



WM *Coffman*®

Stair Parts

Buyer's Guide

www.WM-Coffman.com

WM Coffman Stair Parts has been a leading name in the stair part industry since 1874. For over 140 years, WM Coffman Stair Parts has been committed to providing the highest quality and workmanship of wood and iron stair parts. With a name you can trust, WM Coffman's focus on our customer's needs has us constantly looking for ways to offer improved service with programs, technology and the highest level of sales support.



WM Coffman[®]
Stair Parts
www.WM-Coffman.com
(800) 810-9204



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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.

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

Orders will be processed for shipment from one of our Distribution Centers. Shipping charges are pre-paid and added to invoices unless other arrangements have been pre-approved. Freight quotes are estimates and subject to change based on actual weight at time of shipment.

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

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 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.

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

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.



PAYMENTS

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.

WM Coffman Operating Principles

- *Meet or Exceed Operating Plan*
- *Maintain Highest Ethical Standards*
- *Strive to Make Customers Raving Fans*
- *Open, Honest, Direct Communication*
- *Foster a Team Environment*
- *Results Focus - Develop Culture of Continuous Improvement*
- *Have Fun*
- *Family Sensitive Environment*
- *Value First, Ego Later - Check your Ego at the Door*
- *"Win-Win" Structures with Our Partners*



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 System

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!



Iron



Hardwood



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



Tread Bracket



Tread Cap

Post to Post Newel Systems



Pg 35 4048/4042 4045/4049 4055	Pg 35 4500/4542 4545/4548 4541/4543	Pg 36 4550/4556 4568	Pg 37 4001/4002 4003/4007 4008/4009	Pg 37 4004/4005 4008	Pg 37 4070	Pg 37 4240/4242 4245	Pg 43 4074/4076	Pg 39 4840/4845	Pg 30 4172/4175 4176	Pg 30 4176	Pg 41 4260/4260L 4265	Pg 41 4282/4282L 4287	Pg 42 4440/4442 4445/4446
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Over the Post Newel Systems



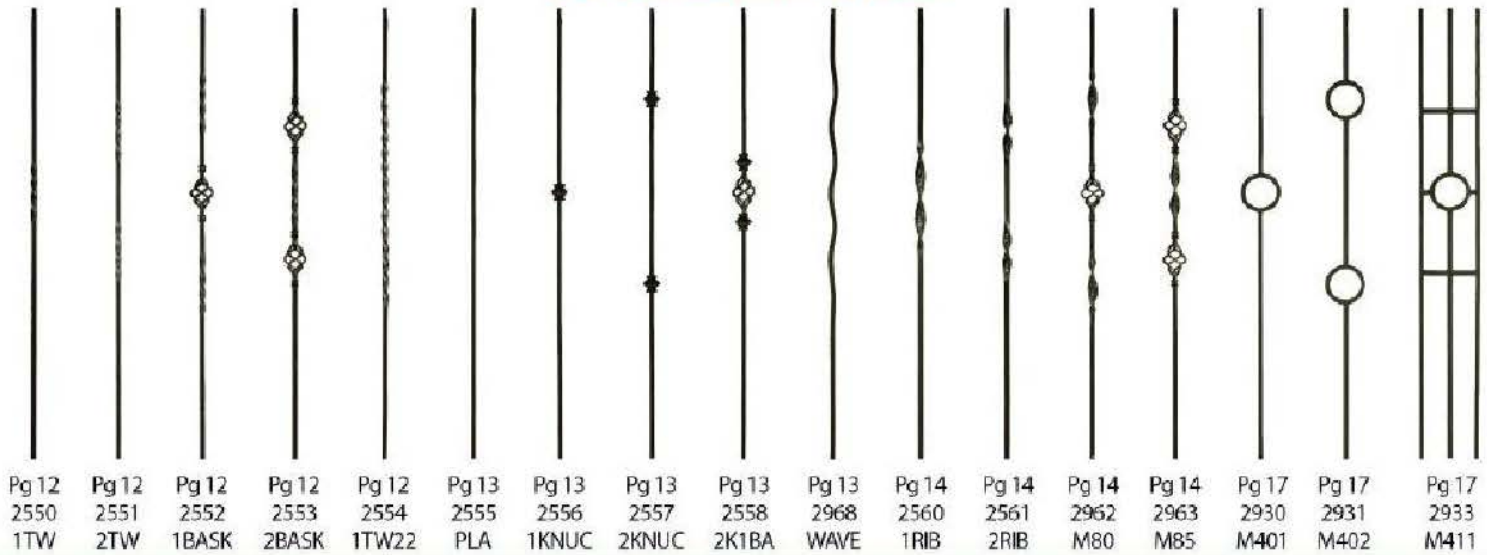
Pg 34 4010/4011 4013/4017	Pg 34 4014	Pg 34 4019	Pg 34 4030/4035	Pg 34 4065	Pg 36 4210/4215	Pg 36 4662	Pg 38 4810/4815	Pg 36 4662	Pg 36 4111/4115	Pg 40 4270/4275	Pg 40 4272/4277	Pg 42 4410/4415	Pg 42 4415
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Box Newels

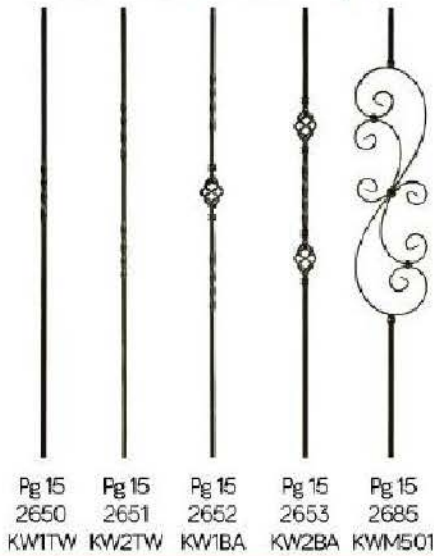


Pg 30 4375	Pg 30 4291-ADJ	Pg 30 4091	Pg 30 4077	Pg 30 4595/4591	Pg 31 4085	Pg 31 4881-FP	Pg 31 4881-RP	Pg 31 4990	Pg 31 4693	Pg 31 4880
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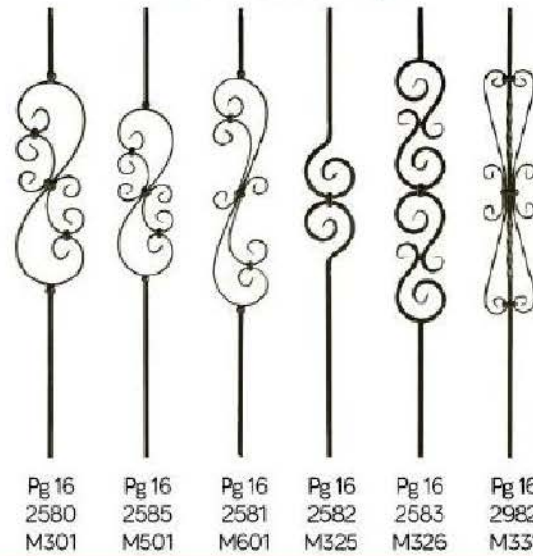
1/2" Iron Baluster Options



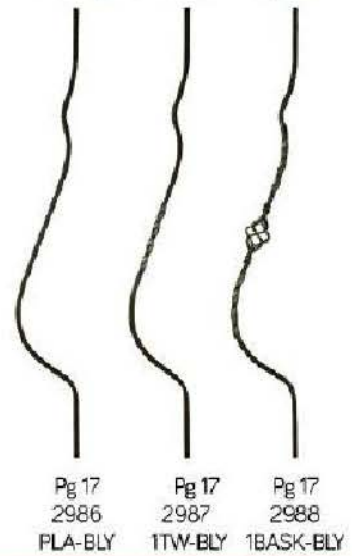
Knee Wall Series - 1/2"



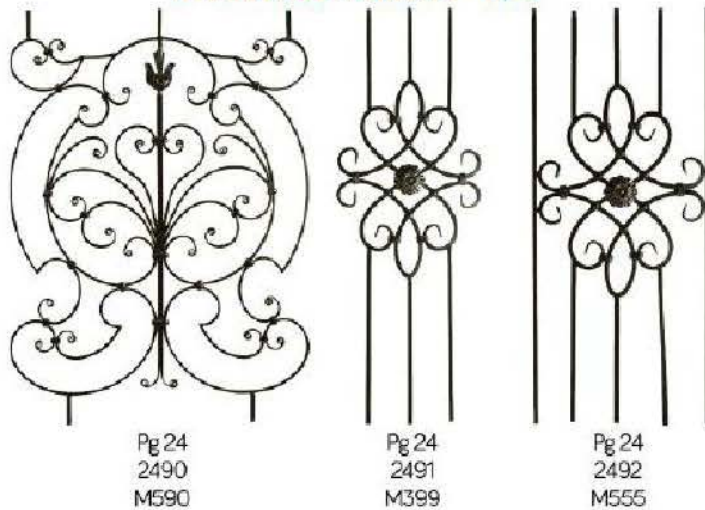
Scroll Series - 1/2"



Belly Series - 1/2"



Decorative Panels - 1/2"



1/2" Shoes



Iron Collection

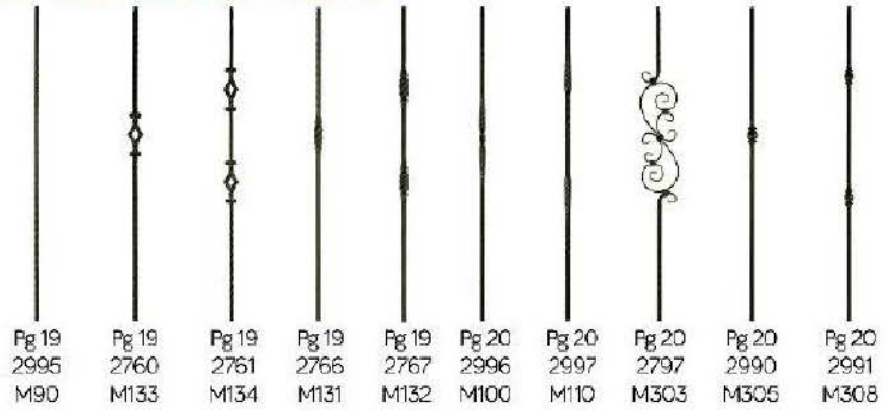
9/16" Iron Baluster Options

HAMMERED



Pg 18 2570 M140
Pg 18 2571 M150
Pg 18 2572 M160
Pg 18 2575 M143

MEDITERRANEAN



Pg 19 2995 M90
Pg 19 2760 M133
Pg 19 2761 M134
Pg 19 2766 M131
Pg 19 2767 M132
Pg 20 2996 M100
Pg 20 2997 M110
Pg 20 2797 M303
Pg 20 2990 M305
Pg 20 2991 M308

