

# Creative Stair Parts®



Check back  
FREQUENTLY for  
new ideas, tips,  
and innovations



Product Info | Ideas  
Videos | Guidelines

## Introducing the "Gallery App" on Apple App Store!

- Makes take offs quicker and easier
- Gives customers a great visual instead of individual components or a catalog
- Provides customers with focused product selection
- Download the App from the I-Tunes App Store



For more information on the  
Creative Stair Parts Gallery App,  
visit  
[www.creativestairparts.com](http://www.creativestairparts.com)  
or email  
[creativesales@empireco.com](mailto:creativesales@empireco.com)



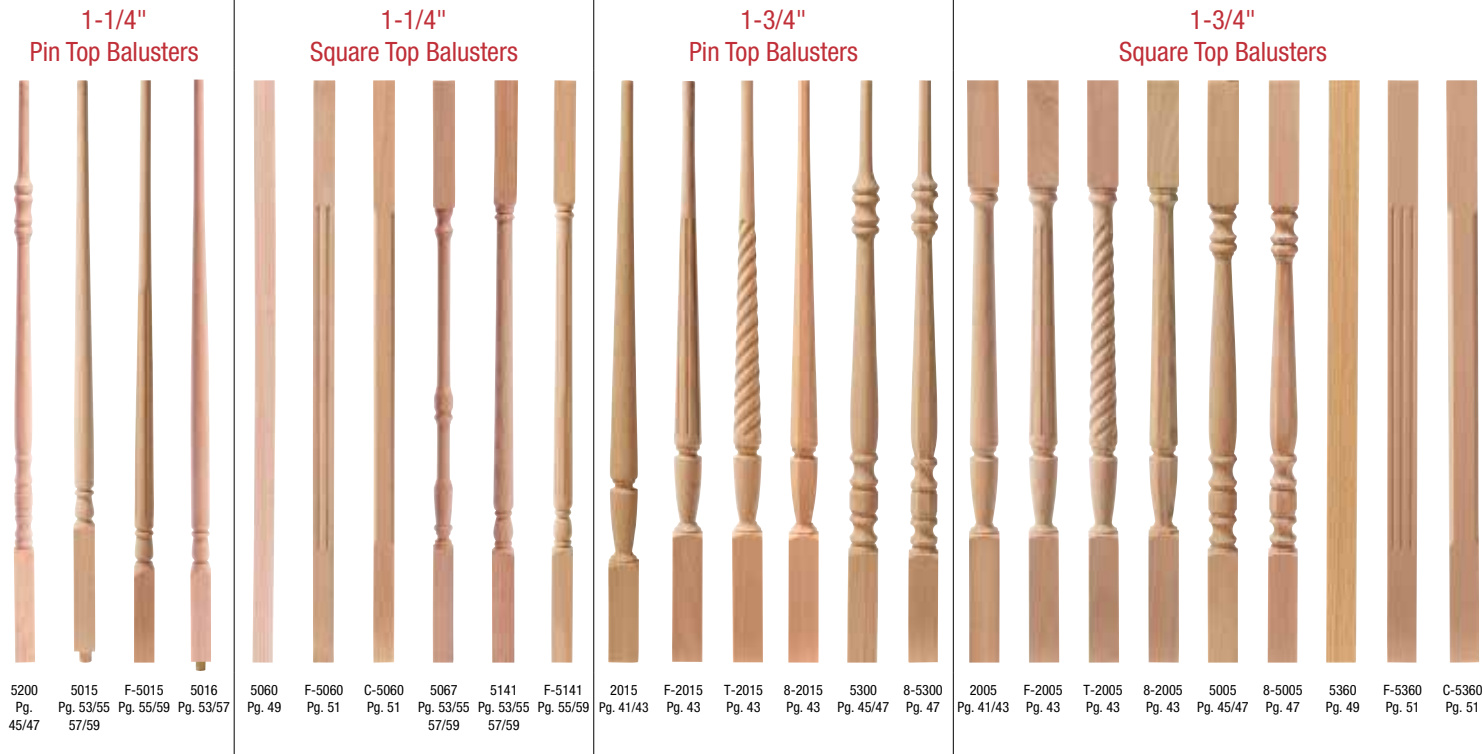
Creative Stair Parts has fully stocked warehouses ready to service your stair concept-to-build needs.  
Contact a Creative Stair Parts Representative at: 888.282.4343

— Above photo from Zeeland, MI warehouse

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## Balusters



## Post to Post Newels



## Over the Post Newels



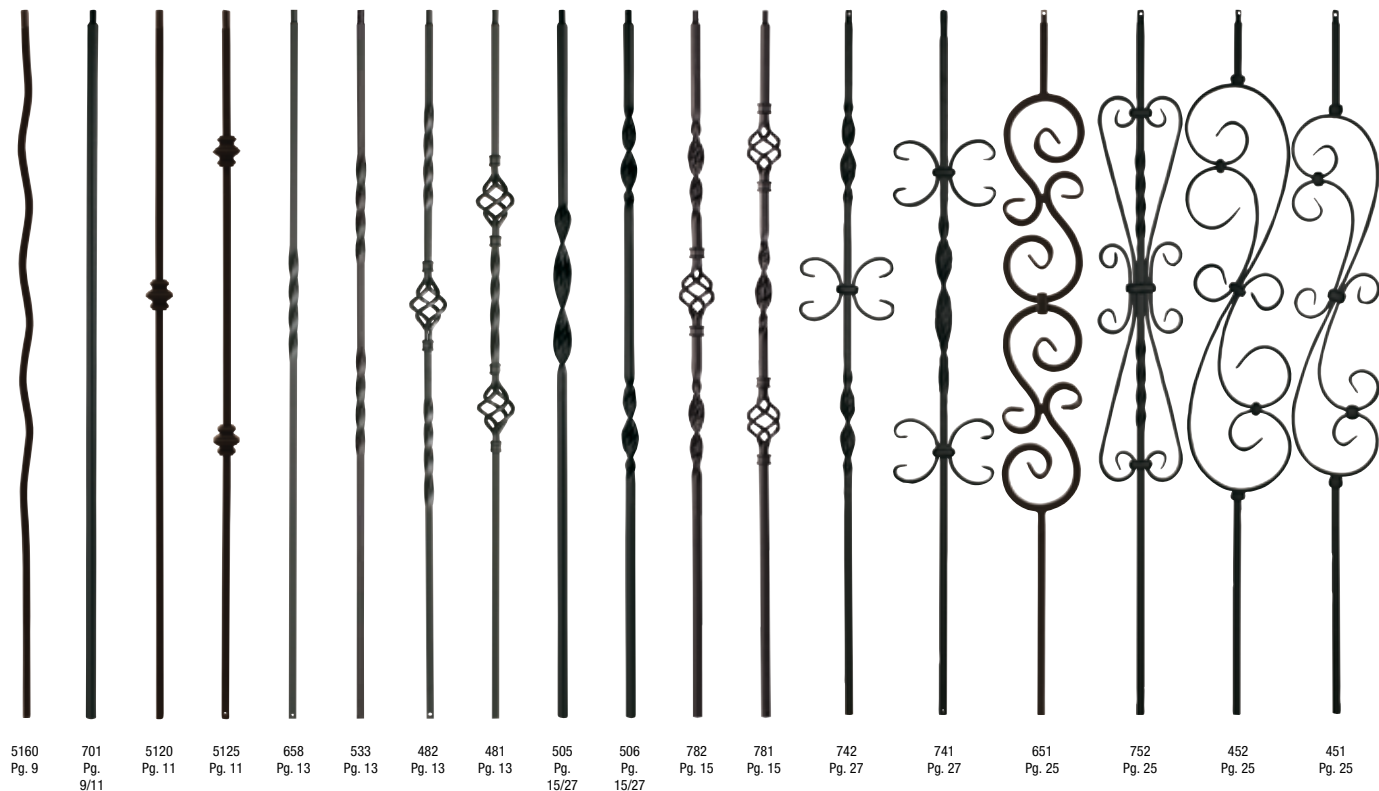
## Box Newels



## Iron Balusters

All iron balusters are hollow  
Finishes may vary

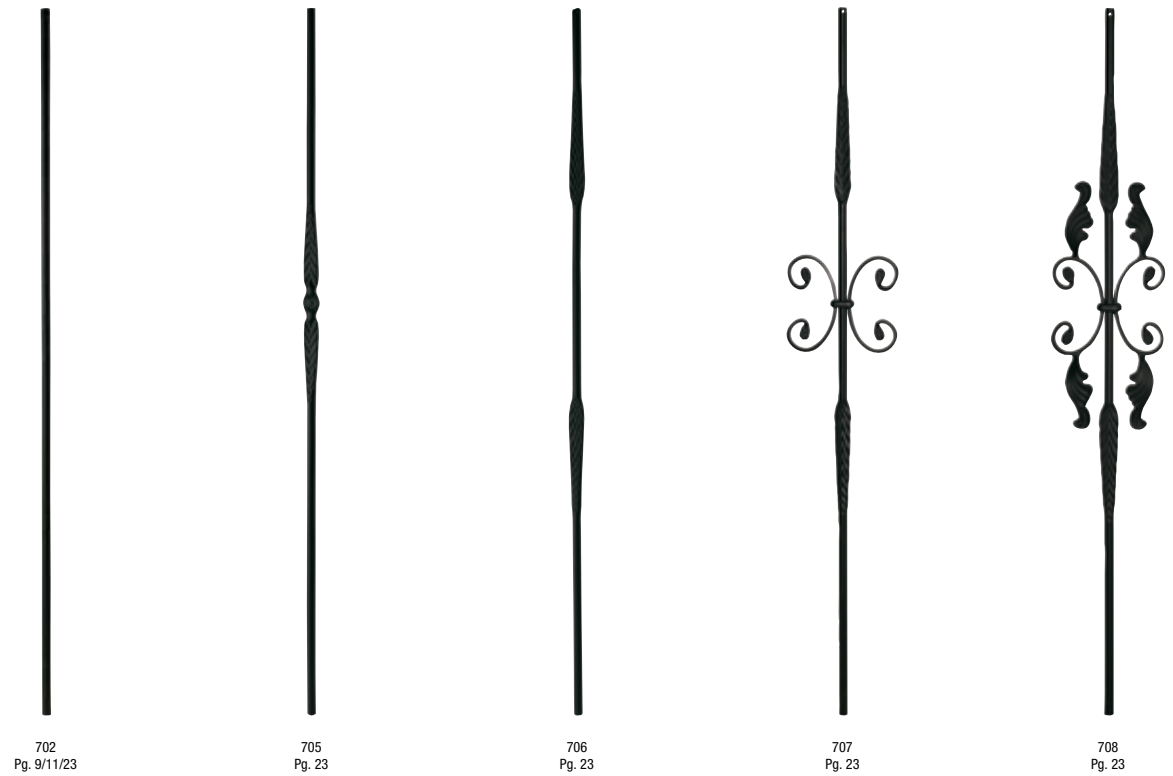
### Smooth



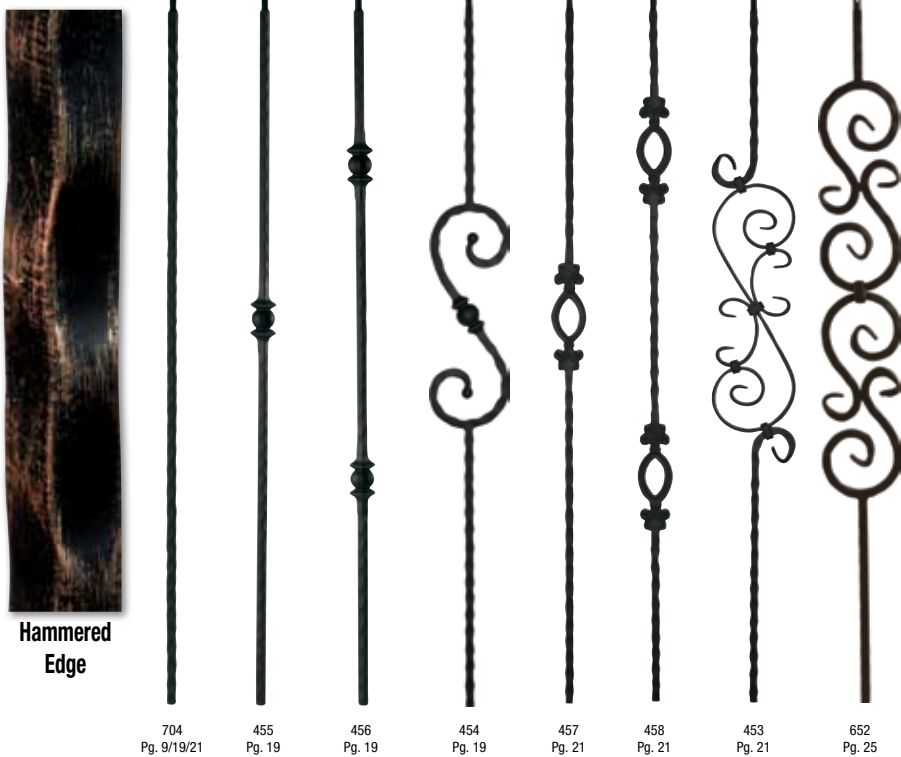
## Iron Balusters

All iron balusters are hollow  
Finishes may vary

### Round Shaft



### Hammered Edge



Hammered Edge

### Hammered Face

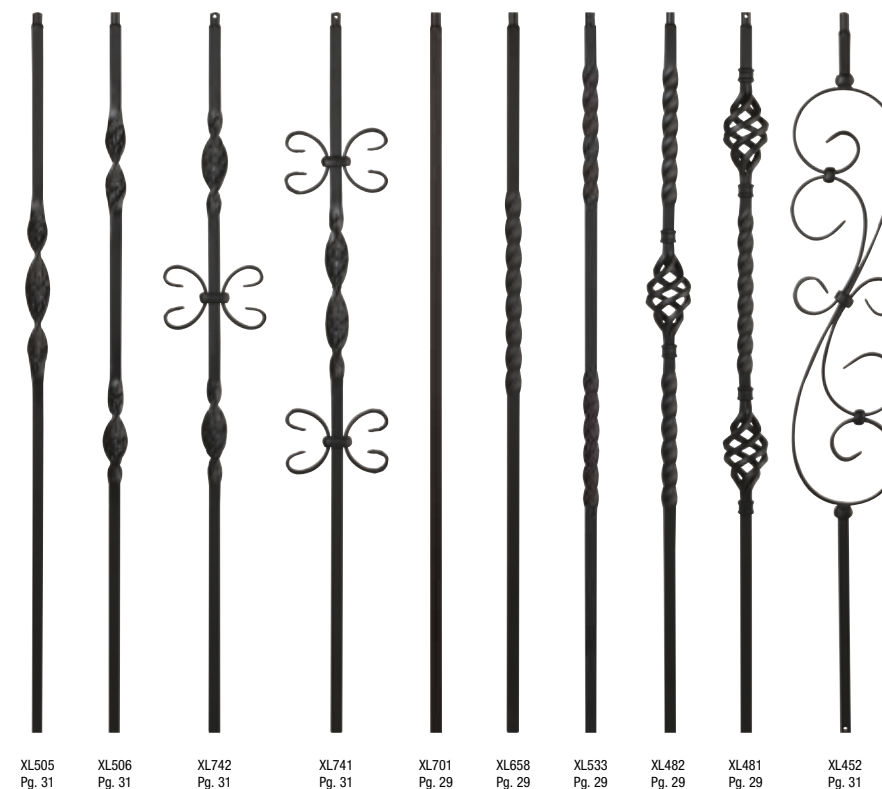


Hammered Face

## XL Iron Balusters

All iron balusters are hollow  
Finishes may vary

### 3/4" Shaft



## Iron Newels

Finishes may vary

### 1-3/16" Shaft



Satin Black  
(SB) SKU (M)



Matte Nickel  
(MN) SKU (N)



Antique Bronze  
(AB) SKU (B)



Oil Rubbed Bronze  
(ORB) SKU (Z)



Oil Rubbed Copper  
(ORC) SKU (R)



Silver Vein  
(SV) SKU (S)



44"  
□  
5160 | 1/2"  
SB



44"  
□  
701 | 1/2"  
SB AB ORB ORC SV MN



44"  
⊙  
702 | 9/16"  
SB ORB



44"  
□  
703 | 9/16"  
SB ORB ORC



Hammered Face



44"  
□  
704 | 9/16"  
SB ORB



Hammered Edge

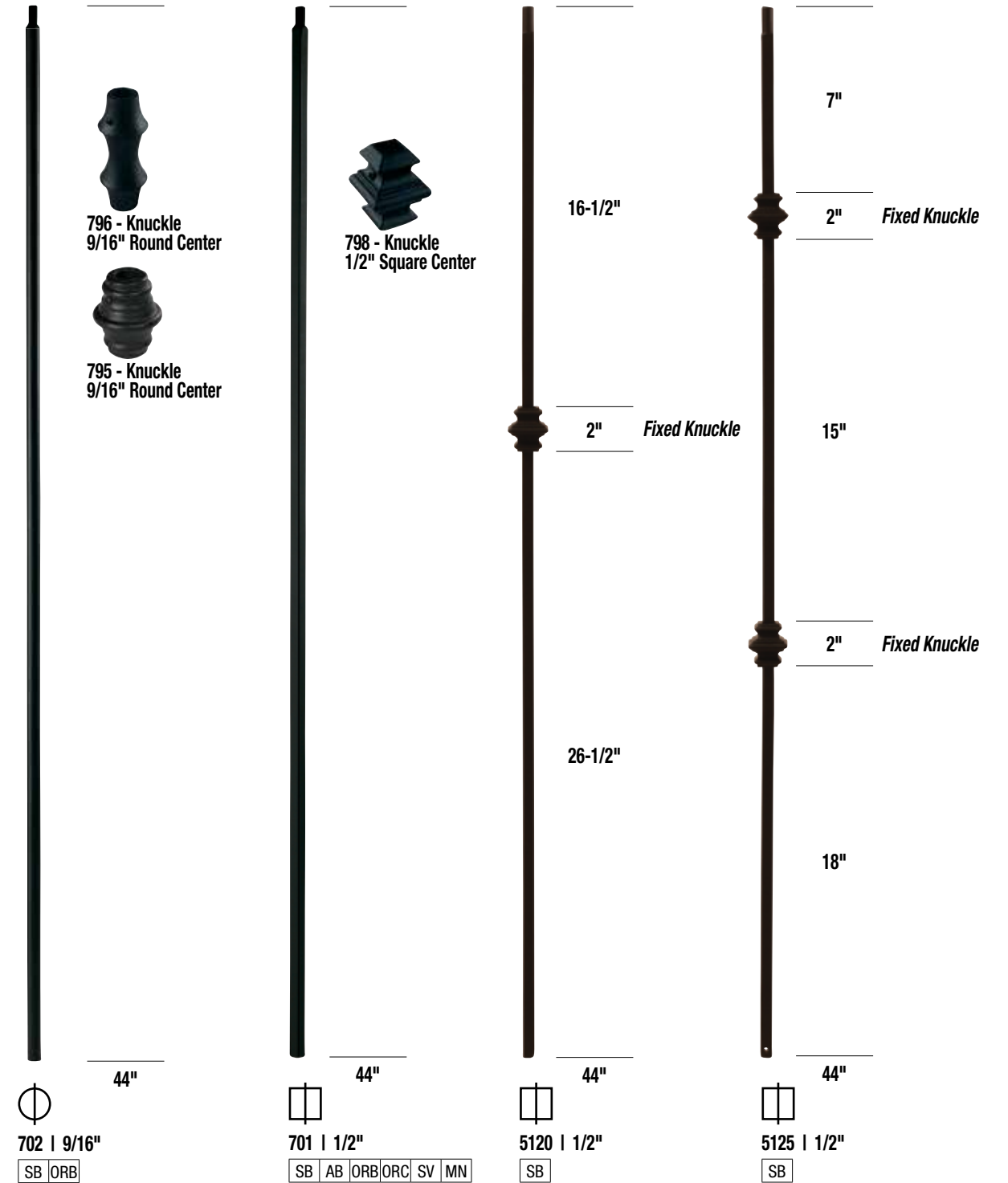




**Featured Products:**

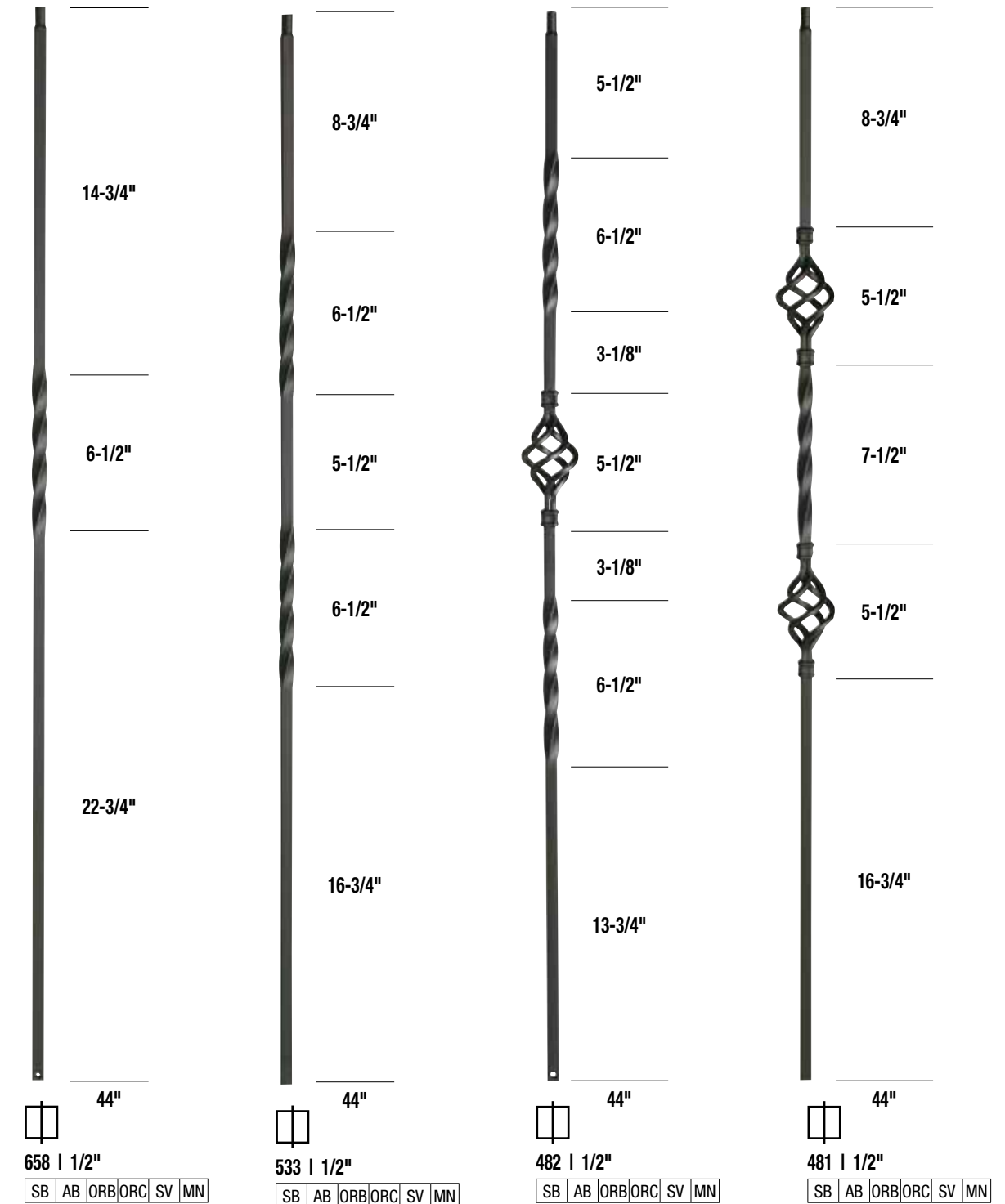
- 701 Plain Baluster - Satin Black
- 798 Iron Knuckle - Satin Black
- 02 Rake Shoe - Satin Black
- 06 Flat Shoe - Satin Black
- 4040 Colonial Newel - Oak
- 6010 Hand Rail - Oak

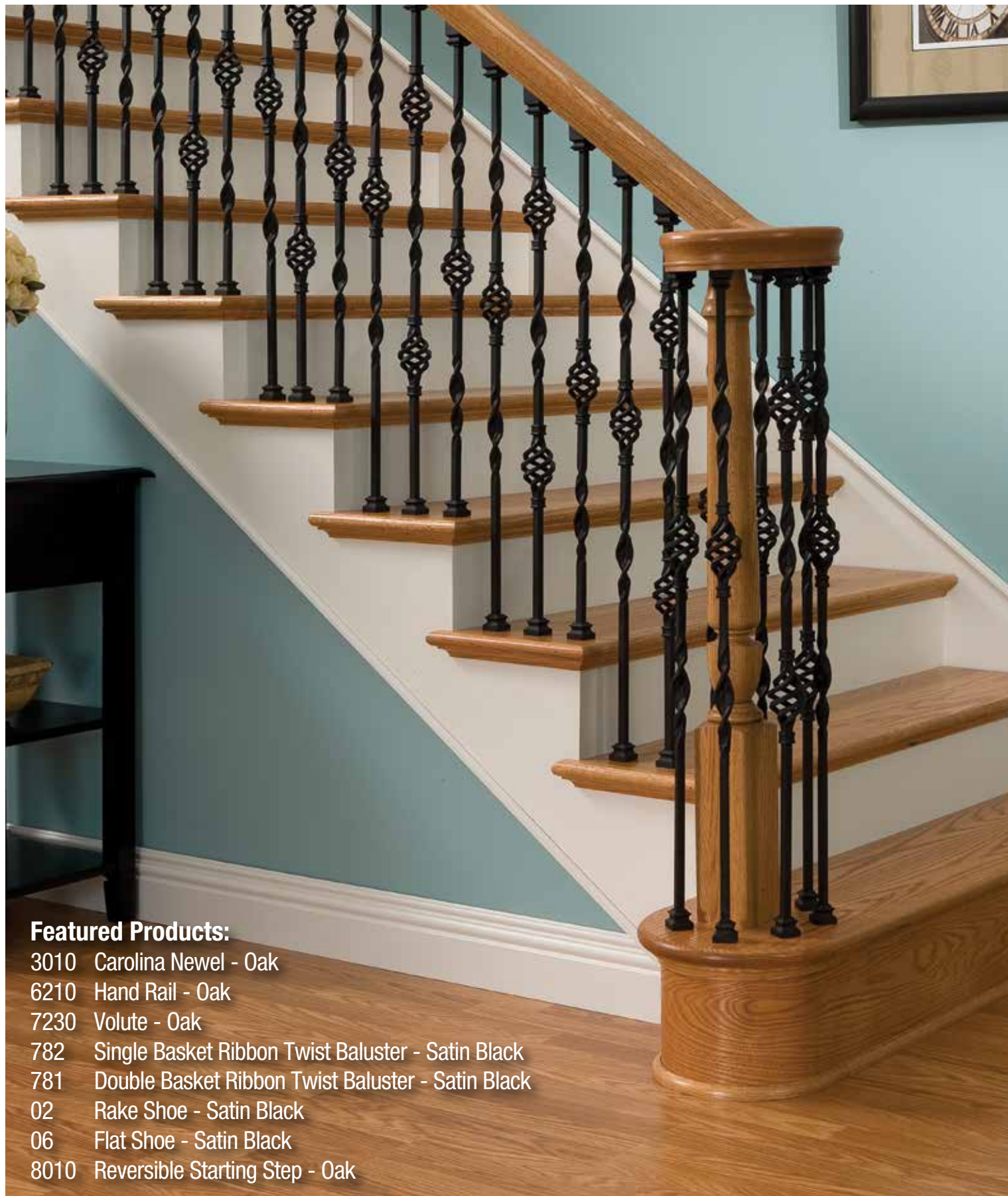
Note: Adjustable Knuckles allow you to create your own personal style.



