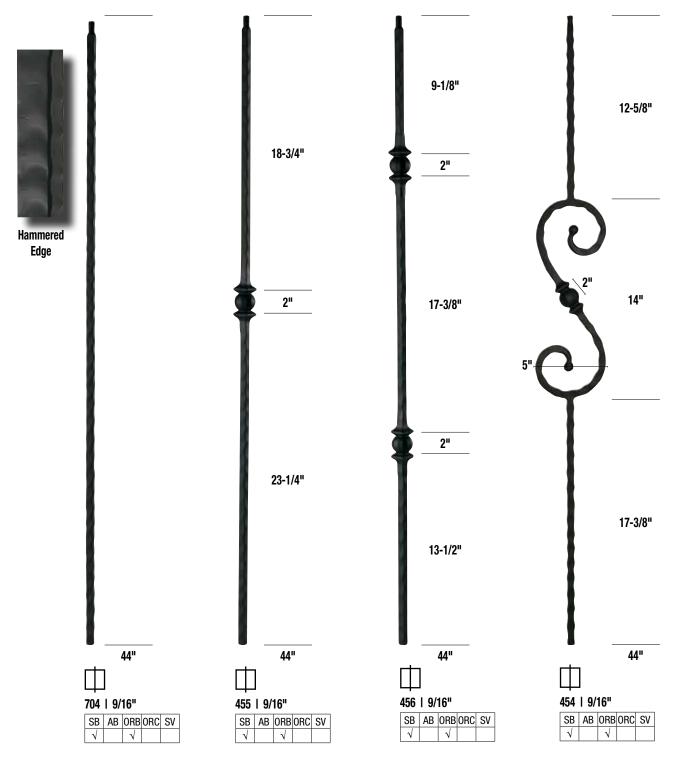




Sphere



Sphere



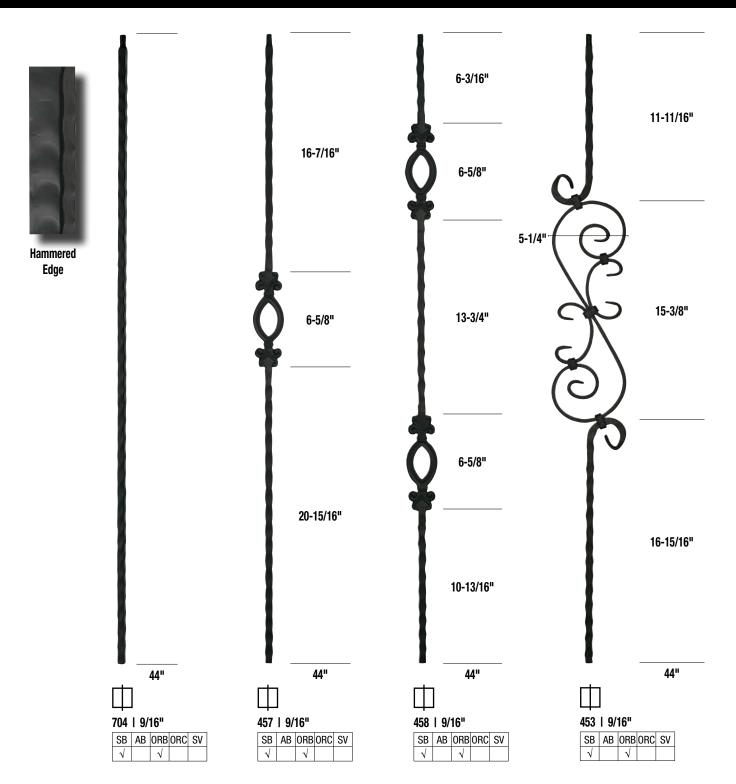




Eyelet



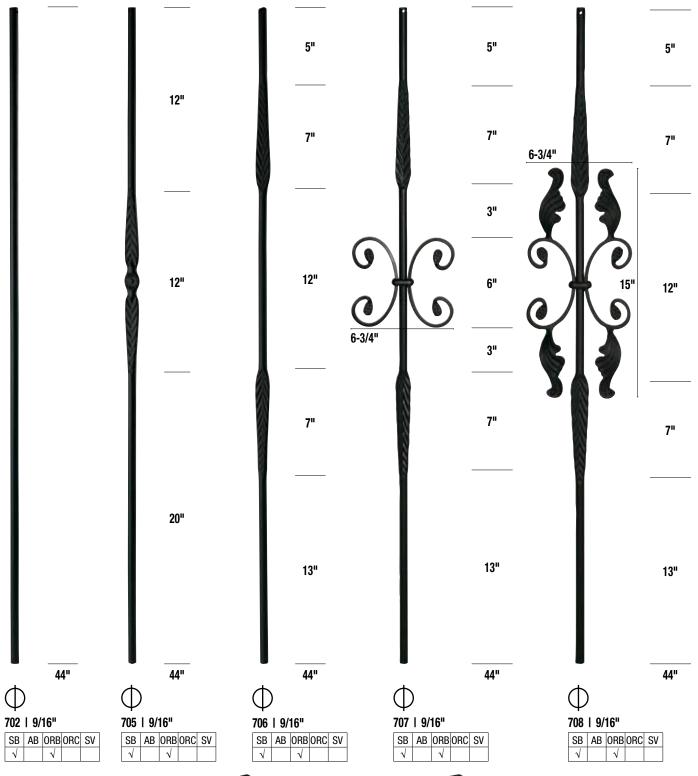
Eyelet







Dart & Feather collection

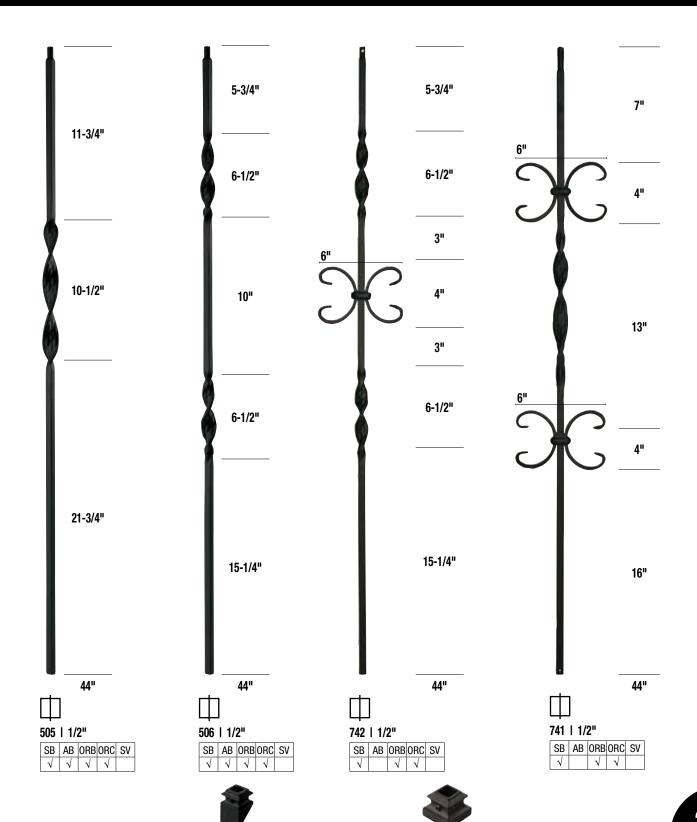






Butterfly Ribbon collection

Creative Stair Parts

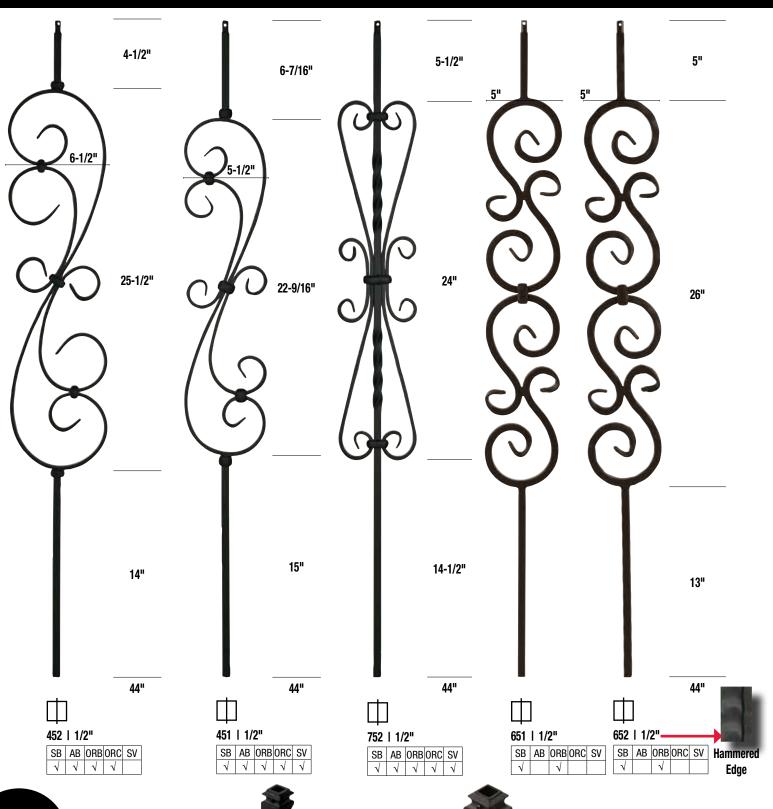


06 - Baluster Flat Shoe

02 - Baluster Rake Shoe

Scroll collection

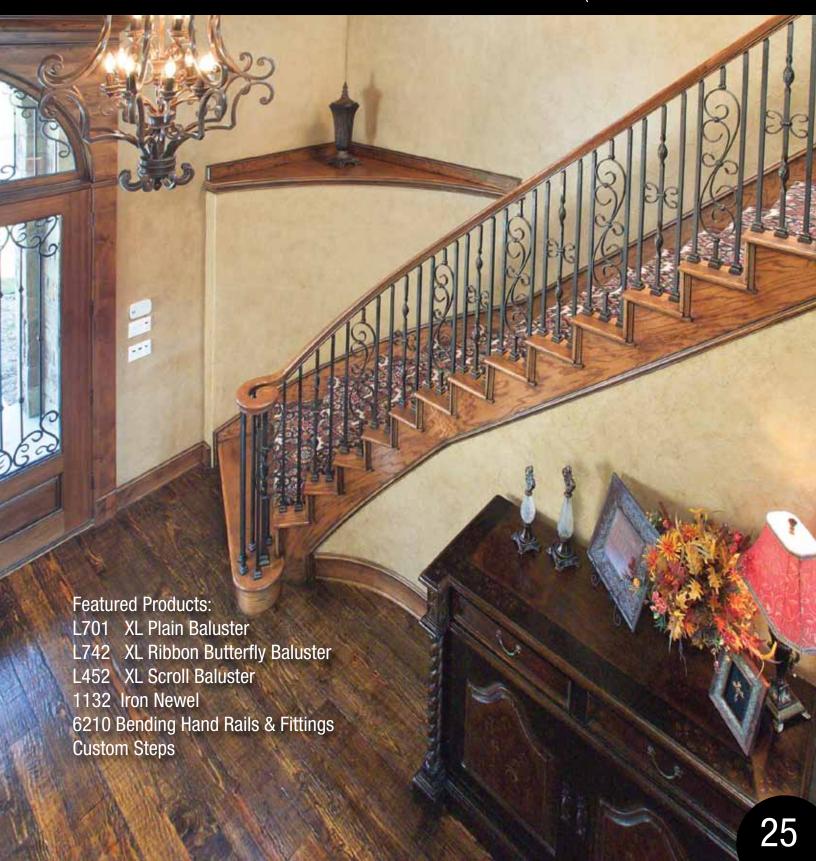
Creative Stair Parts



06 - Baluster Flat Shoe

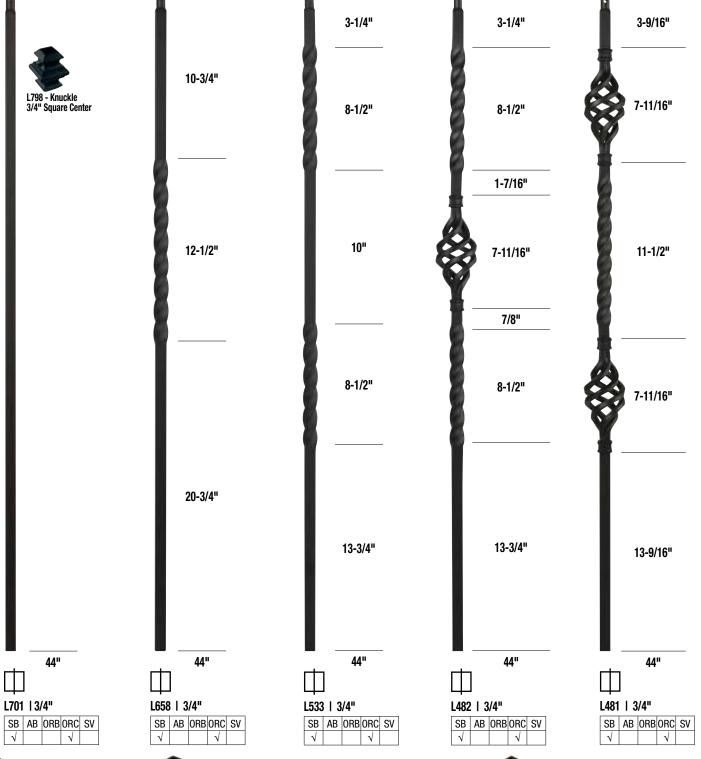
02 - Baluster Rake Shoe

XL Baluster collection



XL Baluster collection

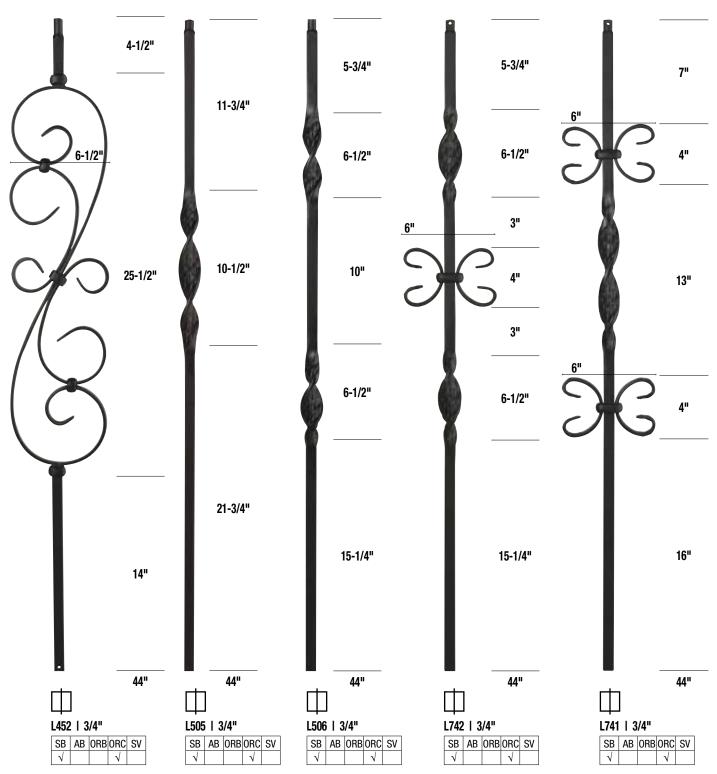
Creative Stair Parts





L06 - XL Baluster Flat Shoe

XL Baluster collection



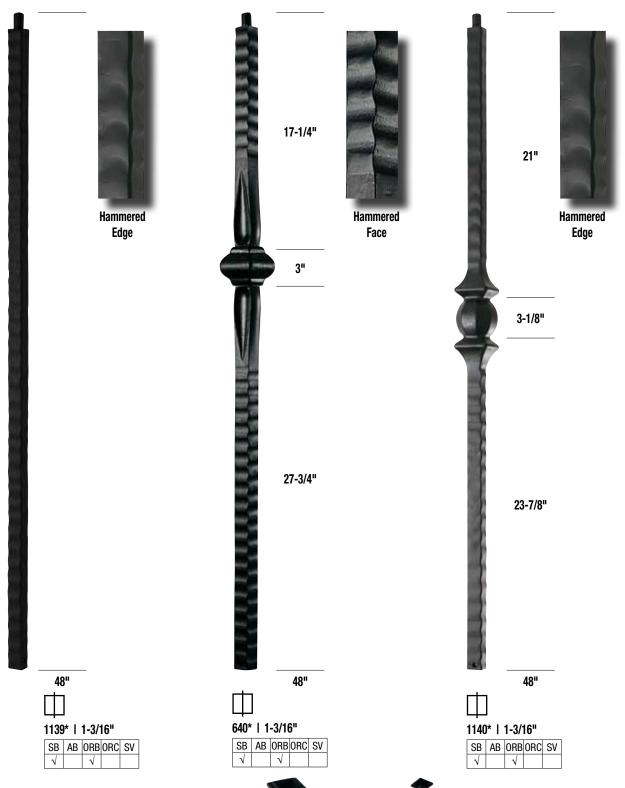


L06 - XL Baluster Flat Shoe

Iron Newel collection

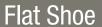


Iron Newel collection



Iron Accessories

Creative Stair Parts®





Square Shaft



Round Shaft



Baluster Flat Shoe 1/2" Center

SB	AB	ORB	ORC	SV
1	\ \	√	1	1

3/4" Center

SB	AB	ORB	ORC	SV
1			1	

9/16" Center

SB	AB	ORB	ORC	SV
			√	





Baluster Flat Shoe 9/16" Round Center

o, . o		uu	•••••	٠.
SB	AB	ORB	ORC	SV
V		V		





Baluster Flat Shoe 1/2" Center

SB	AB	0RB	ORC	SV
V	1		√	





S-SHOE **Baluster Shoe** 1/2" Center