9/16" Shoes



Pg 27 2341 H-03
Pg 27 2915 H-06
Pg 27 2351 H-05P

Universal Shoes - 1/2" or 9/16"



Pg 27 2330 RM-301
Pg 27 2331 RM-201
Pg 27 2919 RD-201
Pg 27 2929 SQ-301

Venetian Series - 5/8" Round



Pg 22 2596 M651
Pg 22 2596 M652
Pg 22 2597 M653
Pg 22 2598 M650

Round Series - 1/2"



Pg 21 2770 R601
Pg 21 2771 R602
Pg 21 2772 R611
Pg 21 2773 R612
Pg 21 2775 R600

Round Series - 9/16"



Pg 23 2970 R543
Pg 23 2971 R540
Pg 23 2972 R550

Iron Newels



Pg 24 2450 N-1BASK
Pg 24 2452 N-1TW
Pg 24 2940 N-140

5/8" Shoes - Round



Pg 27 2375 R-10
Pg 27 2352 RAK-01

1/2" Shoes - Round



Pg 27 2370 R-08F
Pg 27 2371 R-09P

9/16" Shoes - Round



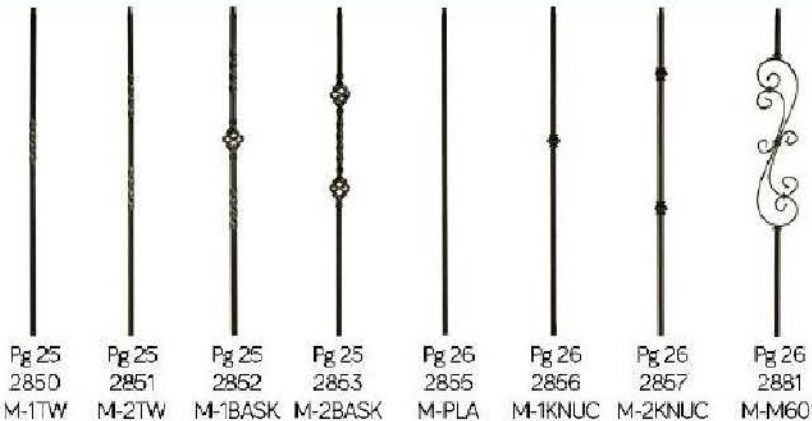
Pg 27 2916 R-07F
Pg 27 2917 R-06P
Pg 27 2918 RAK-03

Newel Kit



Pg 27 2360 NC-101

MEGA BALUSTER SERIES



Pg 25 2850 M-1TW
Pg 25 2851 M-2TW
Pg 25 2852 M-1BASK
Pg 25 2853 M-2BASK
Pg 26 2855 M-PLA
Pg 26 2856 M-1KNUC
Pg 26 2857 M-2KNUC
Pg 26 2881 M-M601

MEGA Shoes - 3/4"