### Featured Products:

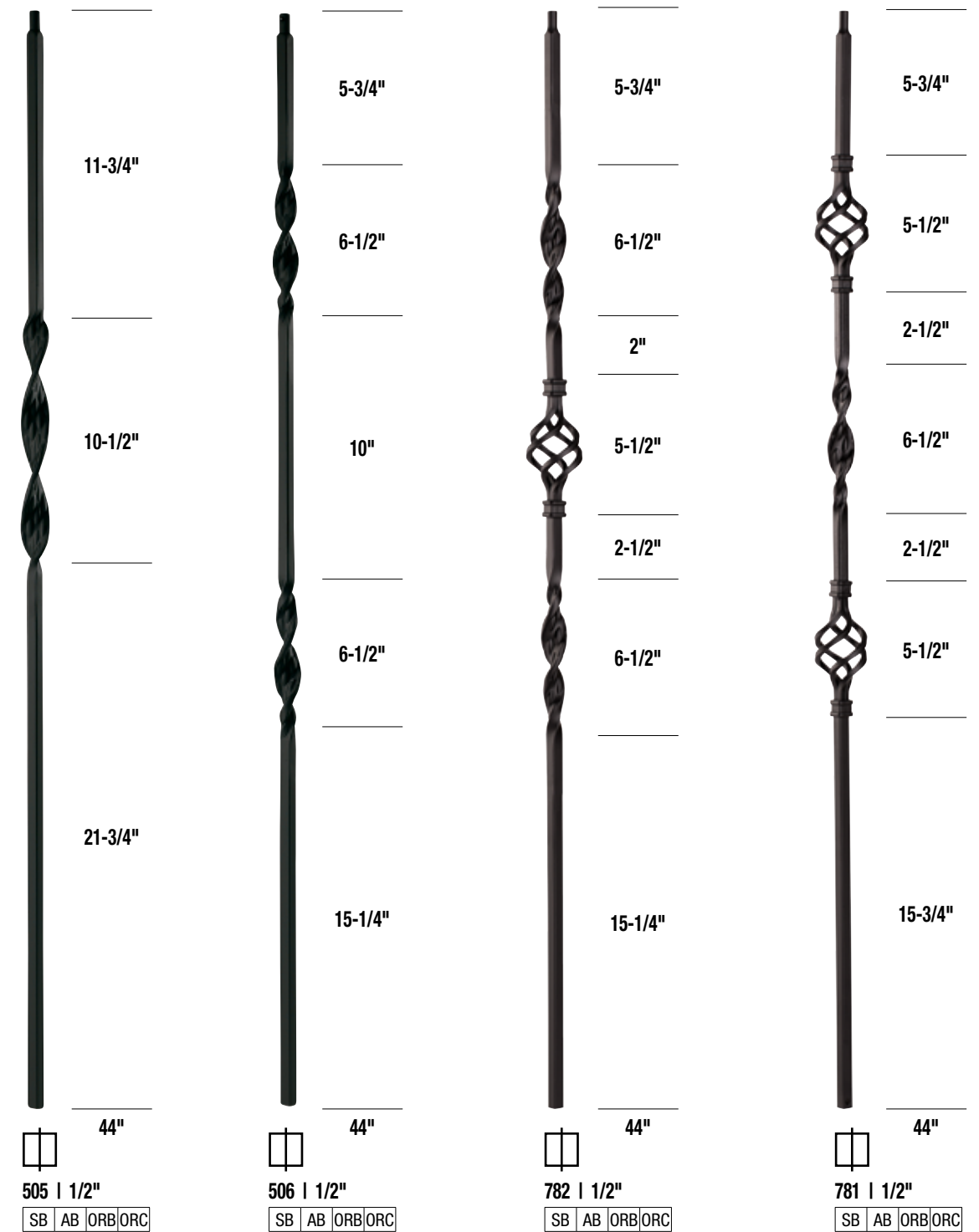
- 533 Double Twist Baluster - Oil Rubbed Copper
- 482 Single Basket Baluster - Oil Rubbed Copper
- 02 Rake Shoe - Oil Rubbed Copper
- 06 Flat Shoe - Oil Rubbed Copper
- 4091 Box Newel - Oak
- 6519 Hand Rail - Oak





**Featured Products:**

- 3010 Carolina Newel - Oak
- 6210 Hand Rail - Oak
- 7230 Volute - Oak
- 782 Single Basket Ribbon Twist Baluster - Satin Black
- 781 Double Basket Ribbon Twist Baluster - Satin Black
- 02 Rake Shoe - Satin Black
- 06 Flat Shoe - Satin Black
- 8010 Reversible Starting Step - Oak



02 - Baluster Rake Shoe



06 - Baluster Flat Shoe



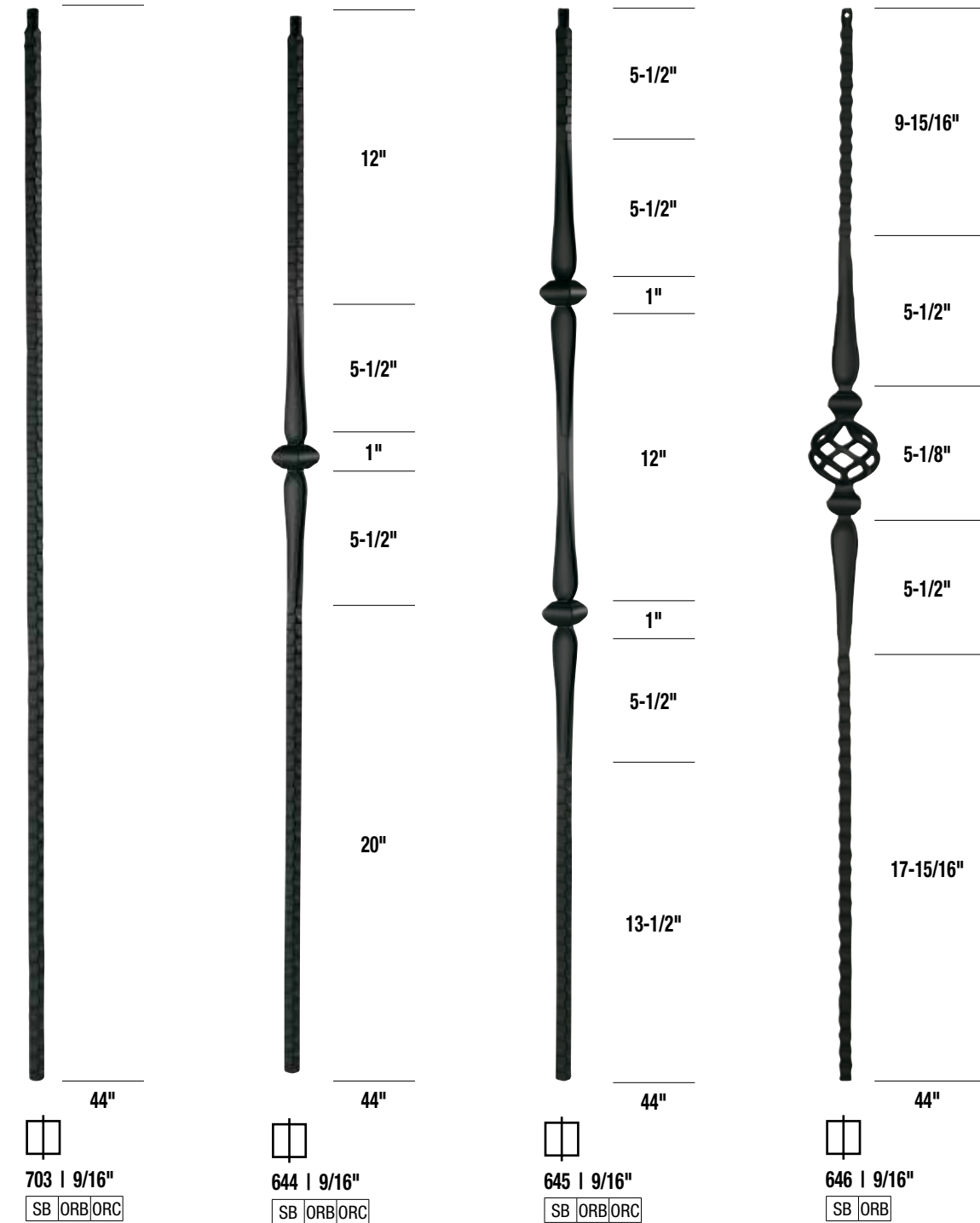


**Featured Products:**

- 645 Double Collar Baluster - Satin Black
- 646 Collar Basket Baluster - Satin Black
- 03 Rake Shoe - Satin Black
- 07 Flat Shoe - Satin Black
- 4091 Box Newel - Oak
- 6519 Hand Rail - Oak



Hammered Face



03 - Baluster Rake Shoe



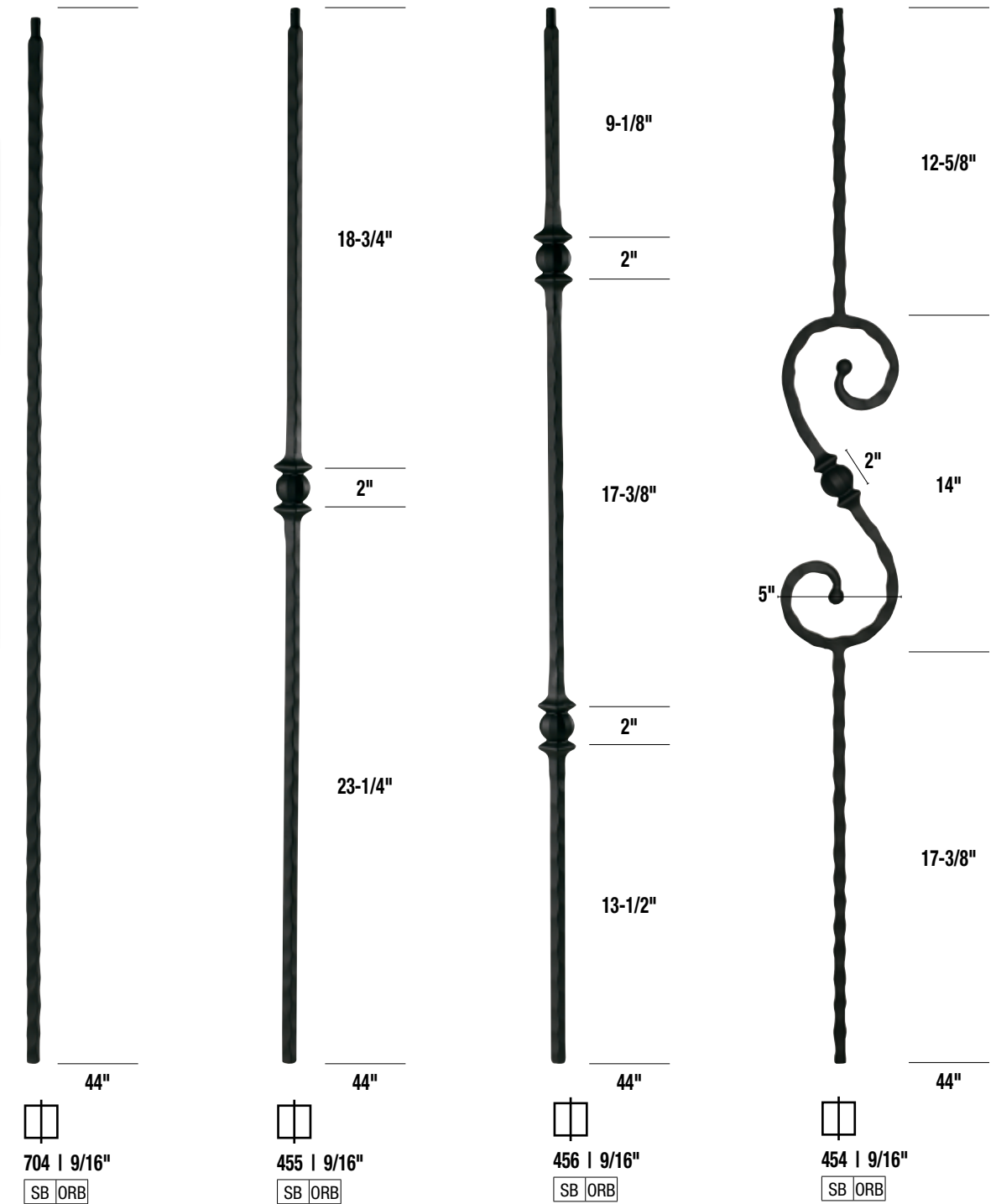
07 - Baluster Flat Shoe

### Featured Products:

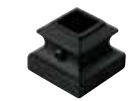
- 455 Single Sphere Baluster - Satin Black
- 456 Double Sphere Baluster - Satin Black
- 454 Sphere Scroll Baluster - Satin Black
- 03 Rake Shoe - Satin Black
- 07 Flat Shoe - Satin Black
- 4040 Colonial Newel - Maple
- 6010 Hand Rail - Maple



Hammered Edge



03 - Baluster Rake Shoe



07 - Baluster Flat Shoe

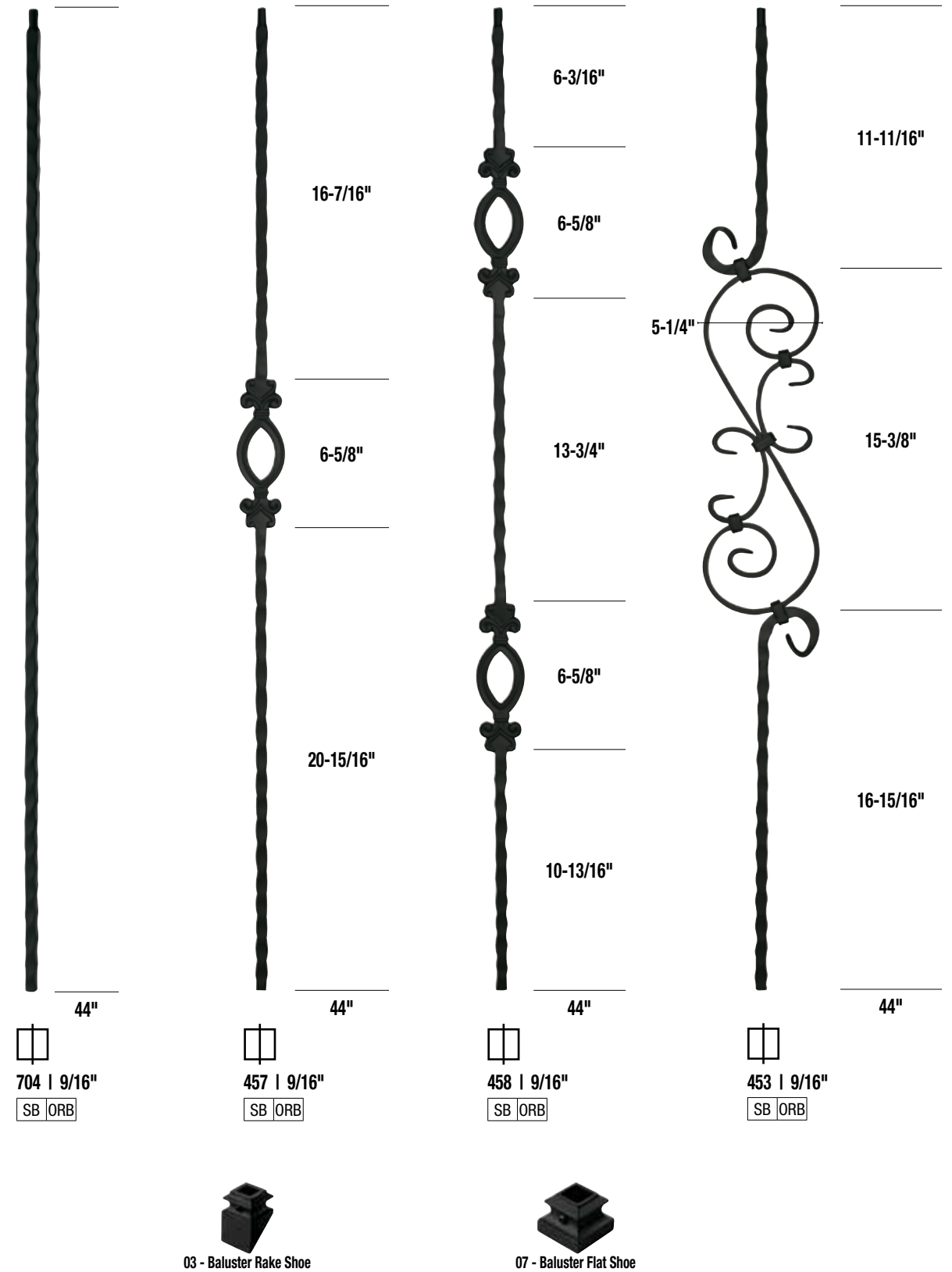


**Featured Products:**

- 704 Hammered Edge Plain Baluster - Satin Black
- 458 Double Eyelet Baluster - Satin Black
- 03 Rake Shoe - Satin Black
- 07 Flat Shoe - Satin Black
- 3010 Carolina Newel - Oak
- 6010 Hand Rail - Oak
- 7030 Volute - Oak
- 8010 Reversible Starting Step - Oak