SB AB ORB ORC SV Black Synthetic Only







RD201 Baluster Shoe Adjustable Center 1/2" to 9/16" Square or Round

SB AB ORB ORC SV



Baluster Shoe 1/2" Center

SB AB ORB ORC SV 1 1 1 1



020-SP Adjustable Center 1/2" to 9/16" Square or Round

SB AB ORB ORC SV Black Synthetic Only





Newel Hardware



Square Shaft



Round Shaft



Newel Flat Shoe 1-1/4" Center

SB AB ORB ORC SV **√** $\sqrt{}$





MB IRON Metal Newel Fastener Smooth

SB	AB	ORB	ORC	SV



Iron Accessories

Creative Stair Parts





Square Shaft



Round Shaft



Baluster Rake Shoe 1/2" Center

SB AB ORB ORC SV

 $\sqrt{|\lambda|}\sqrt{|\lambda|}$

L02

3/4" Center

SB	AB	ORB	ORC	SV
			1	

9/16" Center

SB	AB	0RB	ORC	SV
V		1	1	





Baluster Rake Shoe 9/16" Round Center

o, . o		uu	•••••	٠.
SB	AB	ORB	ORC	SV
1		1		
+				





S-SHOE-R Baluster Rake Shoe 1/2" Center

SB AB ORB ORC SV Black Synthetic Only



Knuckles



Square Shaft



Round Shaft



Knuckle 1/2" Square Center

SB AB ORB ORC SV $\sqrt{|V|}$

L798 Knuckle 3/4" Square Center

SB	AB	0RB	ORC	SV
	1			





Knuckle 9/16" Round Center

				•-
SB	AB	ORB	ORC	SV
√		1		
_				





Knuckle 9/16" Round Center

SB	AB	ORB	ORC	SV
\checkmark		1		



Epoxy





Kit Nozzle



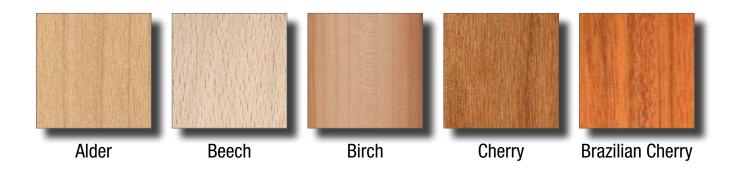


Wood







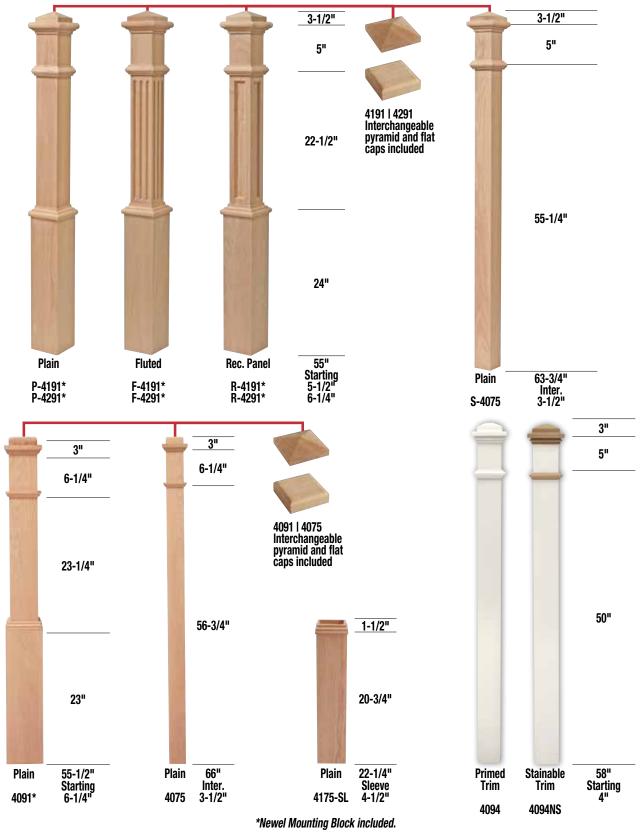




Additional species available. Call for details.