Pg 27 2391 M-FSH-08
Pg 27 2392 M-M-08
Pg 27 2390 M-PSH-08

WM Coffman Iron Collections

Available Iron Finishes



ABZ
Antique Bronze



BLK
Flat Black



ORB
Oil Rubbed Bronze



ORC
Oil Rubbed Copper



PC
Grey Black



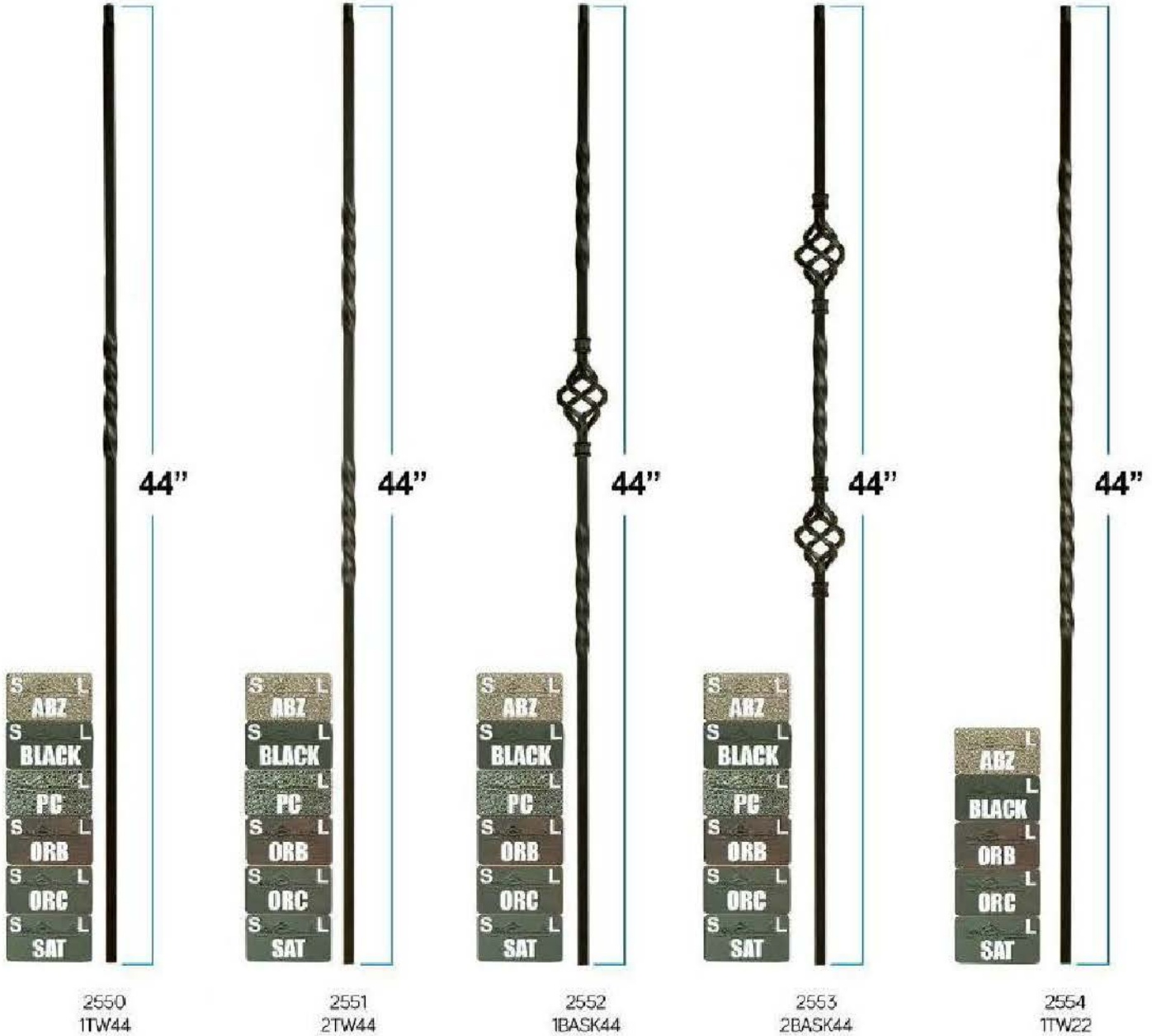
SAT
Satin Black



Twist & Basket series

1/2" Square

IRON



1/2" Square Shoe &



1/2" Square

Versatile *series*

IRON



Knuckle Options



2910
SCR-04



2911
M-020



2912
M-022

Ribbon series

1/2" Square

IRON



2560
1RIB44



2561
2RIB44



2962
M8044



2963
M8544

1/2" Square Shoe &



2340
FSH-01



2342
M-06



2345
AK-01

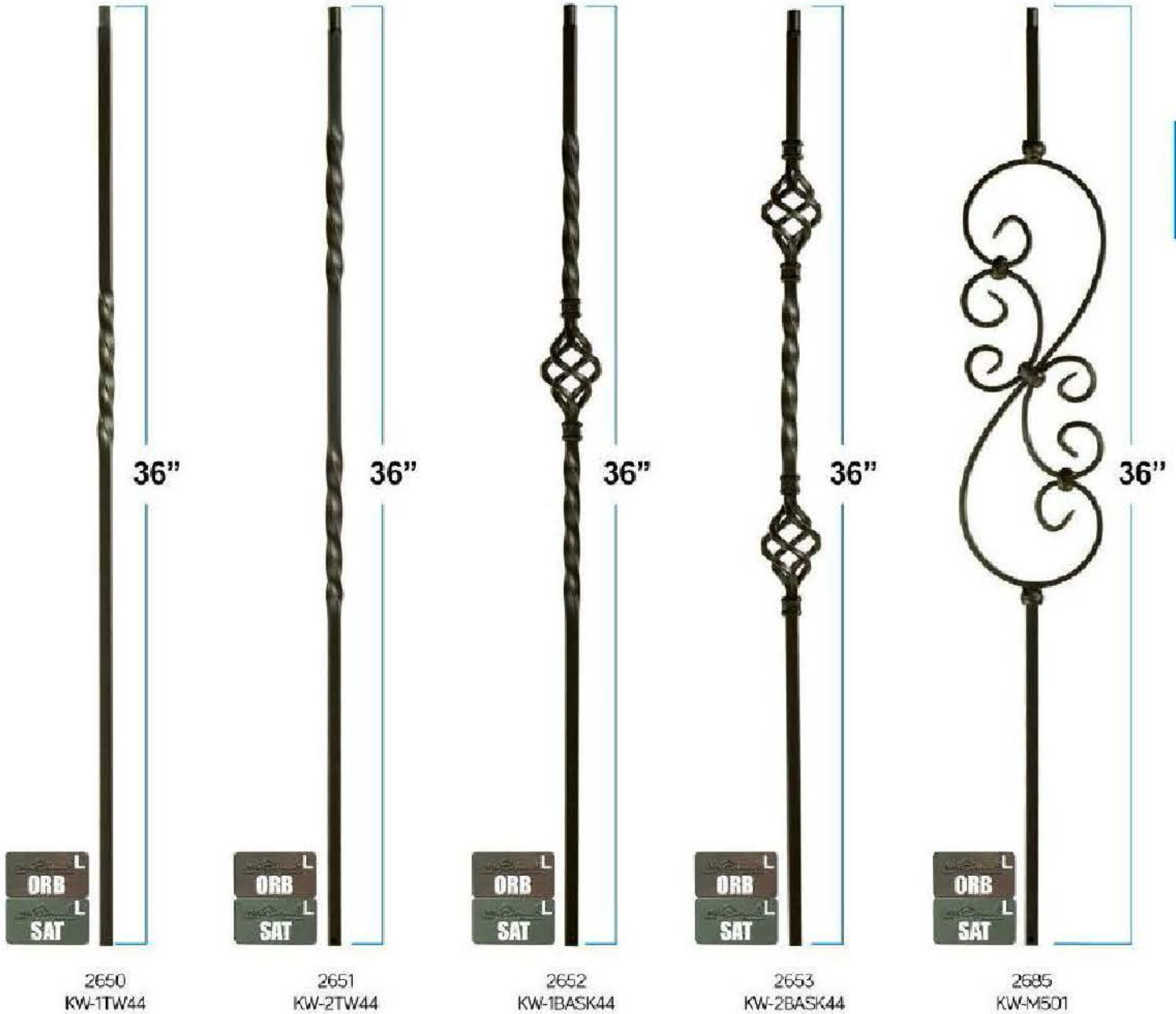


2350
PSH-02

1/2" Square

Knee Wall series - 36" length

IRON



L
ORB
L
SAT

2650
KW-TW44

L
ORB
L
SAT

2651
KW-2TW44

L
ORB
L
SAT

2652
KW-1BASK44

L
ORB
L
SAT

2653
KW-2BASK44

L
ORB
L
SAT

2685
KW-M501

Knuckle Options

S L
ABZ
S L
BLACK
S L
ORB
S L
ORC
S L
SAT



2910
SCR-04

S L
ABZ
S L
SAT



2911
M-020

L
BLACK

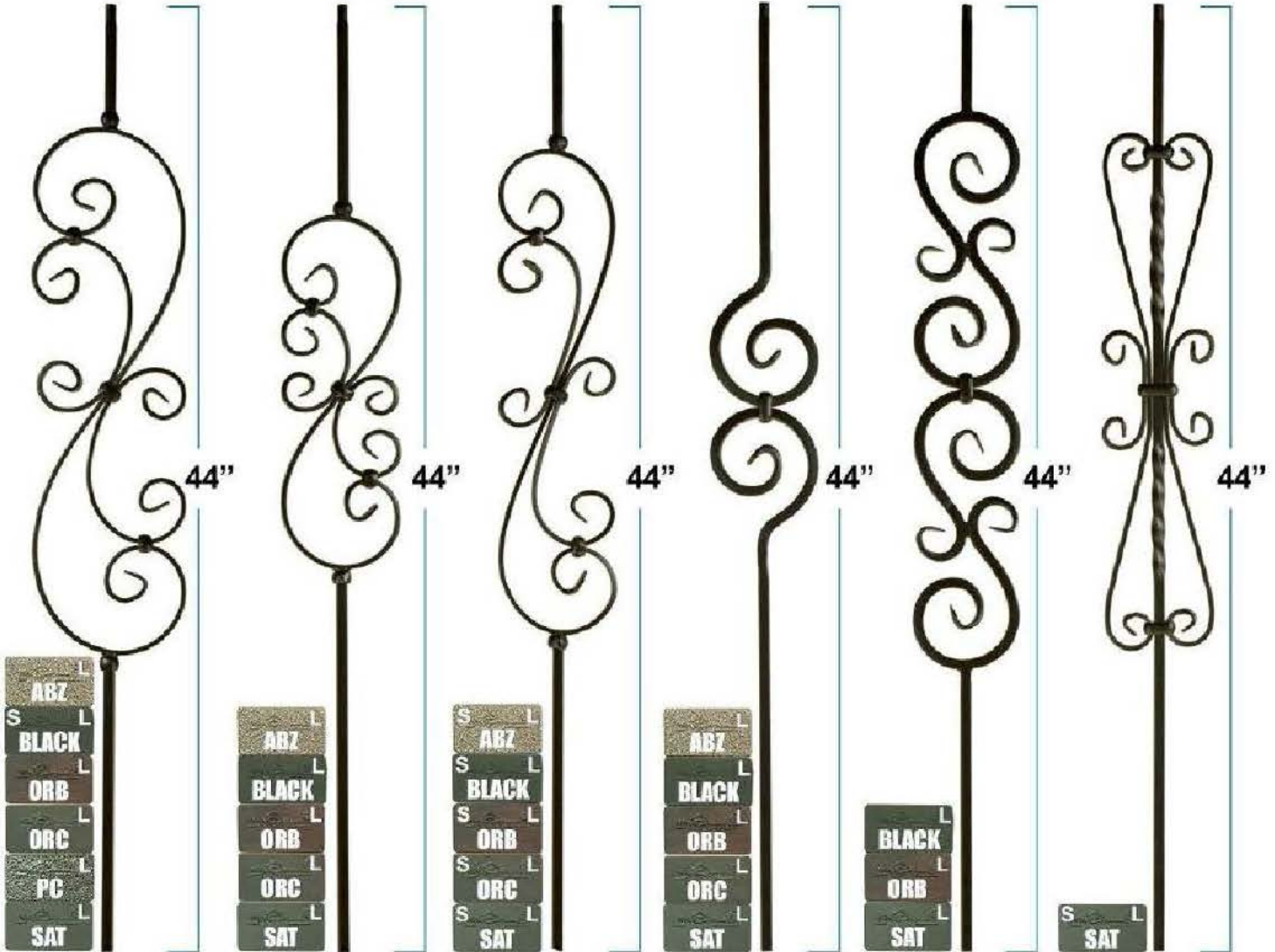


2912
M-022

Scroll series

1/2" Square

IRON



2580
M30144

2585
M50144

2581
M60144

2582
M32544

2583
M32644

2982
M33144

1/2" Square Shoe &



2340
FSH-01

2342
M-06

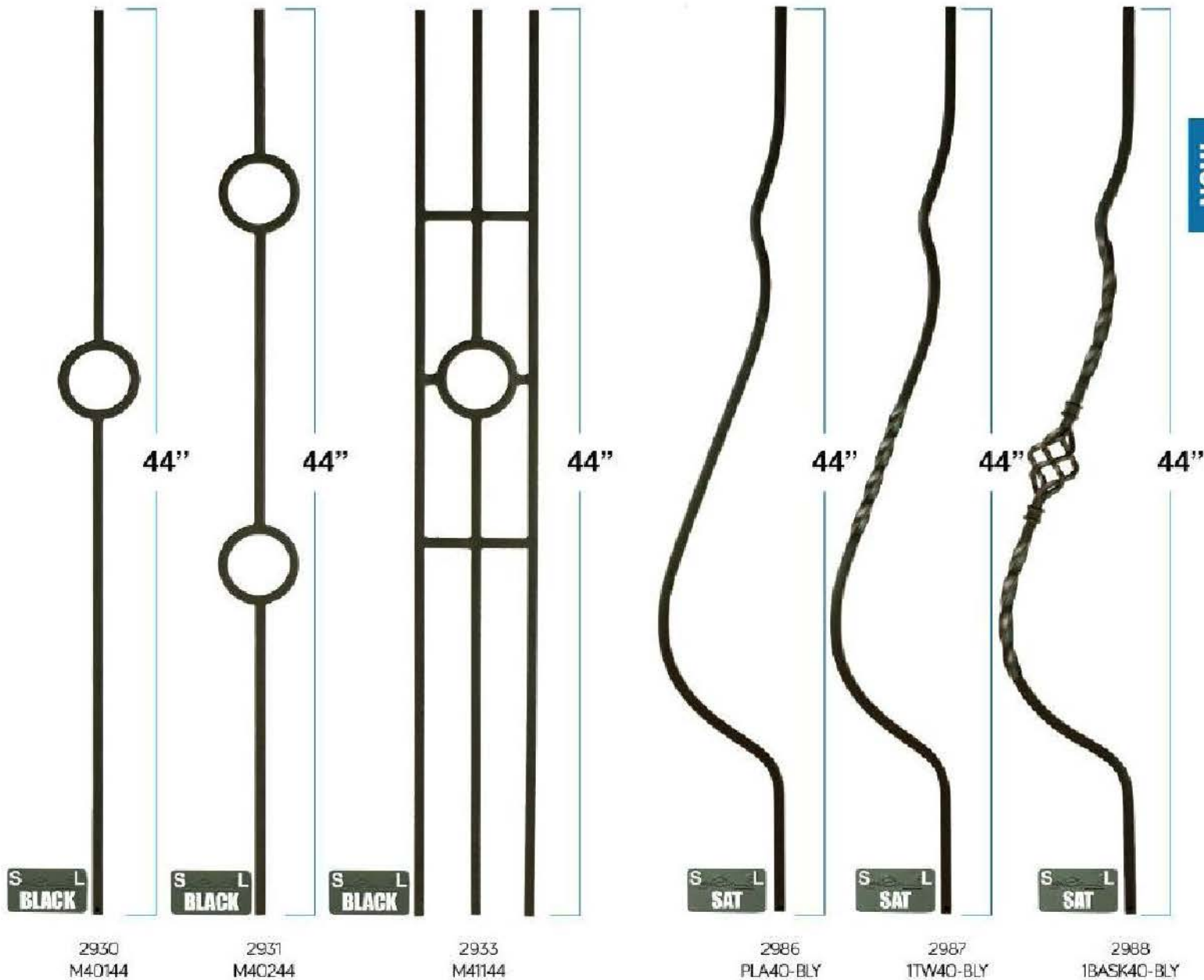
2345
AK-01

2350
PSH-02

Medallion series

1/2"

Belly series



IRON

Knuckle Options



2910
SCR-04



2911
M-020



2912
M-022

9/16" Iron Offering

Gothic *series*

9/16" Square

IRON

44"

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	

2575
M14344

44"

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	

2570
M14044

44"

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	

2571
M15044

44"