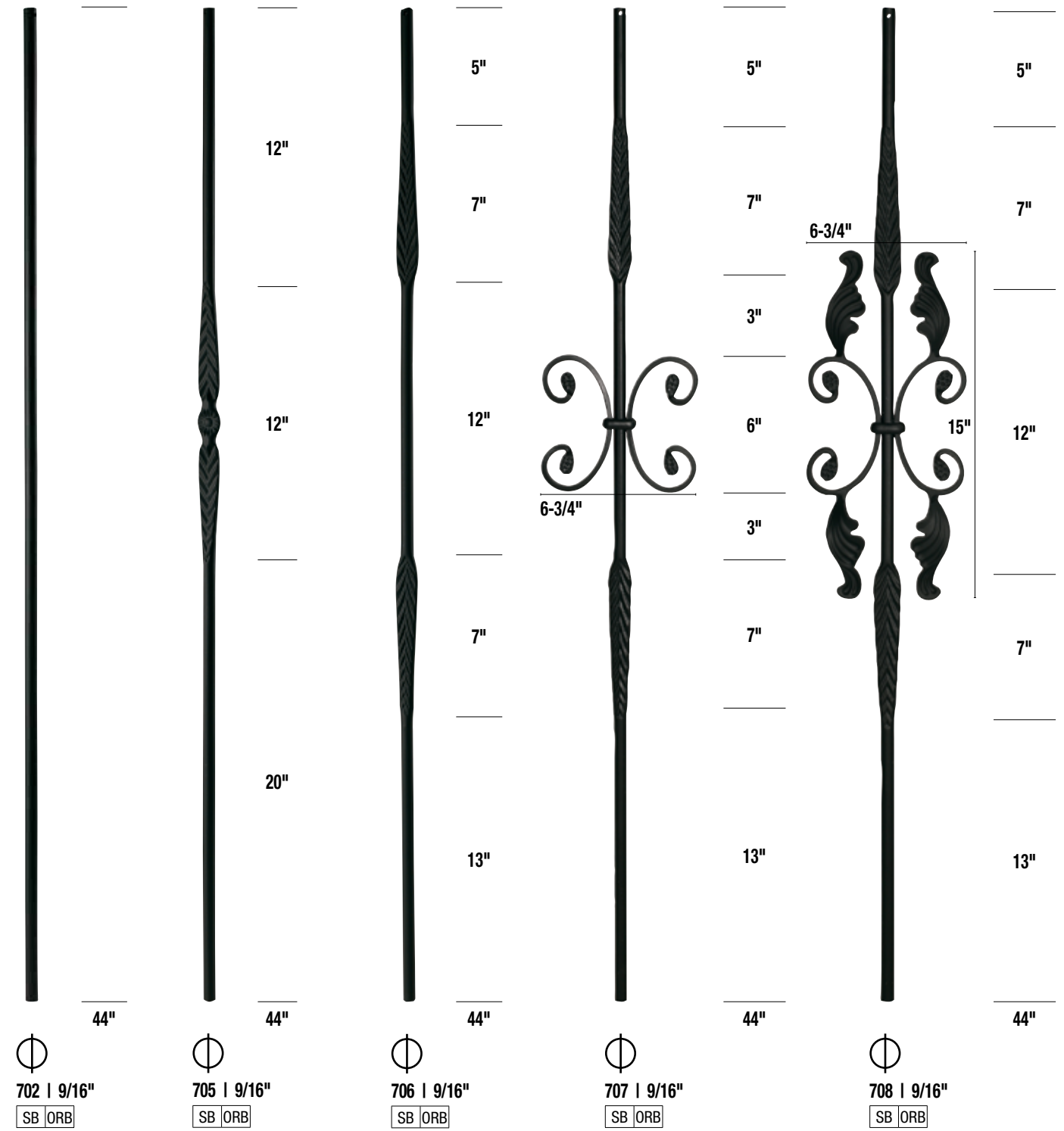
Hammered Edge





### Featured Products:

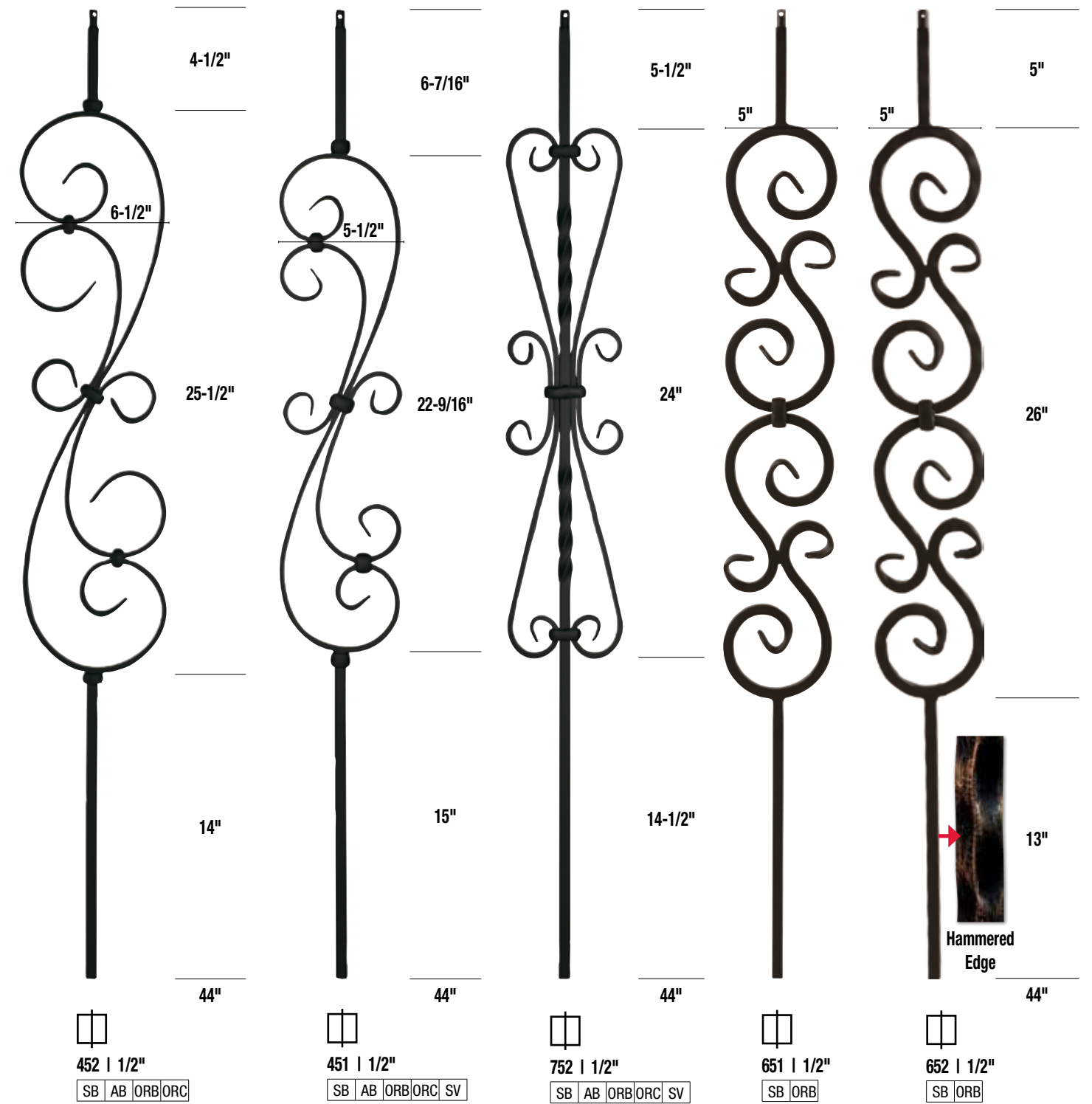
- 705 Dart & Feather Baluster - Satin Black
- 706 Dart & Feather Baluster - Satin Black
- 707 Dart & Feather Baluster - Satin Black
- 792 Rake Shoe - Satin Black
- 799 Flat Shoe - Satin Black
- P-4291 Box Newel - Oak
- 6210 Hand Rail - Oak





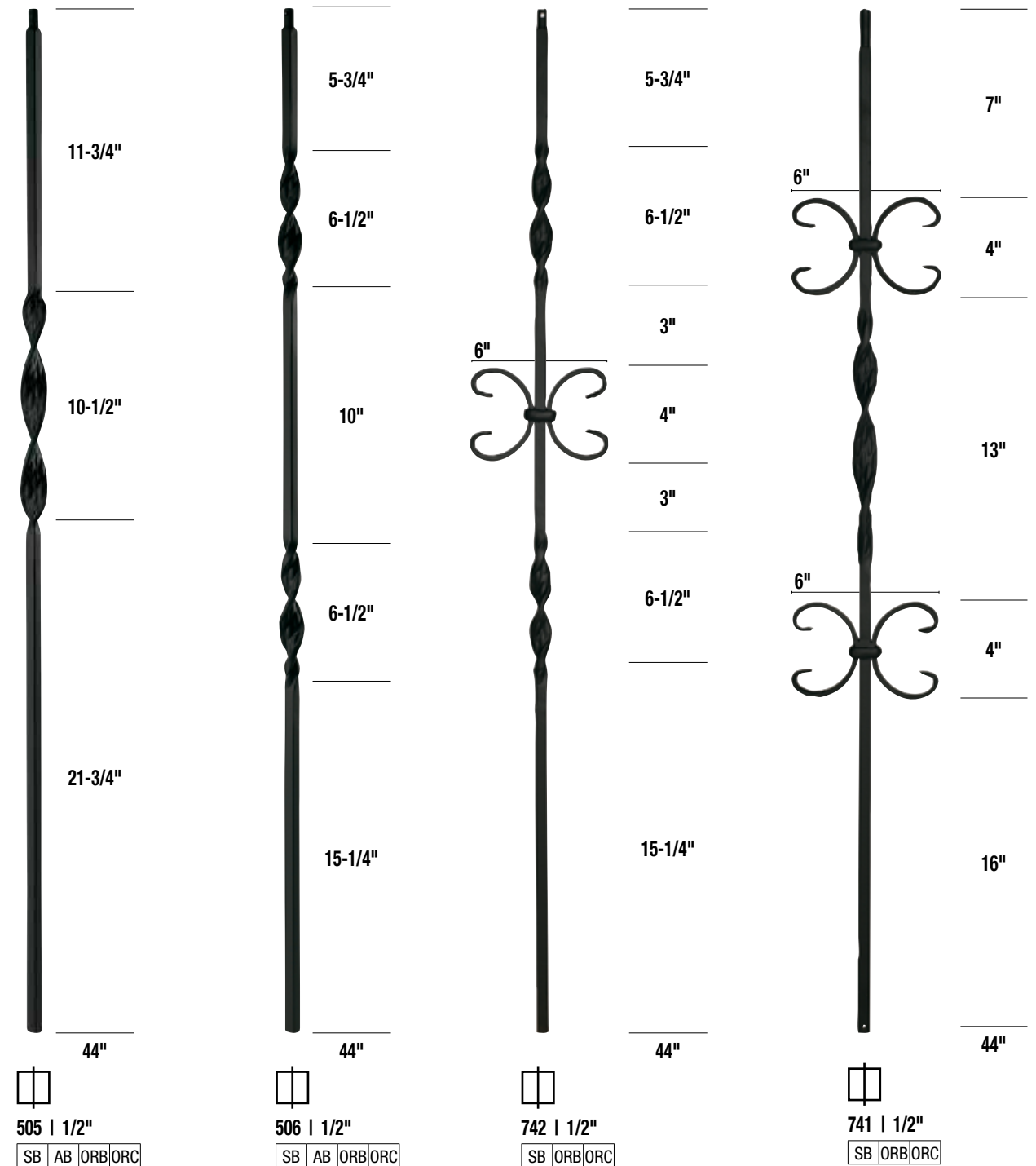
**Featured Products:**

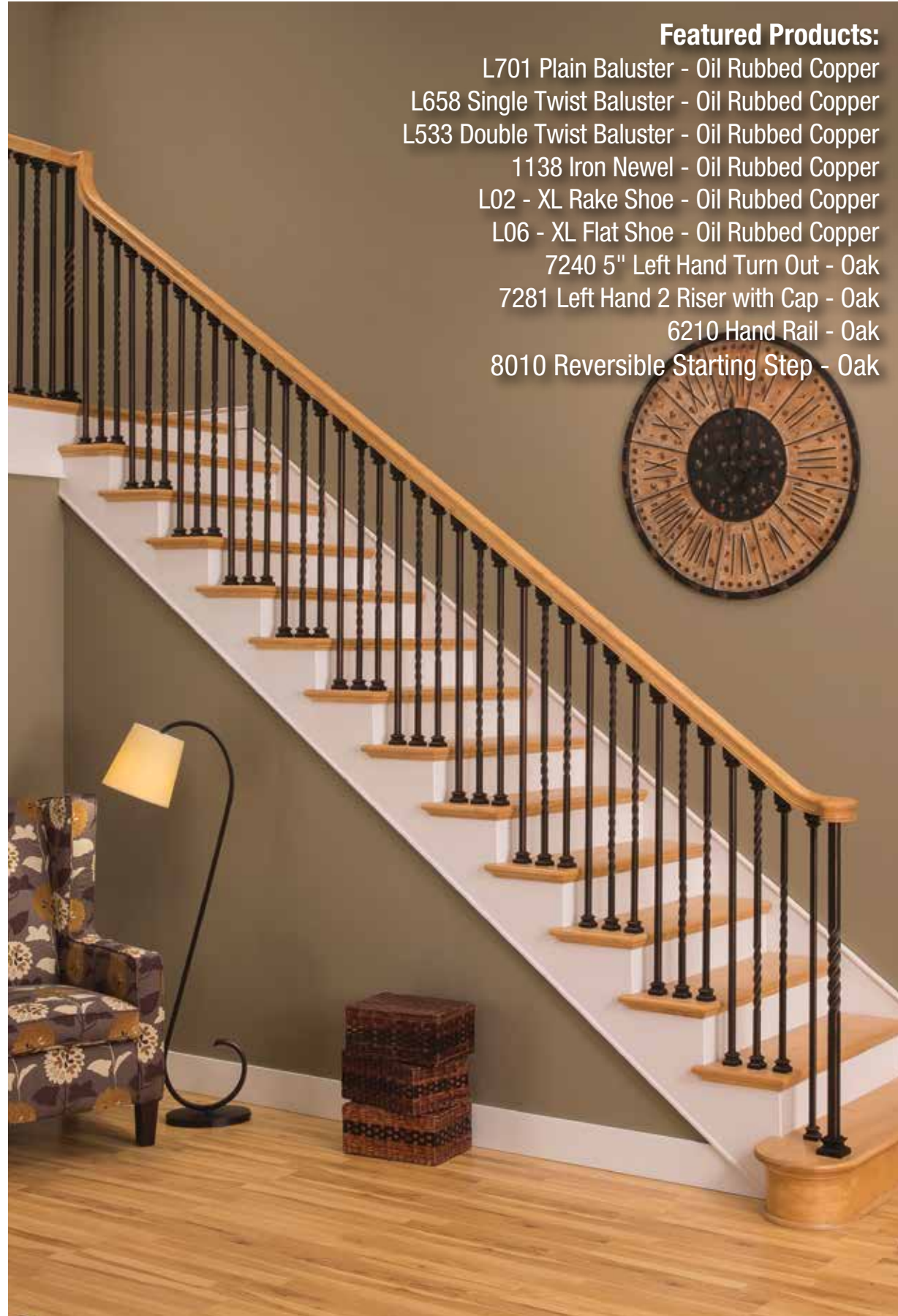
- 701 Plain Baluster - Satin Black
- 451 Scroll Baluster - Satin Black
- 02 Rake Shoe - Satin Black
- 06 Flat Shoe - Satin Black
- P-4191 Box Newel - Poplar (Painted)
- 6519 Hand Rail - Poplar (Painted)





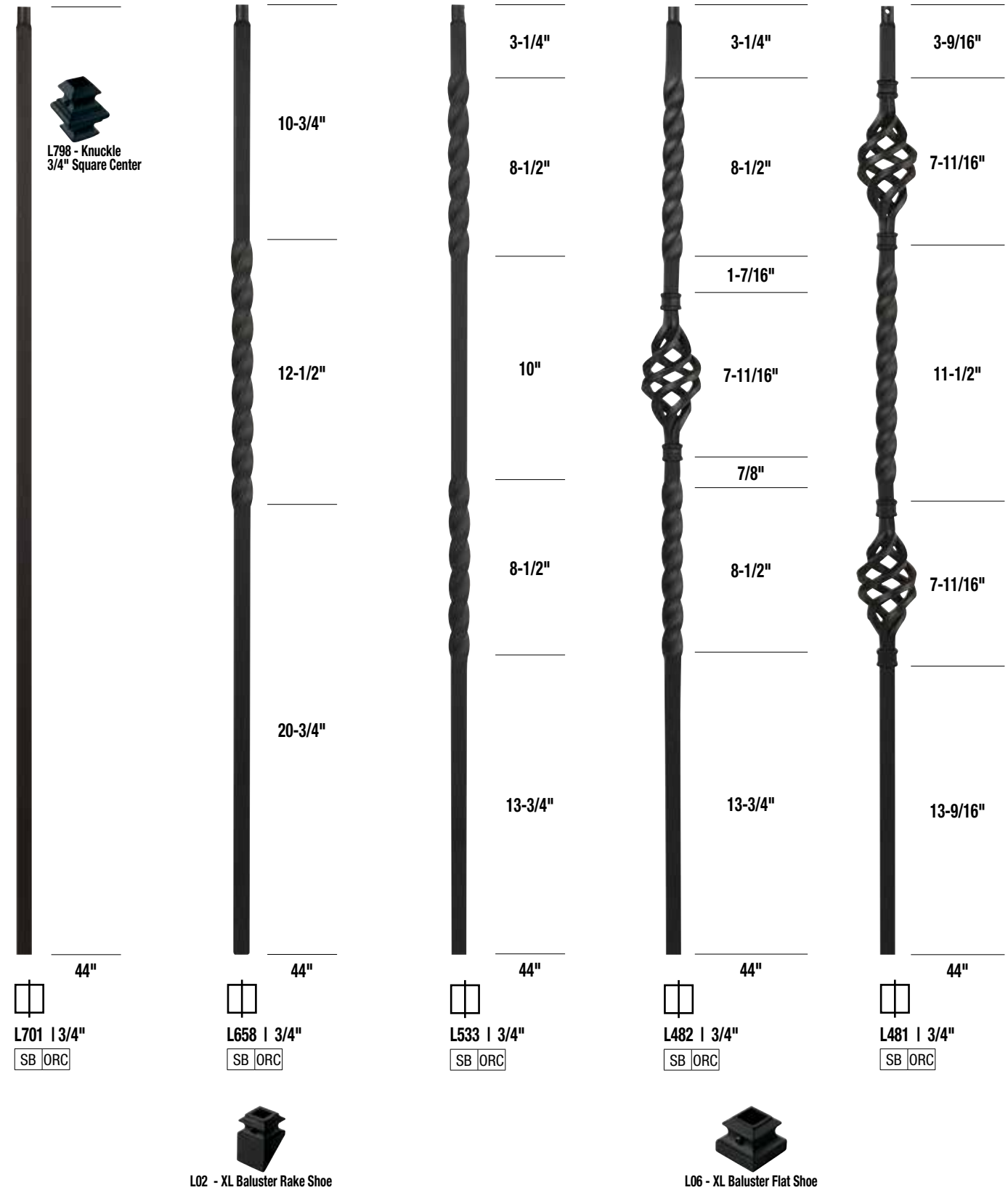
**Featured Creative Stair Parts Products:**  
 506 Ribbon Twist Baluster - Satin Black  
 742 Butterfly Ribbon Baluster - Satin Black  
 6519 Hand Rail with Matching Fittings - Poplar (Painted)





**Featured Products:**

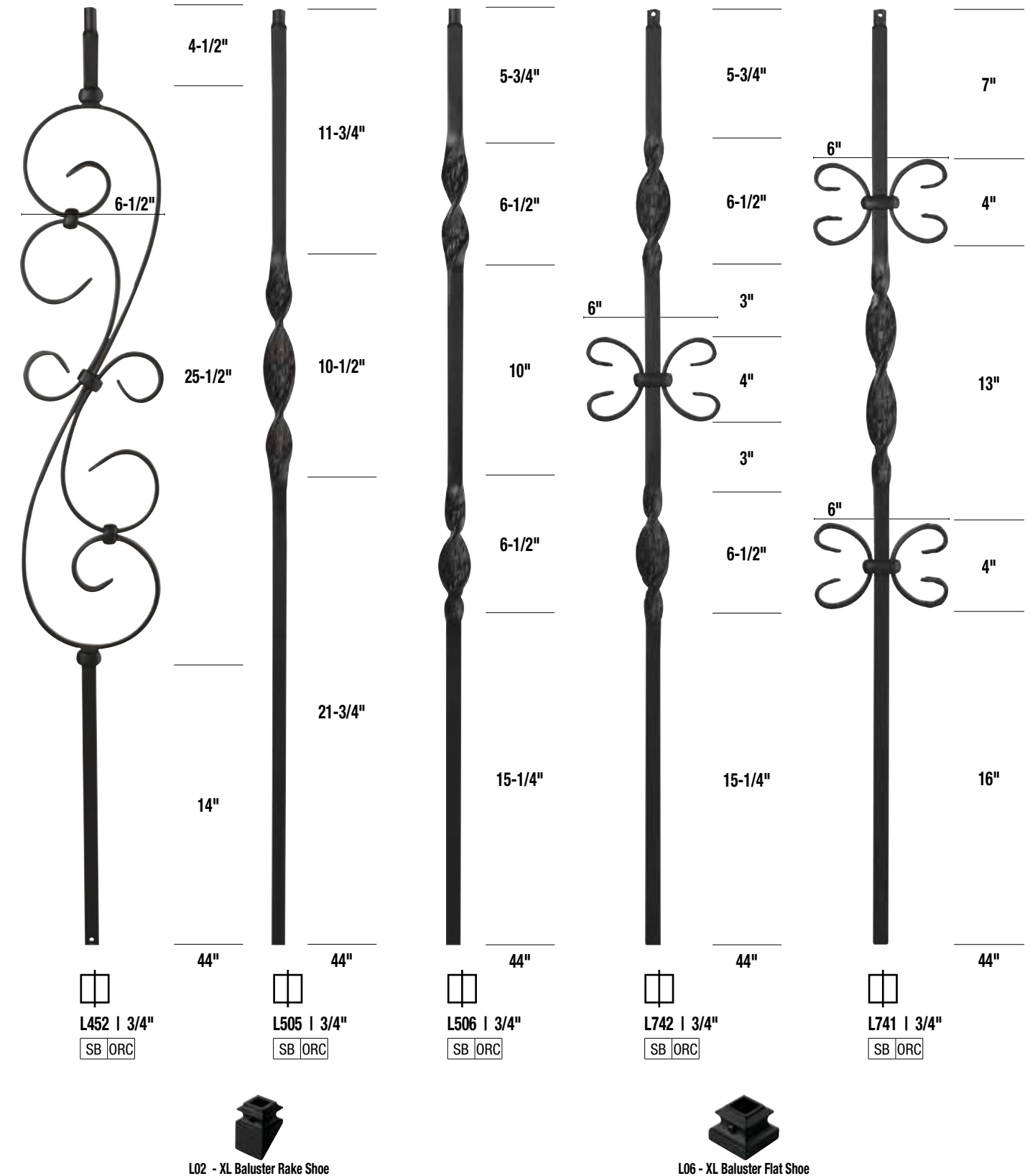
- L701 Plain Baluster - Oil Rubbed Copper
- L658 Single Twist Baluster - Oil Rubbed Copper
- L533 Double Twist Baluster - Oil Rubbed Copper
- 1138 Iron Newel - Oil Rubbed Copper
- L02 - XL Rake Shoe - Oil Rubbed Copper
- L06 - XL Flat Shoe - Oil Rubbed Copper
- 7240 5" Left Hand Turn Out - Oak
- 7281 Left Hand 2 Riser with Cap - Oak
- 6210 Hand Rail - Oak
- 8010 Reversible Starting Step - Oak





**Featured Products:**

- L701 XL Plain Baluster - Satin Black
- L742 XL Ribbon Butterfly Baluster - Satin Black
- L452 XL Scroll Baluster - Satin Black
- L06 XL Flat Shoe - Satin Black
- L02 XL Rake Shoe - Satin Black
- 1136 Iron Newel - Satin black
- 6210 Bending Rail & Fittings
- Custom Steps







1132\* | 1-3/16"  
SB ORB ORC



1138\* | 1-3/16"  
SB ORB ORC



1136\* | 1-3/16"  
SB ORB ORC



1139\* | 1-3/16"  
SB ORB



640\* | 1-3/16"  
SB ORB



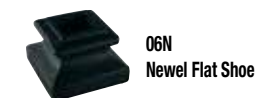
1140\* | 1-3/16"  
SB ORB



\*Installation sleeve and shoe not included



\*Installation sleeve and shoe not included



## Flat Shoe



**06 Baluster Flat Shoe**  
1/2" Center  
SB AB ORB ORC SV MN

1-1/8" height, 1-3/8" width, 1/2" top width

**L06**  
3/4" Center  
SB ORC

1-9/16" height, 2" width, 3/4" top width

**07**  
9/16" Center  
SB ORB ORC

1" height, 1-3/8" width, 9/16" top width

**799 Baluster Flat Shoe**  
9/16" Round Center  
SB ORB

1" height, 1-1/2" width, 9/16" top width

Round

**797 Baluster Flat Shoe**  
1/2" Center  
SB AB ORB ORC SV

1" height, 1-5/8" width, 1/2" top width, 2-5/8" base width

Square

**SPECIAL ORDER**

**020 Baluster Shoe**  
1/2" Center  
SB AB ORB ORC

1-1/2" height, 2" width, 1/2" top width

**SPECIAL ORDER**

**020-SP Adjustable Center**  
1/2" to 9/16" Square or Round  
Black Synthetic Only

1-5/8" width, 1-1/2" height

-OR- Fits 1/2 to 9/16"

**SPECIAL ORDER**

**RD201 Baluster Shoe**  
Adjustable Center  
1/2" to 9/16" Square or Round  
SB AB ORB ORC

1-7/8" width, 5/8" height

Fits 1/2 to 9/16"

-OR-

## Newel Hardware



**06N Newel Flat Shoe**  
1-1/4" Center  
SB ORB ORC

2-1/8" height, 3-1/8" width, 1-5/16" top width

Square

**MB IRON Metal Newel Fastener**  
Smooth  
SB

6-1/2" height, 1-13/16" top width, 1-1/2" hole diameter, 1-3/8" hole diameter, 2-11/16" base width

Square

## Rake Shoe



**02 Baluster Rake Shoe**  
1/2" Center  
SB AB ORB ORC SV MN

2" height, 1-5/16" width, 1/2" top width

**L02**  
3/4" Center  
SB ORC

2-7/8" height, 1-7/8" width, 3/4" top width

**03**  
9/16" Center  
SB ORB ORC

2" height, 1-3/8" width, 9/16" top width

Square

**792 Baluster Rake Shoe**  
9/16" Round Center  
SB ORB

2" height, 1-1/4" width, 9/16" top width

Round

## Knuckles



**798 Knuckle**  
1/2" Square Center  
SB AB ORB ORC SV MN

2" height, 1-1/2" width, 1/2" top width

Square

**796 Knuckle**  
9/16" Round Center  
SB ORB

3-7/8" height, 1-1/2" width, 9/16" top width

Round

**795 Knuckle**  
9/16" Round Center  
SB ORB

2-1/8" height, 1-7/8" width, 3/4" top width

Round

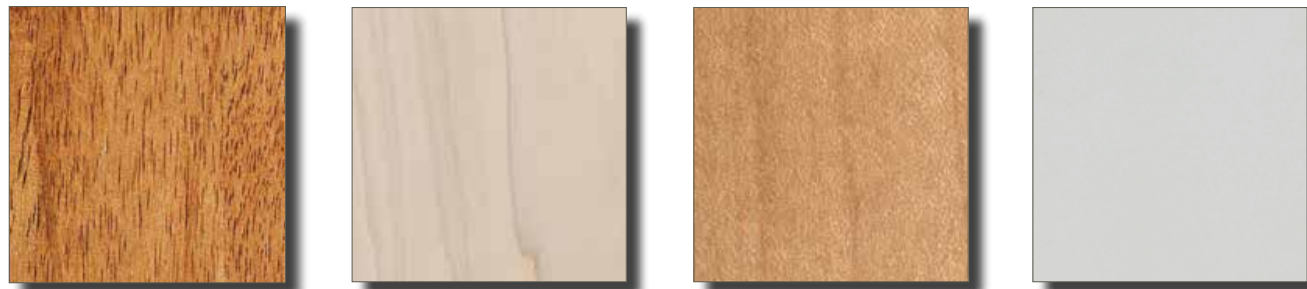
**L798 Knuckle**  
3/4" Square Center  
SB AB ORC

3" height, 2-1/8" width, 3/4" top width

## Epoxy



## Species stocked in most products:



Red Oak

Poplar

Maple

Primed

## Additional species available by special order with extended lead time:

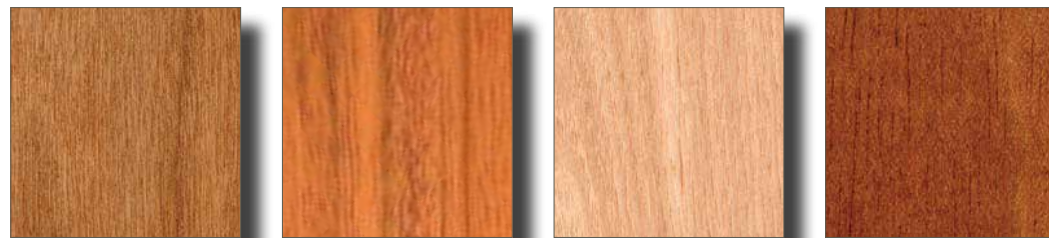


Alder

Hemlock

Beech

Birch



Cherry

Brazilian Cherry

Hickory

Mahogany



White Oak

Yellow Pine

Walnut

## \*Five Length Balusters



## Three Length Balusters



### DID YOU KNOW?

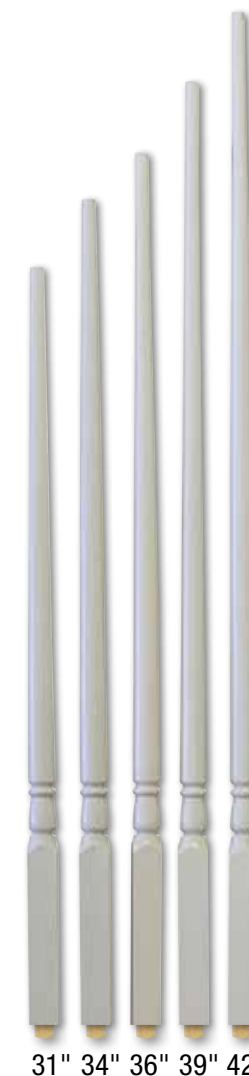
The pin of a five length baluster is included in the overall measurement.

