



Policies

The following apply to all WM Coffman customers:

TO ORDER

Provided you meet the qualifying criteria, a sales representative will guide you through the set up process. You will be granted a multiplier code to enter on our electronic price list. When you're ready to order, simply email or fax our customer service department during business hours stated on the back cover.

On Time

Deliveries

Perfect

Orders

PRICING

Prices are derived via a multiplier system (set up at the time of becoming a customer) and may be reviewed or adjusted to accommodate for market volatility. Prices shown on invoices are final and must be paid accordingly.

TERMS

Subject to credit approval, payment terms are Net 30 after the date of the invoice.

SHIPMENT

will Orders be processed for from shipment one of our Distribution Shipping Centers. charges pre-paid and added to invoices unless other arrangements have been pre-approved. Freight estimates quotes are and subject to change based on actual weight at time of shipment. statement is available to you and your customers in compliance with the Magnuson-Moss Warranty Act of 1975. All stair parts are for interior use and installation only – unless otherwise stated in the product description.

RETURNS AND CANCELLATIONS

Prior approval must be obtained before returning any merchandise. All returns are limited to merchandise purchased during the past 90 days and must be in the original box and be in good, saleable condition. Merchandise approved for return is subject up to a 50% Restocking Fee. Stock returns will

Fill

Rates

Quality

Control

additionally require a re-purchase of equal value at the time of the return. Merchandise must be returned freight prepaid. Items which have been installed, painted, or modified for any reason may not be returned.

credit and acceptance of returns, a WM Coffman supplied Return Goods Authorization number should indicated be on RGA returns. is valid for 30 days. After an order has been staged for shipping charges or no modifications are allowed unless approved by customer service.

In order to insure proper

SPECIAL ORDERS

Orders for Special or Custom Parts are not subject to return or cancellation. A 50% deposit may be required on any custom order.

WARRANTY

For a limited period of one year from date of shipment (12 months). WM Coffman products are warranted to be free from manufacturing defects in material and workmanship (please refer to WM Coffman Product Specifications for a list of natural variances acceptable within our family of products). If found to be defective by us, such products will be exchanged or credited at the customer's option. Do not return merchandise without prior approval. WM Coffman Resources, their employees, servants or agents shall not be responsible for the improper use of our products. Labor charges and/or damage incurred during installation, repair or replacement as well as incidental and consequential damages are excluded. No other warranties or responsibilities for safety or performance are either expressed or implied. A complete Limited One Year Warranty

PAYMENTS

Lead

Times

Best

of Class

Customer

Service

Quotes

Pricing

Remittances are payable in U.S. Currency to: WM Coffman Resources , LLC PO Box 83070 Chicago, IL 60691-3010

CLAIMS

Claims for shortages or manufacturing defects must be made to WM Coffman within 7 calendar days of the receipt of order. Please verify counts or identify damages before signing a Bill OF Lading receipt. WM Coffman is not responsible for shortages unless noted on the delivery receipt/ Bill of Lading.





Stair Design

Six Easy Steps to Create an Elegant Staircase Creating a staircase just the way you want it is easier than ever with WM Coffman Resources. Whatever your personal style or type of home, you'll enjoy turning the stairway that you imagine into a beautiful creation. Our step-by-step process below will help guide you to a perfectly crafted staircase. Have any questions? Our dedicated team of stair professionals are here to help. Contact us at (800) 810-9204 or email us at sales@wm-coffman.com and also check us out at www.wm-coffman.com.

STEP 1 Choose an Over-The-Post or Post-To-Post Sytem

Over-The-Post stairways incorporate a continuous handrail that is set atop the newels and balusters for the length of the stair run and allow for the use of a variety of decorative fittings. Post-To-Post stairways feature a handrail that connects into an upper square block on the newel.





STEP 2 Select Your Baluster Style

All wood balusters are either pin top or square top. Pin top balusters have turned, round tops that are inserted into holes drilled into an unplowed handrail (as well as Iron Balusters). Square top balusters have a turned portion, leaving a square upper and lower portion. Square top balusters require a plowed handrail and fillet.





STEP 3 Select Your Handrail

Most handrails are available either plowed or unplowed, as shown in the pictures, and are designed to correspond to your selection of baluster type. You can select handrail style options presented within each WM Coffman stairway Collection...or mix and match the rail that you prefer. Just make sure to note the plow size to the baluster width when using Square Top Balusters.











STEP 4 Choose Your Collection

Our extensive Collections are created to fit your style and your home's interior setting. Their design possibilities are almost limitless. Find the look that works best for you. Choose the profile you like and combine it with your preference of Newel design.

Iron Collections

Twist & Basket Series Versatile Series Ribbon Series Gothic Series Mediterranean Series Many More!

Hardwood Collections

Traditional Series Classic Series Hampton Series Craftsman Series Bristol Series Many More!





STEP 5 Select Your Wood Species

Give your staircase a personal touch with beautiful wood. Consider selecting from our standard species that include Red Oak, Poplar, Hard Maple, Beech, and White oak. Add a higher degree of distinction with virtually any custom wood species. We will craft virtually any style of stair in the exotic specie of your choice. Contact us today for information at sales@wm-coffman.com



STEP 6 Add Detail with Design Options

Enhance your staircase with a wealth of decorative design accessories. Our appealing array of starting steps, rosettes and tread brackets provides finishing touches to create a richly decorated stairway that you and your family will cherish. You will find many finely crafted options throughout this book to help you create your perfect stairway.



Rosette



Starting Step

0

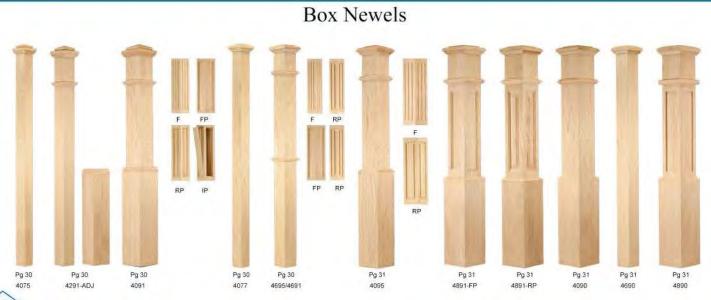
Tread Bracket



Tread Cap

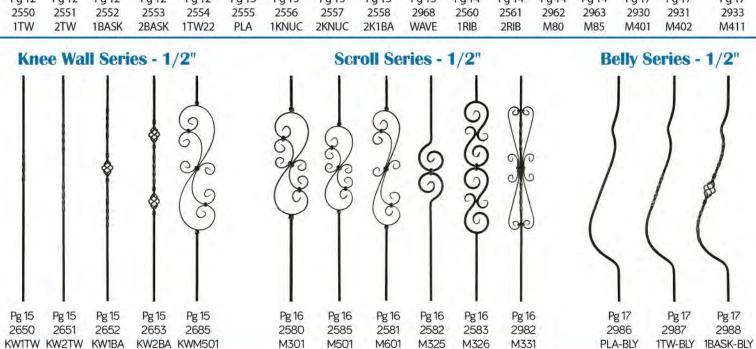


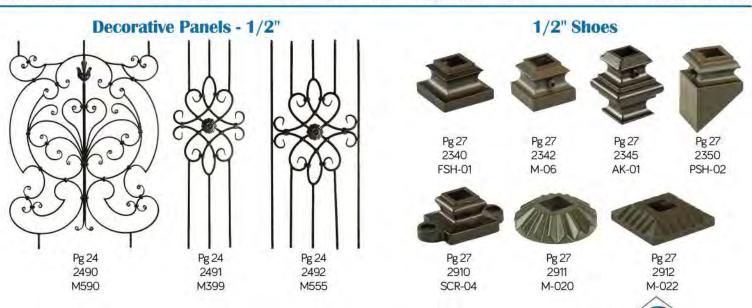
Box Newels



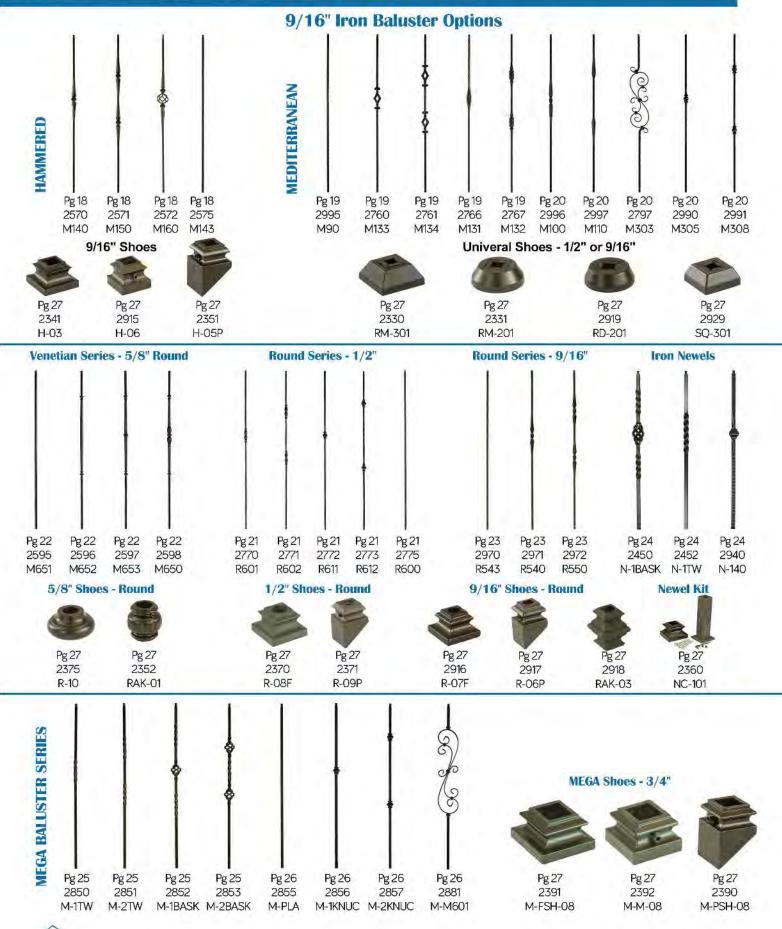
Iron Collection







Iron Collection





WM Coffman Iron Collections Available Iron Finishes



ABZ Antique Bronze



BLK Flat Black



ORB Oil Rubbed Bronze



ORC Oil Rubbed Copper



PC Grey Black

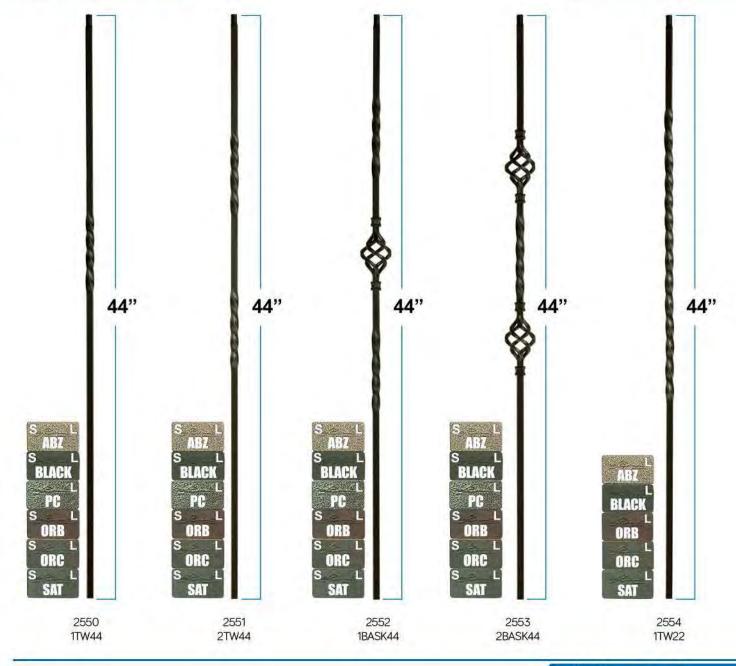


SAT Satin Black



Twist & Basket series

1/2" Square



1/2" Square Shoe &





1/2" Square Versatile series 44" 44" 44" 44" ABZ ABZ ABZ ABZ ABZ BLACK BLACK BLACK ORB ORB ORB BLACK BLACK ORC ORC ORC ORB ORB PC PF PC ORC ORC SAT SAT SAT SAT 2555 PLA44 2556 2557 2968 2558 1KNUC44 2KNUC44 2KNUC1BASK44 WAVE44