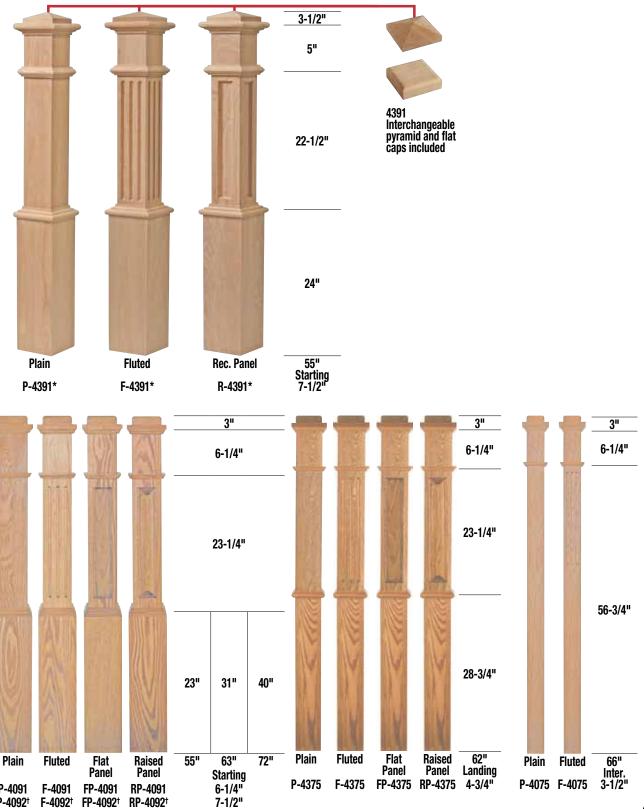
Box Newel collection



Box Newel collection







Carolina

Creative Stair Parts





3040

Carolina

Carolina

Creative Stair Parts

3040 Carolina Starting Newel Oak

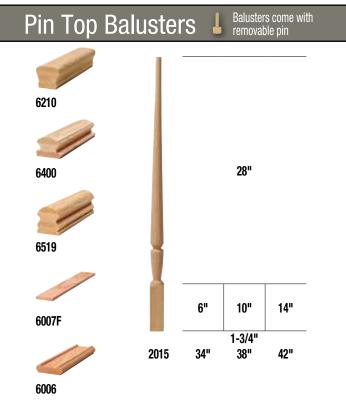






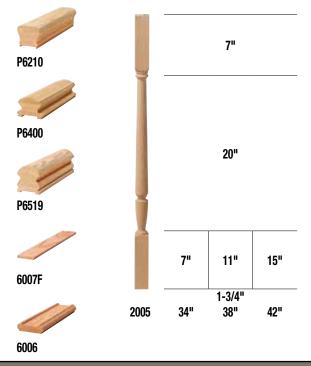
Carolina

Creative Stair Parts®

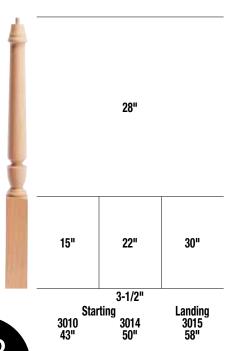


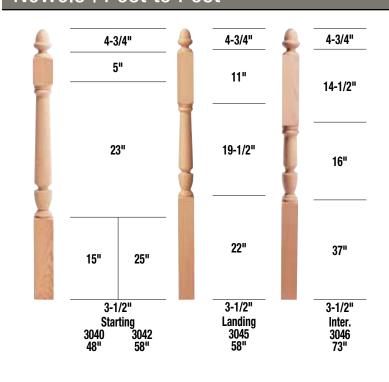
Square Top Balusters

Balusters come with removable pin



Newels I Over the Post





Carolina collection



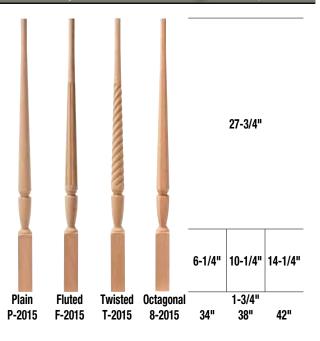


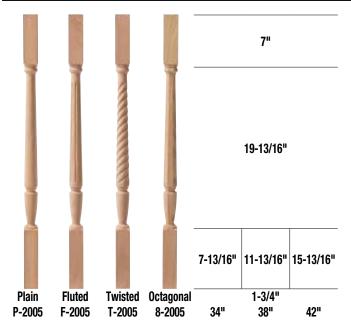
Pin Top Balusters

Balusters come with removable pin

Square Top Balusters

Balusters come with removable pin



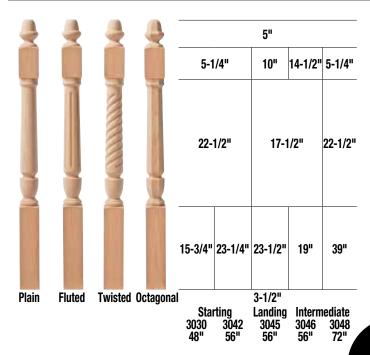


Newels I Over the Post

28" 15" 20" 32" 44" Plain Twisted Octagonal 3-1/2" Fluted Starting Landing 3010 3011 3015 3018

48"

60"



Creative Stair Parts



4500 Hampton Starting Newel Maple



Creative Stair Parts

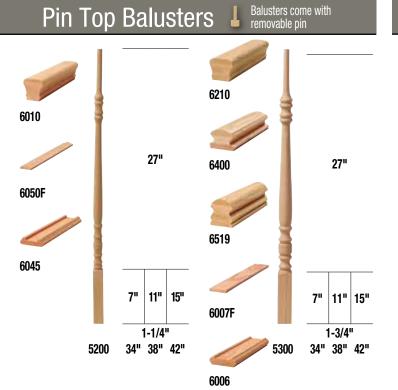
4270 Hampton Starting Newel Oak





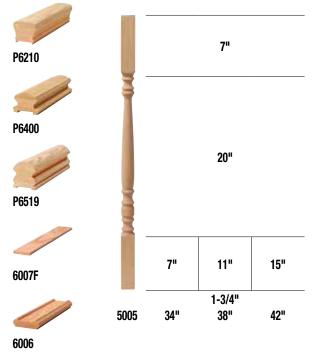


Creative Stair Parts



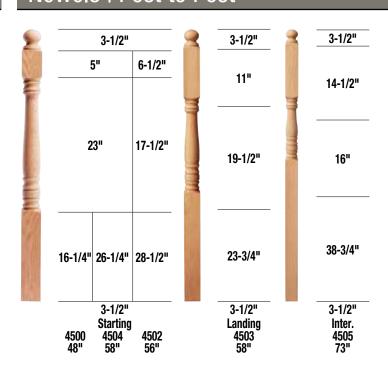
Square Top Balusters

Balusters come with



Newels | Over the Post

28" 15" 22" 30" 3-1/4" Starting Landing 4270 4275 43" 50" 58"