Base blocks are identical in height, placing emphasis on each individual step

- Turning length varies
- Bottom block length stays the same
- Five lengths - 31" | 34" | 36" | 39" | 42"
- Fixed pin
- Pin is included in the overall dimension of the baluster (3/4")
- Cut from top
- Turning lengths vary = limited substitution

Currently Empire stocks 5016 Baluster in the Five Length System as shown to the right (Primed) but also available in Oak. See page 53.

\*Any Baluster can be special ordered in Five Length System with extended lead time



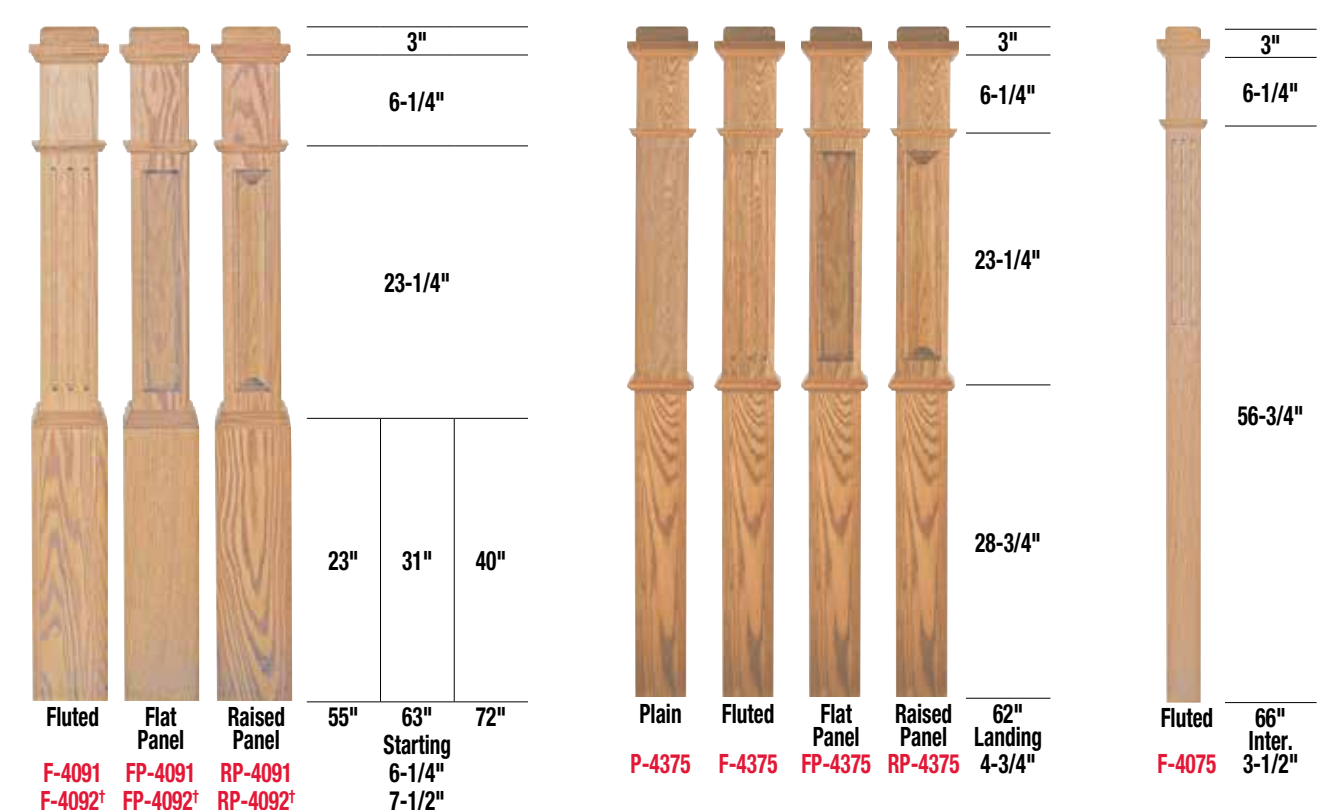
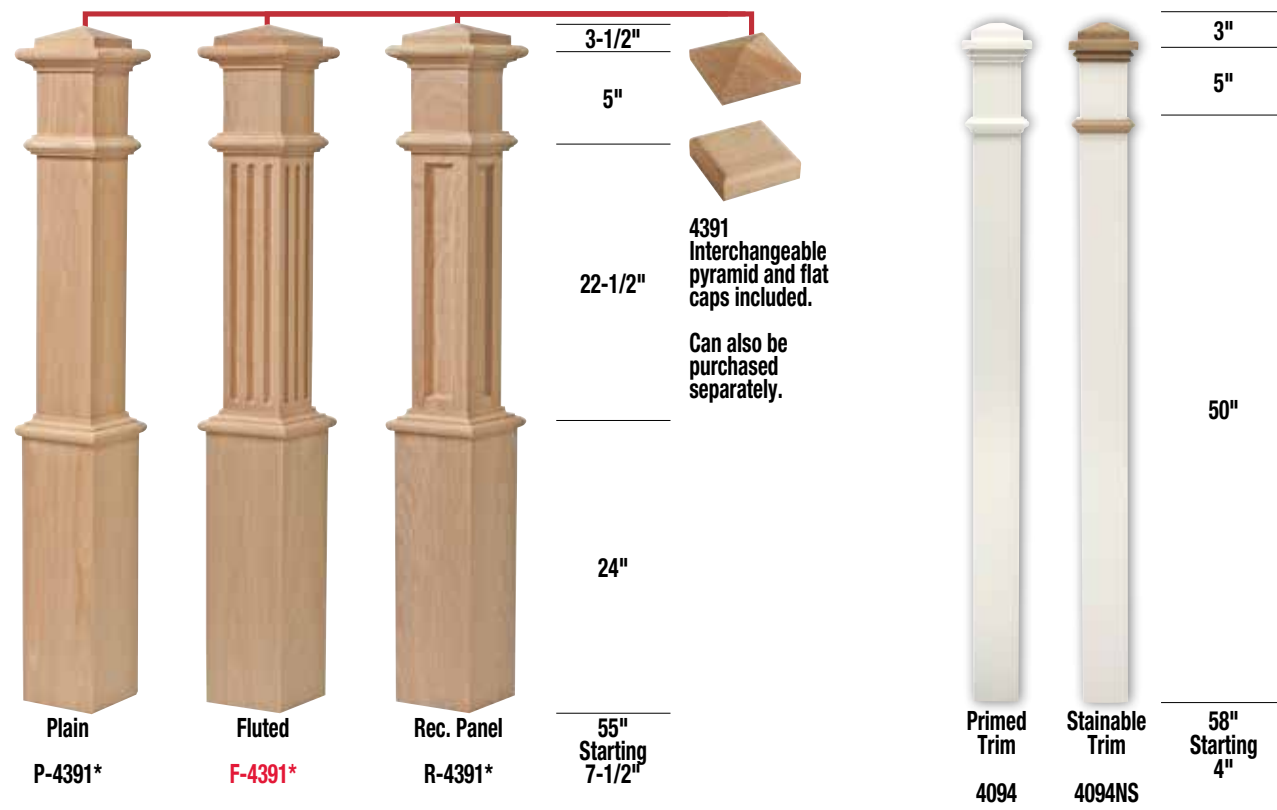
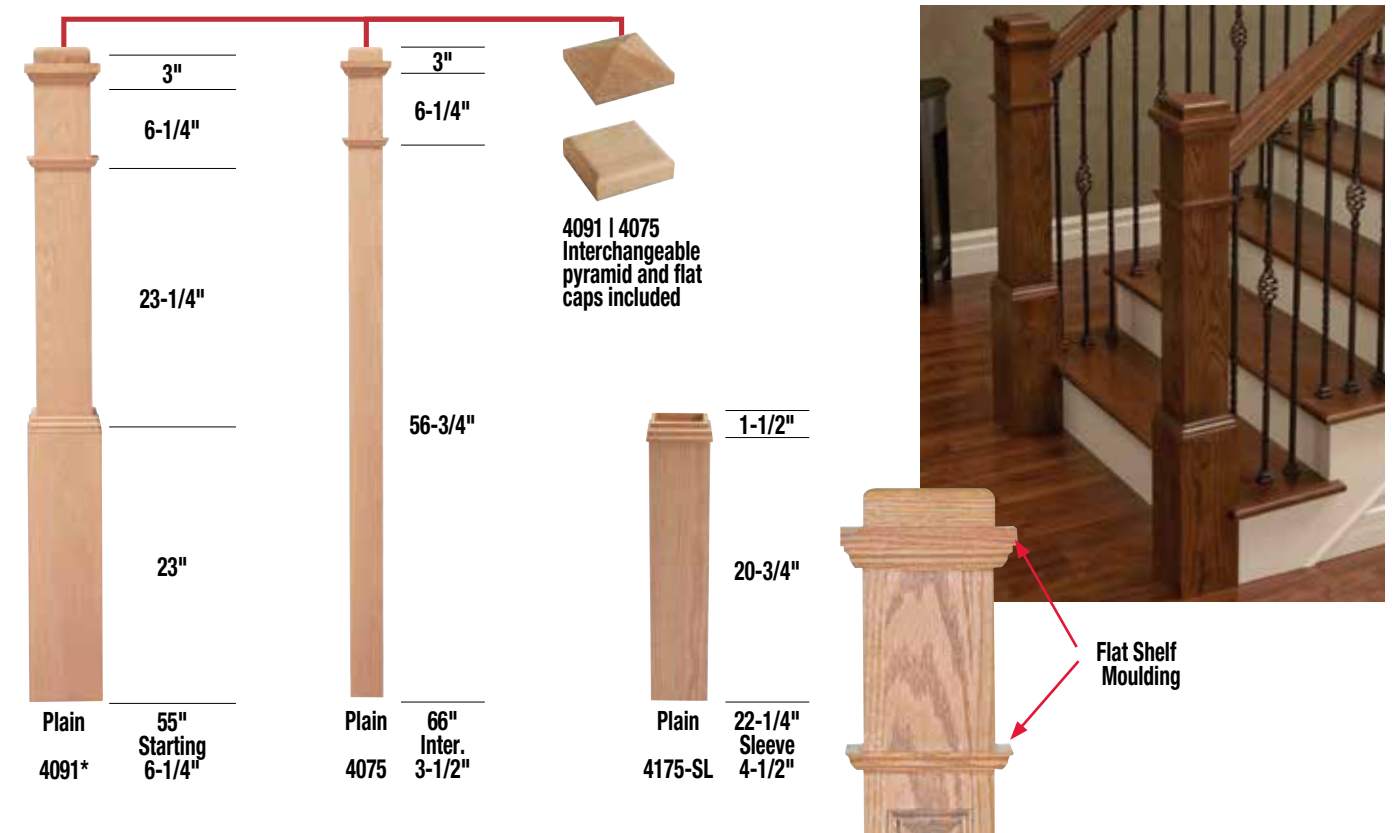
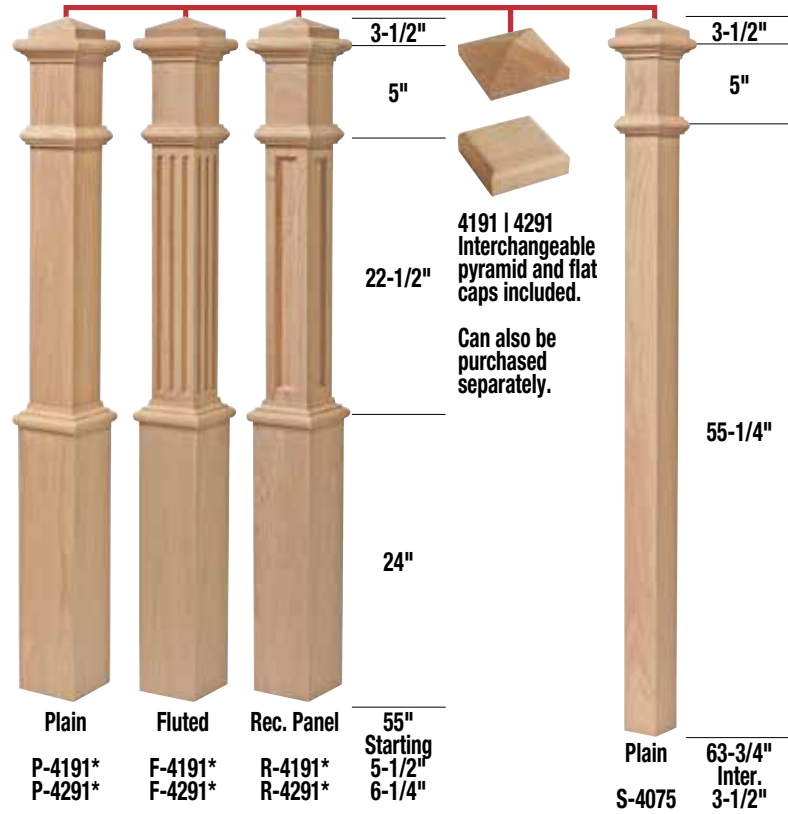
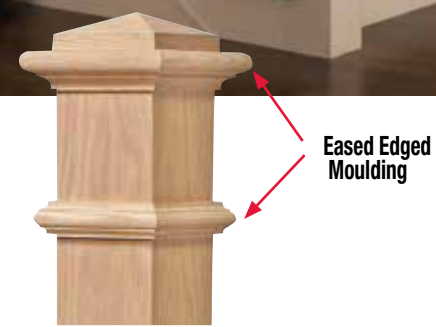
### DID YOU KNOW?

In the event of a bad cut, you may substitute a longer baluster for a shorter baluster. Simply cut from the bottom.

Base blocks are proportioned to create a smooth flowing ascending line, turnings follow rake rail

- Same turning length
- Bottom block length varies
- Three lengths - 34" | 38" | 42"
- Removable pin
- Cut from bottom
- Varying bottom blocks = easy substitutions
- Reduced inventory





\*Newel Mounting Block included.

†NOTE 4092 Series (7-1/2") Only available in a pyramid top.

\*Newel Mounting Block included.



**Featured Products:**

- 3040 Carolina Starting Newel - Oak
- 2005 Carolina Square Top Baluster - Oak
- P6210 Plowed Hand Rail - Oak

## Pin Top Balusters

## Square Top Balusters

Balusters come with removable pin

## Newels | Over the Post

3010	Starting	3014	Landing	3015
43"		50"		58"

## Newels | Post to Post

3040	Starting	3042	Landing	3045	Inter.	3046
48"		58"		58"		73"



**Featured Products:**

- 3040 Carolina Starting Newel - Oak
- 2015 Carolina Pin Top Baluster - Primed
- 6400 Hand Rail - Oak

### Pin Top Balusters

27-3/4"

6-1/4"	10-1/4"	14-1/4"	
1-3/4"	34"	38"	42"

Plain P-2015    Fluted F-2015    Twisted T-2015    Octagonal 8-2015

### Square Top Balusters

7"

19-13/16"

7-13/16"	11-13/16"	15-13/16"	
1-3/4"	34"	38"	42"

Plain P-2005    Fluted F-2005    Twisted T-2005    Octagonal 8-2005

Balusters come with removable pin

### Newels | Over the Post

28"

15"	20"	32"	44"
3-1/2"			
Starting	3010	3011	Landing
43"	48"	60"	72"

Plain    Fluted    Twisted    Octagonal

### Newels | Post to Post

5"

5-1/4"	10"	14-1/2"	5-1/4"	
22-1/2"		17-1/2"	22-1/2"	
15-3/4"	23-1/4"	23-1/2"	19"	39"
3-1/2"				
Starting	3030	3042	Landing	
48"	56"	56"	Intermediate	
		3045	3046	3048
		56"	56"	72"

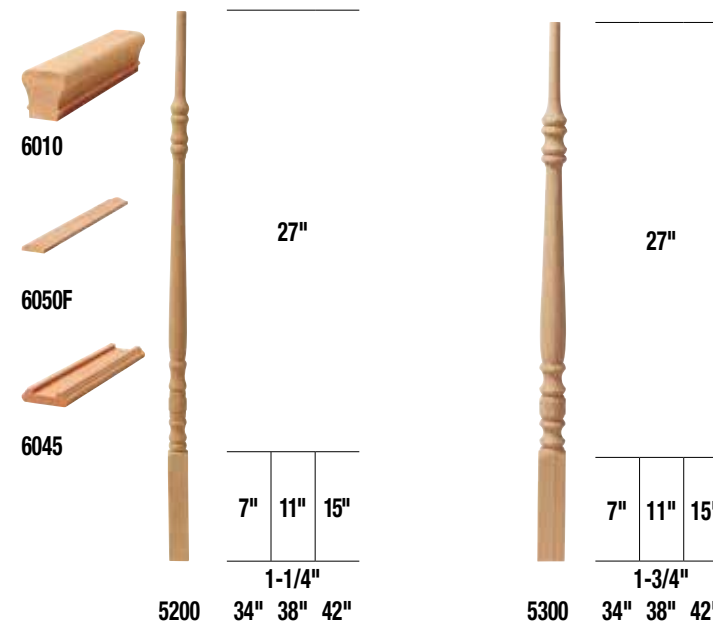
Plain    Fluted    Twisted    Octagonal



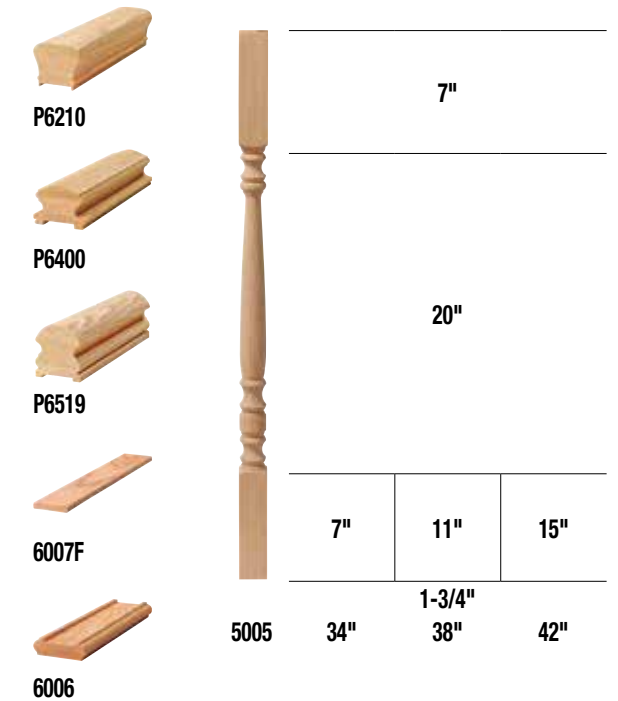
**Featured Products:**

- 4500 Hampton Starting Newel - Oak
- 5005 Hampton Square Top Baluster - Oak
- P6210 Plowed Hand Rail - Oak