Knuckle Options





SCR-04



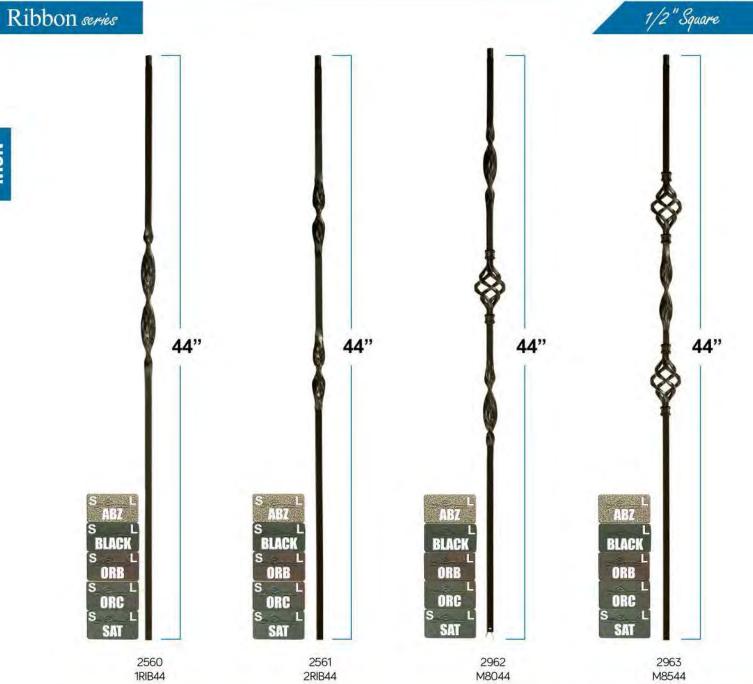






M-022





2RIB44

1/2" Square Shoe &

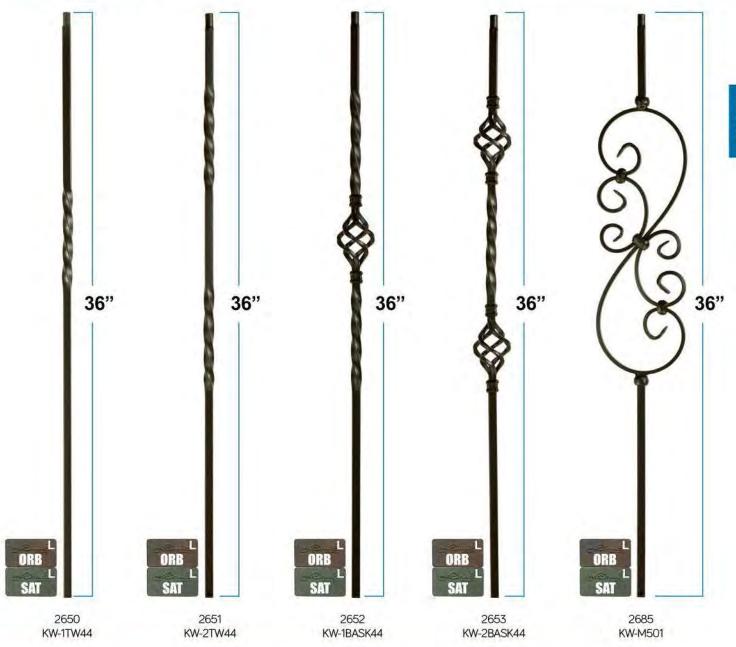


M8044

1RIB44

1/2" Square

Knee Wall series - 36" length



Knuckle Options









BLACK



M-022



Scroll series

1/2" Square



1/2" Square Shoe &



1/2" Medallion series Belly series 44" 44"