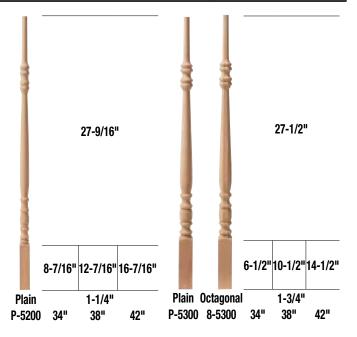






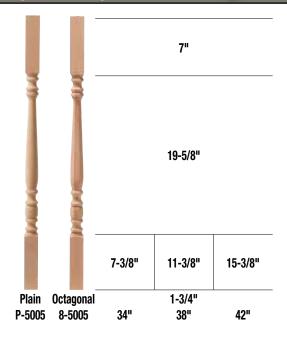


Balusters come with removable pin



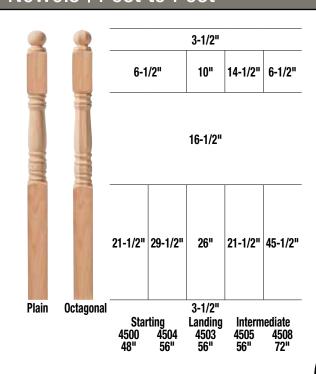
Square Top Balusters

Balusters come with



Newels | Over the Post

28" 15" 32" 20" 44" Plain **Octagonal** 3-1/2" Starting 4271 Landing Inter. 4275 60" 4278



Craftsman

Creative Stair Parts



S-4004 Craftsman Spade Top Starting Newel Oak



Craftsman

Creative Stair Parts

S-4004 Craftsman Spade Top Starting Newel Oak (Painted)



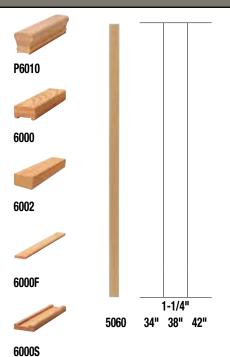




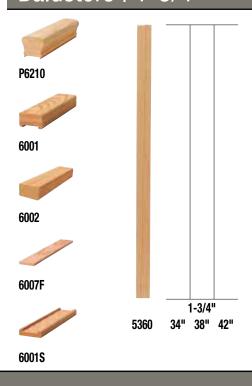
Craftsman

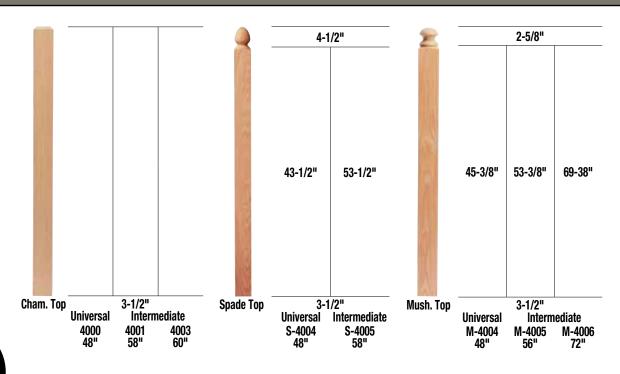
Creative Stair Parts

Balusters | 1-1/4"



Balusters | 1-3/4"

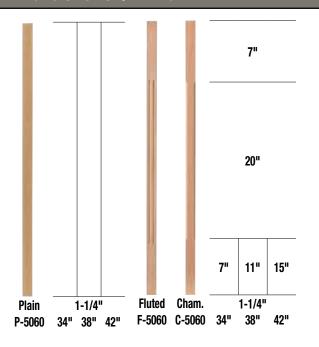




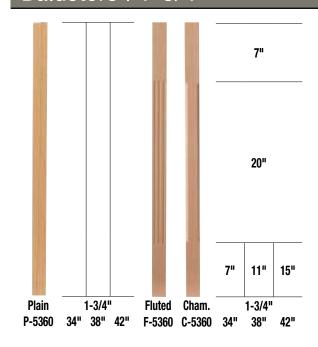
Craftsman collection

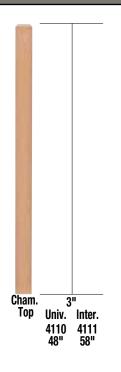
Creative Stair Parts

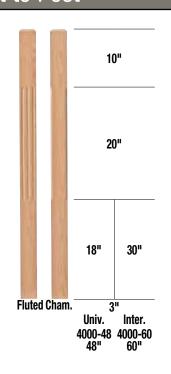
Balusters | 1-1/4"

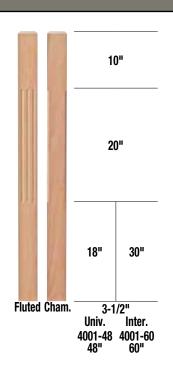


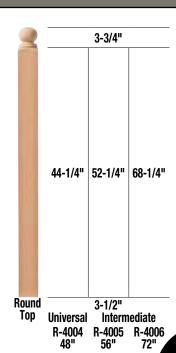
Balusters | 1-3/4"