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	

2572
M16044

9/16" Square Shoe Options

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	



2341
H-03

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	



2351
H-05P

S	L
ABZ	
S	L
BLACK	
S	L
ORB	
S	L
ORC	
S	L
SAT	

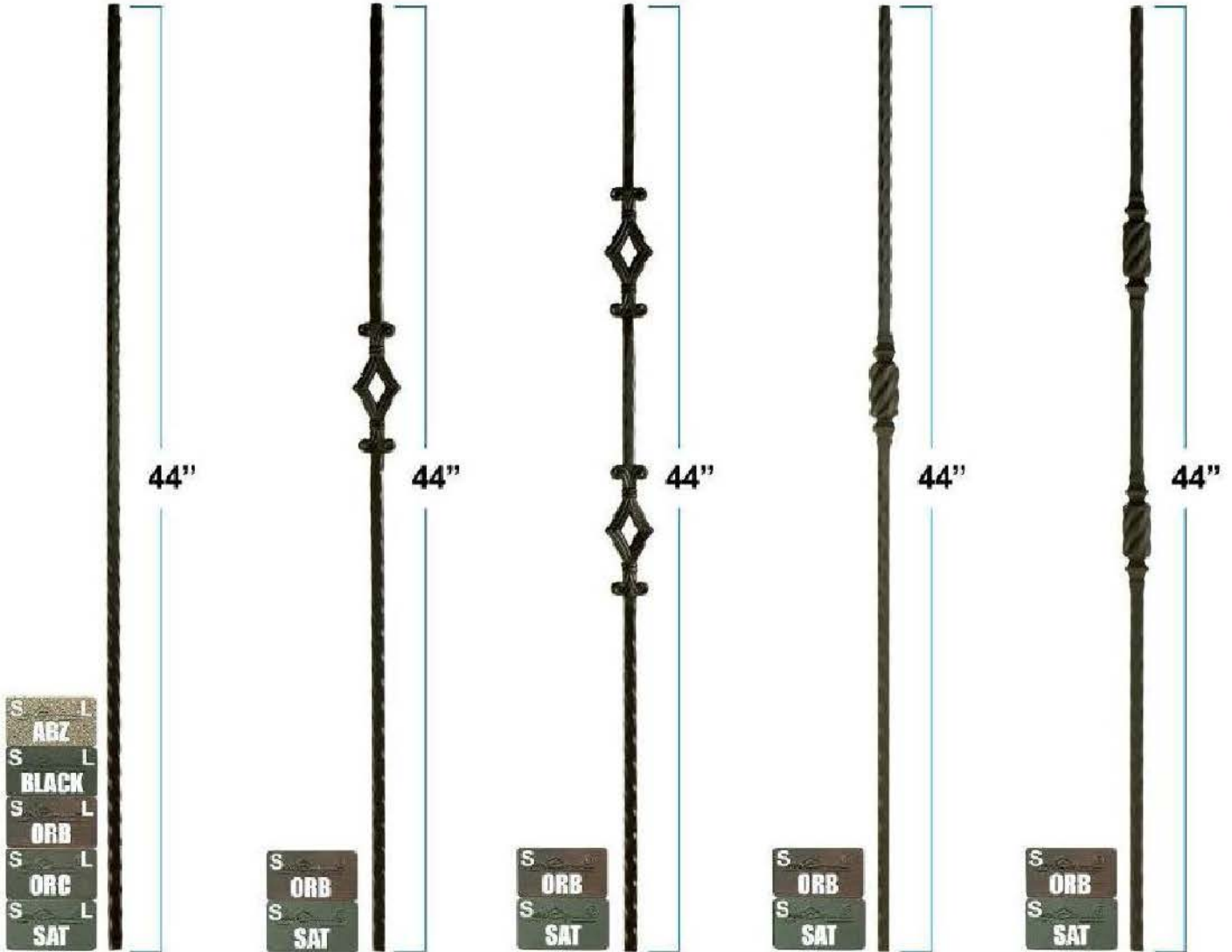


2915
H-06

9/16" Square

Mediterranean series

IRON



2995
M9044

2760
M13344

2761
M13444

2766
M13144

2767
M13244

9/16" Square Shoe Options



2341
H-03



2351
H-05P



2915
H-06

Mediterranean *series*

9/16" Square

IRON



44"

2996
M10044



44"

2997
M11044



44"

2797
M30344



44"

2990
M30544



44"

2991
M30844

9/16" Square Shoe Options



2341
H-03



2351
H-05P

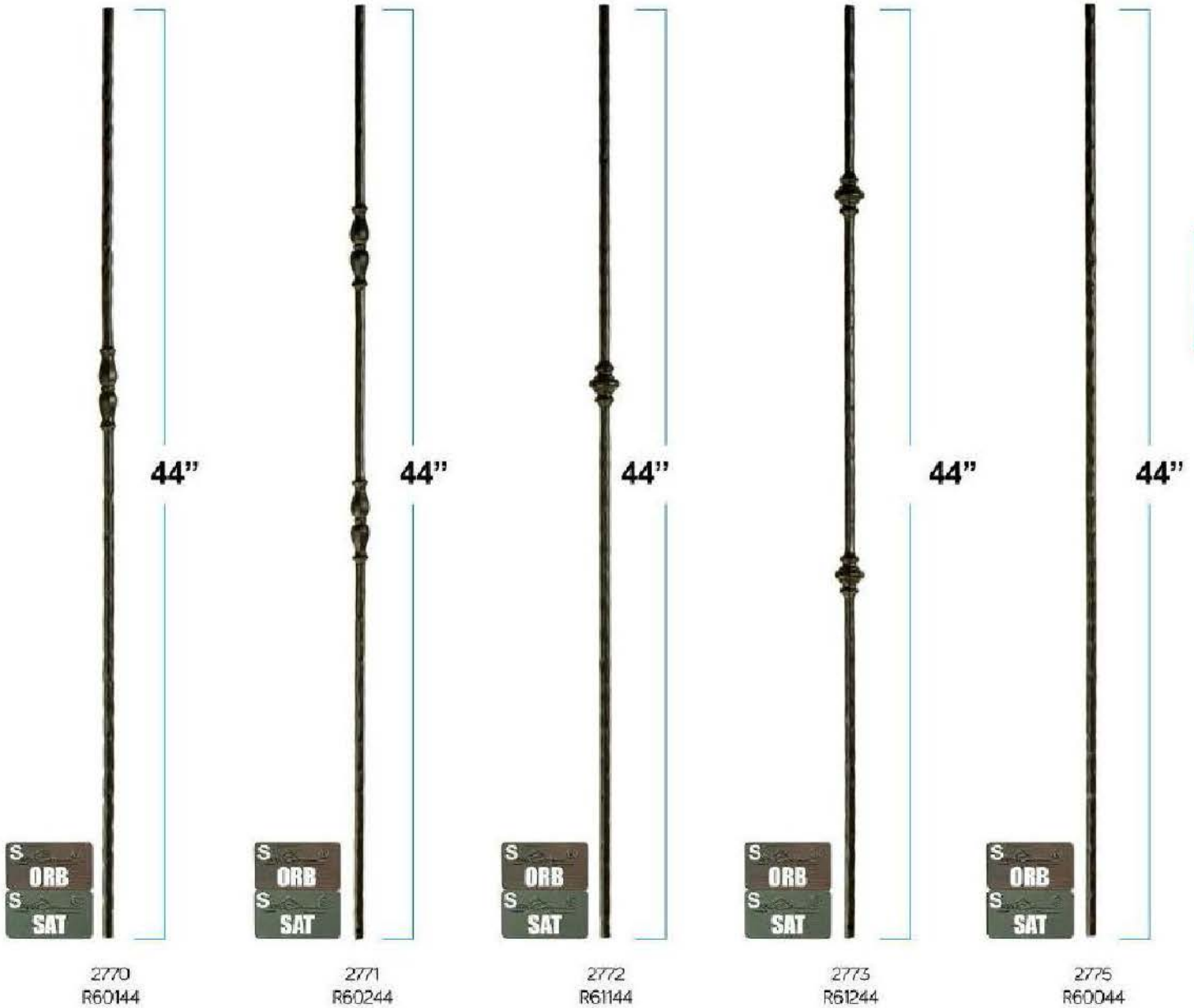


2915
H-06

1/2" Round

1/2" Round series

IRON



1/2" Round Shoe Options



5/8" Round

Venetian series

IRON



5/8" Round Shoe & Knuckle Options



Round 9/16" series

9/16" Round

IRON



2970
R54344



2971
R54044



2972
R55044

9/16" Round Shoe & Knuckle Options



2916
R-07F



2917
R-06P

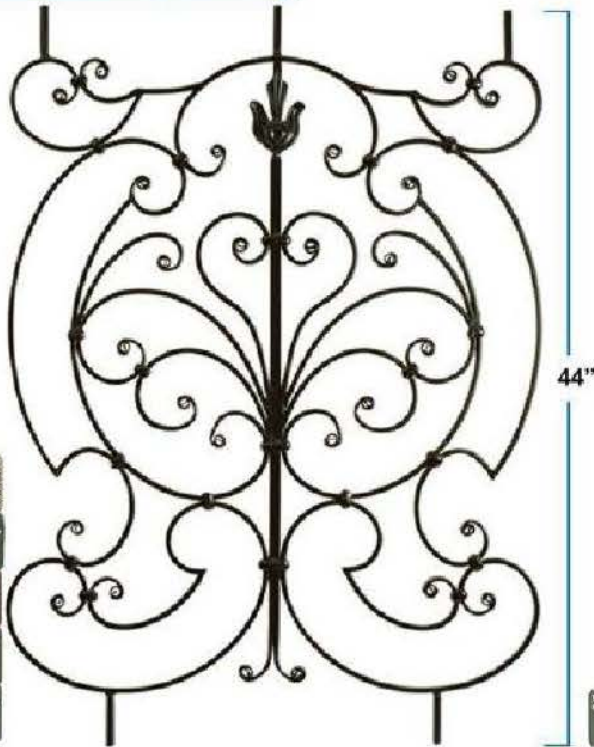


2918
RAK-03

Decorative Panels - 1/2"

IRON

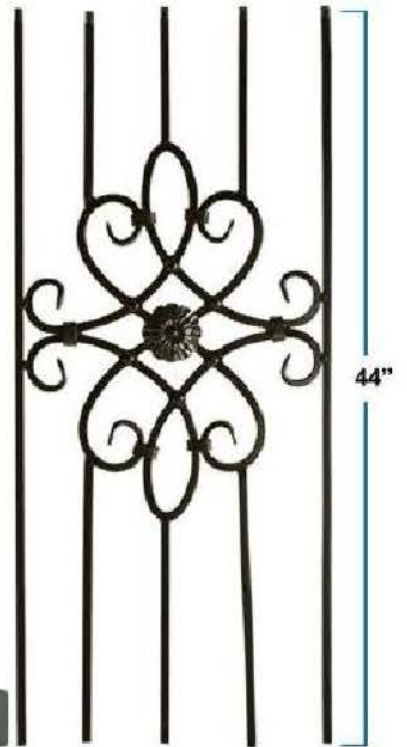
- ANZ** L
- BLACK** L
- ORB** L
- ORC** L
- SAT** L