Knuckle Options

2930

M40144

BLACK

S L Black





2931

M40244

BLACK

2910 SCR-04



2933

M41144



SAT

2986

PLA40-BLY

2911 M-020



SAT

2987

1TW40-BLY



SAT

2988

1BASK40-BLY

2912 M-022





9/16" Square Shoe Options





2341 H-03



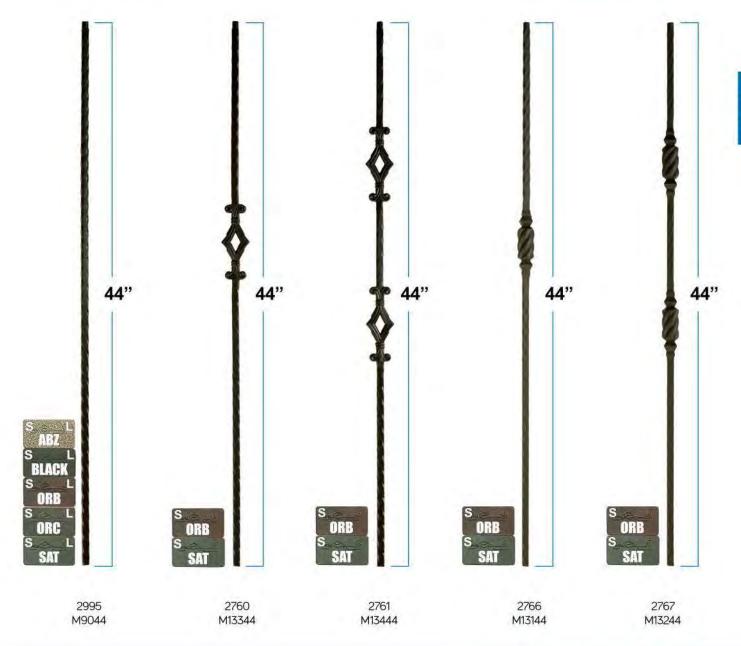






9/16" Square

Mediterranean series



9/16" Square Shoe Options



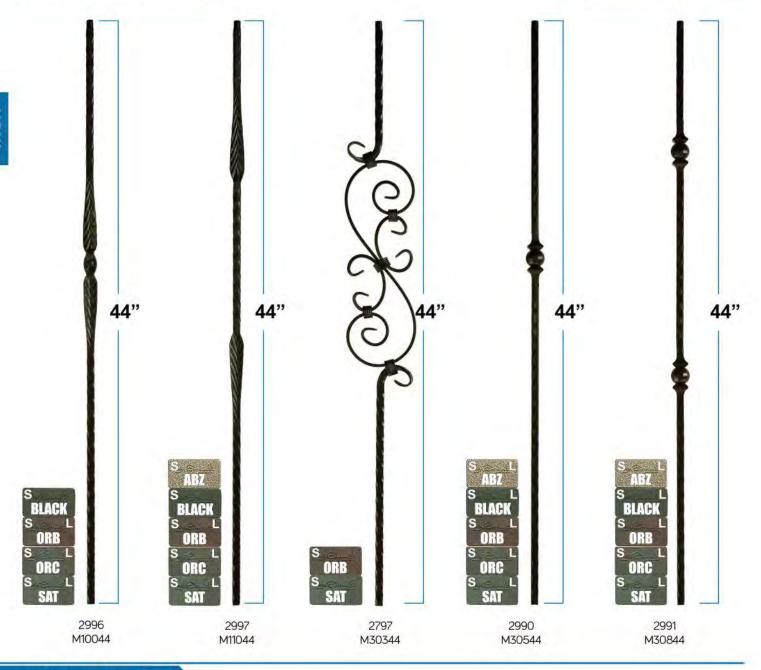






Mediterranean series

9/16" Square



9/16" Square Shoe Options









1/2" Round

1/2" Round series



1/2" Round Shoe Options



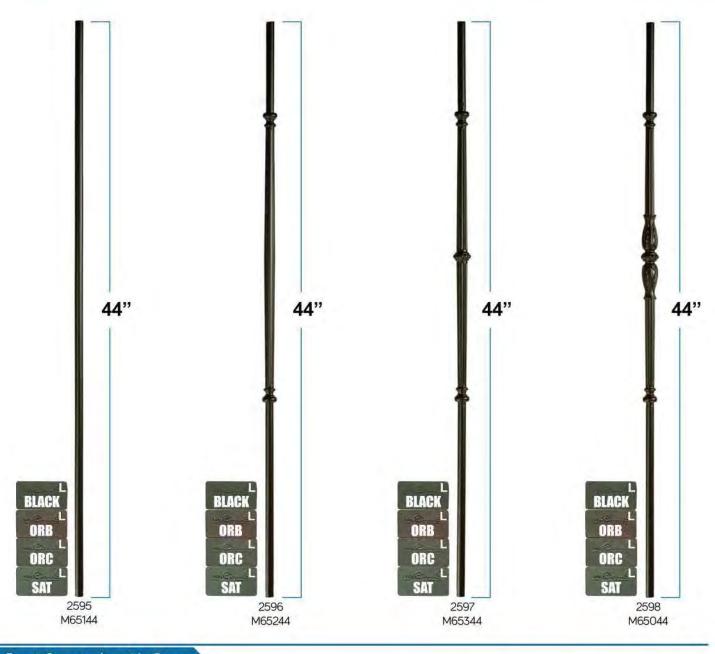






5/8" Round

Venetian series



5/8" Round Shoe & Knuckle Options

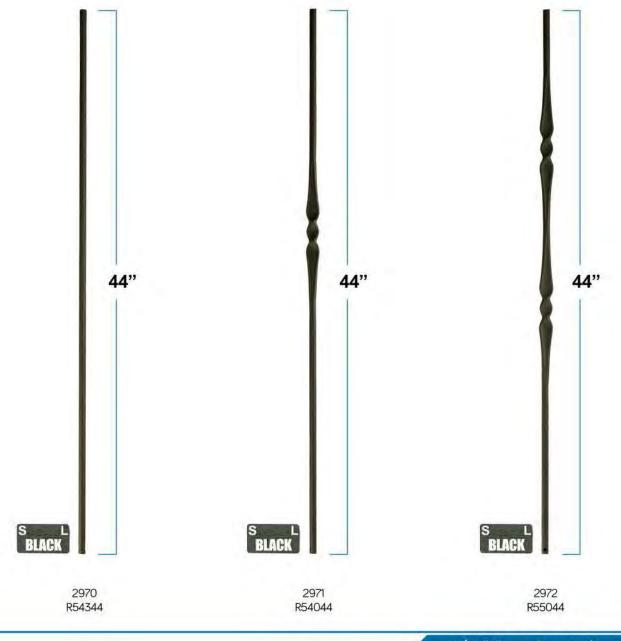






Round 9/16" series

9/16" Round

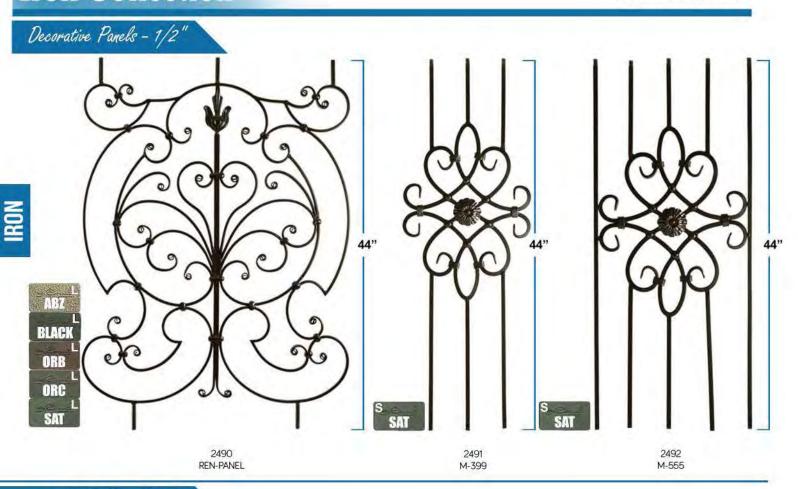


9/16 "Round Shoe & Knuckle Options





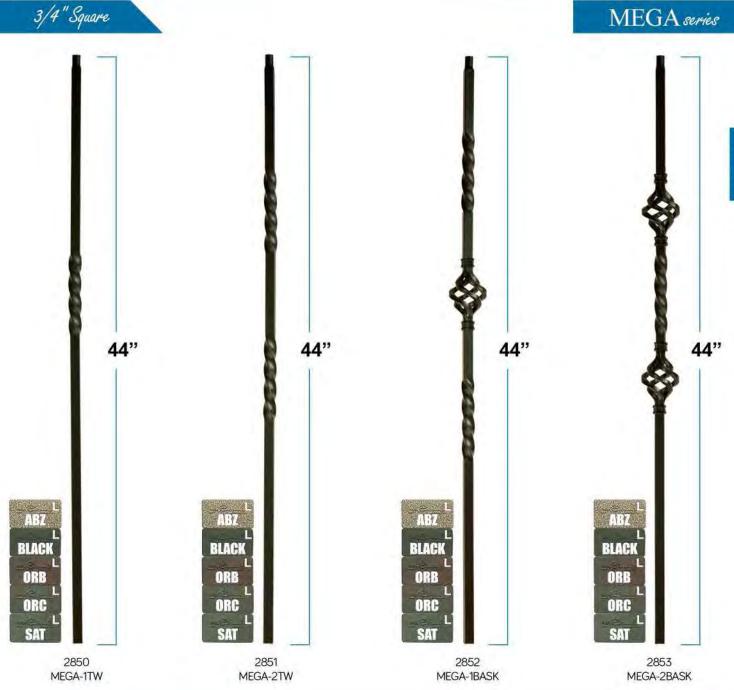




1-3/16"- Iron Newels







3/4" MEGA Square Shoes





2390 MEGA-PSH-08





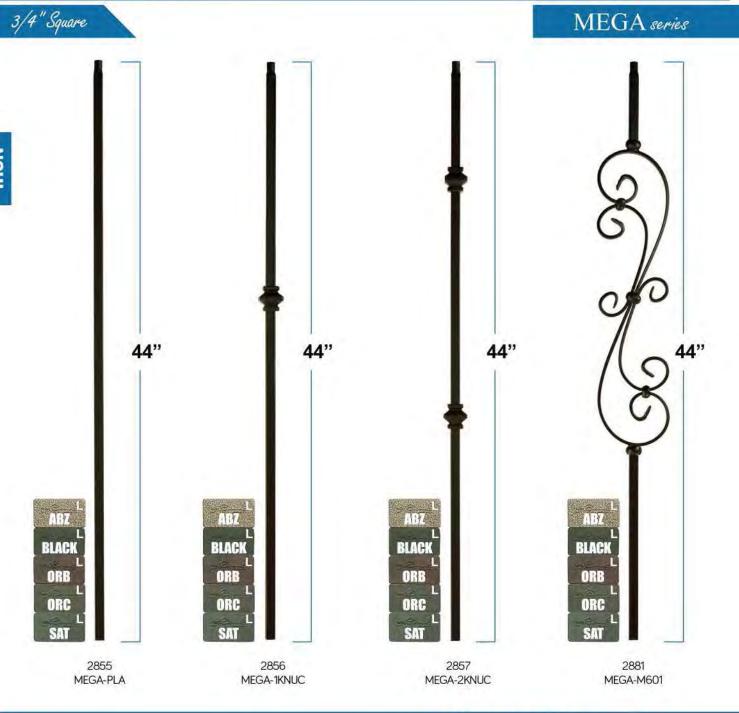
2391 MEGA-FSH-08





2392 MEGA-M-08





3/4" MEGA Square Shoes





2390 MEGA-PSH-08



SAT

2391 MEGA-FSH-08





2392 MEGA-M-08



1/2" Shoes & Knuckles



FSH-01



M-06



AK-01



PSH-02



SCR-04



2911 M-020



2912 M-022



2370 R-08F



R-09P

9/16" Shoes & Knuckles



2341 H-03



2351 H-05P



2915 H-06



2916 R-07F



2917 R-06P



2918 RAK-03

1/2" & 9/16" Universal Shoes



2330 RM-301



2331 RM-201



2919 RD-201



2929 SQ-301

3/4" MEGA Shoes



MEGA-PSH-08



2391 MEGA-FSH-08



2392 MEGA-M-08

Other Shoes



2375 R-10



2352 RAK-01





Handrail Brackets / Iron Epoxy Adhesive Systems

Wall Rail Brackets









Rail brackets are shipped with all installation hardware



Job-Lot Epoxy Adhesive Systems

Epoxy Glue System



2301 Adhesive (Approximately 20 balusters per tube. Open work time - 25 minutes) 2303 Extra Mixing Nozzles (Packed 10 ea.)

Epoxy Glue System - Option 2



2901 / F-300 8.5 oz. Epoxy (Approximately 50-70 balusters per tube. Open work time - 25 minutes)

Epoxy Glue System All-in-one Kit



Adhesive Kit
5 oz. Adhesive
Cartridge and
Nozzle to be
used in standard
caulking gun.
(Approximately 50 balusters per tube.
Open work time - 6 minutes)



Wood Collection

WM Coffman Finely Crafted Wood Collections Available Stocking Wood Species









Select Primed Newels and Balusters available



Quick Ship Custom Program — Available Species

Contact Customer Service at Sales @WM-Coffman.com for information and request a Quick Ship List Price Catalog

















Custom Species



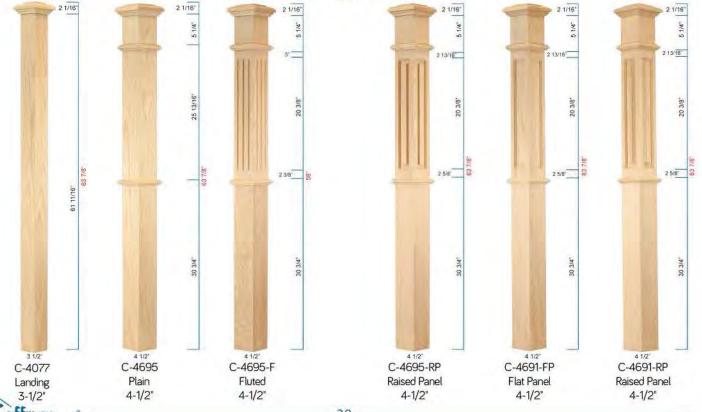
Wm Coffman's Box Newel Collection offers you the ability to enhance the appearance of your stair with an impressive and bold style that blends with any of our rail and baluster options.



Removeable Cap Style Box Newels



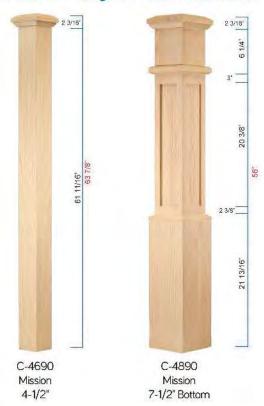
Fixed Cap Style Box Newels



Fixed Cap Style Box Newels



Mission Style Box Newels





Shown: C-4891-FP Flat Panel Newel, C-6110 P1 Handrail, C-7112S Up Easing & C-5141 Balusters

Interchangeable Box Newels

WM Coffman's NEW InterChangeable Box Newel Collection offers you the ability to create the perfect box newel for any stair.

Choose your Post

Plain or Flat Panel 3-1/2", 4-1/2" or 5-1/2" 62" or 72" Available in: Flat Panel Red Oak

Poplar

Primed

Need a Sleeve?

Available to fit all size Posts 3-1/2",4-1/2" or 5-1/2"

Overall Sleeve Width 3-1/2" Post -- 5" Overall 4-1/2" Post - 6" Overall 5-1/2" Post - 7" Overall



Available in: Red Oak Poplar Primed

Choose your Cap/Trim

Available to fit all size Posts 3-1/2",4-1/2" or 5-1/2"

Cap & Trim comes in 1 box and ready to install



Red Oak

Available in: Red Oak Poplar Primed Hard Maple Mahogany White Oak















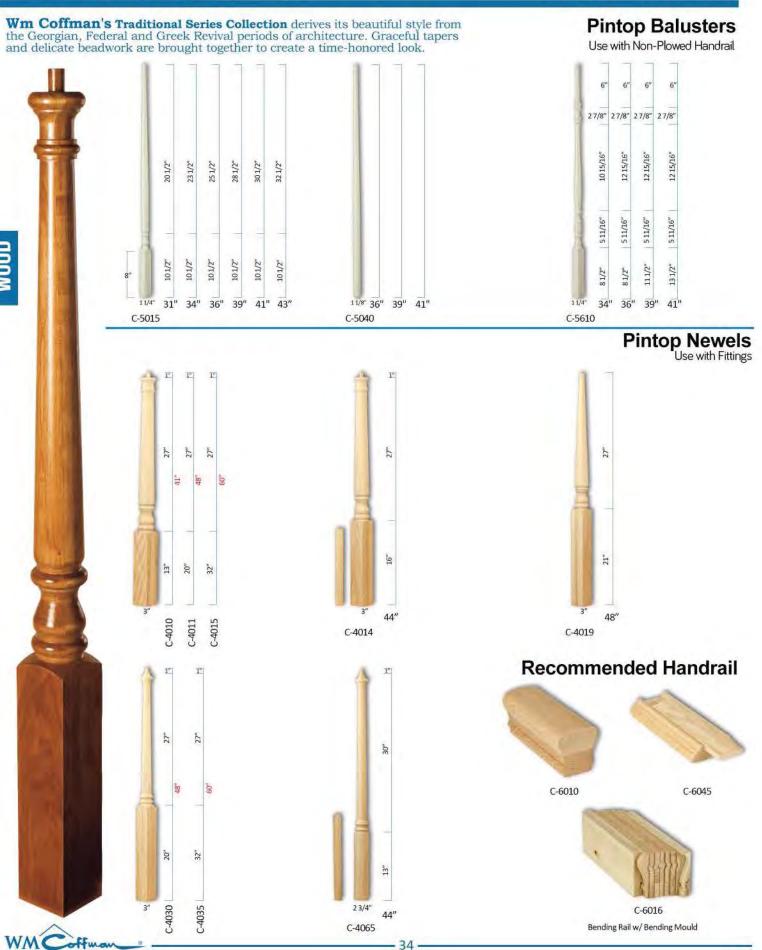
Plain Primed Post w/ Mahogany Cap/Trim Set & Primed Sleeve



Wood Collection

WM Coffman offers nine Hardwood Collections to make it easy to create the style, scale and look that's right for any room or foyer. Select your personal preference from a broad array of designs that range from the standard Traditional to more contemporary looks that easily adapt to any decor. Each unique collection and profile can be crafted from your choice of standard or premium wood species or contact us for a more exotic wood if you desire.

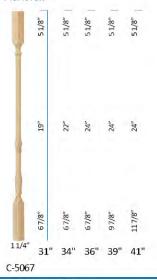




Post-to-Post

Square Top Balusters

Use with Plowed Handrail





Square Top Newels Post-to-Post

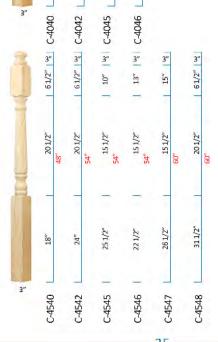


Available in Mushroom Top & Ball Top

C-4040 Red Oak Available as Half Newel

Recommended Handrail





2 3/8"

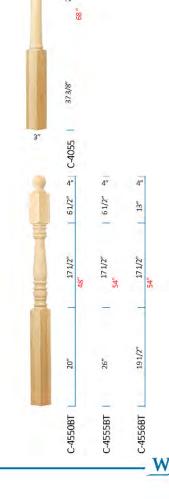
2 3/8"

10,

237/8"

207/8"

2 3/8"



2 3/8"

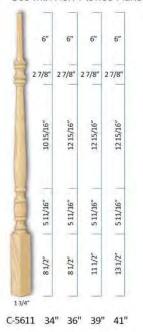


Wm Coffman's Hampton Collection offers a combination of pure straight lines, detailed carvings & bold proportions.



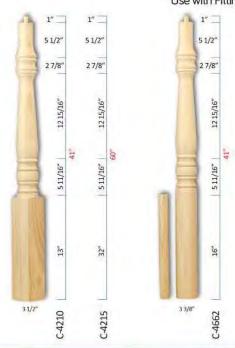
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



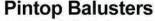
Recommended Handrail



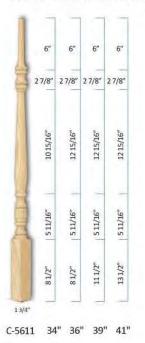
Classic Series

Over-the-Post

The Classic Collection is a blend of fine craftsmanship and purity of proportion. Balanced turnings accentuate an expertly carved urn, resulting in a profile recognized for its refined design.



Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings





C-6110



Recommended Shoerail

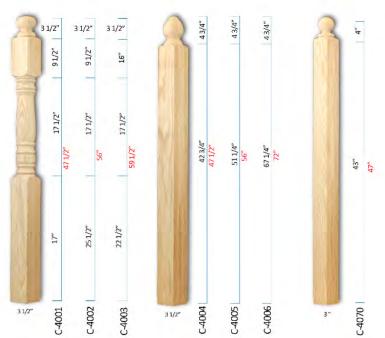




Hampton Series

Square Top Newels

Square Top Balusters Use with Plowed Handrail







Recommended Handrail



Classic Series

Square Top Newels

Square Top Balusters
Use with Plowed Handrail



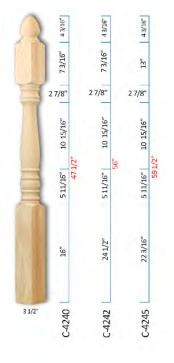
C-6110P1

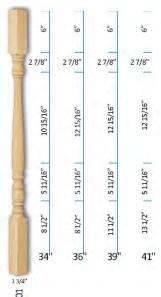


Recommended Shoerail





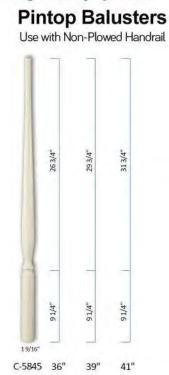






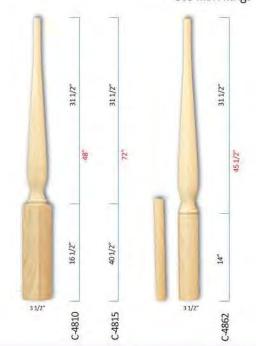


Wm Coffman's Hampton Collection offers a combination of pure straight lines, detailed carvings & bold proportions.