Creative Stair Parts





Colonial collection

Creative Stair Parts

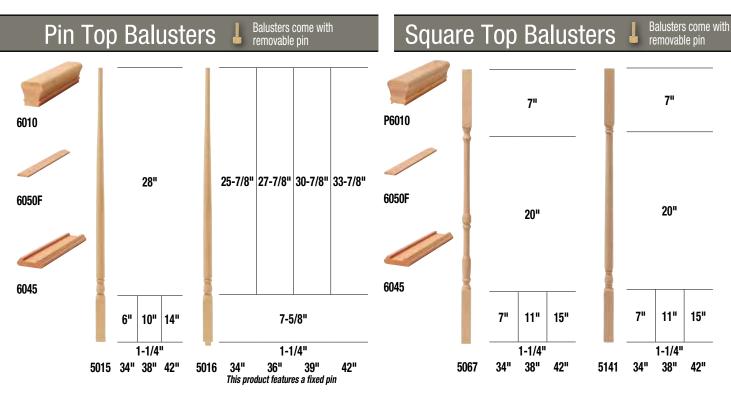
4180 Colonial Starting Newel Maple

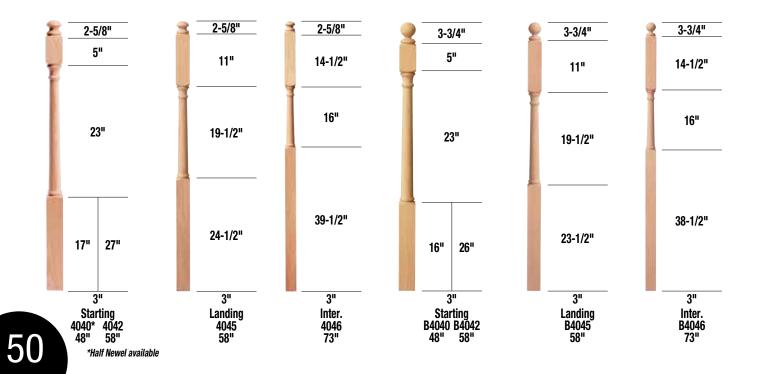






Creative Stair Parts







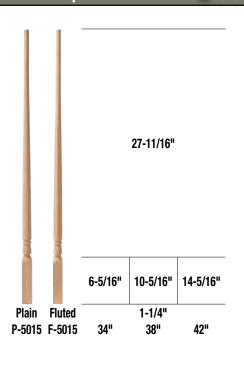


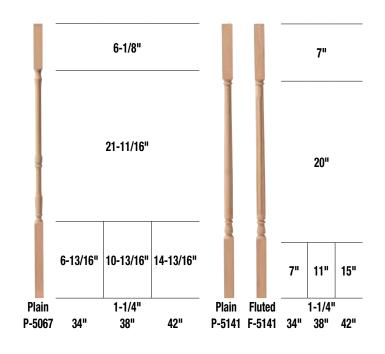
Pin Top Balusters

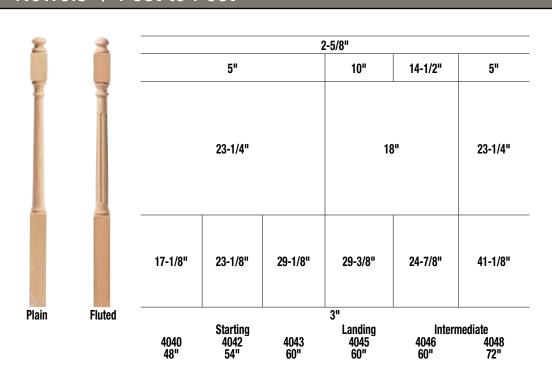
Balusters come with removable pin

Square Top Balusters

Balusters come with removable pin

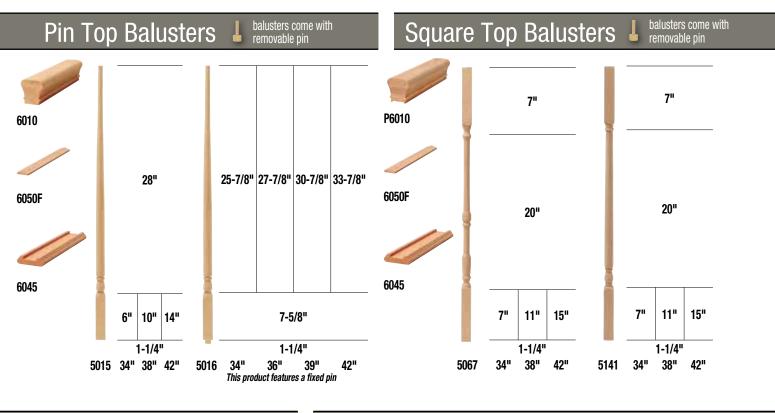






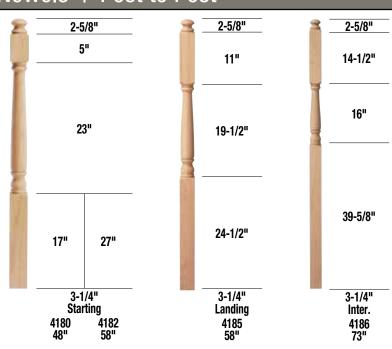


Creative Stair Parts

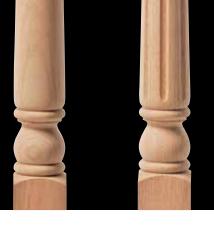


Newels | Over the Post

28" 28" 27" 15" 22" 30" Starting Landing 4010 4014 4015 4013 43" 43" 50" 58" 3" Rake 4013 43"





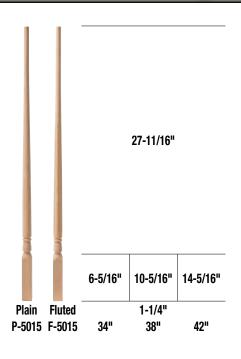


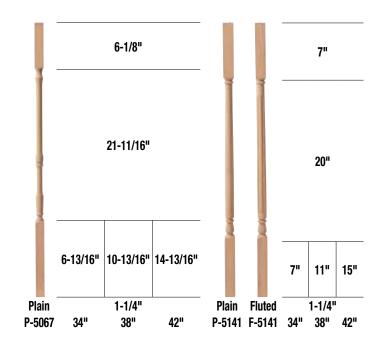
Pin Top Balusters

Balusters come with removable pin

Square Top Balusters

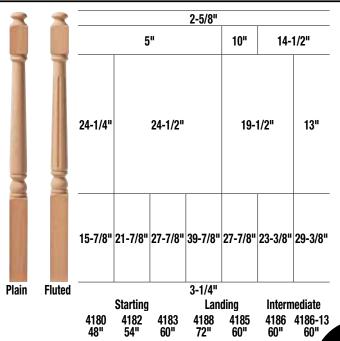
Balusters come with removable pin





Newels | Over the Post

28" 28" 20" 15" 20" 32" 44" Plain **Fluted** Fluted 3" Plain Starting Landing Rake 4010 4011 4015 4018 43" 48" 60" 72" 4013 48"





Quick. Easy. Precise. ZipBolt[™] makes rail connections EASY.

Rake

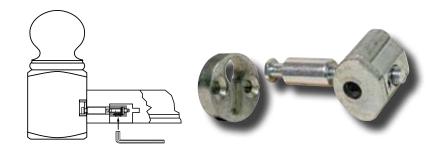
Connect hand rail to newel Angled ZipBolt™ A3001



Balcony

Connect level hand rail to newel

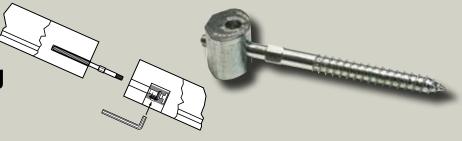
SlipFix ZipBolt™ 3001SF



Fitting

Connect hand rail to fitting or hand rail to hand rail

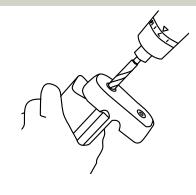
ZipBolt™ 3001SP



Drill Guide

Align and drill ZipBolt™ connection holes

ZipBolt™ Drill Guide 3001DG

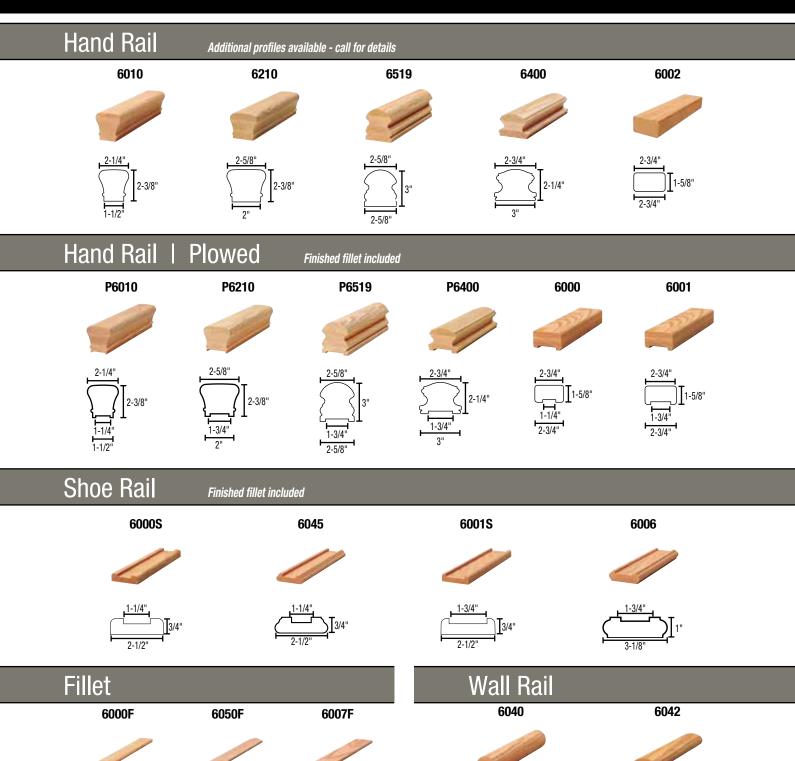






Rail collection

Creative Stair Parts



Fittings



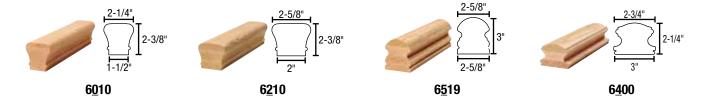


Install Fittings...Easily! see page 54 and 65

ZipBolt™ sold separately

Matching Hand Rails

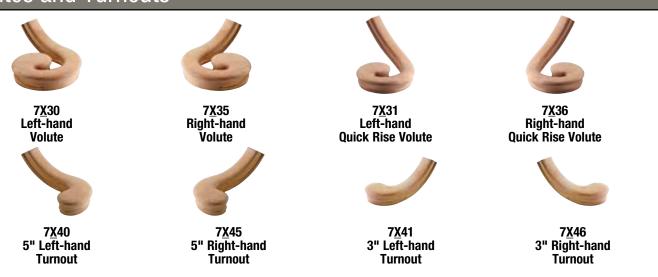
To match the selected hand rail, the second digit indicates the matching profile



Caps and Easings



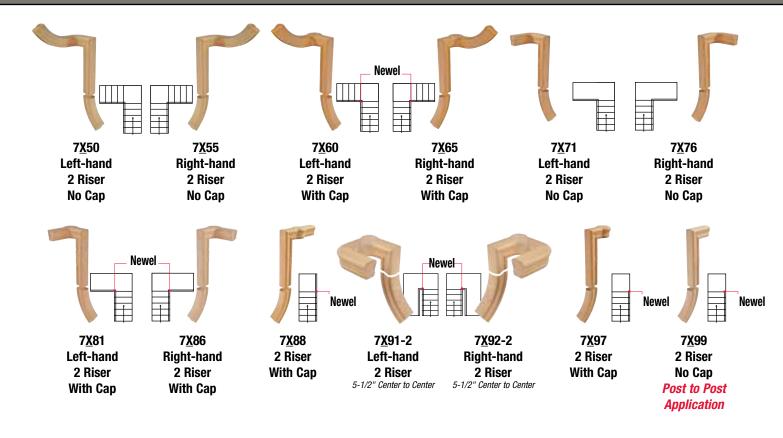
Volutes and Turnouts



Fittings

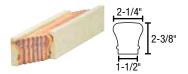
Greative Øt

Goosenecks

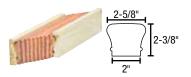


Bending Rails

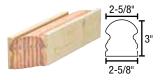
Bending mould included on all bending rail



B6010 7 Slices Radius: 30" on Rake 36" on Level

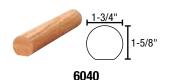


B6210 9 Slices Radius: 30" on Rake 36" on Level



B6519 8 Slices Radius: 54" on Rake 60" on Level

Wall Rails









Starting Steps

Creative Stair Parts

Each step is shipped with the necessary cove and shoe moulding to achieve a finished look.

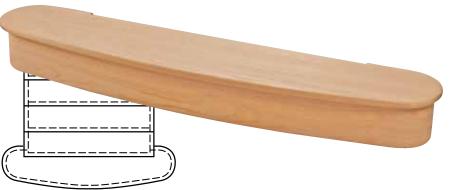
Standard length is 48". Longer lengths are also available.