2490
REN-PANEL



2491
M-399



2492
M-555

1-3/16" - Iron Newels



2450
NEWL-BASK48



2452
NEWL-TW48



2940
NEWL-14048



2360
NC-101

3/4" Square

MEGA series

IRON



2850
MEGA-1TW



2851
MEGA-2TW



2852
MEGA-1BASK



2853
MEGA-2BASK

3/4" MEGA Square Shoes



2390
MEGA-PSH-08



2391
MEGA-FSH-08

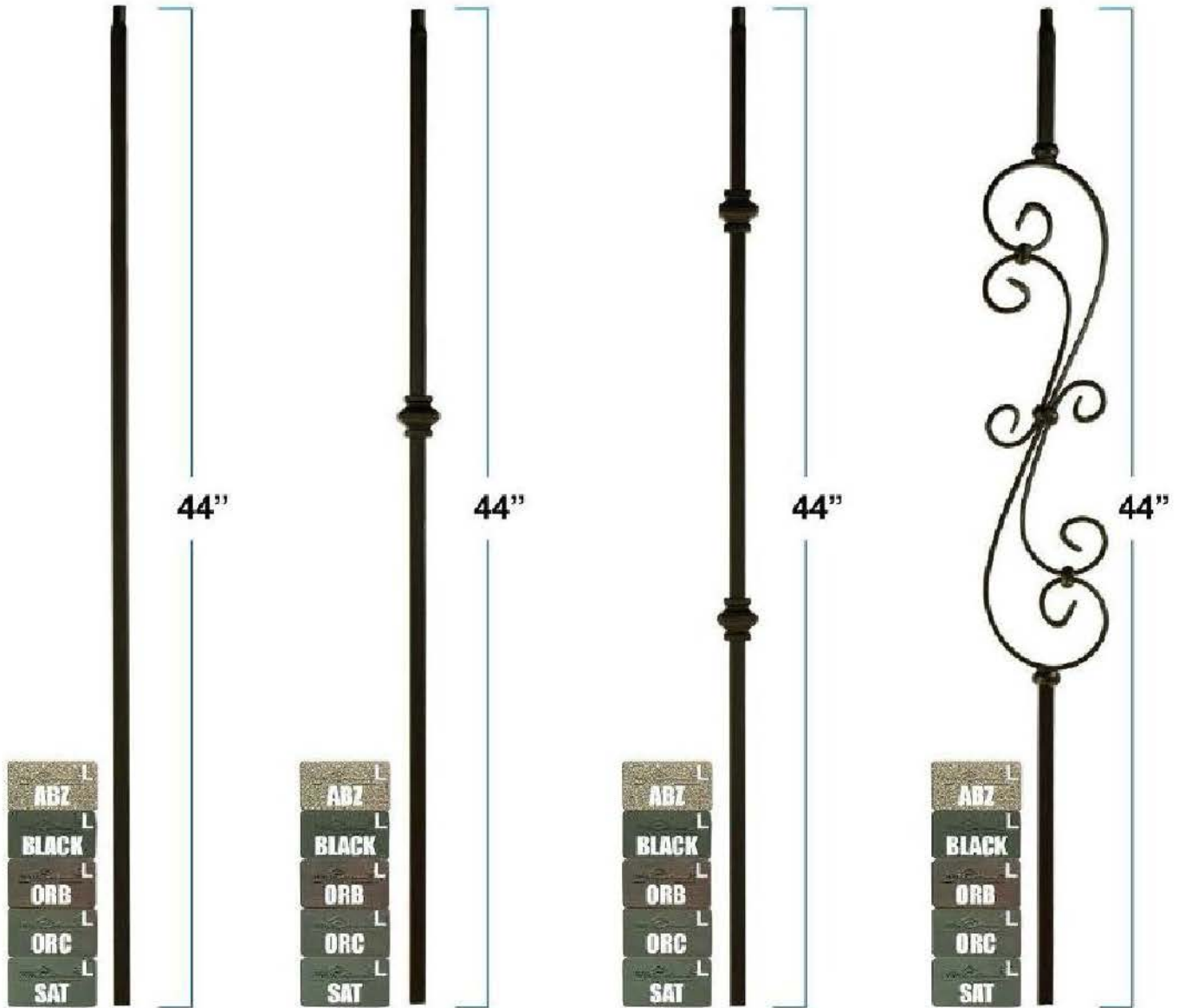


2392
MEGA-M-08

3/4" Square

MEGA series

IRON



2855
MEGA-PLA

2856
MEGA-1KNUC

2857
MEGA-2KNUC

2881
MEGA-M601

3/4" MEGA Square Shoes



2390
MEGA-PSH-08



2391
MEGA-FSH-08



2392
MEGA-M-08

1/2" Shoes & Knuckles



2340
FSH-01



2342
M-06



2345
AK-01



2350
PSH-02



2910
SCR-04



2911
M-020



2912
M-022



2370
R-08F



2371
R-09P

IRON

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



2390
MEGA-PSH-08



2391
MEGA-FSH-08



2392
MEGA-M-08

Other Shoes



2375
R-10



2352
RAK-01



2360
NC-101

Handrail Brackets / Iron Epoxy Adhesive Systems

Wall Rail Brackets



C-3631
Standard Wall Rail Bracket
Wall-to-Center - 2-3/4"
Available Finishes
C-3631PB Polished Brass 573002
C-3631BN Brushed Nickel 573039
C-3631CHR Chrome 573020
C-3631FB Flat Black 573022
C-3631SB Satin Black 573023
C-3631ORB Oil Rubbed Bronze 573105



C-3632
Long Arm Standard
Wall Rail Bracket
Wall-to-Center - 3-1/2"
Available Finishes
C-3632PB Polished Brass 573038
C-3632BN Brushed Nickel 573138
C-3632ORB Oil Rubbed Bronze 573135



C-3621
Premium Handrail Bracket
Wall-to-Center - 2-3/8"
Available Finishes
C-3621PB Polished Brass 573003
C-3621AB Antique Brass 573009
C-3621BN Brushed Nickel 573007
C-3621CHR Chrome 573006
C-3621BC Brushed Chrome 573010
C-3621B Textured Black 573008
C-3621SB Satin Black 573021
C-3621ORB Oil Rubbed Bronze 573015



C-3622
Premium Handrail Bracket
Wall-to-Center - 3-3/8"
Available Finishes
C-3622PB Polished Brass 573014
C-3622BN Brushed Nickel 573024
C-3622ORB Oil Rubbed Bronze 573025

Rail brackets are shipped with all installation hardware

Use with Iron Collection



C-3611
Iron Handrail Bracket
Wall-to-Center - 3-1/4"
Available Finishes
C-3611BLK Flat Black 573013
C-3611SAT Satin Black 573016
C-3611PC Gray/Black 573012
C-3611ABZ Antique Bronze 573011
C-3611ORB Oil Rubbed Bronze 573019
C-3611ORC Oil Rubbed Copper 573018
C-3611AN Antique Nickel 573017

Job-Lot Epoxy Adhesive Systems

Epoxy Glue System



2302 Manual Dispenser



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

Epoxy Glue System - Option 2



2902 / F-101
Injector Tool

2903 Extra Mixing
Nozzle (1 ea)



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



2905
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)

WM Coffman Finely Crafted Wood Collections *Available Stocking Wood Species*



Alder



Beech



Hard Maple



Poplar



Red Oak



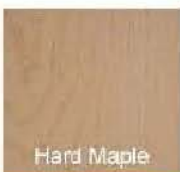
White Oak

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



Hard Maple



Hickory



Mahogany



Walnut



Alder



Beech



Cherry



White Oak

Custom Species

Box Newels

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.