Pintop Newels

Use with Fittings



Recommended Handrail



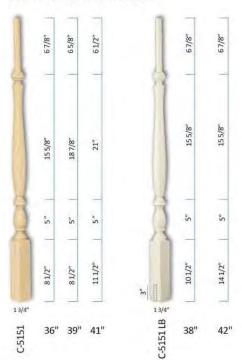
Bristol Series

Over-the-Post

The Bristol Collection offers elegant detailing and simple design that offers tremeandous versatility.

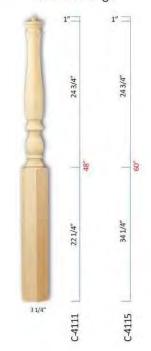
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings





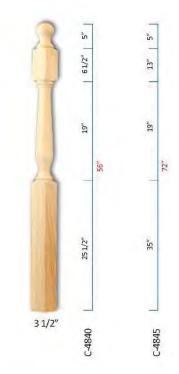


Recommended Shoerail





Square Top Newels



Recommended Handrail





Post-to-Post

Bristol Series

Square Top Balusters Use with Plowed Handrail

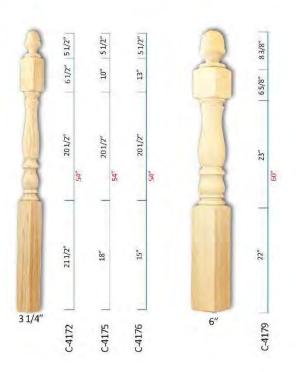


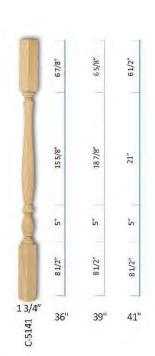




Recommended Shoerail

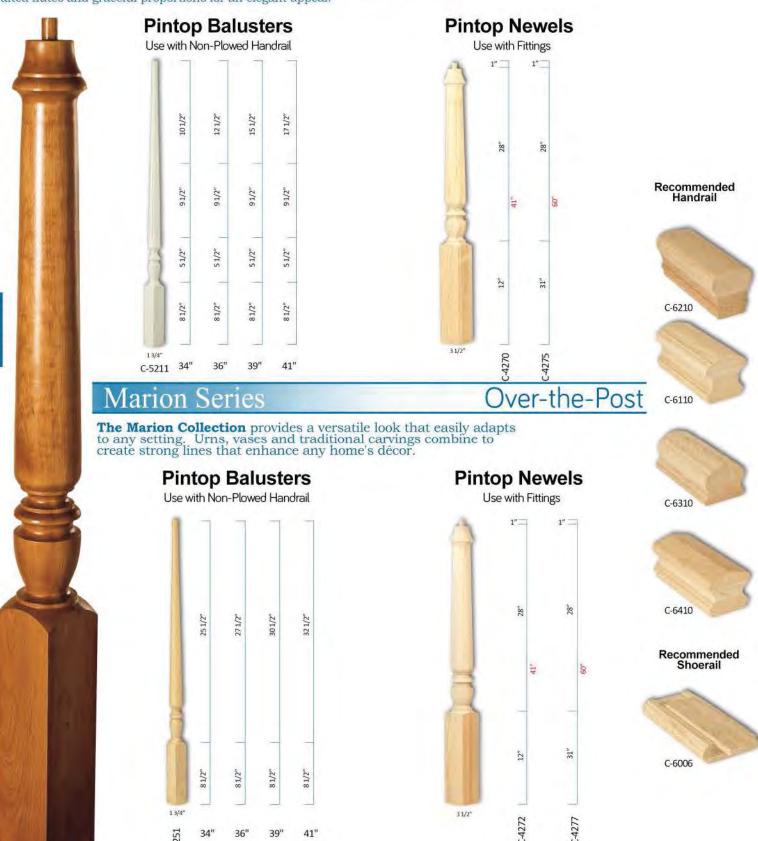








Wm Coffman's Chippendale Collection celebrates the refined style made famous by master furniture maker, Thomas Chippendale. Balusters and Newels feature carefully crafted flutes and graceful proportions for an elegant appeal.



Chippendale Series

Square Top Newels

13"

13"

Square Top Balusters Use with Plowed Handrail



Recommended Handrail





Post-to-Post

Square Top Newels



Square Top Balusters Use with Plowed Handrail



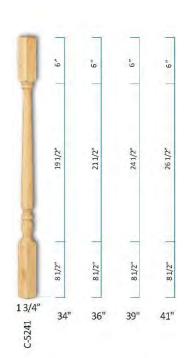
C-6110P1







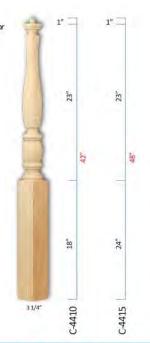




Wm Coffman's Richmond Collection of Newels offers a rich look when combined with any WM Coffman wood collection balusters or pair with wrought iron to create an inviting staircase.

Pintop Newels Use with Fittings

Mix and Match with Art Deco, Bristol or Marion Series Balusters for a creative look or match with any of our finely crafted wrought iron





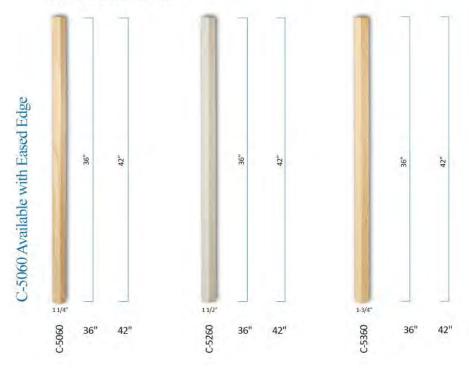
Craftsman Series

Post To

The Craftsman Collection offers the contemporary look of modern components. The straight lines and eased edges will please the eye and the touch.

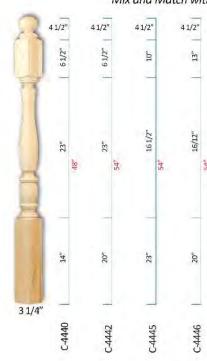
Square Top Balusters

Use with Plowed Handrail



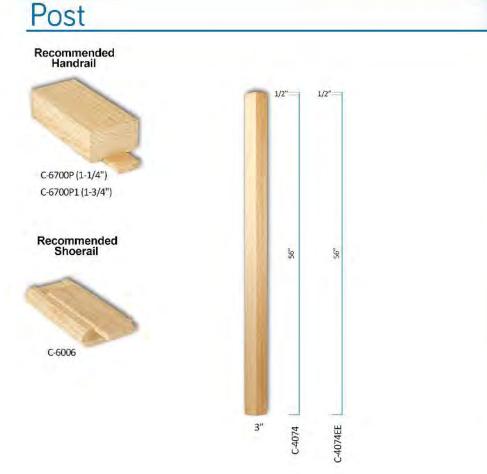


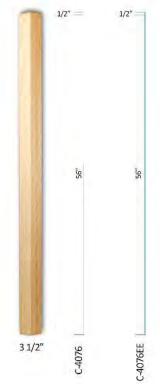
Square Top Newels Mix and Match with Art Deco, Bristol or Marion Series Balusters for a creative look



Craftsman Series

Square Top Newels Use with Plowed Handrail



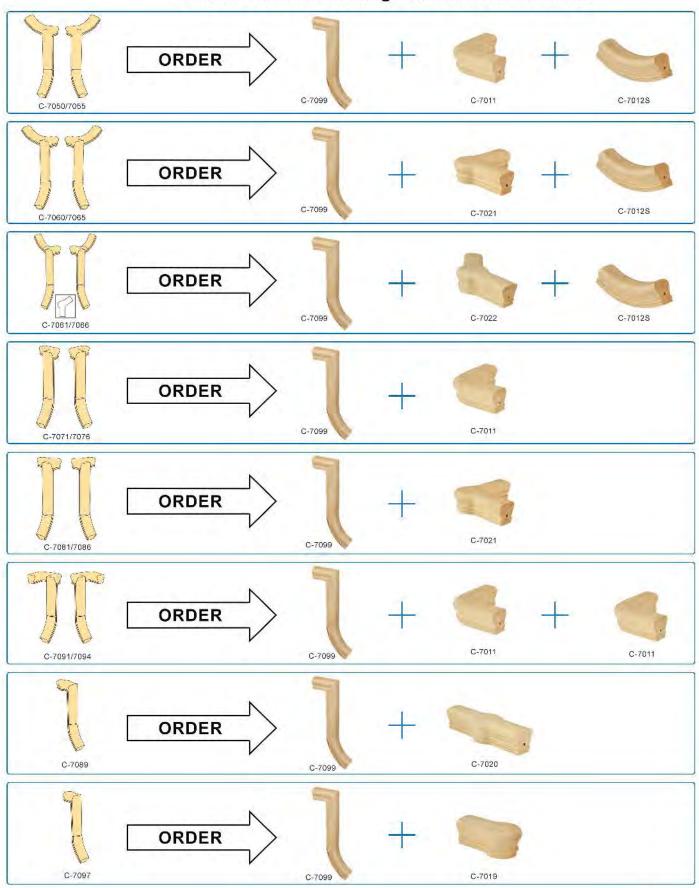




Traditional Handrail 7 piece w/ Bending Mould C-6010 C-6010 Plowed (1-1/4") C-6016 Bending Rail 2-1/4" x 2-3/8" 2-1/4" x 2-3/8" 2-1/4" x 2-3/8" Classic Handrail 8 piece w/ Bending Mould C-6216 Bending Rail C-6210 C-6210 Plowed (1-3/4") 2-5/8" x 2-3/8" 2-5/8" x 2-3/8" 2-5/8" x 2-3/8" **Bristol Handrail** 9 piece w/ Bending Mould C-6110 C-6110 Plowed (1-3/4") C-6116 Bending Rail 2-3/4" x 2-3/4" 2-3/4" x 2-3/4" 2-3/4" x 2-3/4" Richmond Handrail 9 piece w/ Bending Mould C-6410 Plowed (1-3/4") C-6416 Bending Rail C-6410 2-5/8" x 2-3/8" 2-5/8" x 2-3/8" 2-5/8" x 2-3/8" **Georgian Handrail** Craftsman Handrail C-6700 Plowed (1-1/4") C-6700 Plowed (1-3/4") C-6310 2-5/8" x 2-1/4" 2-1/2" x 1-5/8" 2-1/2" x 1-5/8" **Shoe Rail** Wall Rail C-6045 Plowed (1-1/4") C-6006 Plowed (1-3/4") C-6040 C-6042 2-1/2" x 3/4" 2-5/8" x 2-1/4" 1-11/16" x 1-1/2" 2-1/4" x 1-9/32" Fillet C-6050 C-6007 1-1/4" 1-3/4"



WM Coffman Line of Fittings - Match for Goosenecks



WM Coffman Fittings



C-6010 **Traditional**



C-6210 Classic



C-6110 **Bristol**

Starting Fittings



C-7031 Vertical Volute



C-7030/C-7035 C-7230/C-7235 C-7130/C-7135 C-7430/C-7435 C-7330/C-7335 Left Hand/RightHand Volute Volute



C-7010 C-7210 C-7110 C-7410 C-7310 Starting Easing With Cap



C-7240/C-7245 C-7140/C-7145 C-7440/C-7445 C-7340/C-7345 Left Hand / Right Hand Turnout

Transition Fittings



C-7007 C-7207 Coped End



C-7009 C-7209 C-7109 Returned End



C-7011 C-7211 C-7111 C-7411 C-7311 Level Quarterturn 90°



C-7012S C-7212S C-7112S C-7412S C-7312S Up Easing



C-7013 C-7213 C-7113 C-7413 C-7313 Over Easing

C-7020

C-7220

C-7120

C-7420

C-7320

Tandem Cap



C-7014S C-7214S C-7114S C-7414S C-7314S Up Easing 90°

C-7021

C-7221

C-7121

C-7421

C-7321

Quarterturn Cap 90°



C-7216 Over Easing Returned End





C-7022 C-7222 C-7122 C-7422

Level Cap 45°



Opening Cap

C-7026 C-7226 C-7126 Level Turn 45°



C-7047LH/C-7047-RH C-7247LH/C-7247-RH C-7147LH/C-7147RH C-7447LH/C-7447-RH 5" Center to Center Left or Right (LH shown)



WM Coffman Fittings



C-6410 Richmond



C-6310 Georgian

The second digit of the Fitting part number identifies the profile and must match the second digit of the Rail number.

Example:

 $C-70\dot{X}X$ Fittings = C-6010 Rail C-72XX Fittings = C-6210 Rail

Gooseneck Fittings



Left Hand Right Hand 2 Riser No Cap 90°



2 Riser with Tandem Cap

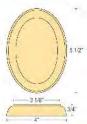


Rosettes



C-7217 Rosette



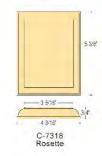


C-7337 Rosette

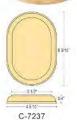












C-7237 Rosette



Shown: C-6210 Handrail, C-7210 Starting Easing w/ Cap, C-7214S Upeasing, C-7220 Tandem Cap, C-4011 Newel, SAT-1BASK, SAT-2BASK, SAT-FSH-01

Wall Rail Fittings Handrail Brackets shown on Page 28



C-7023 Quarterturn



C-7024 Starting Easing



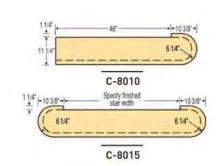
C-7025 Over Easing





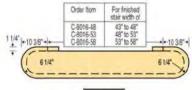






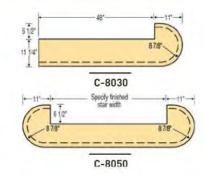


Usable with all turnouts and volutes.