Over the Post Systems

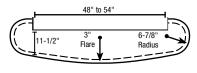
Hand Rail: 6010 | 6210 -USE- Starting Step: 8010 | 8015 | 8015A | 8015B -USE WITH- Standard Volutes and Turnouts Hand Rail: 6400 | 6519 -USE- Starting Step: 8310 | 8315 -USE WITH- Standard Volutes, Turnouts, and Quick Rise Volutes





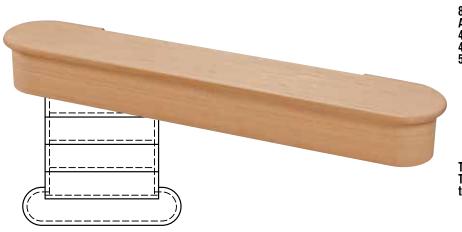


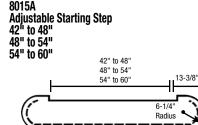
8015B Bowed Adjustable Starting Step 48" to 54"



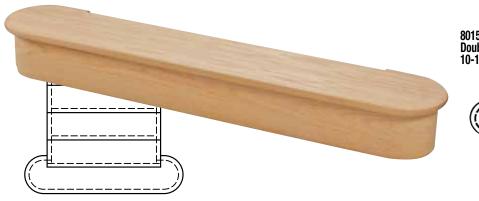
The bowed 8015 adjustable step is trimable within a 6" range. Throat opening begins with a smaller width but is trimable to larger width.

Starting Steps Creative Stair Parts

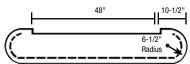


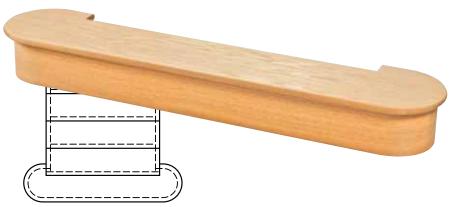


The 8015 adjustable is trimable within a 6" range. Throat opening begins with smaller width but is trimable to larger widths.

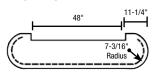


Double Bullnosed Starting Step 10-1/2" x 48"





8315 **Double Bullnosed Starting Step** 11-1/4" x 48"



RETROTREAD® RETRORISER®

Creative Stair Parts



RETROTREAD® RETRORISER®

Creative Stair Parts



RetroTread® 5/8" x 11-1/2" 36" | 42" | 48" | 60"

Red Oak | White Oak Hard Maple | Hickory Brazilian Cherry



RetroTread® Reversible Return Nosing 5/8" x 14-3/4"

Red Oak | White Oak Hard Maple | Hickory Brazilian Cherry



RetroRiser® 11/32" x 7-1/2" 36" | 42" | 48"

Red Oak | White Oak Hard Maple | Primed White Poplar Hickory | Brazilian Cherry

Treads & Risers

Creative Stair Parts

Treads



8070MR Reversible Mitered Return Tread 1-1/32" x 10-1/2" 42" | 48"

1-1/32" x 11-1/2" 42" | 48" | 54" | 60"

Reversible tread with miter on one end



8070MR2 Double Mitered Return Tread 1-1/32" x 10-1/2"

1-1/32" x 11-1/2" 42" | 48" | 54" | 60"

Tread with miters on both ends



8070 Plain Tread 1-1/32" x 10-1/2" 36" | 42" | 48" | 54" | 60"

1-1/32" x 11-1/2" 36" | 42" | 48" | 54" | 60" | 72" | 84" | 96"

Risers



8075 Riser 3/4" x 7-1/2" 36" | 42" | 48" | 60" | 72"

False Steps & Accessories

Creative Stair Parts

False Step Components





8179 Double Mitered Return False Tread and Riser Kit 7-1/2" x 12-1/2"

8279 Double Mitered Return False Tread and Riser Kit 7-1/2" x 13-1/2"

Open Stairway



Open Stairway





8076 Riser Cap 1/2" x 6" x 8"





8010-2 False End Starting Step

Cove and Shoe Included

Use a false end starting step when carpeting the center of a stairway.

Moulding



8078 False Tread Nosing 1-1/4" x 1-13/16"



8090 3-1/2" Landing Tread 1-1/16" x 3-1/2"

8091 5-1/4" Landing Tread 1-1/16 x 5-1/4"



8095 Cove Moulding 5/8" x 13/16"



8080 Nosing 1-1/4" x 1-1/32"

Tread Brackets



7029 Tread Bracket 7-1/2" x 11-1/2"



7028 Tread Bracket 7-1/2" x 11-1/2"

Rosettes



7026 Round Rosette 4-3/4"



7027 Oval Rosette 4-7/16" x 6-1/2"

7037 Oval Rosette 4" x 5-1/2"



7033 Rectangle Rosette 4-5/16" x 6"

Hardware



Newel Mounting Hardware

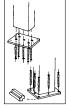








Newel Mounting Plate





3009 3" L-Bracket Post Fastener

3019 3-1/2" L-Bracket Post Fastener









3008-10 Newel Post Fastener 10-3/4"







FAST N Fas-N-Fast™ Newel Installation Kit

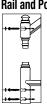




3070 Newel Post Fastener



3078 Rail and Post Fastener





3000 1" Tapered Plug

3026 1/2" Button Plug 50 pack



Baluster Hardware and Tools









3033 Baluster Screw Driver

3032 Rail Bolt Driver

Hardware

Creative Stair Parts

Rail Fasteners and Hardware



A3001 Rake Installation Angled ZipBolt

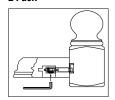


3001SF Balcony Installation Slipfix ZipBolt 2 Pack









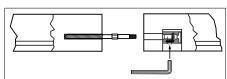


3001SP Fitting Installation ZipBolt

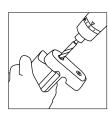


3001DG ZipBolt™ Drill Guide Kit











3001DR ZipBolt Driver





3001 Rail Bolt (no plug included)

3079 Rail Bolt Kit (plug included)

Wall Rail Bracket



3002H Wall Rail Bracket Wall to Centerline: 2-3/4"

Brass | Satin Nickel | Chrome | Black



Ordering post to post

Creative Stair Parts

1.	Skirtboard		Select skirtboard at 13" per tread plus any additional length beyond the first and last risers.
2.	Treads	pg. 62	Select one tread for each step. Open single stair: Select reversible mitered-return tread, adding 1-1/4" to the skirtboard to skirtboard measurement, then refer to the next longest length. Open both sides: Select double mitered-return treads (measure from finished outside to outside of the skirtboard).
			If carpet will be utilized, see false treads on page 63.
3.	Risers	pg. 62	Select one riser per step. For each flight of stairs, select one more riser than treads per flight to accommodate landing tread.
			If carpet will be utilized, see false risers on page 63.
4.	Landing Tread	pg. 63	For the width of stairs at each landing and the entire balcony, select sufficient lineal footage of landing tread. 8091 is suitable for all newels up to 4".
			Note: The use of box newels may require an additional wood strip.
5.	Cove Mould	pg. 63	Under all treads and landing treads (including mitered-returns), select sufficient lineal footage of cove moulding.
6.	Starting Newel	pg. 34-53	30" - 34" rake height: Use a 48" starting newel. 34" - 38" rake height: Use a 58" starting newel -OR- A box newel may be used. See Newel Length Applications for a Post to Post Stairway on page 67.
			Note: If the stairway will be open on both sides, two newels are required.
7.	Rake Newel		Use in the middle of a long hand rail run on the rake for added strength. Does not require a hand rail fitting.
8.	Intermediate		When not using a gooseneck, use an intermediate newel with a 14-1/2" top face.
	Newel		When using a gooseneck, use an intermediate newel with a 5" top face. See Newel Length Applications for a Post to Post Stairway on page 67.
			If using box newels, select an intermediate box newel.
9.	Landing Newel		36" balcony height: When not using a gooseneck, use a newel with an 11" top face. 42" balcony height: A gooseneck is required. Use a 48" newel with a 5" top face for surface mount when using a gooseneck. Where the newel is to extend below the floor surface, use a 58" newel with a 5" top face.
			If using a box newel, either a box newel or intermediate box newel may be used.
10.	Level Run Newel		Place a newel at every corner of the level run. If the run is 10 feet or more, place a newel at the midpoint of the run, or every 5 to 6 feet.
			Note: the newel should match the style selected for the transition from rake to level or rake to rake.
11.	Rosettes	pg. 63	Use a round rosette where the rail meets the wall on a level run. Use an oval or rectangular rosette for all angled rail to wall connections.
12.	Newel Mounting Hardware	pg. 64	Select a newel mounting kit for each newel post.
13.	Rake Balusters (three length system) Open Stairway	pg. 36-53	30" - 34" Rake Height: On each tread, use a 34" baluster for the first baluster and 38" balusters for the second and third. If using three balusters and a fitting, substitute a 42" baluster for the third baluster under each gooseneck.
	Wood		34" - 38" Rake Height: On each tread, use a 38" baluster for the first baluster and a 42" baluster for the second. If using three balusters, use a 38" for the first and second balusters, and a 42" for the third.
			Note: When using three balusters per tread for 34" - 38" rail height, the 42" baluster may not be long enough for use under a gooseneck.
	Rake Balusters (five length system)		30" - 34" Rake Height: Use a 34" baluster as the first baluster on the tread, a 36" baluster as the second, and a 39" baluster as the third.
	Öpen Stairway Wood		34" - 38" Rake Height: When installing two balusters per tread, use a 36" baluster as the first baluster on each tread, and a 42" baluster as the second. When installing three balusters per tread, use a 36" baluster as the first baluster on each tread, a 39" baluster as the second, and a 42" baluster as the third.
			Note: When using three balusters per tread for 34" - 38" rail height, the 42" baluster may not be long enough for use under a gooseneck.
	Rake Balusters Open Stairway Iron	pg. 8-27	30" - 34" and 34" - 38" Rake Heights: Use two or three 44" iron balusters per tread, trimming from the bottom to length. If an alternating pattern is desired, remember to keep that pattern in mind when calculating the number of balusters needed per stair.
			Note: Depending on selected style, three balusters may not fit on a single tread. Check building codes for spacing compliance.
	Rake Balusters Kneewall Wood	pg. 36-53	Placed on 4" to 6" centers, select the shortest available baluster at a rate of two or three balusters per tread. Subtract one baluster from the total number of balusters required (the starting newel replaces one baluster).
	Rake Balusters Kneewall Iron	pg. 8-27	Placed on 4" to 6" centers, select the desired balusters at a rate of two or three balusters per tread. Subtract one baluster from the total number of balusters required (the starting newel replaces one baluster). Trim from the bottom to achieve the desired length.