## Pin Top Balusters

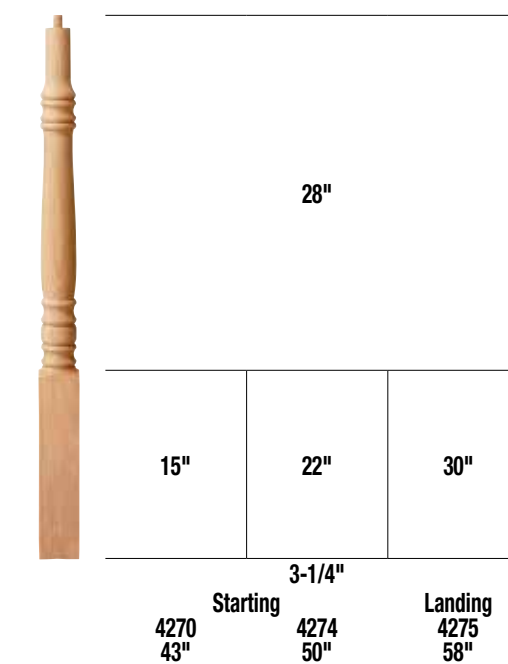


## Square Top Balusters

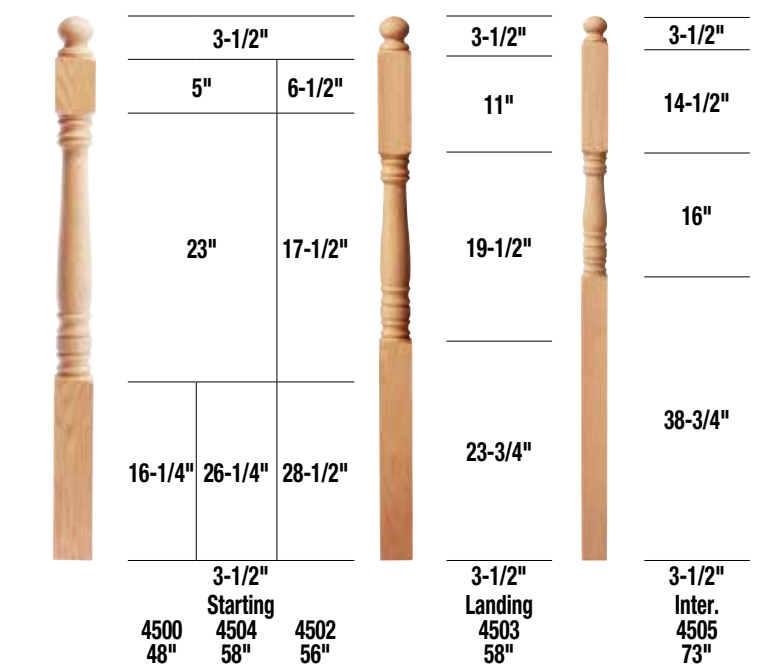


Balusters come with removable pin

## Newels | Over the Post



## Newels | Post to Post

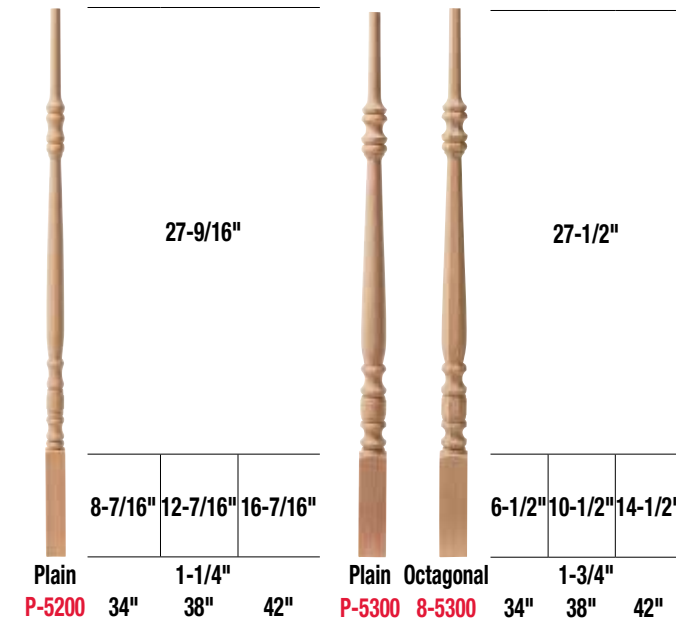




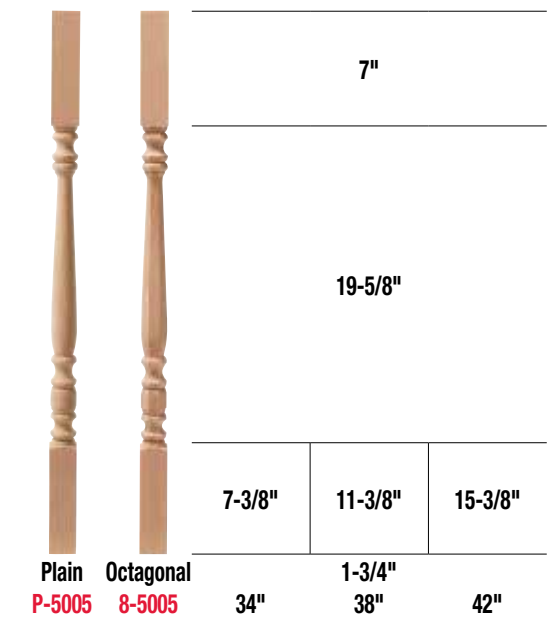
### Featured Products:

- 4270 Hampton Starting Newel - Oak
- 5300 Hampton Pin Top Baluster - Primed
- 6210 Hand Rail - Oak
- 7235 Right Hand Volute
- 8010 Reversible Starting Step - Oak

### Pin Top Balusters

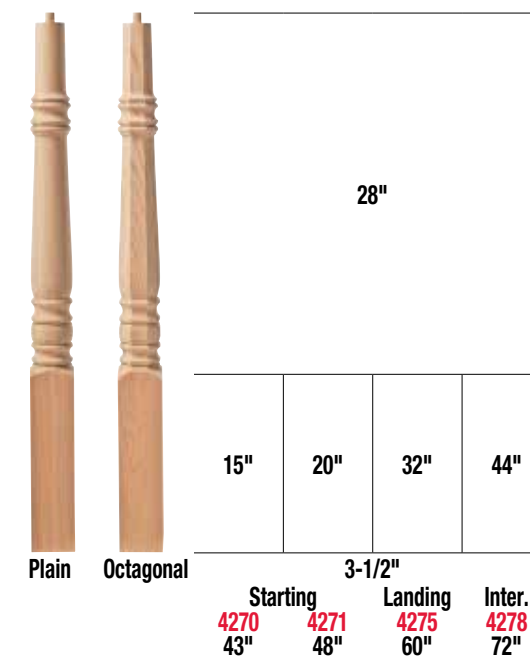


### Square Top Balusters

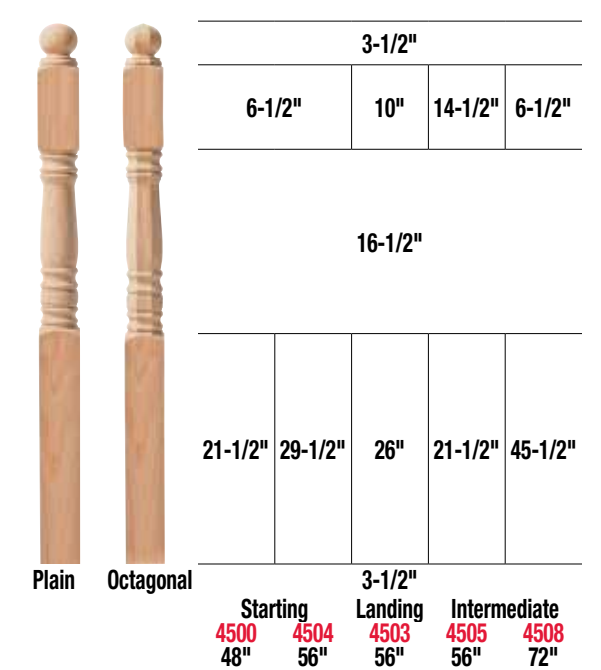


Balusters come with removable pin

### Newels | Over the Post



### Newels | Post to Post



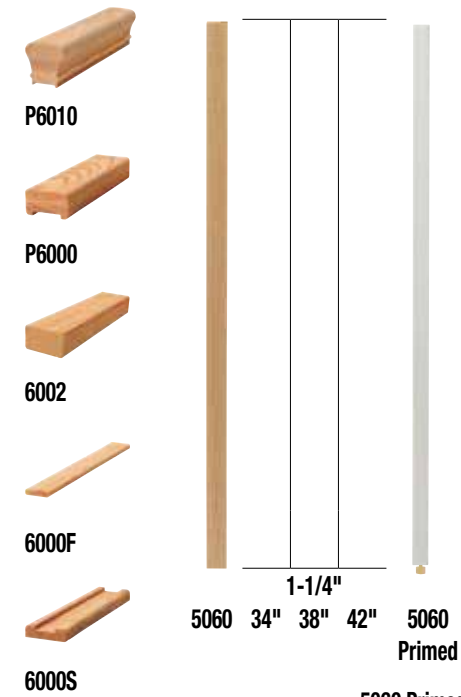




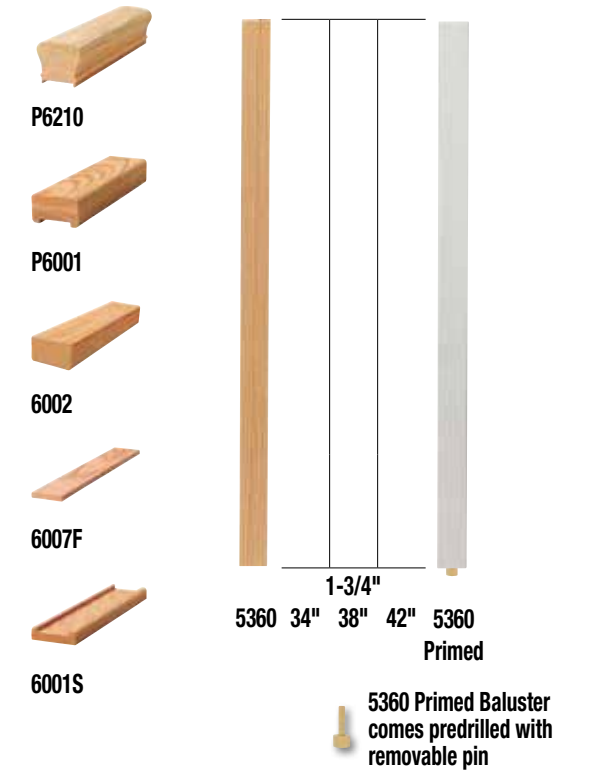
### Featured Products:

- S-4004 Craftsman Spade Top Starting Newel - Oak (Painted)
- 5360 Craftsman Square Baluster - Primed
- P6210 Plowed Hand Rail - Oak

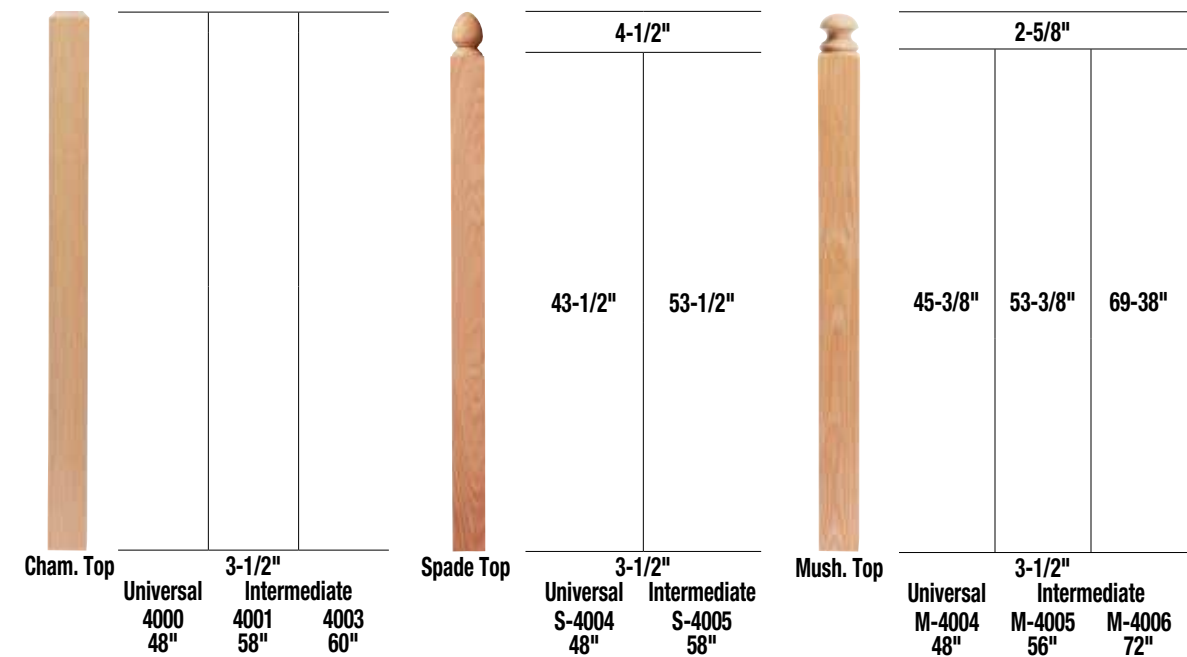
## Balusters | 1-1/4"

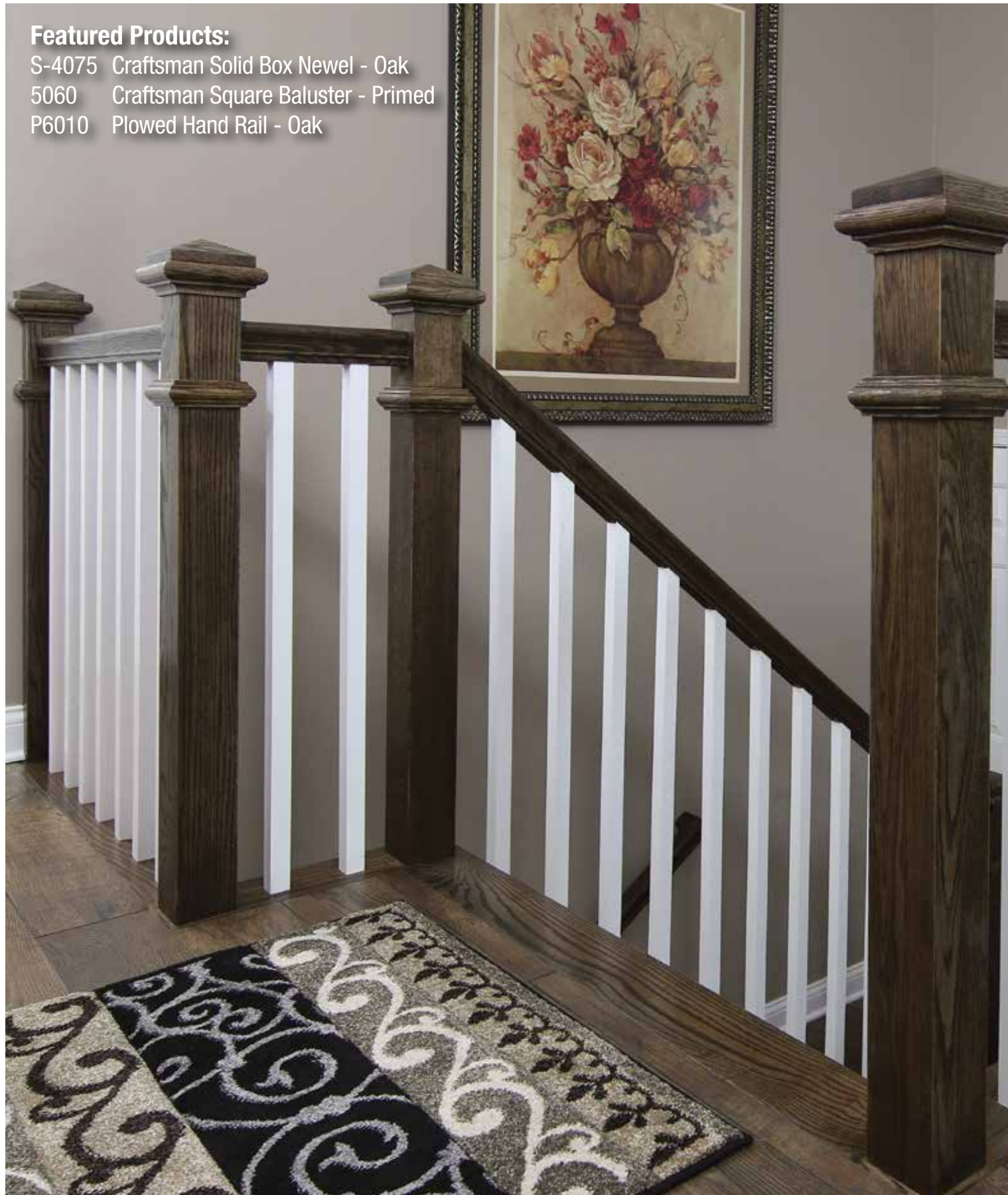


## Balusters | 1-3/4"



## Newels | Post to Post

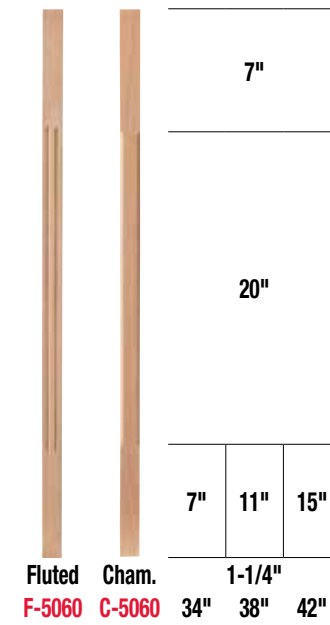




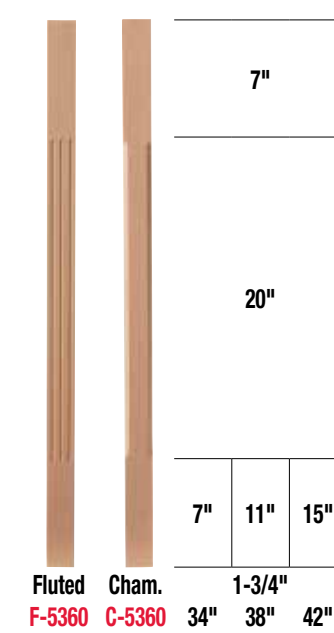
### Featured Products:

- S-4075 Craftsman Solid Box Newel - Oak
- 5060 Craftsman Square Baluster - Primed
- P6010 Plowed Hand Rail - Oak

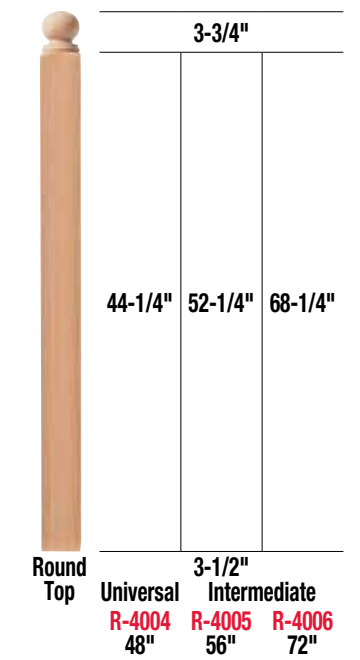
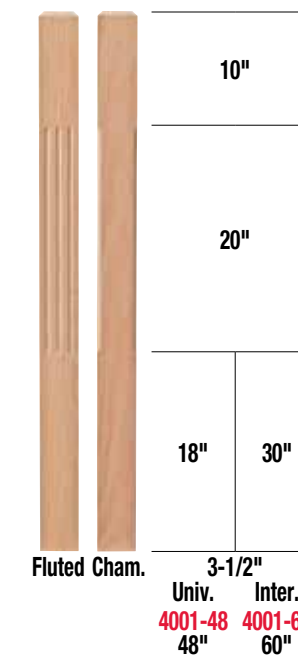
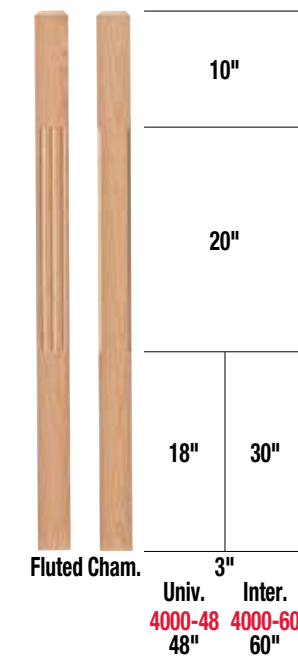
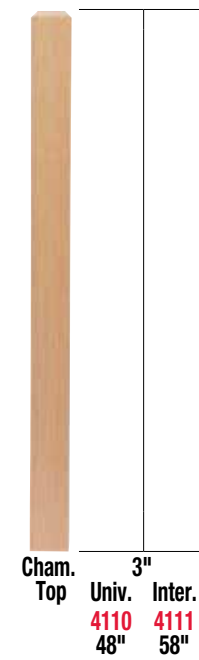
### Balusters | 1-1/4"



### Balusters | 1-3/4"



### Newels | Post to Post

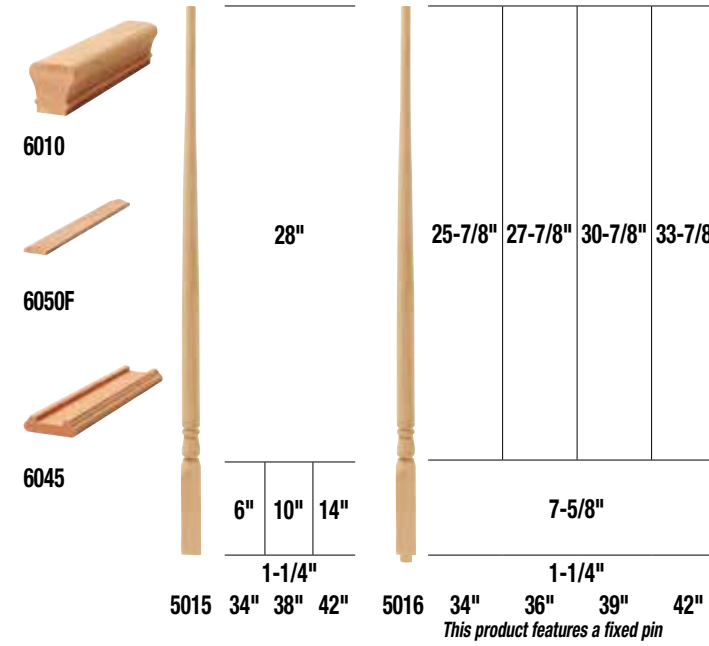




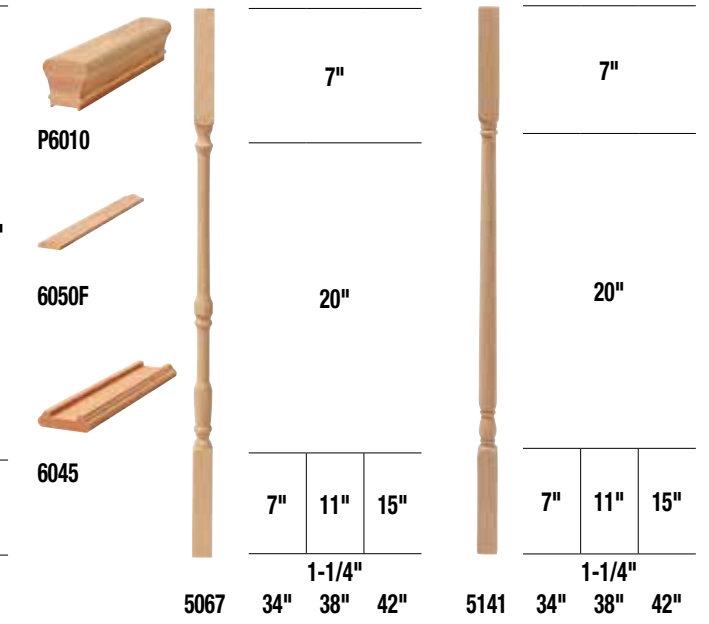
### Featured Products:

- 4040 Colonial Starting Newel - Oak
- 5067 Colonial Square Top Baluster - Oak
- P6010 Plowed Hand Rail - Oak