Removable Caps

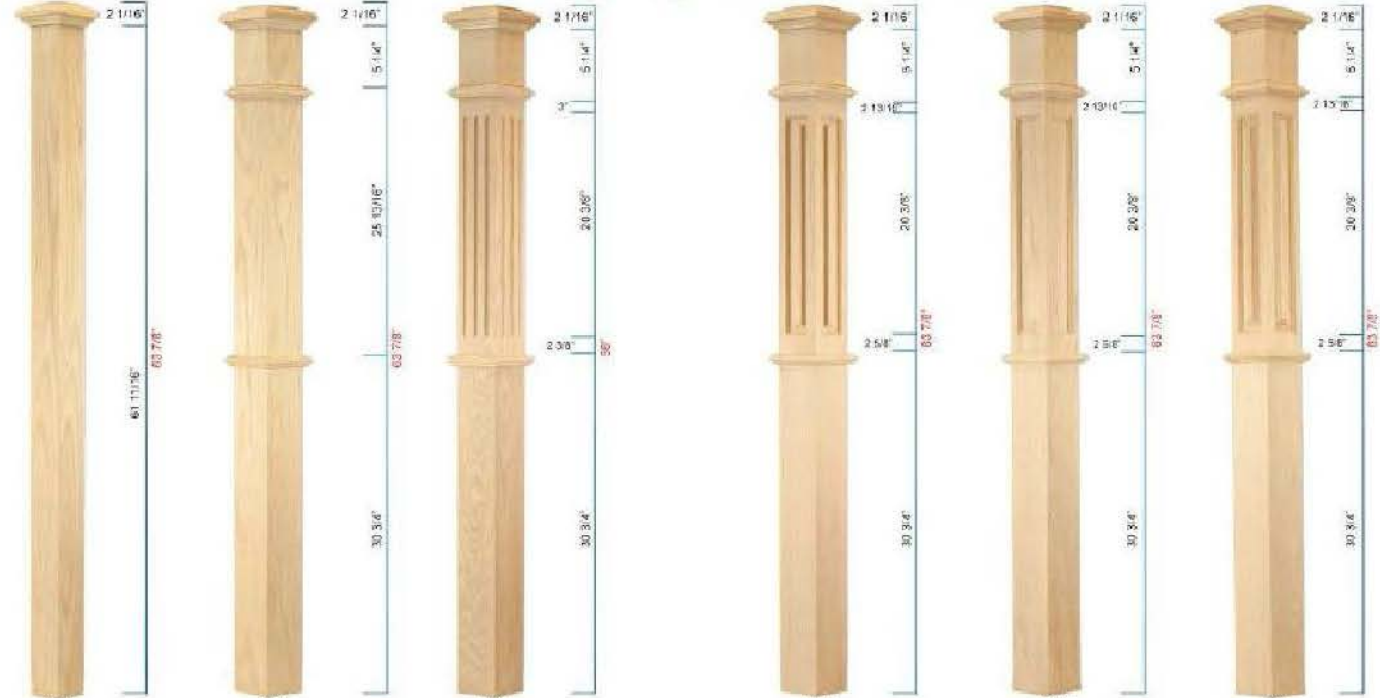
Removeable Cap Style Box Newels

BOX NEWEL



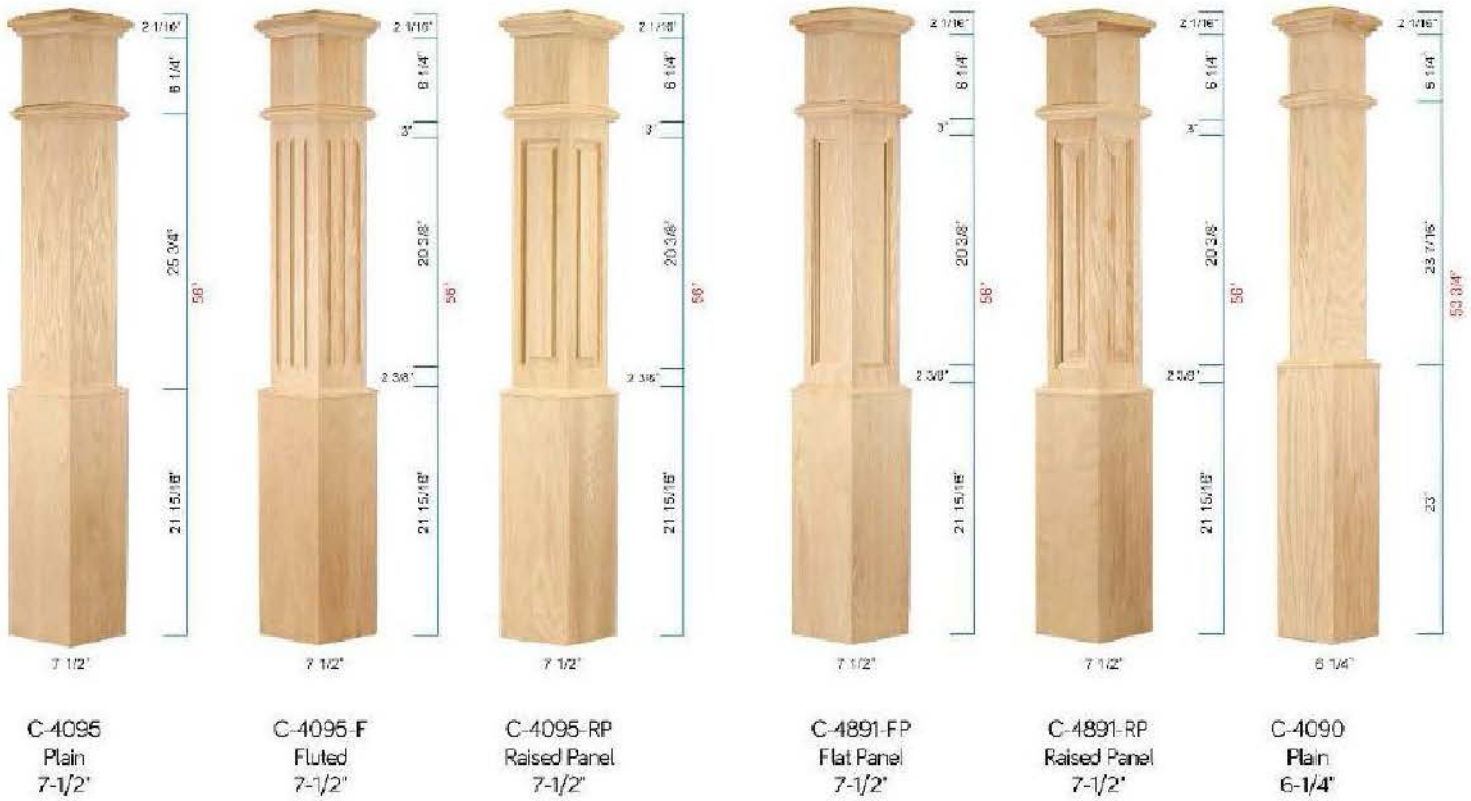
C-4075 Landing 3-1/2"	C-4291ADJ Adjustable 3-1/2" w/ 5" Sleeve	C-4091 Plain 6-1/4" Bottom	C-4091-F Fluted 6-1/4" Bottom	C-4091-FP Flat Panel 6-1/4" Bottom	C-4091-RP Raised Panel 6-1/4" Bottom	C-4091-IP Int. Panel 6-1/4" Bottom
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Fixed Cap Style Box Newels



C-4077 Landing 3-1/2"	C-4695 Plain 4-1/2"	C-4695-F Fluted 4-1/2"	C-4695-RP Raised Panel 4-1/2"	C-4691-FP Flat Panel 4-1/2"	C-4691-RP Raised Panel 4-1/2"
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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"



Plain



Flat Panel

Available in:
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



Mahogany

Red Oak

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

CHOOSE THE LOOK YOU WANT



Plain Primed Post



Plain Primed Post w/ Red Oak Cap



Plain Primed Post w/ Red Oak Cap/Trim Set



Plain Primed Post w/ Red Oak Cap/Trim Set & Primed Sleeve



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

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.

Traditional Series

Hampton Series

Classic Series

Art Deco Series

Bristol Series

Chippendale Series

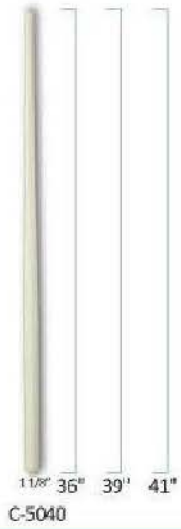
Marion Series

Richmond Series

Craftsman Series

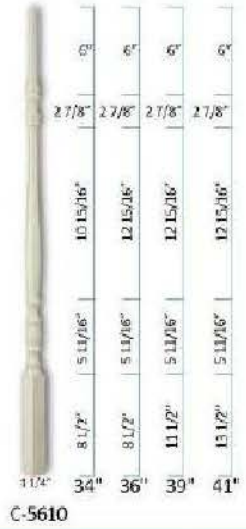
Wm Coffman's Traditional Series Collection derives its beautiful style from the Georgian, Federal and Greek Revival periods of architecture. Graceful tapers and delicate beadwork are brought together to create a time-honored look.

WOOD



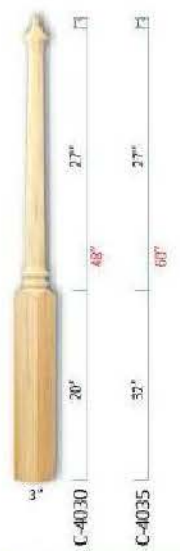
Pintop Balusters

Use with Non-Plowed Handrail

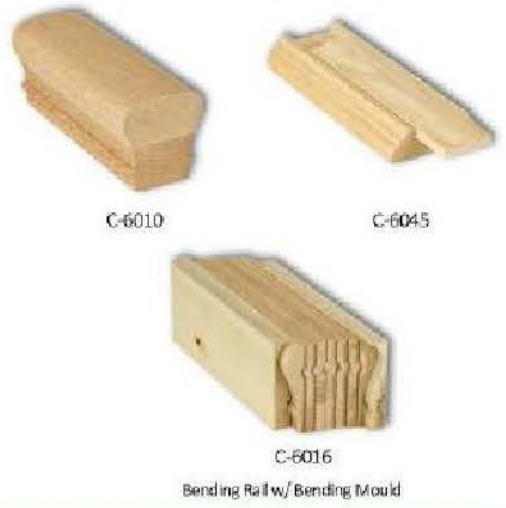


Pintop Newels

Use with Fittings





Recommended Handrail



Square Top Balusters

Use with Plowed Handrail

	51/8"	38"	67/8"	11/4"
C-5067	31"	34"	36"	39"
	51/8"	51/8"	51/8"	51/8"
	67/8"	67/8"	97/8"	117/8"


	53/8"	36 1/8"	9 1/2"	1 1/4"
C-5070	31"	34"	36"	39"
	53/8"	53/8"	53/8"	53/8"
	9 1/2"	9 1/2"	9 1/2"	9 1/2"

Square Top Newels

Post-to-Post



Available in Mushroom Top & Ball Top

	23/8"	5"	23 1/4"	47 1/2"	3"	15 7/8"	23 1/4"	23/8"	C-4040
	23/8"	5"	23 1/4"	53 1/2"	22 7/8"	23 1/4"	53 1/2"	23/8"	C-4042
	23/8"	10"	23 1/4"	59 1/2"	23 7/8"	23 1/4"	59 1/2"	23/8"	C-4045
	23/8"	13"	23 1/4"	59 1/2"	20 7/8"	23 1/4"	59 1/2"	23/8"	C-4046

	23/8"	5"	23 1/4"	68"	37 3/8"	23 1/4"	23/8"	C-4055
--	-------	----	---------	-----	---------	---------	-------	--------

Recommended Handrail



C-6010P




C-6045



C-6016

	38"	20 1/2"	48"	6 1/2"	1/4"	C-4540
	24"	20 1/2"	54"	6 1/2"	1/4"	C-4542
	25 1/2"	15 1/2"	54"	10"	1/4"	C-4545
	22 1/2"	15 1/2"	54"	13"	1/4"	C-4546
	25 1/2"	15 1/2"	60"	15"	1/4"	C-4547
	31 1/2"	20 1/2"	60"	6 1/2"	1/4"	C-4548

	20"	17 1/2"	48"	6 1/2"	3/4"	C-4550BT
	26"	17 1/2"	54"	6 1/2"	3/4"	C-4555BT
	19 1/2"	17 1/2"	54"	13"	3/4"	C-4556BT

WOOD



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

WOOD

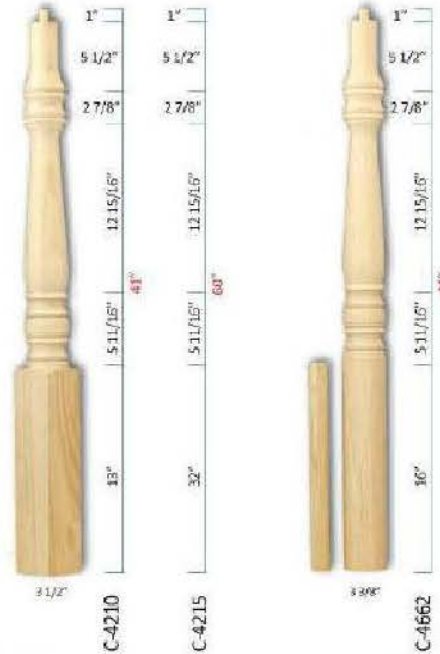
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



Recommended Handrail



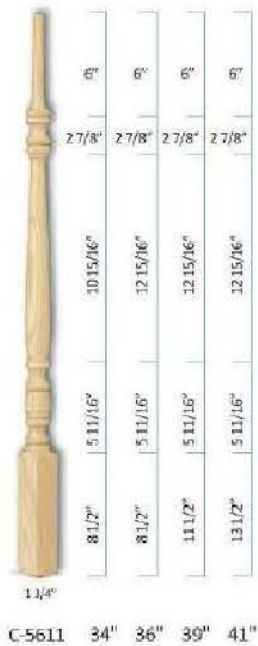
Classic Series

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.