Ordering post to post



Creative Stair Parts®

14.	Level Run Balusters Wood	pg. 36-53	Three Length: 36" level run/balcony: Use 38" balusters. 42" level run/balcony: Use 42" balusters.
			Five Length: 36" level run/balcony: Use 36" balusters from our five length system.
			Placed on 4" to 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 run. Do not subtract any balusters for the newel under the gooseneck.
	Level Run Balusters	pg. 8-27	Select the 44" baluster and trim from the bottom to desired length.
	Iron		Placed on 4" to 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 run. Do not subtract any balusters for the newel under the gooseneck.
15.	Hand Rail	pg. 55	Calculate total lineal footage of hand rail required at a rate of 13" per tread, plus any additional rail needed for level runs.
16.	Wall Rail	pg. 55	If local building codes require, select wall rail at a rate of 13" per tread that is closed by a wall. Additionally, select one wall rail bracket for each end of the rail and at 2' to 3' intervals.
			Note: Non-plowed hand rail profiles may be used as wall rail. Make sure to check local building codes for space requirements between rail and wall.
17.	Goosenecks	pg. 57	If using a gooseneck fitting with an intermediate and/or landing newel, select a newel that has a 5" top face. Select a gooseneck that fits your stair type as illustrated in the fitting section.
18.	Miscellaneous Fittings	pg. 56-57	To create a continuous hand rail from the rake baluster, around a wall, and up the stair as wall rail, select "S" fittings or two level quarter turns.
19.	Shoe Rail for Kneewall Stair	pg. 55	Select shoe rail, calculating the required lineal footage at a rate of 13" per tread.
20.	Shoe Rail for Level Run	pg. 55	Select shoe rail, calculating the required lineal footage to cover the entire level run.
21.	Fillet	pg. 55	Select enough fillet to fill the space between balusters on all plowed hand rail and shoe rail.
22.	Baluster Screws (optional, but recommended)	pg. 64	Use one baluster screw for each baluster installed without shoe rail (open treads and level landings without shoe rail).
23.	Tread Brackets	pg. 63	If desired, select one stair bracket for each tread. If your stairway is open on two sides, two brackets per tread will be required. Brackets can only be used on an open stairway.
24.	Rake Shoe Iron ONLY	pg. 31	Select one rake shoe for each iron baluster (optional). A flat collar should be used on all level runs.
25.	Flat Shoe	pg. 30	Select one flat shoe for the bottom of each baluster.
	Iron ONLY		Open Stairway or Level Run: Select a flat shoe. Kneewall Stairway: Select a rake shoe.
26.	Hardware and Accessories		Select any additional hardware or accessories such as wood plugs (pg. 64), wall rail brackets (pg. 65), or epoxy (pg. 31) for iron installations.

Newel Length Applications for a Post to Post Stairway

Starting Newel (48" - 5" top face)	Use for a 30" to 34" rake rail height. If surface mounted, can be used as a balcony newel.
Starting Newel (58" - 5" top face)	Use for a 34" to 38" rake rail height. Can also be used as a balcony newel that extends below the floor surface.
Landing Newel (11" top face)	For use when not using a gooseneck. This newel will achieve a 36" balcony rail height.
Intermediate Newel (73" overall - 14-1/2" top face)	For use when not using a gooseneck.
Intermediate Newel (62" overall - 5" top face)	This newel may be used with a gooseneck.
Intermediate Newel (72" overall - 5" top face)	For use on intermediate landings that have two winder treads and a gooseneck.



Ordering over the post

Creative Stair Parts

1.	Skirtboard		Select skirtboard at 13" per tread plus any additional length beyond the first and last risers.
2.	Starting Step	pg. 58-59	For use with standard volutes or turnouts.
			Select a single or double bullnose starting step to match floor plan. To determine the appropriate step length, measure finished skirtboard from outside to outside.
			Note: If utilizing an iron starting newel, a starting step is required.
			If carpet will be utilized, see false starting steps on page 67.
3.	Treads	pg. 62	Select one tread for each step, except starting step.
			Open single stair: Select reversible mitered-return tread, adding 1-1/4" to the skirtboard to skirtboard measurement, then refer to the next longest length. Open both sides: Select double mitered-return treads (measure from finished outside to outside of the skirtboard).
			If carpet will be utilized, see false treads on page 67.
4.	Risers	pg. 62	Select one riser per step, excluding the starting step, then add one more riser than tread to accommodate the landing tread.
			If carpet will be utilized, see false risers on page 67.
5.	Landing Tread	pg. 63	For the width of stairs at each landing and the entire balcony, select sufficient lineal footage of landing tread. 8091 is suitable for all newels up to 4"
			Note: The use of box newels may require an additional wood strip.
6.	Cove Mould	pg. 63	Under all landing treads and treads (including mitered-returns), select sufficient lineal footage of cove moulding.
7.	Starting Fitting	pg. 56	Select the preferred style of starting fitting: volute, turnout, or starting easing with cap.
8.	Starting Newel (43") Wood	pg. 36-53	A 43" starting newel may be used anywhere, except the corner of a landing on an L-shaped stairway.
	Starting Newel (50") Wood		Use a 50" starting newel on a balcony where the newel will extend below the floor surface. This newel may also be used under the starting easing with cap when a starting step is not used and the hand rail is 34" or higher.
	Starting Newel Iron	pg. 28-29	Iron newels can only be used as starting newels at the bottom of the stair as they require a starting step for installation. If a stairway is open on both sides, two newels are required.
9.	Landing Newel Wood	pg. 36-53	58" landing newels may be used at the corner of an L-shaped stairway. Use a 72" landing newel in a two winder landing stairway.
10.	Level Run Newel Wood		If a level run is 10' or longer, use the 43" newel, every 5 to 6 feet under a tandem cap. Place a newel at every corner under a quarter turn with cap fitting.
			Use a 50" newel to extend the newel below the floor surface.
11.	Rosettes	pg. 63	Use a round rosette where the rail meets the wall on a level run. Use an oval or rectangular rosette for all angled rail to wall connections.
12.	Newel Mounting Hardware	pg. 64	Select a newel mounting kit for each newel post.
13.	Balusters Volutes and Turnouts Wood	pg. 36-53	30" - 34" Rake Rail Height: Volutes: Use four or six 1-1/4" -OR- four 1-3/4" 38" balusters. Turnouts: Use two 1-1/4" -OR- one 1-3/4" 42" balusters.
			34" - 38" Rake Rail Height: Volutes: Use four or six 1-1/4" -OR- four 1-3/4" 42" balusters. Turnouts: Use two 1-1/4" -OR- one 1-3/4" 42" balusters.
	Balusters Volutes and Turnouts Iron	pg. 8-27	Volutes: Use six 44" iron balusters, trimming to length from the bottom. Turnouts: Use two 44" iron balusters, trimming to length from the bottom.
			Note: Wide baluster styles, such as the 451, cannot be used under a volute or turnout.
	Balusters Starting Easing with Cap Wood	pg. 36-53	30" - 34" Rake Rail Height: One 38" baluster 34" - 38" Rake Rail Height: One 42" baluster
	Balusters Starting Easing with Cap Iron	pg. 8-27	Use one 44" iron baluster beneath the starting easing, trimming to length from the bottom.
	Rake Balusters (three length system) Open Stairway Wood	pg. 36-53	30" - 34" Rake Height: On each tread, use a 34" baluster for the first baluster and 38" balusters for the second and third. If using three balusters and a fitting, substitute a 42" baluster for the third baluster under each gooseneck.
			34" - 38" Rake Height: On each tread, use a 38" baluster for the first baluster and a 42" baluster for the second. If using three balusters, use a 38" for the first and second balusters, and a 42" for the third.
			Note: When using three balusters per tread for 34" - 38" rail height, the 42" baluster may not be long enough for use under a gooseneck.