C-8016 Adjustable Double End Bullnose

Usable with all turnouts and volutes. Three adjustable sizes allow job site trimming for exact finished fit.





Use with Ascending Volutes, and usable with larger profile Volutes, PTP systems and Box Newels.

Starling Step Moulding Sets



Starting steps are shipped complete with the starting riser, starting tread, and all cove and shoe moulding.

C-8010COVE

Complete Set C-8010 Cove Moulding (60") C-8095 Profile

C-8010SH0E

Complete Set C-8010 Shoe Moulding (60") C-8085 Profile

C-8015COVE Complete Set C-8015 Cove Moulding (60") C-8095 Profile

C-8015SH0E

Complete Set C-8015 Shoe Moulding (60") C-8085 Profile



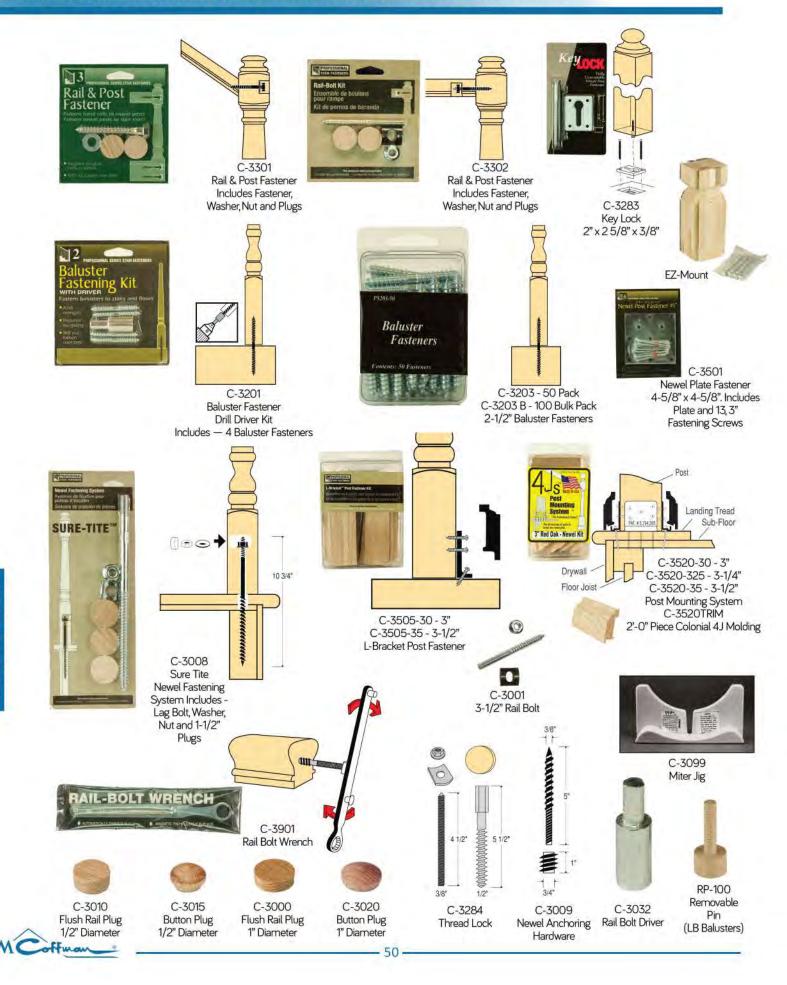
Treads and Risers

The products in this section are manufactured under highly controlled standards for beauty 8070 MR that will last a lifetime. C-8070 Coped Reversible Return Tread Tread All are manufactured 1-1/32" x 11-1/2" No Return 1-1/32" x 11-1/2" and 13" without the use of finger-joints, excluding landing tread (which may contain a single finger-joint in 14' and 16') and skirtboard. C-9070 Hybrid Reversible (Oak Reveal) Tread 1-1/32" x 11-1/2" C-8075 Riser 3/4" x 8" C-8070 Tread Blanks Avail S4S and Nosed 2 Slides Size Varies C-8028 C-8028V (Veneered) Tread Bracket 1/4" Thick C-8090 3-1/2" Wide C-8390 3/8" x 5-1/4" Wide C-8590 5-1/4" Wide C-8690 6-1/2" Wide Landing Tread Lineal Stock BENDING LANDING TREAD C-8596 – 5-1/4" 20 Piece C-8696 – 6-1/2" 26 Piece C-6975 C-6973 C-8029 Skirtboard 1" x 12" (Actual 11/16" x 11 1/4") Skirtboard C-8029V (Veneered) 1" x 8" (Actual 11/16" x 7 1/4") Tread Bracket 1/4" Thick C-8080 C-8085 C-8095 C-8080-13 MR Coped Return Nosing 1-1/4" x 1-1/32" x 12-3/4" C-8081 C-8080-13 13" Return Nosing 1-1/4" x 1-1/32" Nosing 1-1/4" x 1-1/32" Nosing and Cove 1-1/4" x 1-27/32" Lineal Stock Shoe Mould 1/2" x 3/4" Cove Mould 13/16" x 5/8" Lineal Stock Lineal Stock Lineal Stock

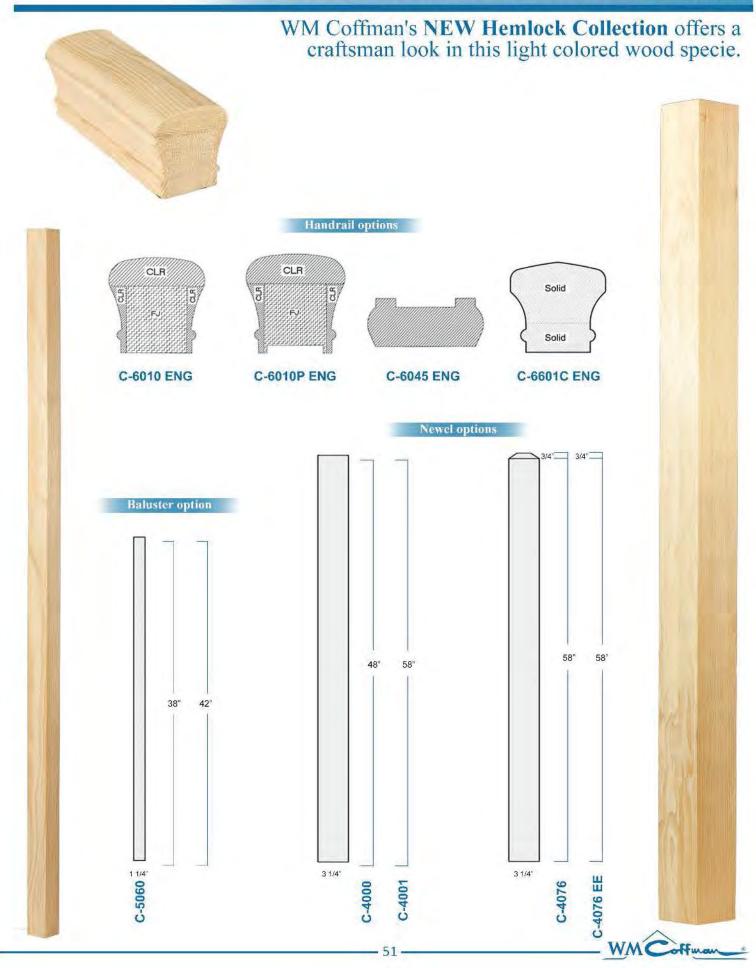
Tread and Riser Caps



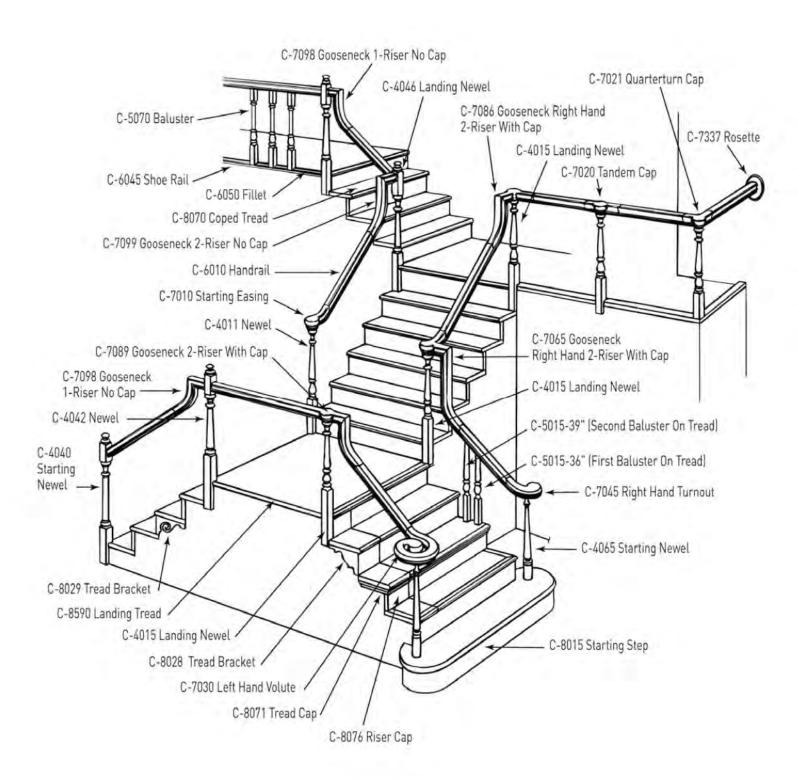
WM Coffman Hardward and Accessories



WM Coffman Hemlock Collection



Stair Anatomy

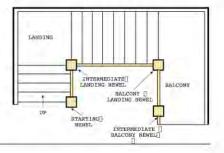




Check local building codes for required height and baluster spacing.

NEWELS

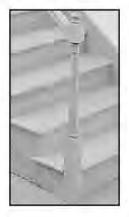
Newels serve as the main structural support of the balustrade portion of the stair. Proper placement, coupled with proper installation techniques, is critical to a structurally sound and code compliant staircase. Newels should be placed at the top and bottom of every stair, at all directional changes, and at intervals of not more than 8' on level balcony runs.







PTP newels are designed with upper (top) square blocks that will receive the handrail. Standard block sizes (5", 10" and 13") are provided for use at various locations of the stair.



STARTING NEWELS

A 5" top block will always work at the beginning of the stair. Larger top blocks are unnecessary and can appear topheavy.



INTERMEDIATE LANDING NEWELS

Intermediate landing newels will have angled rail entering and exiting the upper square block from adjacent sides. Because the newel is basically making up for two rise dimensions in the stair (the last rise before the intermediate landing as well as the first rise of the second straight run), a longer square block is necessary to keep consistent rake rail heights from the first run to the second. A newel with a minimum 13" top block will be required.



BALCONY LANDING NEWELS

Balcony newels will have angled rail entering from the lower side of the newel with level rail exiting from the top of the upper block. Because only one rise dimension involved, a 10" top block will normally be required.



BALCONY INTERMEDIATE NEWELS

Balcony intermediate newels will have level rail entering and exiting the upper block of the newel. A 5" top block is recommended.



USE OF FITTINGS WITH PTP NEWELS

The use of easings and goosenecks in PTP systems make the need for longer square blocks unnecessary. Order a 5" top block newel at all locations.





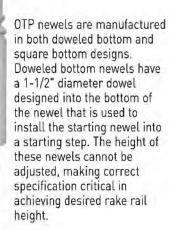
Check local building codes for required height and baluster spacing.

OVER-THE-POST NEWELS

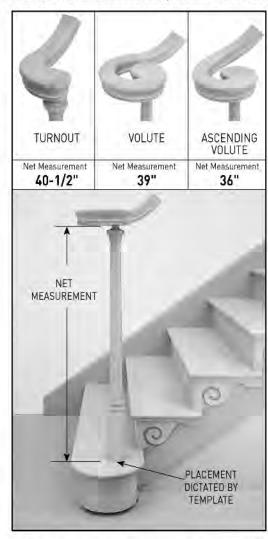
All Over-the-Post newels are manufactured with a 3/4" diameter pin turned into the top of the newel that will be installed into the underside of the fittings used in the rail system.

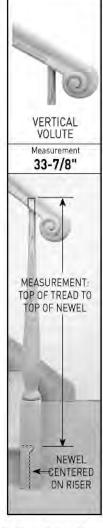
Recommended heights for the following newel placements are based on a 34" rake rail height, a 7-1/2" rise, a 10" run, and a 1-1/4" tread overhang and are dependent on the location of the newel matching the standard location listed with the application. Variances of up to 3/4" can be expected in certain conditions and should be accounted for when trying to achieve minimum code heights.