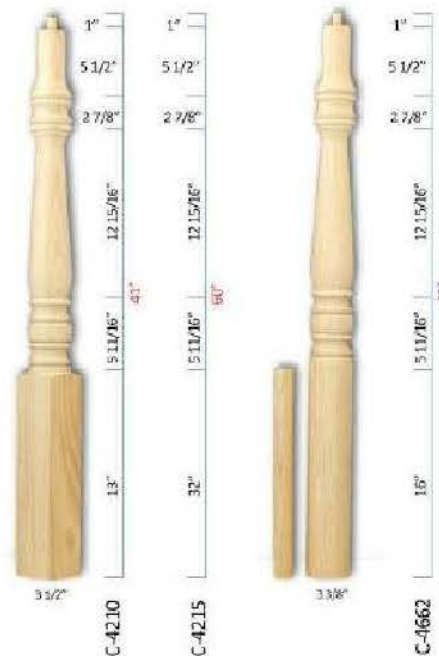
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



Recommended Shoerail

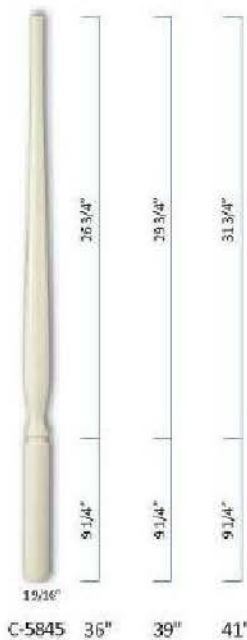


Wm Coffman's Hampton Collection offers a combination of pure straight lines, detailed carvings & bold proportions.

WOOD

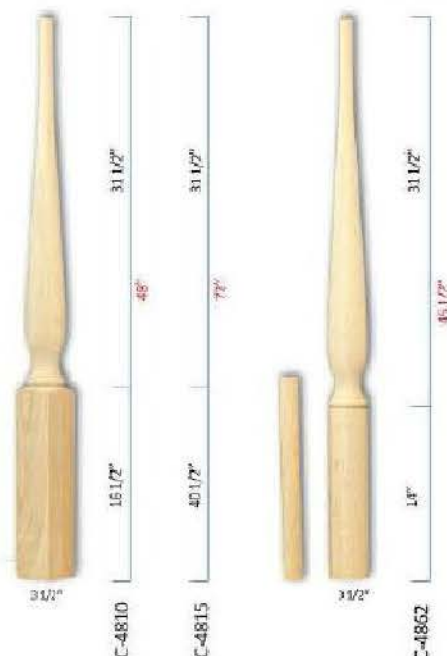
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



Recommended Handrail



C-6210



C-6110

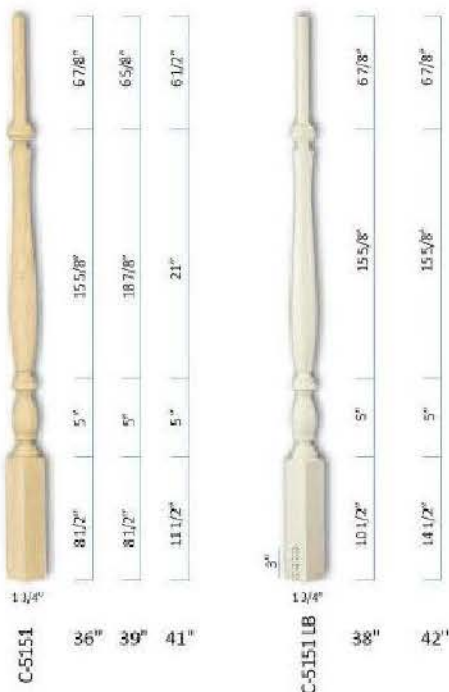
Bristol Series

Over-the-Post

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

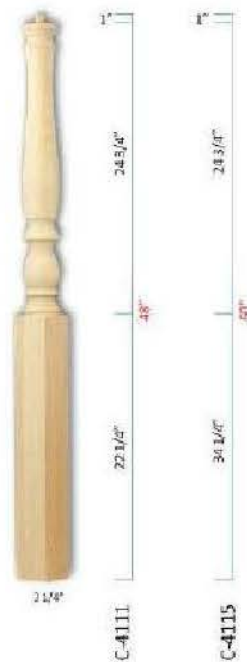
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



C-6310



C-6410

Recommended Shoerail



C-6006

Square Top Newels

Recommended Handrail



C-6210P1



C-6110P1



C-6410P1



C-6700P1

Recommended Shoerail



C-6006



3 1/2"

6 1/2" | 5"
18"
56"

C-4640

35"
18"
72"
5"

C-4845

Post-to-Post

Square Top Newels



3 1/4"

6 1/2" | 5 1/2"
30 1/2" | 54"
C-4172

10" | 5 1/2"
20 1/2" | 54"
C-4175

13" | 5 1/2"
20 1/2" | 54"
C-4176



6"

22" | 23" | 65/8" | 8 3/8"
60"
C-4179



1 3/4"

8 1/2" | 5" | 35 5/8" | 67/8"
36"

8 1/2" | 5" | 18 7/8" | 6 5/8"
39"

8 1/2" | 5" | 21" | 6 1/2"
41"

Bristol Series

Square Top Balusters Use with Plowed Handrail



WOOD

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.

WOOD

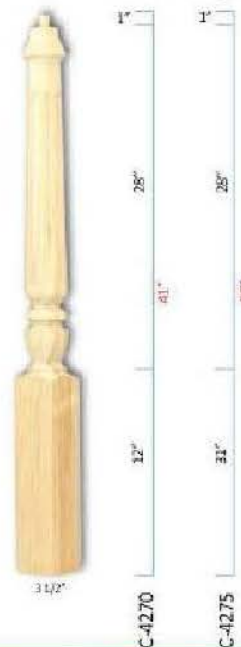
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



Recommended Handrail



C-6210



C-6110

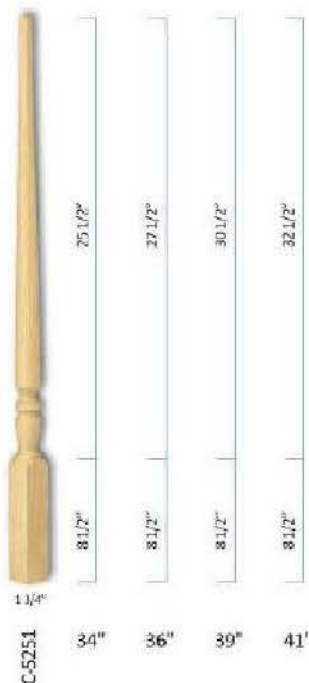
Marion Series

Over-the-Post

The Marion Collection provides a versatile look that easily adapts to any setting. Urns, vases and traditional carvings combine to create strong lines that enhance any home's décor.

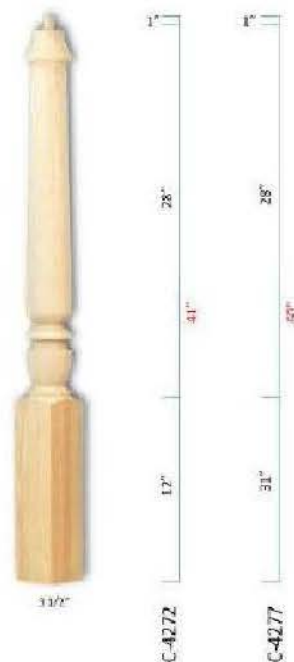
Pintop Balusters

Use with Non-Plowed Handrail



Pintop Newels

Use with Fittings



C-6310



C-6410

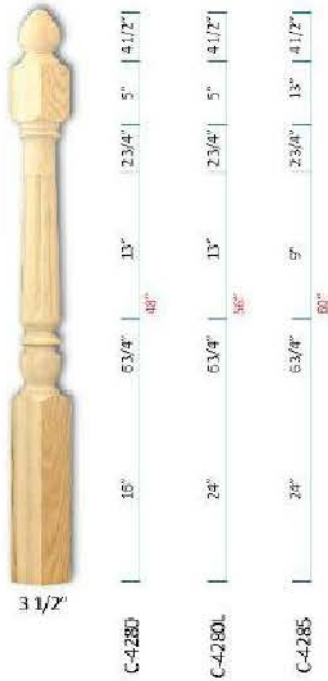


Recommended Shoerail

C-6006



Square Top Newels



Recommended Handrail



Recommended Shoerail



Square Top Balusters

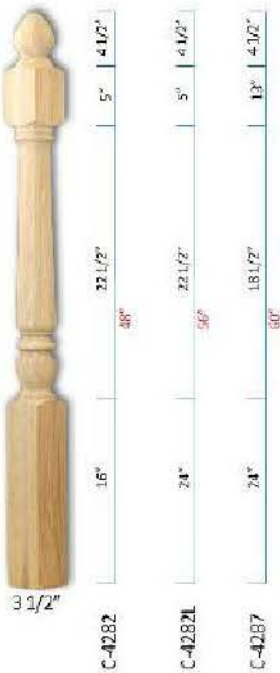
Use with Plowed Handrail



Post-to-Post

Marion Series

Square Top Newels



Square Top Balusters

Use with Plowed Handrail



WOOD

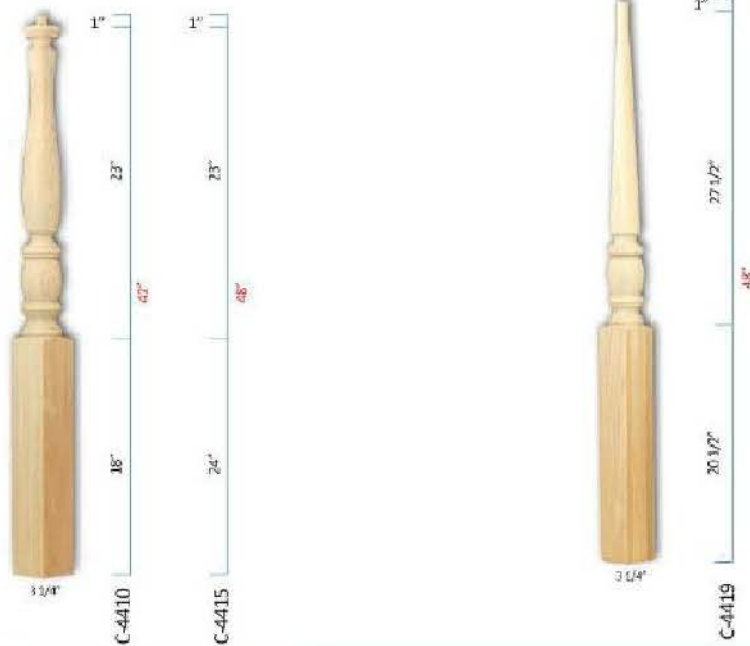


Wm Coffman's Richmond Collection of Newels offers a rich look when combined with any WM Coffman wood collection balusters or pair with wrought iron to create an inviting staircase.