Ordering over the post





	Rake Balusters		30" - 34" Rake Height:
	(five length system) Open Stairway		Use a 34" baluster as the first baluster on the tread, a 36" baluster as the second, and a 39" baluster as the third.
	Wood		34" - 38" Rake Height: When installing two balusters per tread, use a 36" baluster as the first baluster on each tread, and a 42" baluster as the second. When installing three balusters per tread, use a 36" baluster as the first baluster on each tread, a 39" baluster as the second, and a 42" baluster as the third.
			Note: When using three balusters per tread for 34" - 38" rail height, the 42" baluster may not be long enough for use under a gooseneck.
	Rake Balusters 34" Rake Heights Open Stairway	pg. 8-27	30" - 34" and 34" - 38" Rake Heights: Use two or three 44" iron balusters per tread, trimming from the bottom to length. If an alternating pattern is desired, remember to keep that pattern in mind when calculating the number of balusters needed per stair.
	Holl		Note: Depending on selected style, three balusters may not fit on a single tread. Check building codes for spacing compliance.
	Rake Balusters Kneewall Stairways Wood	pg. 36-53	Placed on 4" to 6" centers, select the shortest available baluster at a rate of two or three balusters per tread. Subtract one baluster from the total number of balusters required (the starting newel replaces one baluster).
	Rake Balusters Kneewall Stairways Iron	pg. 8-27	Placed on 4" to 6" centers, select the desired balusters at a rate of two or three balusters per tread. Subtract one baluster from the total number of balusters required (the starting newel replaces one baluster). Trim from the bottom to achieve the desired length.
14.	Level Run Balusters Wood	pg. 36-53	Three Length: 36" level run/balcony: Use 38" balusters. 42" level run/balcony: Use 42" balusters.
			Five Length: 36" level run/balcony: Use 36" balusters from our five length system.
			Placed on 4" to 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 run. Do not subtract any balusters for the newel under the gooseneck.
	Level Run Balusters	pg. 8-27	Select the 44" baluster and trim from the bottom to desired length.
	Iron		Placed on 4" to 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 run. Do not subtract any balusters for the newel under the gooseneck.
15.	Hand Rail	pg. 55	Calculate total lineal footage of hand rail required at a rate of 13" per tread, plus any additional rail needed for level runs.
16.	Wall Rail	pg. 55	If local building codes require, select wall rail at a rate of 13" per tread that is closed by a wall. Additionally, select one wall rail bracket for each end of the rail and at 2' to 3' intervals.
			Note: Non-plowed hand rail profiles may be used as wall rail. Make sure to check local building codes for space requirements between rail and wall.
17.	Goosenecks	pg. 57	Match each corner of floor plan to a corresponding gooseneck. Select a gooseneck that fits your stair type as illustrated in the fitting section.
18.	Miscellaneous Fittings	pg. 56-57	To create a continuous hand rail from the rake baluster, around a wall, and up the stair as wall rail, select "S" fittings or two level quarter turns.
19.	Shoe Rail for Kneewall Stair	pg. 55	Select shoe rail, calculating the required lineal footage at a rate of 13" per tread.
20.	Shoe Rail for Level Run	pg. 55	Select shoe rail, calculating the required lineal footage to cover the entire level run.
21.	Fillet	pg. 55	Select enough fillet to fill the space between balusters on all plowed hand rail and shoe rail.
22.	Baluster Screws (optional, but recommended)	pg. 64	Use one baluster screw for each baluster installed without shoe rail (open treads and level landings without shoe rail).
23.	Tread Brackets	pg. 63	If desired, select one stair bracket for each tread. If your stairway is open on two sides, two brackets per tread will be required. Brackets can only be used on an open stairway.
24.	Rake Shoe Iron ONLY	pg. 31	Select one rake shoe for each iron baluster (optional). A flat collar should be used on all level runs.
25.	Flat Shoe	pg. 30	Select one flat shoe for the bottom of each baluster.
	Iron ONLY		Open Stairway or Level Run: Select a flat shoe. Kneewall Stairway: Select a rake shoe.
26.	Hardware and Accessories		Select any additional hardware or accessories such as wood plugs (pg. 64), wall rail brackets (pg. 65), or epoxy (pg. 31) for iron installations.

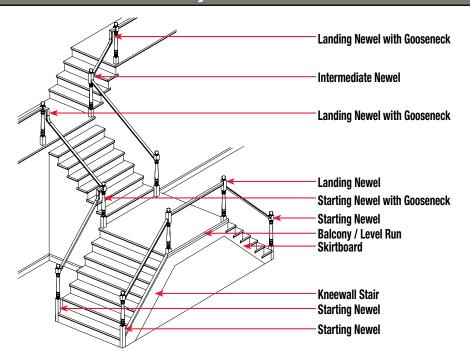
Newel Length Applications for an Over the Post Stairway

Starting Newel (43")	Use under starting fittings or as a surface mounted balcony newel.
Starting Newel (50")	Use under starting easings with cap when a starting step is not used. Also may be used to achieve a rake height of 34" or higher. This newel may be used on a balcony when the newel is to extend below the floor surface.
Landing Newel (58")	Use on intermediate landings.
Landing Newel (72")	For use on intermediate landings that have two winder treads.

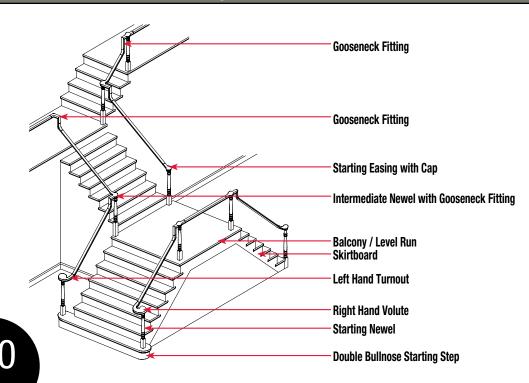
Stairway Anatomy

Creative Stair Parts

Post to Post Stairway



Over the Post Stairway



Definitions

Creative Stair Parts

<u>**90 Degree Upeasing**</u> Upeasing that quickly transitions hand rail from level to vertical.

Baluster Decorative vertical member of a balustrade system. Balusters are usually 1-1/4", 1-5/8" or 1-3/4" square.

<u>Balustrade</u> Hand rail system located on the open side of a stairway that consists of newel post, balusters, and rail components.

Box Newel Type of newel that is usually constructed like a box, often having a hollow center. Box newels are usually square rather than turned on a lathe.

<u>Carriage</u> A supporting member running the length of the stairway on which treads, risers, and balustrade are mounted (also referred to as rough stringers or rough horses).

Coped End Fitting Hand rail fitting with one end coped to match the profile of a fitting cap. When attached to the hand rail on one end and a cap on the other, the installer can build special angle fittings.

Cove Mould Decorative trim which is used to cover the joint between the tread/riser and the landing tread/landing face.

<u>False Riser</u> Economical alternative to a full riser. Riser cap is installed over a portion of the rough framed riser to simulate the look of a solid riser. Ideal for center carpeted stairways.

False Tread Economical alterative to a full tread. Tread cap is installed over a portion of the rough framed tread on the open side of a stairway to simulate the look of a solid tread. Ideal for center carpeted stairways.

<u>Fillet</u> Decorative wood strips used to fill the plow between balusters on plowed hand rail and plowed shoe rail.

Gooseneck Fitting consisting of one or two upeasings, one rail drop, and one or two level fitting components. Used to make transitions at landings.

<u>Hand Rail</u> Portion of the balustrade system which sits on top of the balusters and is supported by the newel posts.

Hand Rail Fittings Components that make transitions in hand rail height or pitch. Also allows the hand rail to run over the newel post. Components attach to the hand rail and are profiled to match the hand rail pattern.

Intermediate Landing Platform separating flights of stairs.

<u>Intermediate Newel Post</u> Newel post at the corner of an intermediate landing where two rake rails meet.

Kneewall Wall on the balustrade system side of the stair that extends just a few inches above the nose of the treads. The balustrade system attaches to the kneewall and adjacent framing members.

Landing Newel Newel post at the top of a flight of steps, located at the point where a rake hand rail and a level hand rail intersect.

<u>Landing Tread</u> Moulding used to give the appearance of a tread with nosing at the top riser of a flight of stairs and along the open edge of second floor balconies and intermediate landings.

Newel Post Major support post in balustrade system. Newel posts are located at the bottom and top of flights of stairs, as support posts in long balustrade lengths on second floor landings, and at direction changes.

Pin Top Balusters Balusters with a turned area that extend to the top of the baluster. They are connected to the hand rail by inserting the round top of the baluster into a hole drilled in the bottom of the hand rail.

Riser Vertical component of a step which your toe might hit when walking on a stairway.

Rosette Decorative piece used where the hand rail meets a wall.

Second Floor Landing Floor area at the top of a stairway. The second floor landing is commonly referred to as the balcony.

Shoe Mould Decorative moulding used to cover the joint between the bottom riser and the floor.

Shoe Rail Plowed bottom rail of a balustrade system, which houses the bottom block of a baluster.

Skirtboard Decorative trim board used in carriage built stairways to trim the area of the carriage on the open side of the stairway and as a moulding on the closed side of the stairway.

Square Top Balusters Balusters that are square on the top and bottom. Fits securely in a plowed hand rail.

Starting Easing Fitting used as a decorative beginning at the bottom of a wall rail.

Starting Fitting Decorative beginning to an over the post hand rail system.

Starting Newel Newel used at the bottom of a stairway.

Starting Step Bottom tread and riser of a stair. Starting steps often have rounded ends, called bullnoses, that extend beyond the carriage of the stairway. Bullnosed starting steps are necessary for over the post balustrades beginning with volutes or turnouts.

<u>Tread</u> The part of a step that is walked on.

<u>Tread Bracket</u> Decorative piece mitered to the riser and fastened on the side of an open skirtboard.

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