OTP STARTING NEWEL HEIGHTS (For 34" Rake Rail Height)









ADJUSTABLE NEWELS

An option available in all WM Coffman families to the fixed length doweled newels is the adjustable newel. These newels have a 1-1/2" diameter by 10" deep hole bored into the bottom of the newel and are shipped with a loose 19" dowel in the carton. These newels allow the installer to trim the newel (up to 4") to achieve exact rake rail heights over a wide variety of applications.

NOTE: Rake rail height requirements other than 34" can be adjusted on a 1:1 basis. Example: For a 36" rake rail height, add 2" to the base number. For a 30" rake rail height, subtract 4". Check local building

NOTE: 1" movement in the newel from standard placement will change the rail height by approximately 3/4". Moving newel placement away from the second riser raises the rail height and moving it closer to the second riser will lower the rail height.



10

Check local building codes for required height and baluster spacing.

SQUARE TOP

PIN TOP

All balusters fall into one of the following categories:

PIN TOP - Pin top balusters have turned, round tops that will be inserted into holes drilled into unplowed handrail.

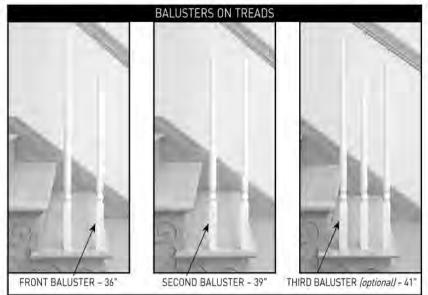
SQUARE TOP - Square top balusters have a turned portion, leaving a square upper and lower portion. Installation of square top balusters will require a plowed handrail.

FORGED IRON PIN TOP - Forged baluster pin tops are 1/2" diameter.

The stair's rake and balcony rail height, along with code considerations on baluster spacing, will determine the length and quantity of balusters required on any given job. **The tables below** list the quantity and length of the balusters necessary for each rake application for a 34" rake rail height.

BALUSTER QUANTITY AND LENGTH (For 34" Rake Rail Height)





Adjustments to rake rail heights from 34" can be accommodated on a 1:1 basis. Examples: For a 36" rail height, simply add 2" to the given length and order the nearest baluster length *(rounding up if necessary)*. For a 30" rake rail height, subtract 4" from the given length and order the nearest baluster length *(rounding up if necessary)*.

NOTE: 44" balusters are available in all square bottom profiles.



All baluster pins are 3/4" long by 3/4" diameter and are turned with chamfered bottoms and a centered glue ring. Exception: 5015H, 5610H pins are 5/8" long by 5/8" diameter.



Top diameter on the pin top balusters will vary according to baluster size.

1-1/4" Baluster - 5/8" diameter 1-5/8" Baluster - 5/8" diameter

1-3/4" Baluster - 3/4" diameter (except C-5611 which is 5/8")

1-9/16" Baluster - 3/4" diameter Forged - 1/2" diameter

All pin top balusters have a guaranteed 3" minimum top straight portion for trimming and insertion.

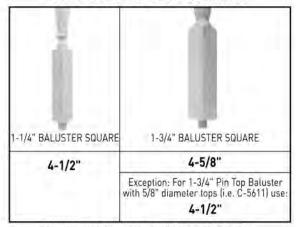


BALCONY BALUSTER LENGTH

Baluster length requirements for the balcony will match the balcony rail height. If an exact baluster length is not available, simply round up to the next available length. (Example: For a 38" balcony rail height, order a 39" baluster.)



BALCONY BALUSTER QUANTITY



MAXIMUM CENTER-TO-CENTER SPACING (Under 4" Sphere Rule)

Spacing codes vary but generally fall under the 4" sphere rule. The dimensions listed are recommended center-to-center spacing measurements that will safely comply with this code.

To obtain the quantity of balusters for individual balcony runs, divide the length of the balcony run by the corresponding center-to-center spacing and round down.

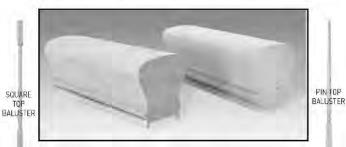


Check local building codes for required height and baluster spacing.

RAIL AND LINEAL BALUSTRADE COMPONENTS

Rail and lineal balustrade components, like other lineal products, are offered in even lengths from 4' to 16'. For rake portions of the stair, measure along the slope of the stair or use the lineal formula:

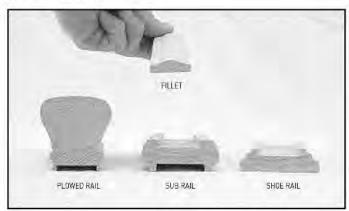
Number of Treads x 13" (rounded up to the nearest even length).

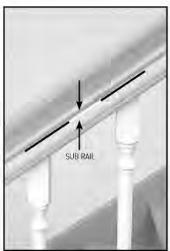


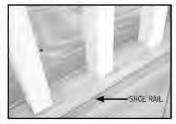
with a recessed bottom for insertion of square top balusters.

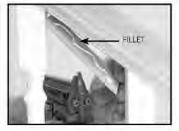
PLOWED RAIL is moulded UNPLOWED RAIL has a flat bottom that will be drilled for the insertion of pin top blausters.

LINEAL RAIL COMPONENTS consist of sub rail, shoe rail, and fillet. Shoe rail is a plowed moulding designed to accept the bottom of the baluster. Sub rail is used under unplowed handrail with square top balusters in Post-to-Post systems to provide a more substantial look to the balustrade. Fillet is a finished moulding that will be installed between the balusters in plowed rail, shoe rail and sub rail.

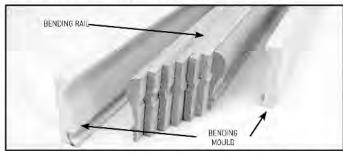








BENDING RAIL BALUSTRADE COMPONENTS



The key components of curved rail construction are bending rails and bending moulds. Bending rail is most easily understood when imagining a standard rail profile cut into thin, vertical strips. Bending mould is a form, moulded to the outside profile of the handrail, that is used to cradle the bending rail as it is being shaped to the stair.

Each ply comprising the bending rail is designed and manufactured with a tongue and groove bead to create an alignment of the plys. When assembled, WM Coffman bending rail results in a match of the standard rail profile.

The minimum radius achievable with each rail profile will depend on several factors. These factors include such variables as the thickness of each ply, the overall thickness of the handrail, the height of the handrail, the angle of the stair, and whether the rail is bent on the rake or on the level portion of the stair. The minimum recommended radius for use on both rake and level applications are listed in the chart for each Coffman bending rail profile.

BENDING RAIL MINIMUM RADIUS		
RAIL ITEM	RAKE RAIL	BALCONY RAIL
TRADITIONAL C-6016	42"	48"
BRISTOL C-6116	48"	54"
CLASSIC C-6216	48"	54"
RICHMOND C-6416	48"	54"



Check local building codes for required height and baluster spacing.

FITTINGS

Fittings, components used within rail systems, can be incorporated into both PTP and OTP stairs. In OTP rail systems, fittings are required to start the rail system, to make directional and height transitions, to carry the rail over intermediate balcony newels, and to terminate the rail when using a half newel. A good check of any Over-the-Post parts list is to make certain that a fitting is ordered for each newel, including half newels, in the stair. NOTE: WM Coffman fittings are shipped with all necessary rail bolts, 1" tapered rail plugs, templates, and full instructions to provide a quick, accurate, and professional installation.





FITTING DEFINITIONS

FITTING ORIENTATION

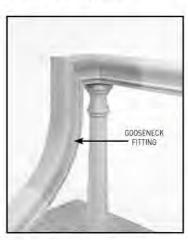
Fitting orientation is determined from the bottom of the stair looking up. All fittings in the photo to the right are right-hand.

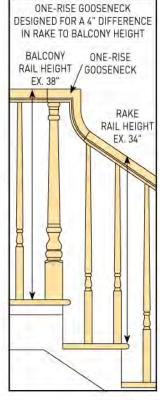


GOOSENECK FITTINGS

Gooseneck fittings are used to accommodate transitions in height and/or direction at intermediate and balcony landings.

NOTE: It is recommended that a minimum difference of 4" between rake rail height and balcony rail height be kept on all Over-the-Post systems.





CAP VS. NO CAP

All fittings fall into two categories: (1) those designed and manufactured with a cap and (2) those manufactured without a cap.

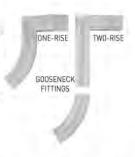
All fittings with caps have a 3/4" diameter hole bored in the under side of the cap to receive the top pin of the Over-the-Post newel. Fittings without caps are designed to carry the baluster line through a transition without the use of a newel. Capped fittings are clearly identified in both the drawings and product descriptions.



NO CAP

ONE-RISE VS. TWO-RISE

Most goosenecks are offered in both onerise and two-rise versions. The one-rise gooseneck is manufactured with the lower easing attached and is limited to use on stairs where the difference in rake rail height to balcony rail height is 4" (Example: 34" rake rail height to 38" balcony rail height). The corresponding two-rise gooseneck makes the same height and/or directional change as its one-rise counterpart but is shipped with the lower easing unattached. This versatile two-piece design allows the installer to trim or extend the straight section of the gooseneck to a height that will work in any situation. Two-rise goosenecks work in applications where the difference in rake rail height is less than 4" *(Example: 34-1/2" to 38"),* greater than 4" *(Example: 34" to 42"),* or unknown at the time of ordering.



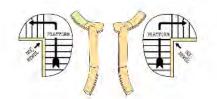


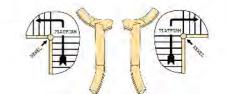


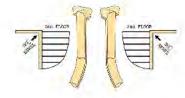
Check local building codes for required height and baluster spacing.

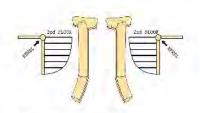
SUGGESTED GOOSENECKS FOR SOME COMMON APPLICATIONS

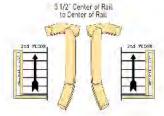
See Page 45 for Guide to ordering Gooseneck Fittings

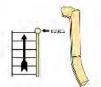




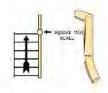








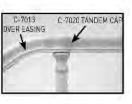




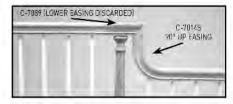
SPECIALTY FITTINGS

OVER EASING

An over easing is designed to carry the rail system from the rake (angled) portion of the stair to the



level, balcony portion without the use of a gooseneck. This elegant, flowing look is achieved by combining the over easing with a transitional fitting such as a tandem cap.



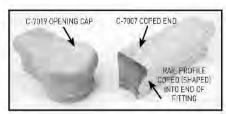
90° UP EASING

90° up easings are used to make a horizontal to vertical 90° transition in a rail system.

S-SERIES FITTINGS

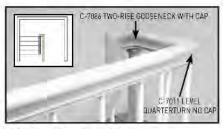
WM Coffman's S-Series fittings accommodate the continuous rail codes on partial-open stairs. Specify Right-Hand or Left-Hand (from the bottom of the stair looking up).





COPED ENDS

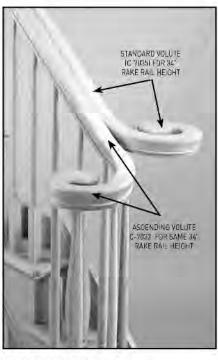
Some WM Coffman families contain a Coped End which is a fitting that has the profile of the rail shaped, or coped, into one end of a straight piece of rail. This fitting is used in conjunction with an opening cap *[Example C-7019]* or a gooseneck incorporating an opening cap *[Example C-7097]*, to accomodate nonstandard angle changes.



COMBINING FITTINGS

Standard fittings will sometimes have to be site-assembled to complete a height and/or directional transition. Basically all stair applications can be satisfied using a combination of currently available WM Coffman fittings.

In the example shown of a 180° turn at balcony, you will need a two-rise gooseneck with cap that turns right 90° to sit on top of the newel along with a level quarterturn without a cap to complete the 180° turn.