## Pin Top Balusters

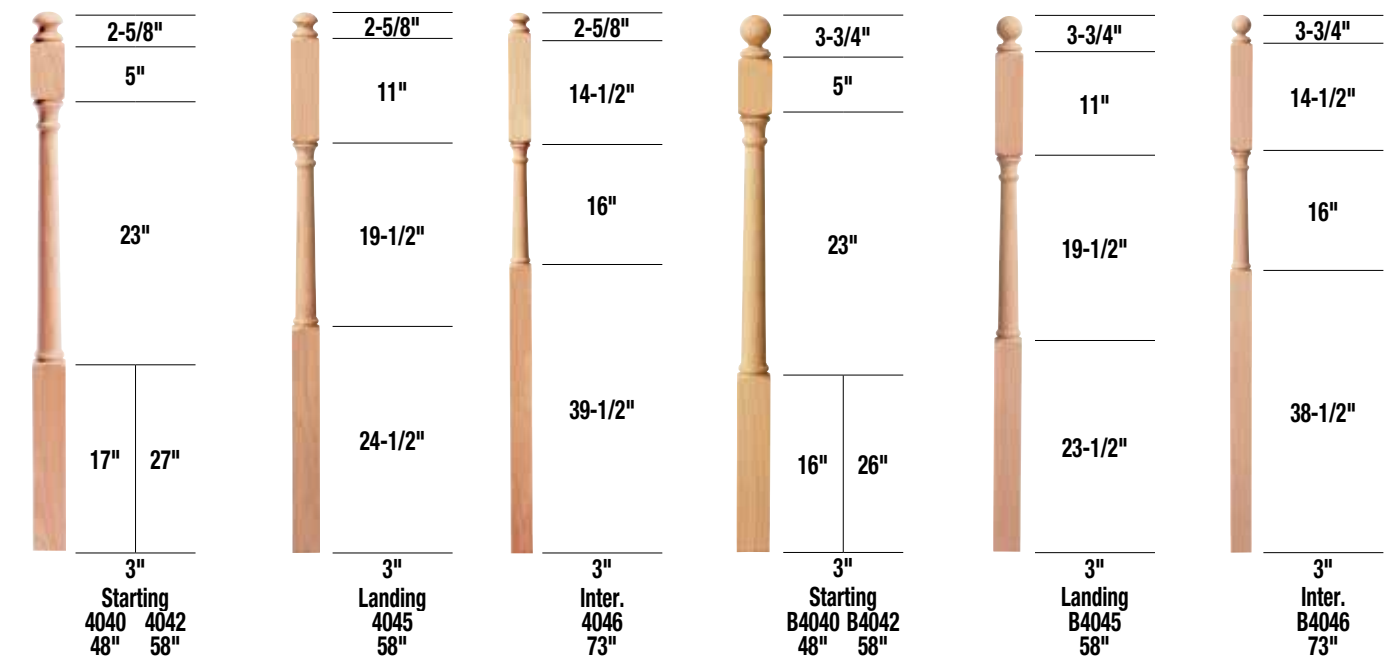


## Square Top Balusters



Balusters come with removable pin

## Newels | Post to Post

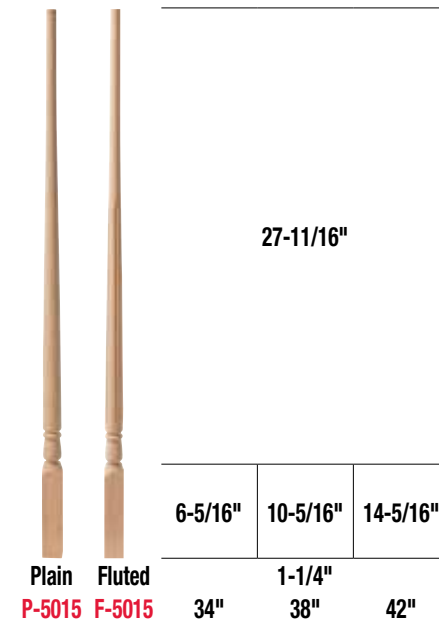




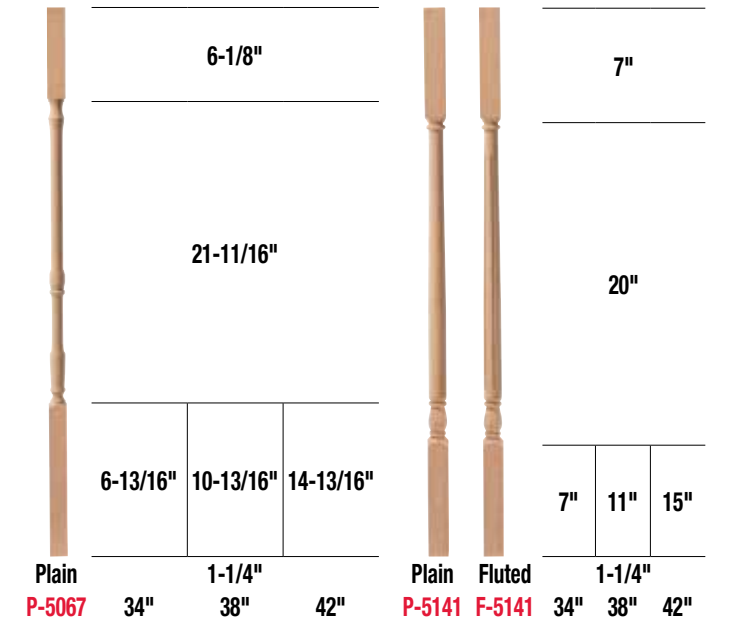
**Featured Products:**

- 4040 Colonial Starting Newel - Maple
- 5141 Colonial Square Top Baluster - Maple
- P6010 Plowed Hand Rail - Maple

## Pin Top Balusters

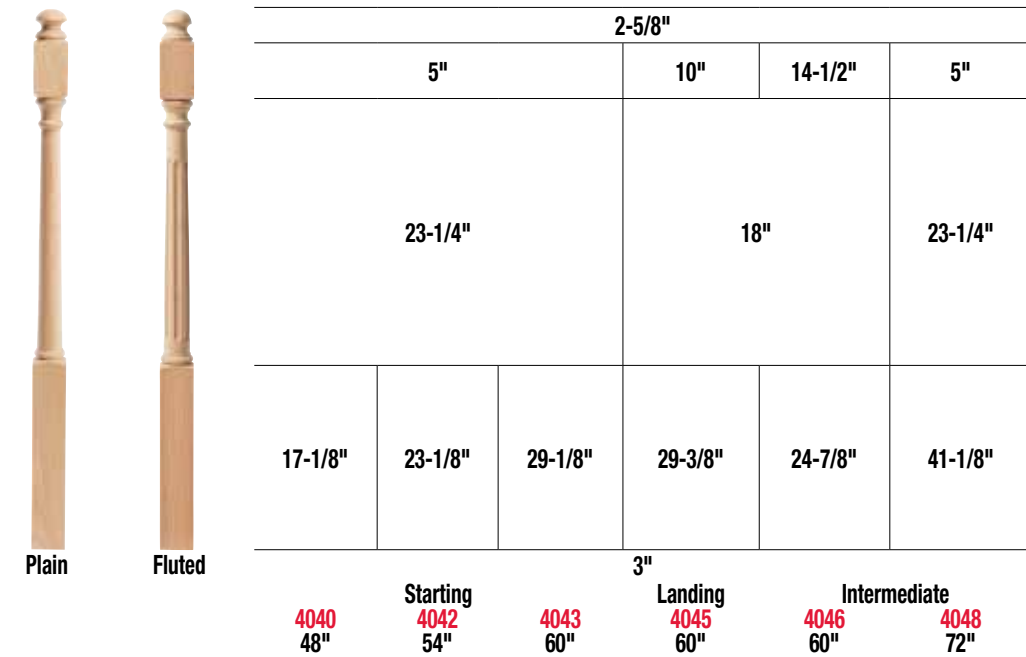


## Square Top Balusters



Balusters come with removable pin

## Newels | Post to Post

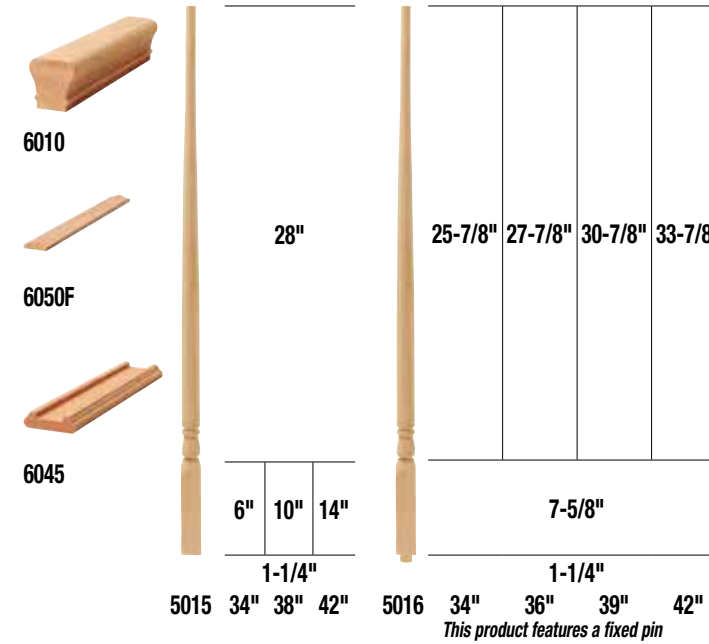




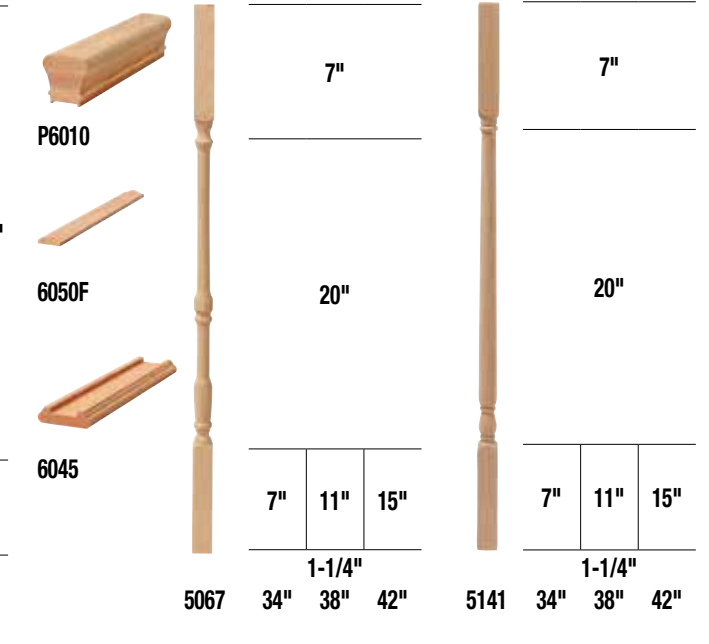
### Featured Products:

- 4010 Carolina Starting Newel - Oak
- 5015 Carolina Pin Top Baluster - Oak
- 6010 Hand Rail - Oak
- 7030 Left Hand Volute - Oak
- 8010 Reversible Starting Step - Oak

### Pin Top Balusters

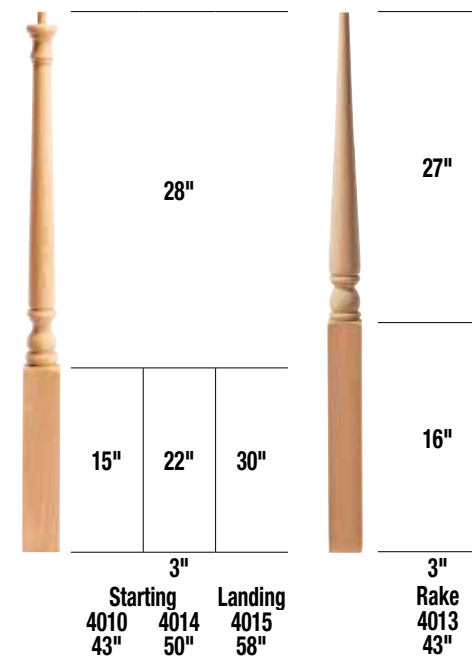


### Square Top Balusters

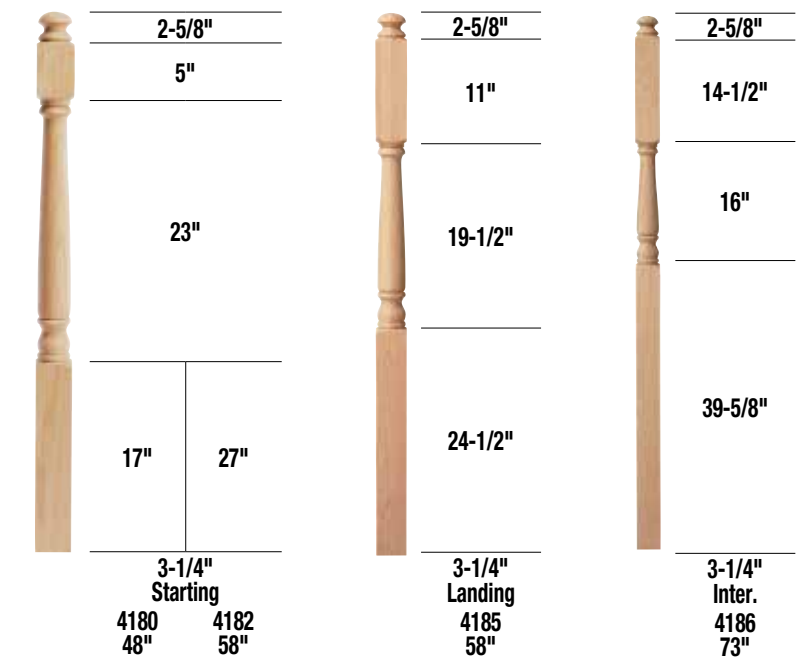


Balusters come with removable pin

### Newels | Over the Post



### Newels | Post to Post

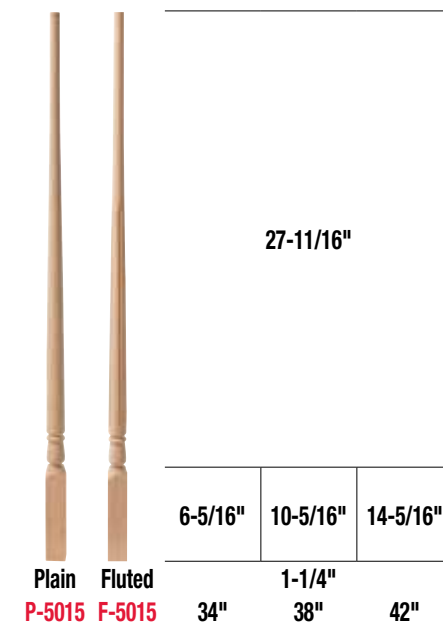




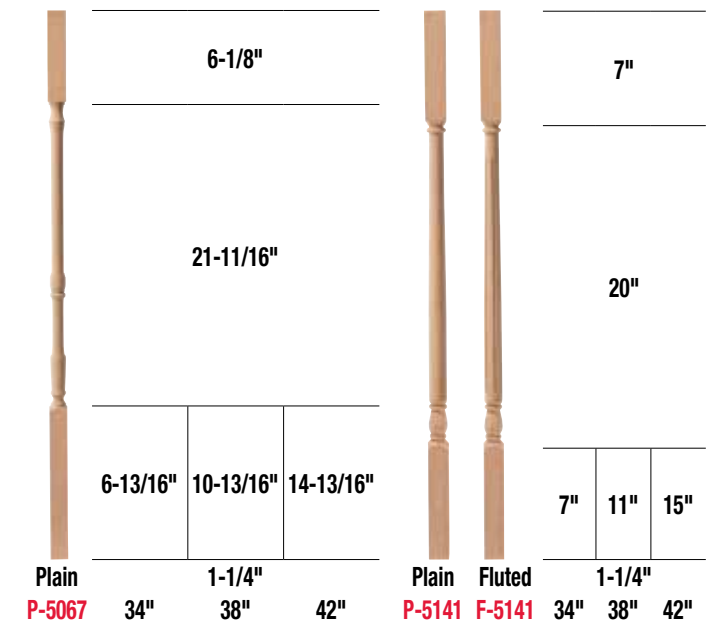
### Featured Products:

- 4180 Colonial Starting Newel - Oak
- 5067 Colonial Square Top Baluster - Primed
- P6010 Plowed Hand Rail - Oak

### Pin Top Balusters

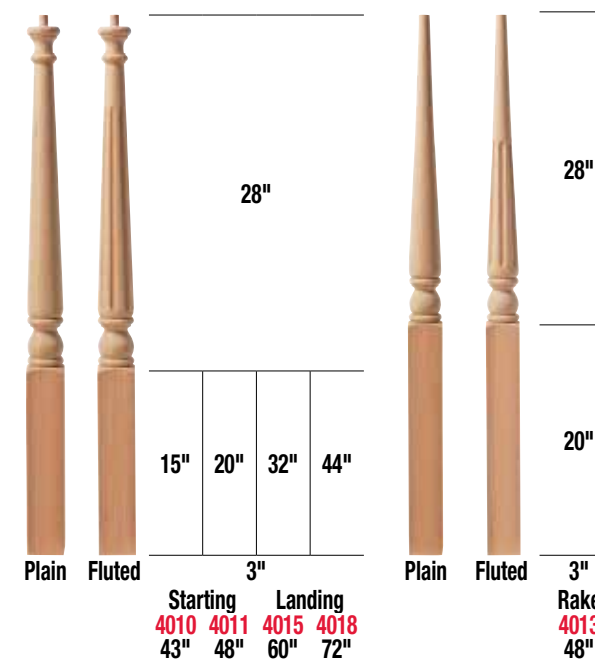


### Square Top Balusters

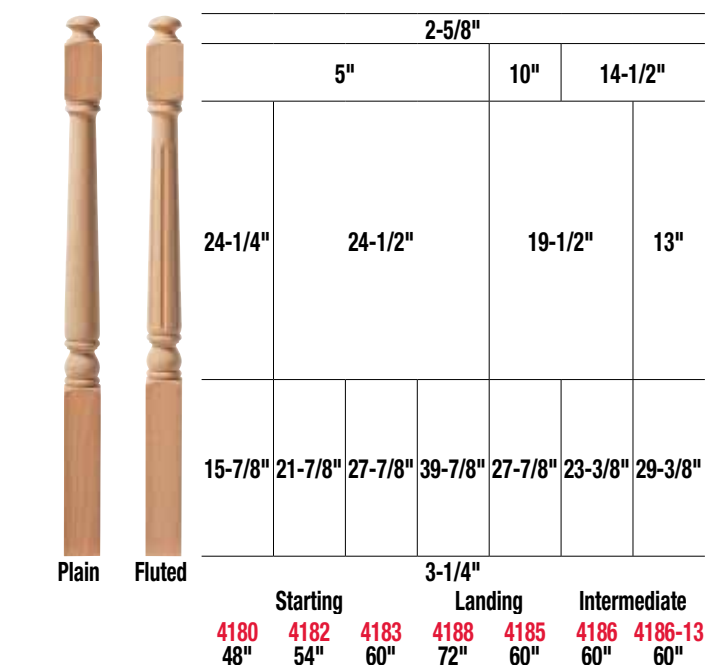


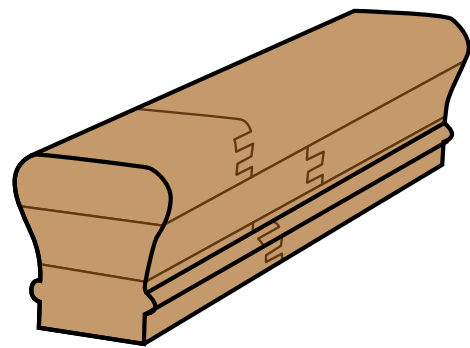
Balusters come with removable pin

### Newels | Over the Post



### Newels | Post to Post

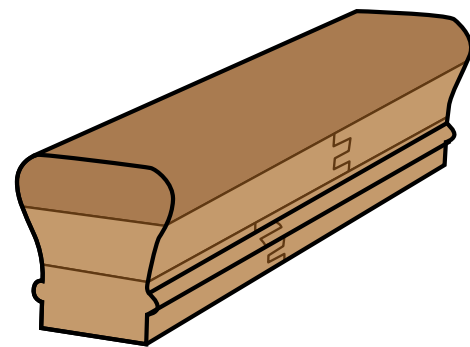




Finger joints on all three plies

## Finger Joint Hand Rail

- All three plies utilize finger joint construction.
- Top two plies are color matched in 42" lengths and longer.
- Bottom plies contain multiple finger joints.



Top ply is free of finger joints\*

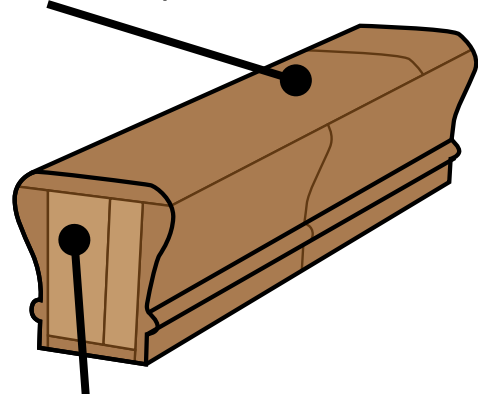
## Solid Cap Hand Rail

- The top ply will be free of finger joints. \*14-16' lengths of rail may contain up to one (1) visible butt joint on the cap.
- Bottom two plies utilize finger joint construction.

### DID YOU KNOW?

Engineered hand rail consist of core filler pieces that are wrapped in the profile of the hand rail. As such, engineered hand rail has SIDES instead of PLIES.

Solid wood top, sides and bottom



Like specie filler pieces inside

Butt joints instead of finger joints

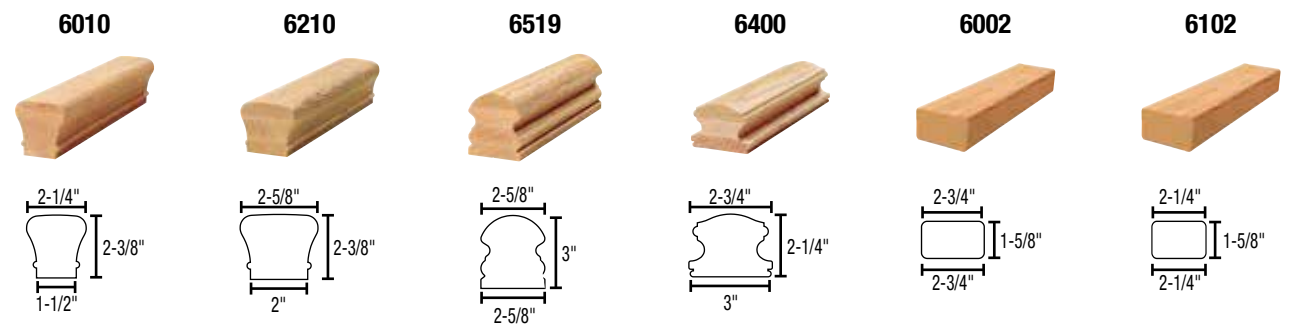
## Engineered Hand Rail

- Constructed using butt joints instead of finger joints.
- Solid wood filler pieces wrapped in profiled finish wood pieces.