ASCENDING VOLUTES

WM Coffman's ascending volutes *(C-7X33, C-7X38)* are designed to begin their ascent much sooner than their standard counterparts, allowing for the use of a shorter newel and shorter balusters on top of the bullnose starting step. This lower, more proportional beginning of an Over-the-Post system, coupled with the graceful, flowing transition from the volute to the rail, makes the ascending volute an attractive addition to any stair.



	lusters/Newels			BZ		LK		RB		RC	PC		AT
Iron Collection	Short Desc	Page #	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Lite	Solid
NEWL-BASK48	2450	24											٧
NEWL-TW48	2452	24											٧
REN-PANEL	2490	24	٧		٧		V		V		-	٧	
M-399	2491	24											٧
M-555	2492	24	-3									-	1
1TW44	2550	12	٧	٧	٧	٧	٧	V	٧	V	٧	V	٧
2TW44	2551	12	٧	٧.	V	- V	٧	٧ -	_ v	V	٧	- V	V
1BASK44	2552	12	٧	٧	٧	V	٧	٧	1	V	٧	٧	٧
2BASK44	2553	12	٧	٧		٧	٧	٧		V	٧	٧	V
1TW22	2554	12	٧		٧		٧	1 4	٧				1
PLA44	2555	13	٧-	V	٧		٧	V	_ V	٧	V	V	V
1KNUC44	2556	13	٧	٧	٧	٧	V	٧	1	٧	٧	٧	٧
2KNUC44	2557	13	٧.	٧	. 1	V	٧ -	٧	1	٧-	٧ -	٧ -	1
2KNUC1BASK44	2558	13	٧		V		٧		V			٧	
1RIB44	2560	14	٧	V	W	- V	V	V	_ V _	- V		- V	V
2RIB44	2561	14	٧	٧	1	V	٧	٧	1	V		V	1
M14044	2570	18	٧	٧		~	٧	٧		^		٧	1
M15044	2571	18	٧	V	V	٧	٧	٧	V	V			V
M16044	2572	18	V	V	٧	- V	V	V	V	- V		٧	٧
M14344	2575	18	٧	٧	V	٧	٧	٧	٧	٧		٧	٧
M301	2580	16	٧		- 1	V	V		V		V	- v	-
M601	2581	16	٧	V	٧	V	٧	V	V	V		v	V
M325	2582	16	V		V		٧		٧			V	
M326	2583	16			V		٧					V	-
M501	2585	16	٧		1		٧		V			V	
M65144	2595	22			٧		٧		V			V	
M65244	2596	22			٧		v		v			v	
M65344	2597	22		+	V		V		V	1 7		V	
M65044	2598	22			1		V		V			V	
KW-1TW44	2650	15					V					v	
KW-2TW44	2651	15		-		-	v			+		v	
KW-1BASK44	2652	15					V					v	
KW-2BASK44	2653	15					٧					v	
KW-M501	2685	15		-		-	٧				-	v	-
M13344	2760	19		-		-	-	V					v
M13444	2761	19		-	_	_	-	V	-				
		19						_					V
M13144	2766			-				٧		+ 1			V
M13244	2767	19						٧					V
R60144	2770	21						٧			_		V
R60244	2771	21						٧					V
R61144	2772	21						٧					٧
R61244	2773	21						٧				-	٧
R60044	2775	21						V					٧
M303	2797	20						٧					٧
MEGA-1TW	2850	25	٧		- 1		٧.		- 1			٧ -	
MEGA-2TW	2851	25	٧		٧		٧		V			V	
MEGA-1BASK	2852	25	٧		٧		٧ -		٧			٧	
MEGA-2BASK	2853	25	٧		٧		٧		٧			٧	
MEGA-PLA	2855	26	٧		. 1		V					٧	
MEGA-1KNUC	2856	26	٧		٧		٧		٧				-
MEGA-2KNUC	2857	26	٧		٧		٧		٧			٧.	
MEGA-M601	2881	26	7		٧		٧		٧			٧	
M40144	2930	17				V							
M40244	2931	17			٧	٧							
M41144	2933	17			- V	- 1							
NEWL-14048	2940	24				44				1			1
M8044	2962	14	٧		٧		٧					٧	1
M8544	2963	14	٧		V -		٧		V				V
WAVE44	2968	13	٧		٧		٧		٧			٧	
R54344	2970	23			V	٧	1 + -						
R54044	2971	23				٧	-					-	
R55044	2972	23			V	v							
M331	2982	16										V	٧
PLA40-BLY	2986	17										V	V
1TW40-BLY	2987	17	-									v	-
1BASK40-BLY	2988	17										v.	V
M30544	2990	20	v	V	v	V	V	V	V	v		v	v
M30844	2991	20	V	V	V	V	V	V	V	V		V	V
M9044	2991	19	V	V	V	V	٧	V	V	V		V	V
M10044		20		V	V	V	V		V	V			
IVI TOD44	2996 2997	20		V		V	٧	٧	٧	V		٧	V



	Iron Shoas		A	62		LK	(0)	HB	0	HE		PE	3	AT
Iron Collection	Short Desc	Page #	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid
RM-301	2330	27	V		1		¥	4	1	100.00			√	√
RM-201	2331	27											*	
FS)1 01	2340	2.7.	y	٧	1/	٧	V	4"	4	y.	V.	N	- V	v.
1.03	2341	27	V	9	, V.	٧	.V.	V	٧.	٧			٧	V.
M 06	2342	27.	4	W.	V	V	٧.	4	4	V	V	4	- V	V
AK-01	2345	27	٧	ν		V	٧	9	V	٧	٧			X.
PSH-02	2350	27	4	- V -		- 4	y v	4	4	4	V.	4	V	v v
H-05P	2351	27	٧	y	¥	V	٧	N N	- 4	v	3 -2-		- V	¥
RAK-01	2352	27												
NC-101	2360	27												-1
R-08F	2370	27						*					-	- v
11-0919	23/1	21						V						V
R-10	2375	27	-		4		V		4			1	4	
MEGA-PSH-08	2390	2.3		4	*	- V	v	1	- 4	4			V	- 1
MEGA ESH-08	2391	23	4				V		, A.			1	٧	
MEGA M-08	2392	27	V	7		1/	V	4		· V			4	√
SCR 04	2910	27.	٧	N N	- 4	¥	1	Y	V	V			1	1
M 020	2911	27.		y	- 4								٧	
M-032	2912	27			Α							1		
1.06	2915	27.	4	7	V	- V	V	4	4	V		7 11	1	· ·
R-07F	2916	27.			- N	v								
R-06P	2917	27			4									
KAK-03	2918	27			V						-	1		
RD-201	2919	27		ν		Α.	٧	٧.		٧.	1	1 10	V	¥
SO 703	2929	77					V	1					V	· ·

Handrail Brackets							
Iron Collection	Page #						
C-3611	28						
C-3621	28						
C-3631	28						
0-3622	28						
C-3632	28						

Iron Accessories								
Iron Collection	Page #							
E-2401	28							
F-2302	78							
T-7303	78							
f. 2901	28							
r 2907	28							
E 2903	38							
C 2905	28							
C-2906	28							

Over	the Post Newels						
Wood Collection	Size	Page #	Red Dak	Beech	Poplar	Hard Maple	White Oak
C-4010	3"×41"	34	V				H
L-4011	3" K 48"	34	٧		a)	V.	
C-4014	3"×44-1/2"	34	-1				٧
C-4015	3"×60"	34	V	٧	4	N.	
C-4019	3" # 48"	3/1	× ×				
E-4030	3"×48"	34	-1				
C-4035	3" k 60"	34	ví				
C-4085	2-3/4" x 44"	34	1				
E-4111	3-1/4" x 48"	38	V				
E-4115	3-1/4" x 60"	38	V			- 4	
r. 4210	3 1/2"×41"	76				, v	
C 4215	3·1/2"×60"	36.	v			-V	
E-4270	3-1/2" x 41"	-46	V				
C-4272	3-1/2"×41"	40	٧				
C-4275	3-1/2"×60"	40.	V				
C-4277	3-1/2" × 60"	40	v.				
C-4410	3-1/4" x 42"	42	٧				
C-4/15	3-1/4" x 48"	42	٧				
C 4419	3 1/4" x 48"	42	- 1			V	
C-4662	3.3/8" x 44"	36	v v			- 1	
C-4810	3-1/2" x 48"	38	V				
C-4815	3-1/2"×72"	38	٧				
C-4862	31/4"×45-1/2"	38	V.				

	Post to Post Newels						
Wood Collection	Size	Page #	Red Dak	Beech	Poplar	Hard Maple	White Dal
C-400T	3-1/2" 8 47-1/2"	3/	n,				
C-4002	3-1/2" x 55"	37	4			A.	
C-41103	3-1/2" × 59-1/2"	3/	4		7	1	
C-40Q4	3-1/2" « 47-1/2"	37	V		ý		
C-4005	3-1/2" 8 56"	3/	Ą	ı.	4	1	
C-4006	3-1/2" x 72"	37	4				
C-4007	3-1/2" * 47-1/2"	3/	4		1)
C-4008	3-1/2" × 55"	37	N .		v		
C-4009	3-1/2" k 56°	3/	4				1 = + =
C4040	3" x 47-1/2"	30	1	Ú	≥47	4	, v
C-4H4H81	3" x 48"	3.5	4	ď	-		+
C-4042	3" × 53-1/2"	3.7	V	- ir	Ú	ı,	V
0-404261	3" x 54"	33	Ą.	ď			
C-4045	3" x.59-1/2"	33	1	Ű	-41	ı,	Tr.
C-404581	3" # 50"	3.7	4	٧.			1
C-4046	3" * 60"	33	N .		v		
C-404h81	3" x 50°	35	4	- 1			
C-40465	3" x 59-1/2"	33	N.				
C-41155	3" K 58"	3.5	40				tr
C-4070	3" 8 41"	3/	4				
C-4074	3" × 56"	43	N .		ii -	- T-	
C-4074FF	3" 8 56"	4.4	4				
C4076	3-1/2" x 56"	43	af .	1		4	
C-4H2KFF	3-1/2" 8 56"	4.4	4	-			
C4172	3-1/4" x 54"	39	V	5 4 1		1	
C-41/5	3-1/4" 8 54"	39	Ŋ.				
C-4176	3-1/4" x 54"	39	4	6	100	- U	
C-4179	h" 8'h0"	35	4				
C-4240	3-1/2" × 47-1/2"	37	N N				
C-4242	3-1/2" 8'56"	3/	4				
C4245	3-1/2" × 59-1/2"	37	v v	5 7			
C-4280	3-1/2" x 48"	41	ď				
C-4280L	3-1/2" x 56"	41	V	3			
C-4282	3-1/2" 8 48"	41	N .				
C-4282L	3-1/2" x 56"	41	- (f)				
C-4285	3-1/2"×50"	41	4				
C-4287	3-1/2" × 66"	41	V				
(3444))	3-1/4" # 48"	4.4	4			()	
C-4442	3-1/4" x 54"	43	st .	2 1	1	1	
C-4445	3-1/4" # 54"	4.4	4			- 1	
C4446	3-1/4" x 54"	43	4			V.	
C-4540	3" × 48"	37	V				
0-4542	3" 8 54"	35	4)-			
C4545	3" x 54"	30	N-				
C-4546	3" × 54"	3.7	4				
C-4547	3" 4 60"	37	V	2			
C-45.5U61	3" × 48"	3.1	J.				
C-45358T	3" x 54"	33	10				
C-45a661	3" 8 54"	3.7	4	1			
			- 2				

	Box Newels	24							
Wood Collection	Size	Page #	Red Clar	Beech	Poplar	Primed	Hard Waple	Alder	White Dak
C-4075	3-1/2" x 65"	30	A	- 4	V	V	V		4
C-4077	3-1/2" x 63-1/2"	30	V				10		
-4090	6-1/4" x 53-3/4"	31	4						
C-4091	6-1/4" x 55"	30	٧.	V	¥	۸.	V	٧	V
C-4091-F	6-1/4" x 55"	30	4		¥	٧	y y		-
C-4091-FP	6-1/A" x 55"	30	V		¥	V	V		V.
C-4091-(P	6-1/4" x 55"	30	V	F =					
C-4091-RP	6-1/4" x 55"	30	٧.		V		V		V
C-4,095	7-1/2" x 56"	31	4			V	4		
C-4095-F	7-1/2" x 56"	31	V	1					
C-4095-RP	7-1/2" x 56"	31	V		V		Y Y		
C-4291	5" K 55"	30	V	d	v.	. ✓	V	ú.	
C-4690	4-3/2" x 54"	31	٧		V	٧	V		7
C-4691-FP	4-1/2" x 64"	30	4		4	٧.	٧-		
-4691-RP	4-1/2" = 64"	30	4		¥	V	¥		
0-4695	4-1/2"×64"	30	4		V	1	V.		
C-4695-F	4-1/2" × 64"	30	V						
-4695-RP	4-3/2" x 54"	30	٧						
4890	7-1/2" x 56"	31	٧.		¥	1			
-4891-FP	7-1/2" * 56"	31	4		4	٧			
C-4891-RP	7-1/2" × 56"	T 31	V		V	V			

Interch	angeable Box Newel							
Wood Collection	Size	Page#	Red Oak	Poplar	Primed	Hard Maple	Mahogany	White Oak
C4378	3-1/2"	32	٧-	٧	₩			
C-4378-5	3-1/2"	32	4	v v	v			
C-4378-TC	3-1/2"	32	٧	¥		V	V	٧-
C-4078	4:1/2"	32	. V	- V	V		7 7	
C-4078-S	4:1/2"	32	4	٧	- 4			
C-4078-TC	4-1/2"	3.2	٧	₩		V	V	- √
C-4578	5-1/2"	32	V	V	v.			
C-4578-S	5)1/2"	32	٧-	٧	V			
C-4578-TC	5-1/2"	32	4	V		V	V	٧

Pir	Top Balusters					
Wood Collection	Size	Page #	Red Oak	Poplar	Primed	Hard Magir
C-5015	1-1/4"	34	V	٧	V	V.
C-S040	I+1/8"	34			V	
C-5151	1-3/4"	38	4		4	
C-515118	1-3/4"	38			V	
C-5211	1-3/4"	40			v.	1
C-5751	1-3/4"	40	1		V	1
C-5610	1+1/4"	34			¥	1
G5611	i-3/4"	36-	V		v.	
C-5845	1-9/16*	38			V	

Squa	re Top Balusters					
Wood Collection	Size	Page#	Red Oak	Poplar	Primed	Hard Maple
C-5005	1-3/1"	37	V	٧	4	
C-5060	1-1/4"	42	y	V.	V	-
C-5060EE	1-1/4"	42			V-	
C-5067	.1-1/4"	35	V		٧	
C-S070	1-1/4"	35	V		V	
C-5141	1-3/4"	39	V		٧-	
C-5201	1-3/4"	41		+	V	
C-5241	1-3/4"	41	٧		9	
C-S260	1-1/2"	42			4	
C-5360	1-3/4"	42	4	V.	V	-0
C-5601	1-3/4"	37	V		V	

	Handrail						
Wood Collection	Size	Page#	Red Oak	Beech	Poplar	Hard Maple	White Oak
C-6010	2-1/1" x 2-3/8"	44	1		V	V	
C-6010-ENG	2-1/4" × 2-3/8"	44	y .				
C-6010S	2-1/4" * 2-3/8"	44		٧		V	٧
C-6010P	2-1/4" x 2-3/8" (1-1/4" Plow)	44	٧		V		
C-6010P-S	2-1/4" x 2-3/8" (1-1/4" Plow)	44	V			V	
C-6110S	Z-3/4" x 2-3/4"	44	٧			V	
C-6110P1-5	2-3/4" x 2-3/4" (1-3/4" Plow)	44	V				
C-6210	2-5/8" x 2-3/8"	44	y		- 1		
C-62105	2-5/8" x 2-3/8"	44	V			V	
C-6210P1	2-5/8" x 2-3/8" (1-3/4" Plow)	44	V				
C-6210P1-S	2-5/8" x 2-3/8" (1-3/4" Plow)	44	٧			V	
C-6310S		49	V				
C-6410S	2-5/8" × 2-3/8"	44	V				
C-6410P1-5	2-5/8" x 2-3/8" (1-3/4" Plow)	44	V				
C-6700P		44	V				
C-6700P1		44	V				

	Shoe Rail / Wall Rail					
Wood Collection	Size	Page#	Red Oak	Beech	Poplar	Hard Maple
C-6045	2-1/2" x 3/4" (1-1/4" Plow)	44	٧		V	V
C-6006	3-1/8" x 1" (1-3/4" Plow)	44	٧		V	
C-6040	1-11/16" x 1-1/2"	44	٧	V		
C-6042	2-1/4" x 1-9/32"	44	V		1	



1	Bending Rail				
Wood Collection	Size	Paga#	Red Oak	Hard Maple	White Oak
C-6016	7-Piece	44	٧.		V
C-6216	8-Piece	44	V	4	
C-6116	9-Piece	44	V		
C-6416	9-Piece	44	V		

	Fillet	-				
Wood Collection	Size	Page #	Red Oak	Beech	Poplar	Hard Maple
C-6050	1-1/4"	44	¥	V	V	4
C-6007	1:3/4"	44	¥			v

	Fittings						
Wood Collection		Page#	Red Oak	Beech	Poplar	Hard Maple	White Oak
C-7007	Coped End	16	V				
C-7009	Returned End	46	V	V	Ý	4	
C-7010	Starting Easing w/ Cap	46	•	V	¥	4	
C-7011	Level Quarterturn 90"	46	٧	V.	4	V	V
C-7012S	Up Easing	16	V	V	V	√	V
C-7013	Over Easing	46	V.	Ψ.	٧	•	
C-7014S	Up Easing 90°	46	V	V	V	V	
C-7016	Over Easing w/ Returned End	46	¥				
C-7019	Opening Cap	46	¥	4	N V	7	
C-7020	Tandem Cap	46	٧-	4	v	- W	- 4
C-7021	Quarterturn Newel Cap	46	ν'	4	- V	4	V
C-7022	Level Newel Cap 45"	46	٧	4	- V	*	
C-7026	Level Turn 45°	16	٧	ų.			1
C-7030	LH Volute	46	V.	y.	4		V
C-7035	RH Volute	46	٧	· · · · ·	٧	√	V
C-7031	Vertical Volute	46	٧.				
C-70/ID	LH Turnout 4-7/8" c/c	46	V	1	V	- 7	
C-7045	RH Turnout 4-7/8" c/s	46	¥	- 4	ď	- 4	
C-7047LH	LH "S" Turn	46	V	¥	V	4	V
C-7047RH	RH "S" Turn	46	V	v	N.	V	N.
C-7071	LH 2-Riser No Cap	47	N.				
C-7076	RH 2-Riser No Cap	47	V				
C-7089	2-Riser w/ Tandem Cap	47	V.				
C-7099	2-Riser No Cap	47	ν.	¥	¥	¥ V	4

	Fittings			
Wood Collection		Page #	Red Oak	Hard Maple
C-7100	Returned End	46	V	V
C-711D	Starting Easing w/ Cap	46	V	v v
G7111	Level Quarterturn 90°	46	٧	V
C-71125	Lip Easing	46	· ·	4
C-7113	Over Easing	46	V-	V
C-71145	⊌ρ Easing 90°	46	4	4
G7119	Opening Cap	46	٧	V
€-7120	Tandem Cap	46	d	4
C-7121	Quarterturn Newel Cap	46	V.	V -
C-7122	Level Newel Eap 45"	46	4	
C-7126	Level Turn 45"	46	٧	
C-7130	LH'Voicte	46	7	4
C-7135	RH Value	46	V.	V
C-7140	LH Turnout 4-7/8 c/c	46	4	4
C-7145	RH Turrout 4-7/8 c/c	46	٧	Ψ,
C-7147LH	LH "S" Turn	46	d	
C-7147RH	RH "S" Turn	46	V	-
C-7199	2-Riser No Cap	47	V	V

	Fittings				
Wood Collection		Page #	Red Oak	Poplar	Hard Maple
£ 7207	Copec Erc	46	V		-
€ 7209	Returned End	46	V		v
C 7210	Starting Easing W/ Cap	46	N	4	
C 7211	Level Quarterturg 90°	46	٧	4	N/
C 7212S	Up Easing	46	٧	V	- V
C7213	Over Easing	46	V		V
C 72145	Up Easing 90°	46	V		V.
C 7216	Over Easing w/ Returned End	46	٧ -	-	
C 7219	Opening Cap	46	₩.	¥	
C 7220	Tandom Cap	46	V		V
C 7221	Quarterturn Newel Cap	46	N		V
C 7222	Level Newel Cap 45°	46	V		
C 7226	Level Turn 45°	46	٧.	-	
C 7230	LII Volute	46	V		V
C 7235	RH Volute	46	V		v.
C 7240	LII Turnout 4 7/8 c/c	46	V		
C 7245	RII Turrout 4 7/8 c/c	46	V		
© 7247LII	LII "\$" Turn	46	V		V
C 7247RH	RH "S" Turn	46	N		
C 7.299	2 Riser No Cap	47	V	4	ď



	Fittings		
Wood Collection		Page #	Red Oak
C-7310	Starting Easing w/ Cap	46	٧
C-7311	Level Quarterturn 90°	46	٧
C-73125	Up Easing	46	V
C-7313	Over Easing	46	٧
C-73145	Up Easing 90°	46	٧
C-7319	Opening Cap	46	V
C-7320	Tandem Cap	46	1
C-7321	Quarterturn Newel Cap	46	V
C-7330	LH Volute	46	V
C-7335	RH Volute	46	V
C-7340	LH Turnaut 4-7/8" c/c	46	V
C-7345	RH Turnout 4-7/8" c/c	46	٧
C-7371	LH 2-Riser No Cap	47	٧
C-7376	RH 2-Riser No Cap	47	V
C-7389	2-Riser w/ Tandem Cap	47	٧
C-7399	2-Riser No Can	47	· 1

	Fittings		
Wood Collection		Page #	Red Oak
C-7410	Starting Easing w/ Cap	46	٧
C-7411	Level Quarterturn 90°	46	٧
C-74125	Up Easing	46	V
C-7413	Over Easing	46	4
C-74145	Up Easing 90°	46	V
C-7419	Opening Cap	46	V
C-7420	Tandem Cap	46	٧
C-7421	Quarterturn Newel Cap	46	4
C-7422	Level Newel Cap 45°	46	V
C-7430	LH Volute	46	V
C-7435	RH Volute	46	٧
C-7440	LH Turnout 4-7/8" c/c	46	4
C-7445	RH Turnout 4-7/8" c/c	46	V
C-7447LH	LH "S" Turn	46	V
C-7447RH	RH "S" Turn	46	V
C-7499	2-Riser No Cap	47	٧

	Fittings			
Wood Collection		Page #	Red Oak	Poplar
E-7005	Quarterturn for C-6042	47	4	
E-7023	Quarterturn for C-6040	47	V	V
C-7024	Starting Easing for C-5040	47	V	٧
C-7025	Over Easing for C-6040	47	V	V

	Starting Steps				
Wood Collection		Page#	Red Oak	Hard Maple	White Oak
C-8010	Avail 48', 54', 60" & 72"	48	٧	V	V
C-R015	Avail 48", 54", & 60"	48	N	*	٧
C-8016	Avail 48", 53" & 58"	48	N.		
C-8090	Avail 48" & 60"	48	- W		
C-8010-2	Rev Starting Tread (No Notch)	49	V		
F 8011	Paul Starting Trans (March)	40	N.	1	

Trea	ads / Risers / Tread Access.					
Wood Collection		Page #	Red Oak	Hard Maple	White Oak	Primed
C-8070	Multiple Variations	-18	V		V	
C-8070RE//	Multiple Variations	19	V	4	V .	
C-8075	8" = 36", 42", 48", 54", 60", 72"	49	V		V	-4
C-8071RH/LH	6-5/#" × 16"	49	V	V	4	
C-8072	5-1/4" x 12"	-49	V	V	V	
C-8076	5-1/4" x 8"	49	V	N	¥ 1	
C-8079	Boy False Trend/Riber	49	V			

	Rosettes			District .		THE TOTAL PROPERTY.	
Wood Collection		Page#	Red Oak	Beech	Poplar	Hard Maple	White Oak
C-7217	5-3/8"	47	٧ -				
C-7237	4-3/16" x 6-3/16"	47	V	1	V	1	v
C-7317	4-5/8"	47	V	1	V	V	√
C-7318	4-3/16" x 5-3/8"	47	V				
C-7337	4" x 5-1/2"	47	V	1	٧	1	٧

Tread Accessories						
Accessories	Page #	Red Oak	Primed	Poplar	Hard Maple	White Oak
C-6973	49	٧.	٧			٧
C-6975	49	y	٧		W1	
C-8028	49	y		1		V
C-8028V	49	y .				
C-8029	49	4	-			V
C-8029V	49	4				
C-8080	49	4				
C-8080-13	49	4				
C-8080-13 MR	49	4			V	V
C-8081	49	4			٧.	
C-8085	49	4				4
C-8095	49	y			V	٧

Accessories & Har	rdware						
Accessories	Page#	Access.	Red Oak	Beech	Poplar	Hard Maple	White Oak
C-3000	50		٧	٧	٧	- V	٧.
C-3010	50		V				
C-3015	50		V				
C-3020	50		V				
C-3505	50		Ÿ		γ		
C-3520	50		V		V	ν	
C-3520 TRIM	50		Ÿ		1		
C-3001	50	V			1		
C-3008	50	4					
C-3501	50	4					
C-3009	50	4			11		
C-3032	50	4			11		
C-3201	50	4			11		
C-3203	50	4					
C-3283	50	4					
C-3301	50	V			1		
C-3302	50	V					
C-3901	50	V					
EZM-01	50	V	5 11				
RP-100	50	- 4	\				

	HEMLOCK		
Wood Collection		Page #	Hemlock
C-5060	1-1/4"	51	٧
C-5060EE	1-1/4"	51	٧
C-4000-B	3-1/4"	51	٧
C-4001-B	3-1/4"	51	٧
C-4076	3-1/4"	51	٧
C-4076EE	3-1/4"	51	٧
C-6010-ENG	2-1/4" x 2-3/8"	51	٧
C-6010P-ENG	2-1/4" x 2-3/8" (1-1/4" Plow)	51	٧
C-6045	2-1/2" x 1-1/16" (1-1/4" Plow)	51	٧
C-6601C	2-1/4" x 2-1/4"	51	٧



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