Rail Length	Oak		Poplar	
	Top Joints	Sides	Top Joints	Sides
6-8' Rail	0	1-2	1	1-2
10-12' Rail	0	2-3	1	3-4
14-16' Rail	1	3-5	2	4-6
20' Rail	2	3-6	3	5-7

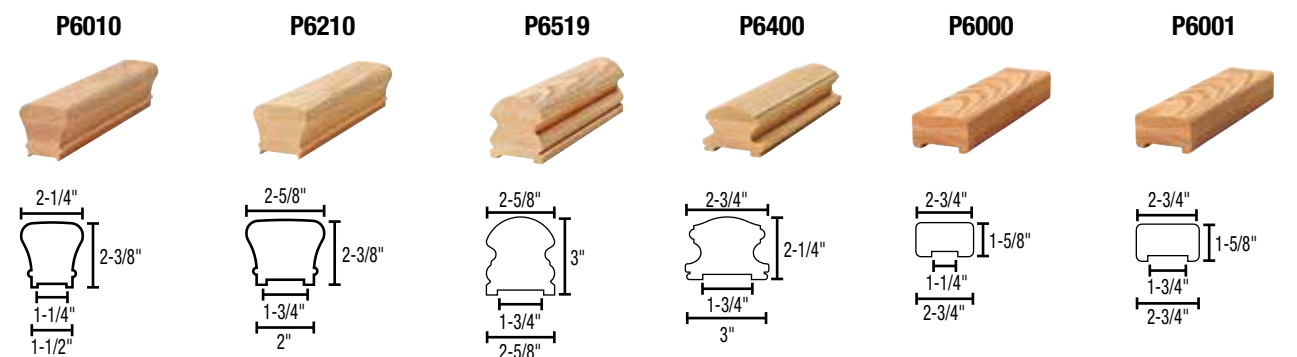
## Hand Rail

Additional profiles available - call for details



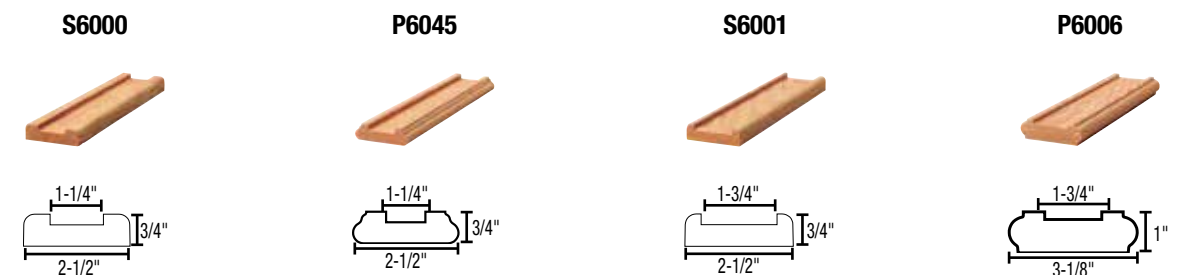
## Hand Rail | Plowed

Finished fillet included

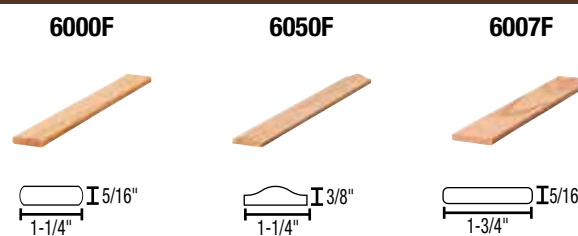


## Shoe Rail

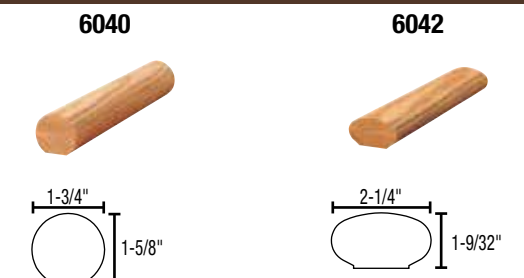
Finished fillet included



## Fillet

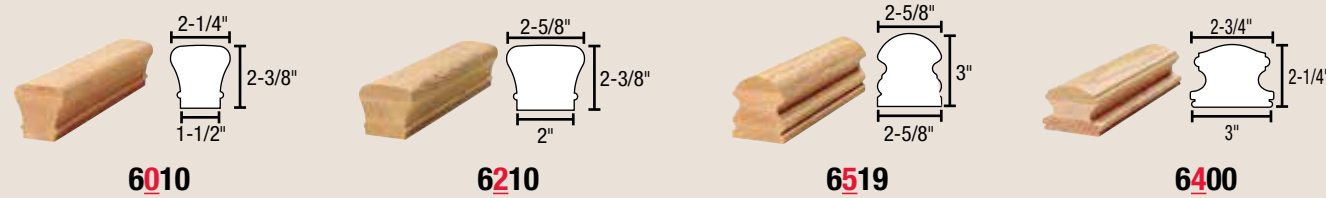


## Wall Rail



## Matching Fittings to Hand Rails

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

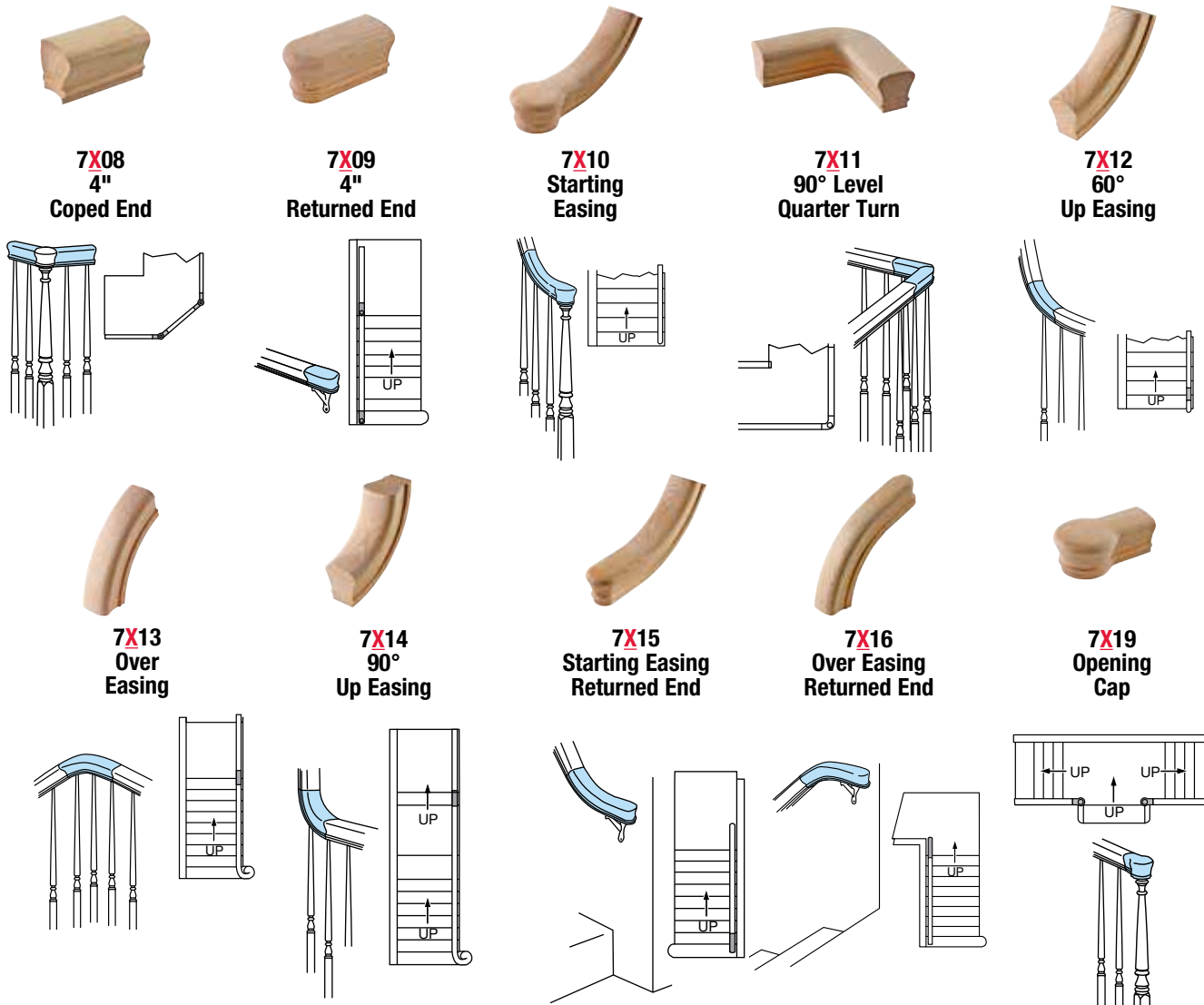


### Ordering example:

If you want a **Right Hand Offset Rail** to match your **6210 Hand Rail**, replace the "X" in the Fitting part number with the second digit of the Hand Rail Part Number.

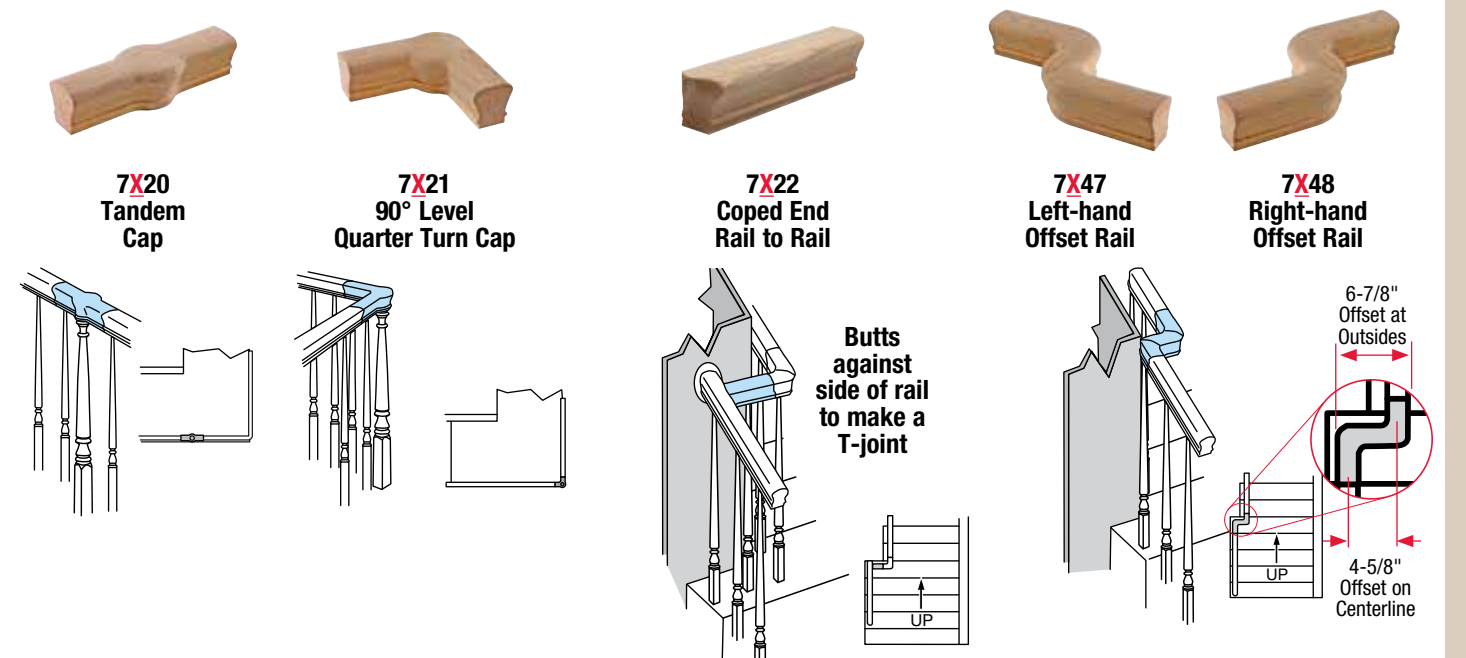


## Caps & Easings

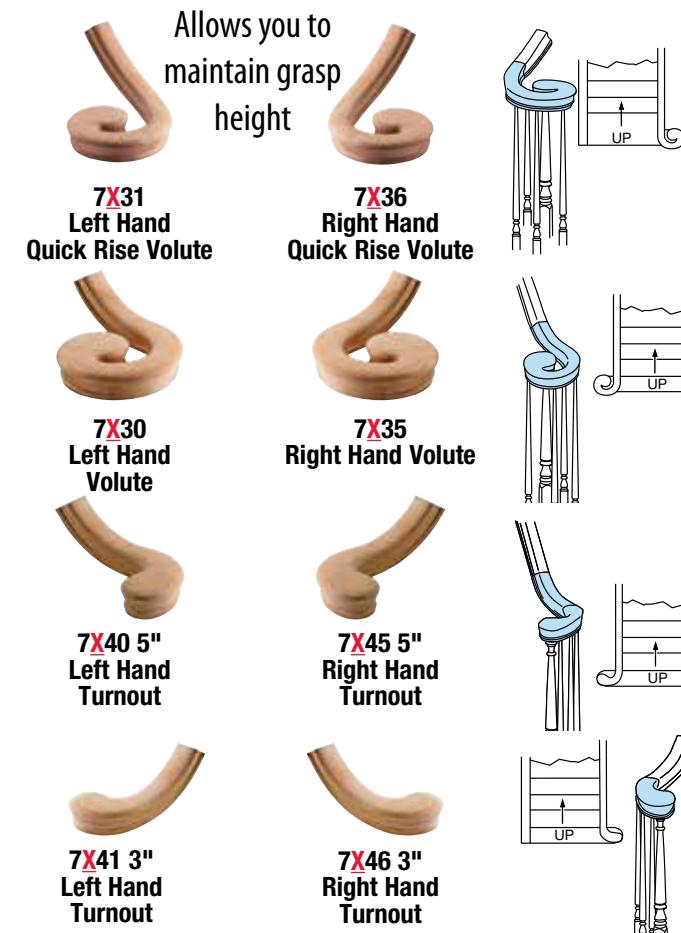


## Caps & Easings

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

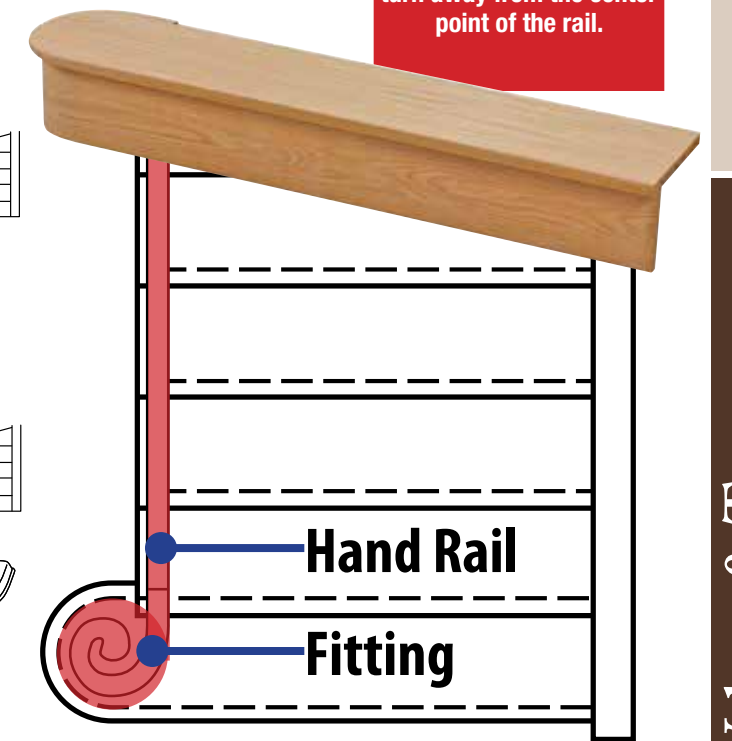


## Volutes & Turnouts - Over the Post Fittings



Allows you to maintain grasp height

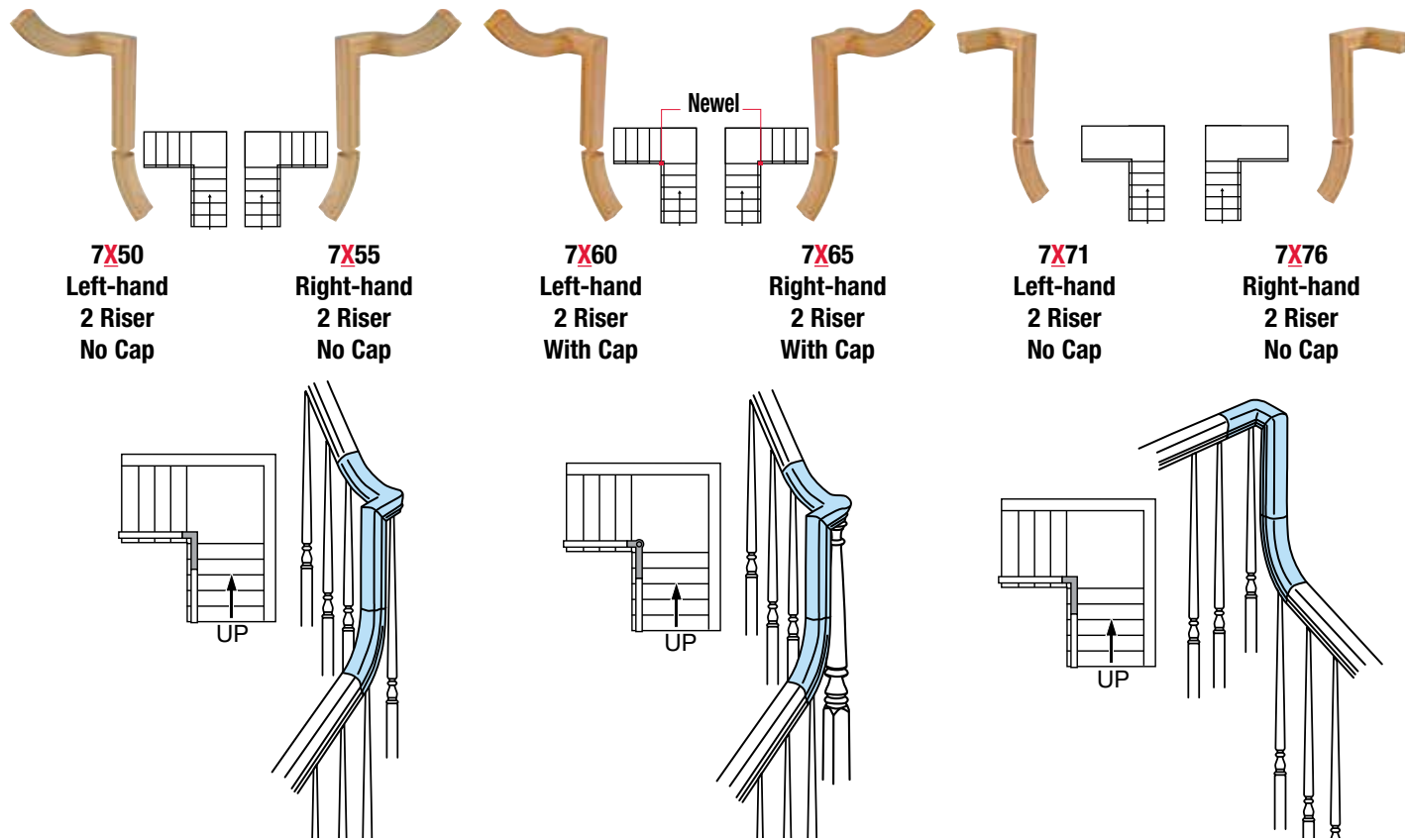
**DID YOU KNOW?**  
A starting step is necessary for fittings that turn away from the center point of the rail.





## Goosenecks

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



**7X50**  
Left-hand  
2 Riser  
No Cap

**7X55**  
Right-hand  
2 Riser  
No Cap

**7X60**  
Left-hand  
2 Riser  
With Cap

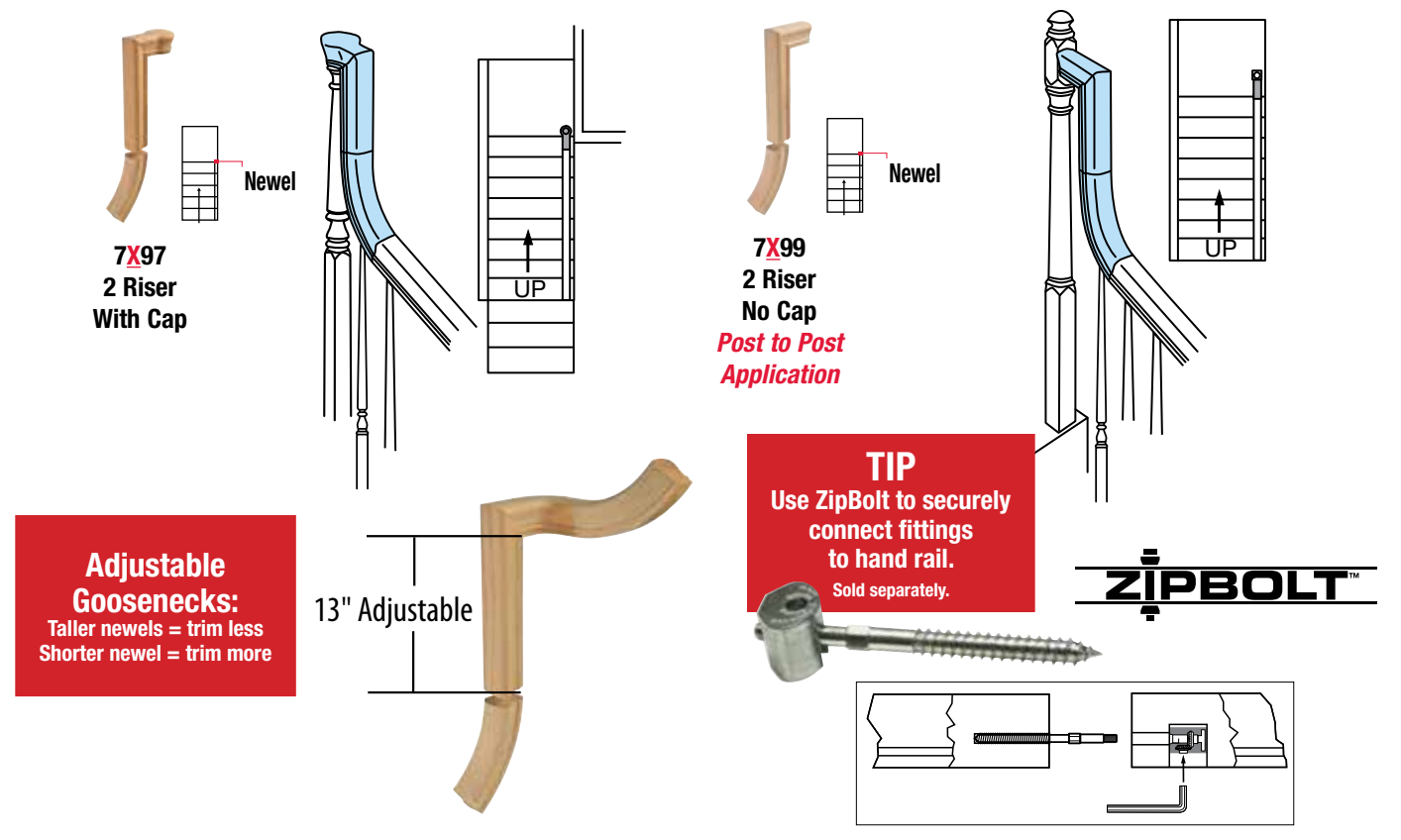
**7X65**  
Right-hand  
2 Riser  
With Cap

**7X71**  
Left-hand  
2 Riser  
No Cap

**7X76**  
Right-hand  
2 Riser  
No Cap

## Goosenecks

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



**7X97**  
2 Riser  
With Cap

**7X99**  
2 Riser  
No Cap  
Post to Post  
Application

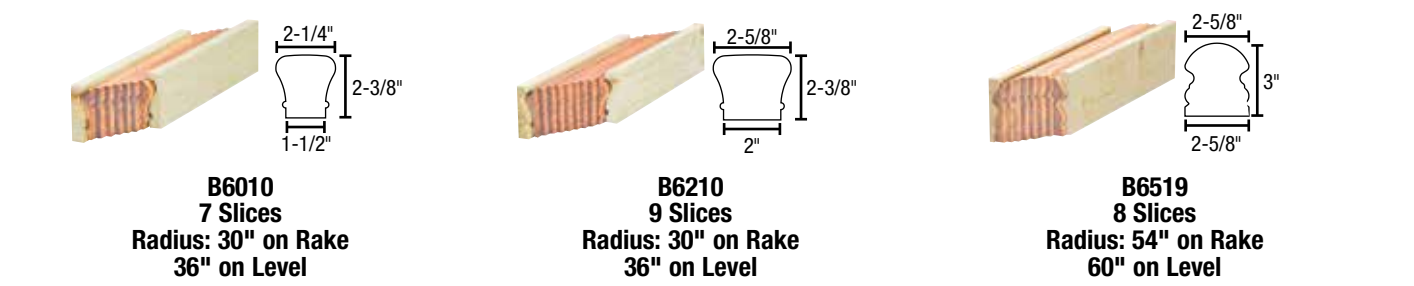
**Adjustable Goosenecks:**  
Taller newels = trim less  
Shorter newel = trim more

13" Adjustable

**TIP**  
Use ZipBolt to securely connect fittings to hand rail.  
Sold separately.



## Bending Rails



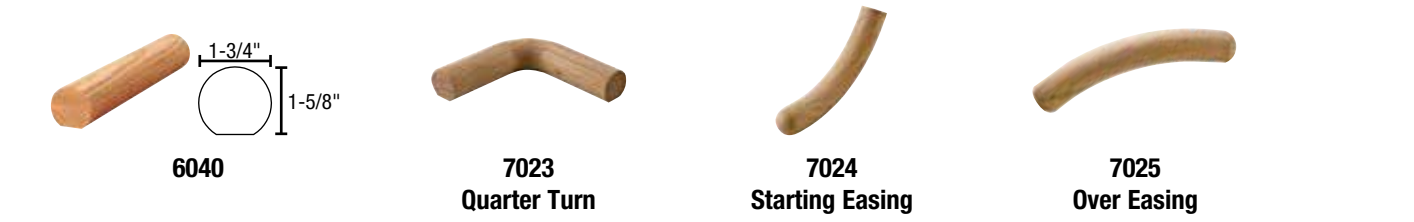
**B6010**  
7 Slices  
Radius: 30" on Rake  
36" on Level

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

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

Note: Bending mould included with all Bending Rails

## Wall Rails



**6040**

**7023**  
Quarter Turn

**7024**  
Starting Easing

**7025**  
Over Easing

# Starting Steps

# Starting Steps

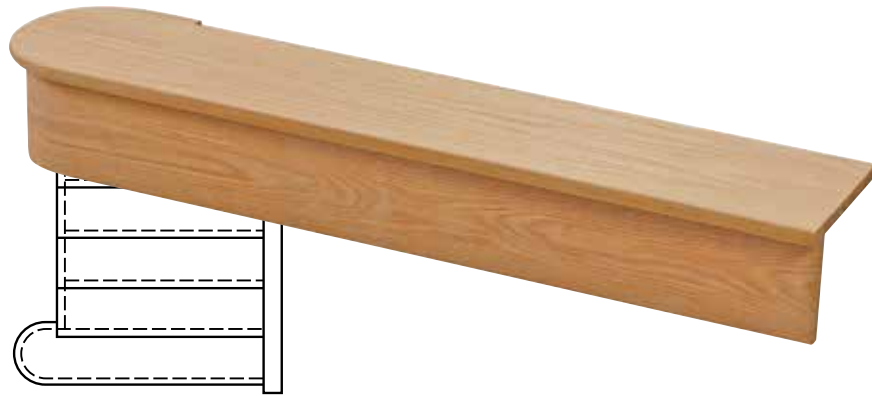
Each step is shipped with the necessary cove and shoe moulding to achieve a finished look.

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

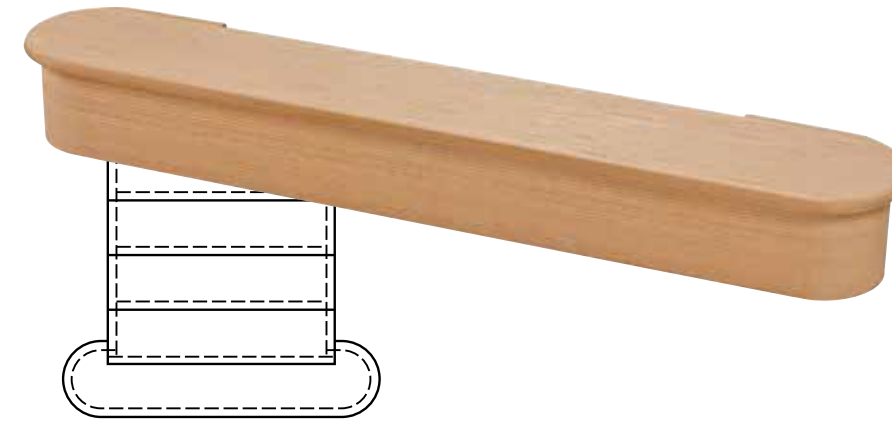
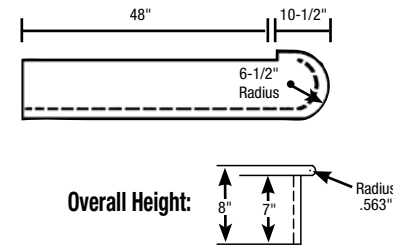
Over the Post Systems

Hand Rail: 6010 | 6210 -USE- Starting Step: 8010 | 8015 | 8015A | 8015B -USE WITH- Standard Volutes and Turnouts

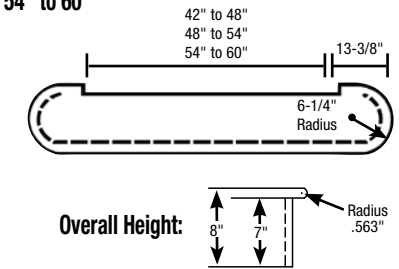
Hand Rail: 6400 | 6519 -USE- Starting Step: 8310 | 8315 -USE WITH- Standard Volutes, Turnouts, and Quick Rise Volutes



**8010**  
Reversible Starting Step  
10-1/2" x 48"



**8015A**  
Adjustable Starting Step  
42" to 48"  
48" to 54"  
54" to 60"

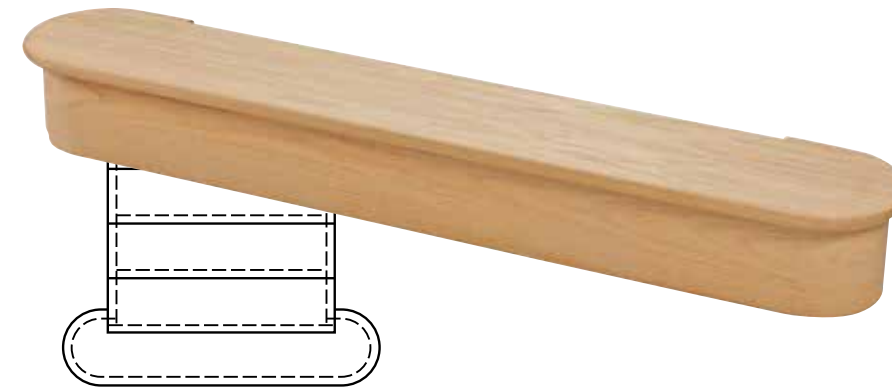
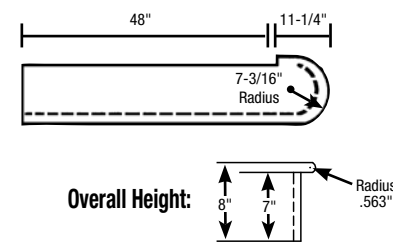


The 8015 adjustable is trimable within a 6" range. Throat opening begins with smaller width but is trimable to larger widths.

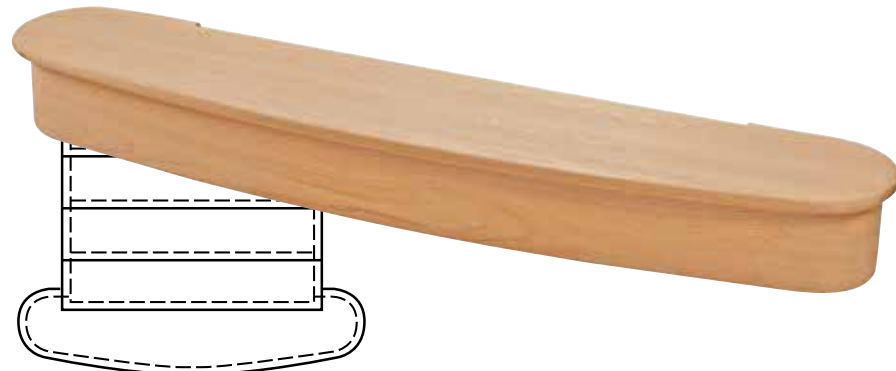
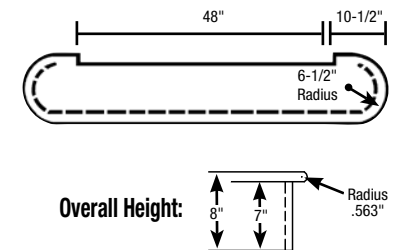
Only available in Oak and Maple



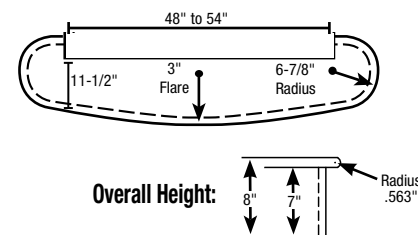
**8310**  
Reversible Starting Step  
11-1/4" x 48"



**8015**  
Double Bullnosed Starting Step  
10-1/2" x 48"

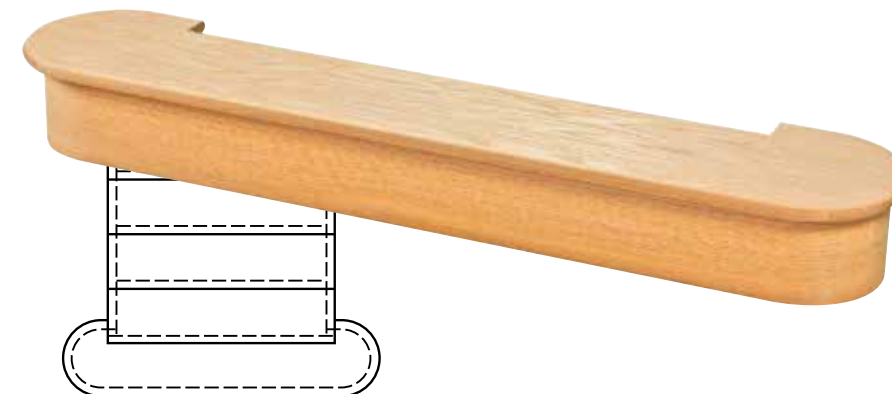


**8015B**  
Bowed Adjustable Starting Step  
48" to 54"

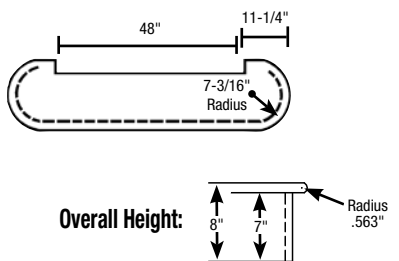


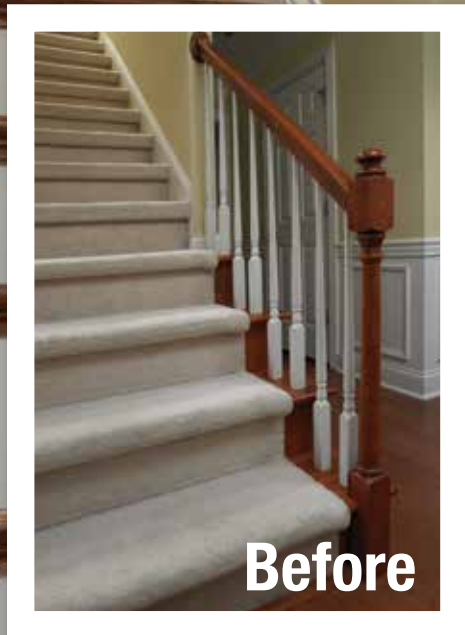
The bowed 8015 adjustable step is trimable within a 6" range. Throat opening begins with a smaller width but is trimable to larger width.

Only available in Oak and Maple



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





Before

**RETROTREAD®**

US Patent #8,141,321 B2 and D661,816 S  
and other patents pending

**RETRO RISER®**

**Upgrade your steps  
from carpet to  
beautiful hardwood**

- Solid hardwood
- Minimal impact on rise
- Superior construction
- Extra-long cove covers imperfections

RetroTread®



**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®



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

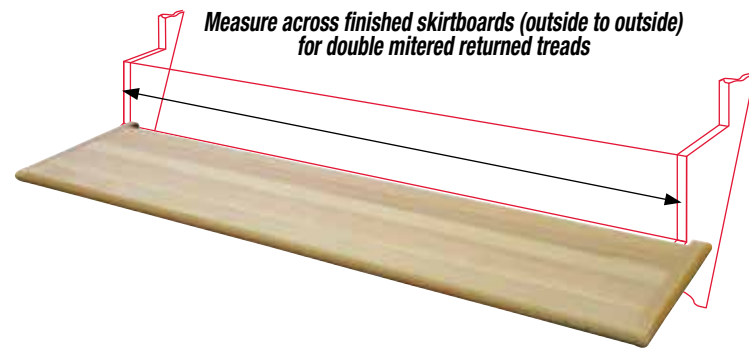
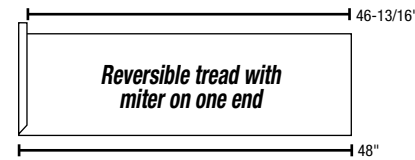
Red Oak | White Oak  
Hard Maple | Primed White Poplar  
Hickory | Brazilian Cherry

## Treads



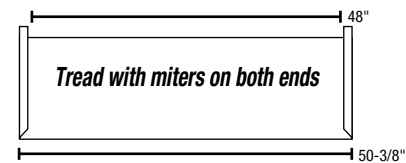
**8070MR**  
Reversible Mitered Return Tread  
1-1/32" x 10-1/2"  
42" | 48" | 54" | 60"  
**42" is SPECIAL ORDER**

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



**SPECIAL ORDER**  
**8070MR2**  
Double Mitered Return Tread  
1-1/32" x 10-1/2"  
48"

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



**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"  
**84" & 96" is SPECIAL ORDER**

## Risers



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

## False Step Components



**8079**  
False Tread / Riser Kit  
6" + Nose x 11" + Nose  
Open Stairway



**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



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



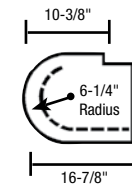
**8071**  
Tread Cap with  
Mitered Return  
Left Hand | Right Hand  
7" x 12-3/4"  
Open Stairway



**8172**  
False Tread / Riser Kit  
6" x 11" + Nose  
Closed 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"

## Newel Mounting Hardware

**3005**  
Keylock Newel Fastener

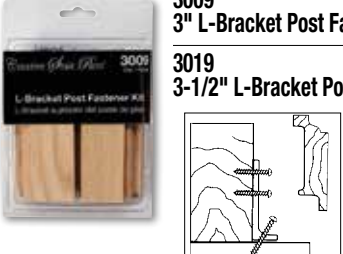



**3006**  
Newel Mounting Plate



**3009**  
3" L-Bracket Post Fastener

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





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



**3070**  
Newel Post Fastener




**Fas-n-Fast™**  
FAST N Fas-N-Fast™  
Newel Installation Kit

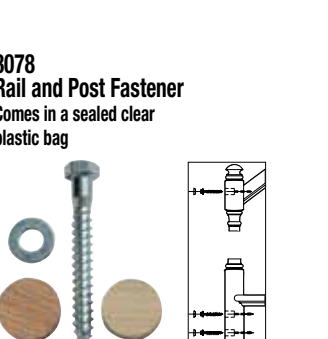


Screws not included


**3004**  
Newel Hardware Kit  
Comes in a sealed clear plastic bag




**3078**  
Rail and Post Fastener  
Comes in a sealed clear plastic bag



**3000**  
1" Tapered Plug



**3026**  
1/2" Button Plug  
50 pack



## Baluster Hardware and Tools

**3076**  
Baluster Screw  
50 pack



**3033**  
Baluster Screw Driver

**3032**  
Rail Bolt Driver



## Rail Fasteners and Hardware

**ZIPBOLT™**



**Rake Installation Angled ZipBolt™**  
A3001 — Single  
(comes sealed in a clear plastic bag)  
A3001-2 — 2 Pack  
(comes as shown to right)



**ZIPBOLT™**



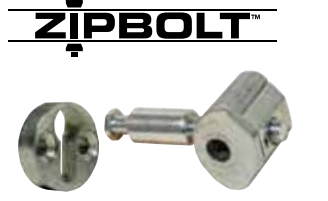
**Fitting Installation ZipBolt™**  
3001SP — Single  
(comes sealed in a clear plastic bag)  
3001SP-2 — 2 Pack  
(comes as shown to right)




**3001DR**  
ZipBolt Driver





**ZIPBOLT™**




**Balcony Installation Slipfix ZipBolt™**  
3001SF — 2 Pack




**ZIPBOLT™**




**Rake Installation Angled Slipfix ZipBolt™**  
A3001SF — 2 Pack



**ZIPBOLT™**



**ZipBolt™ Drill Guide Kit**  
3001DG



**3044**  
Rail Bolt Wrench



**3001**  
Rail Bolt  
(no plug included)

**3079**  
Rail Bolt Kit  
(plug included)



Above kits come sealed in a clear plastic bag

## Wall Rail Bracket



**3002H**  
Wall Rail Bracket  
Wall to Centerline: 2-3/4"  
Brass | Satin Nickel | Chrome | Black

## Post to Post

1. Skirtboard		Select skirtboard at 13" per tread plus any additional length beyond the first and last risers.
2. Treads	pg. 70	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 71.
3. Risers	pg. 70	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 71.
4. Landing Tread	pg. 71	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. 71	Under all treads and landing treads (including mitered-returns), select sufficient lineal footage of cove moulding.
6. Starting Newel	pg. 38-59	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 <i>Newel Length Applications for a Post to Post Stairway</i> on page 75.  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 Newel		When not using a gooseneck, use an intermediate newel with a 14-1/2" top face.  When using a gooseneck, use an intermediate newel with a 5" top face. See <i>Newel Length Applications for a Post to Post Stairway</i> on page 75.  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. 71	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. 72-73	Select a newel mounting kit for each newel post.
13. Rake Balusters (three length system) Open Stairway <b>Wood</b>	pg. 41-59	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.
Rake Balusters (five length system) Open Stairway <b>Wood</b>	pg. 53	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.  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 <b>Iron</b>	pg. 8-31	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 <b>Wood</b>	pg. 41-59	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 <b>Iron</b>	pg. 8-31	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 <b>Wood</b>	pg. 41-59	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 <b>Iron</b>	pg. 8-31	Select the 44" baluster and trim from the bottom to desired length.  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. 61	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. 61	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. 65	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. 62-63	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. 61	Select shoe rail, calculating the required lineal footage at a rate of 13" per tread.
20. Shoe Rail for Level Run	pg. 61	Select shoe rail, calculating the required lineal footage to cover the entire level run.
21. Fillet	pg. 61	Select enough fillet to fill the space between balusters on all plowed hand rail and shoe rail.
22. Baluster Screws (optional, but recommended)	pg. 72	Use one baluster screw for each baluster installed without shoe rail (open treads and level landings without shoe rail).
23. Tread Brackets	pg. 71	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 <b>Iron ONLY</b>	pg. 35	Select one rake shoe for each iron baluster (optional). A flat collar should be used on all level runs.
25. Flat Shoe <b>Iron ONLY</b>	pg. 34	Select one flat shoe for the bottom of each baluster.  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. 72), wall rail brackets (pg. 73), or epoxy (pg. 35) 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.

## Over the Post

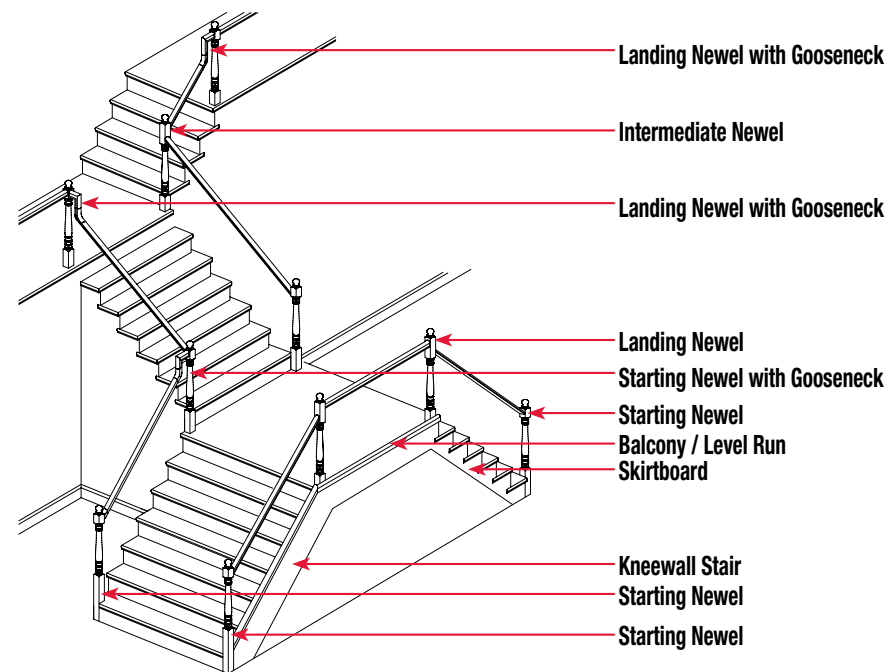
1. Skirtboard		Select skirtboard at 13" per tread plus any additional length beyond the first and last risers.
2. Starting Step	pg. 66-67	For use with standard volutes or turnouts.  Select a single or double bullnose starting step to match floor plan. To determine the appropriate step length, measure 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 <a href="#">page 71</a> .
3. Treads	pg. 70	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 <a href="#">page 71</a> .
4. Risers	pg. 70	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 <a href="#">page 71</a> .
5. Landing Tread	pg. 71	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. 71	Under all landing treads and treads (including mitered-returns), select sufficient lineal footage of cove moulding.
7. Starting Fitting	pg. 63	Select the preferred style of starting fitting: volute, turnout, or starting easing with cap.
8. Starting Newel (43") <b>Wood</b>	pg. 41-59	A 43" starting newel may be used anywhere, except the corner of a landing on an L-shaped stairway.
Starting Newel (50") <b>Wood</b>		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 <b>Iron</b>	pg. 32-33	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 <b>Wood</b>	pg. 41-59	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 <b>Wood</b>		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. 71	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. 72-73	Select a newel mounting kit for each newel post.
13. Balusters Volutes and Turnouts <b>Wood</b>	pg. 41-59	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 <b>Iron</b>	pg. 8-31	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 <b>Wood</b>	pg. 41-59	30" - 34" Rake Rail Height: One 38" baluster 34" - 38" Rake Rail Height: One 42" baluster
Balusters Starting Easing with Cap <b>Iron</b>	pg. 8-31	Use one 44" iron baluster beneath the starting easing, trimming to length from the bottom.
Rake Balusters (three length system) Open Stairway <b>Wood</b>	pg. 41-59	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.

Rake Balusters (five length system) Open Stairway <b>Wood</b>	pg. 53	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.  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 <b>Iron</b>	pg. 8-31	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 Stairways <b>Wood</b>	pg. 41-59	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 <b>Iron</b>	pg. 8-31	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 <b>Wood</b>	pg. 41-59	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 <b>Iron</b>	pg. 8-31	Select the 44" baluster and trim from the bottom to desired length.  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. 61	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. 61	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. 64-65	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. 62-63	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. 61	Select shoe rail, calculating the required lineal footage at a rate of 13" per tread.
20. Shoe Rail for Level Run	pg. 61	Select shoe rail, calculating the required lineal footage to cover the entire level run.
21. Fillet	pg. 61	Select enough fillet to fill the space between balusters on all plowed hand rail and shoe rail.
22. Baluster Screws (optional, but recommended)	pg. 72	Use one baluster screw for each baluster installed without shoe rail (open treads and level landings without shoe rail).
23. Tread Brackets	pg. 71	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 <b>Iron ONLY</b>	pg. 35	Select one rake shoe for each iron baluster (optional). A flat collar should be used on all level runs.
25. Flat Shoe <b>Iron ONLY</b>	pg. 34	Select one flat shoe for the bottom of each baluster.  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 ( <a href="#">pg. 72</a> ), wall rail brackets ( <a href="#">pg. 73</a> ), or epoxy ( <a href="#">pg. 35</a> ) for iron installations.

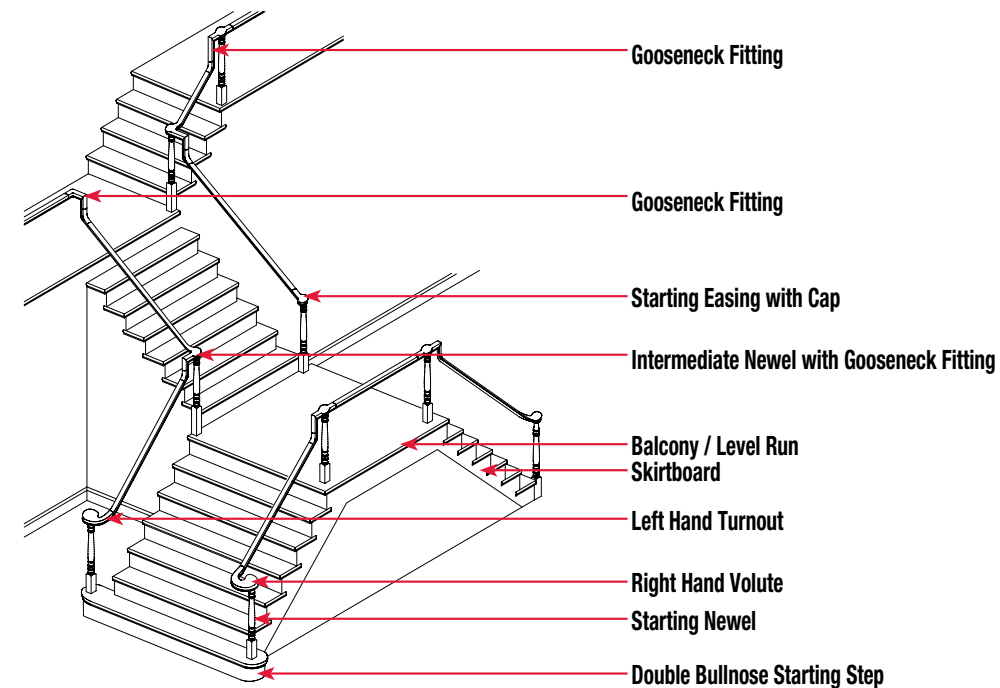
### Newel Length Applications for an Over the Post Stairway

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.

## Post to Post Stairway



## Over the Post Stairway



**90 Degree Upeasing** 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.

**Balustrade** 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.

**Carriage** 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.

**False Riser** 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 alternative 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.

**Fillet** 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.

**Hand Rail** 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.

**Intermediate Newel Post** 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.

**Landing Tread** 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.

**Tread** The part of a step that is walked on.

**Tread Bracket** Decorative piece mitered to the riser and fastened on the side of an open skirtboard.



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