Pintop Newels

Use with Fittings

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



WOOD

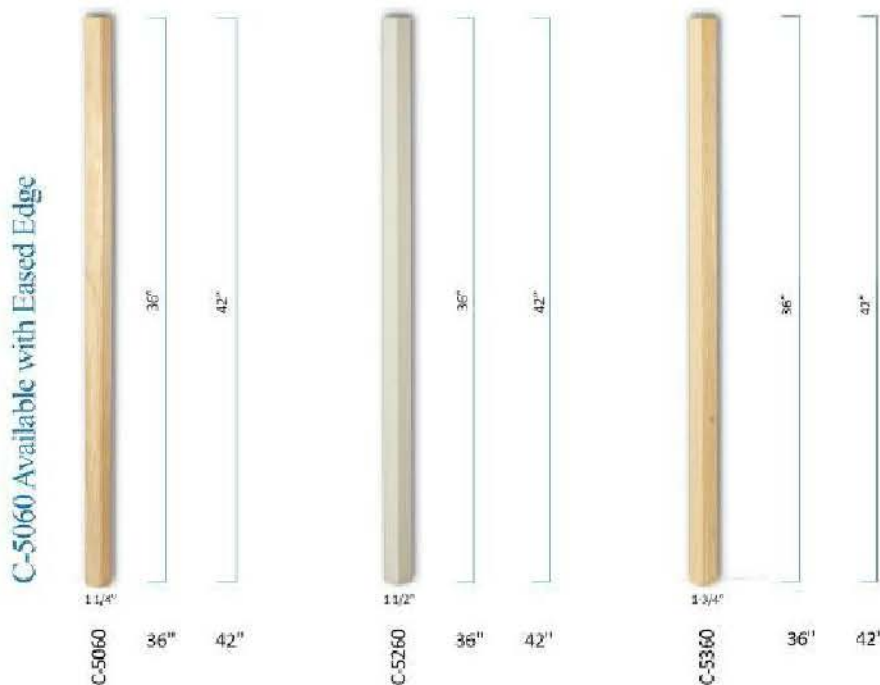
Craftsman Series

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

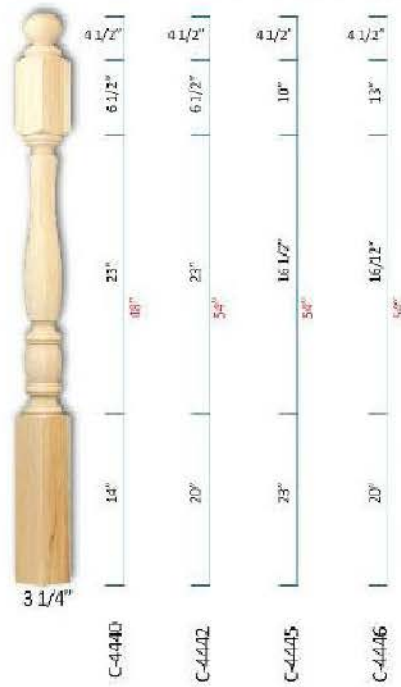
Use with Flowed Handrail



C-5060 Available with Eased Edge

Square Top Newels

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



WOOD

Post

Craftsman Series

Square Top Newels

Use with Plowed Handrail

Recommended Handrail

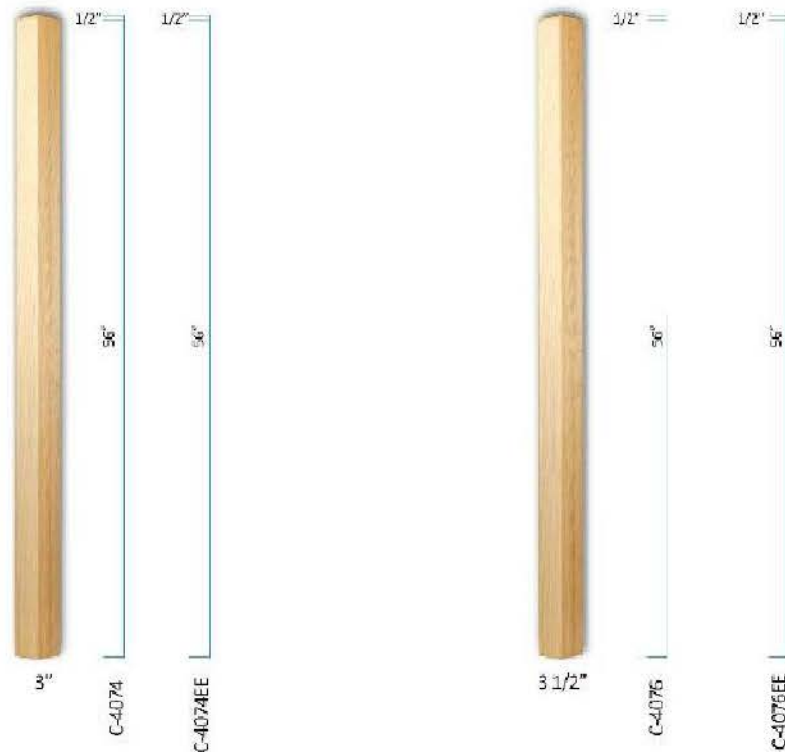


C-6700P (1-1/4")
C-6700P1 (1-3/4")

Recommended Shoerail

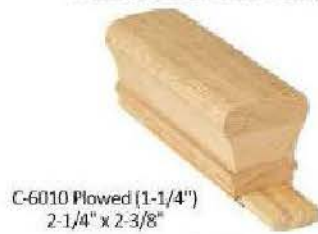


C-6006



WOOD

Traditional Handrail



7 piece w/ Bending Mould

C-6016 Bending Rail
2-1/4" x 2-3/8"



Classic Handrail



8 piece w/ Bending Mould

C-6216 Bending Rail
2-5/8" x 2-3/8"



Bristol Handrail

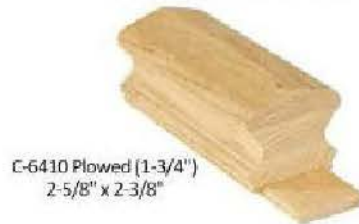


9 piece w/ Bending Mould

C-6116 Bending Rail
2-3/4" x 2-3/4"



Richmond Handrail

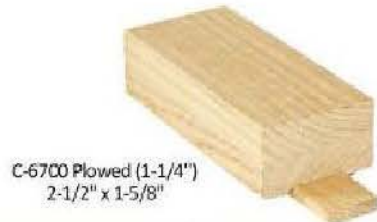


9 piece w/ Bending Mould

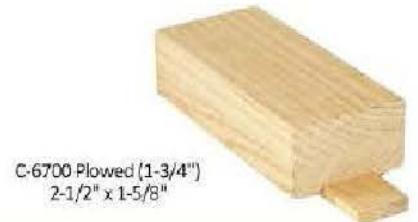
C-6416 Bending Rail
2-5/8" x 2-3/8"



Georgian Handrail



Craftsman Handrail



Shoe Rail



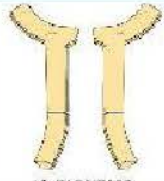







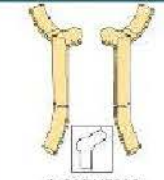



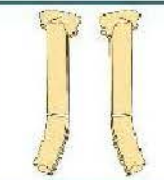


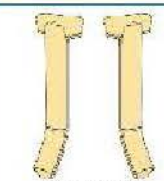


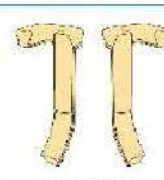



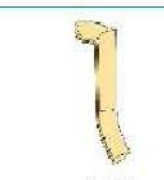





Wall Rail



Fillet



WM Coffman Line of Fittings - Match for Goosenecks

 <p>C-7050/7055</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7011</p>	<p>+</p>	 <p>C-7012S</p>
 <p>C-7060/7065</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7021</p>	<p>+</p>	 <p>C-7012S</p>
 <p>C-7081/7086</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7022</p>	<p>+</p>	 <p>C-7012S</p>
 <p>C-7071/7076</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7011</p>		
 <p>C-7081/7086</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7021</p>		
 <p>C-7091/7094</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7011</p>	<p>+</p>	 <p>C-7011</p>
 <p>C-7089</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7020</p>		
 <p>C-7097</p>	<p>ORDER →</p>	 <p>C-7099</p>	<p>+</p>	 <p>C-7019</p>		

WOOD

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/Right Hand
Volute**



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



C-7040/C-7045
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-7014S
C-7214S
C-7114S
C-7414S
C-7314S
Up Easing 90°



C-7016
C-7216
**Over Easing
Returned End**



C-7018
C-7218
C-7118
C-7418
C-7318
Opening Cap



C-7020
C-7220
C-7120
C-7420
C-7320
Tandem Cap



C-7021
C-7221
C-7121
C-7421
C-7321
**Quarterturn
Cap 90°**



C-7022
C-7222
C-7122
C-7422
Level Cap 45°



C-7026
C-7226
C-7126
Level Turn 45°



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

WOOD



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-70XX Fittings = C-6010 Rail

C-72XX Fittings = C-6210 Rail

Gooseneck Fittings



C-7071/C-7076
C-7371/C-7376

Left Hand Right Hand
2 Riser No Cap 90°



C-7089
C-7389

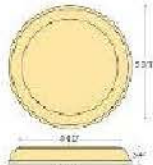
2 Riser with
Tandem Cap



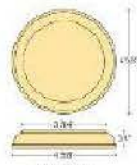
C-7099
C-7209
C-7199
C-7409
C-7399

2 Riser No Cap

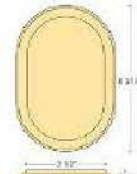
Rosettes



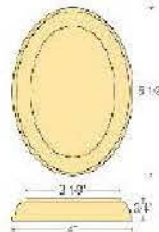
C-7217
Rosette



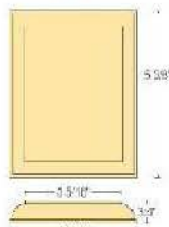
C-7917
Rosette



C-7237
Rosette



C-7337
Rosette



C-7318
Rosette



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

Wall Rail Fittings

Handrail Brackets show on Page 28



C-6040



C-6042



C-7023
Quarterturn



C-7024
Starting Easing

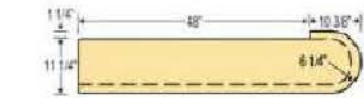


C-7025
Over Easing



C-7005
Quarterturn

Starting Steps



C-8010

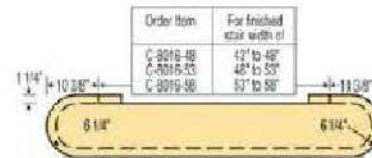


C-8010
Red Oak

Usable with all turnouts and volutes.

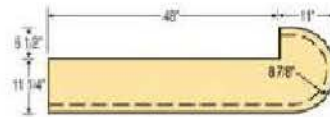


C-8015



C-8016
Adjustable Double End Bullnose

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



C-8030



C-8030
Red Oak

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



C-8050

Starting 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-8010SHOE

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

C-8015COVE

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

C-8015SHOE

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

The products in this section are manufactured under highly controlled standards for beauty that will last a lifetime. All are manufactured without the use of finger-joints, excluding landing tread (which may contain a single finger-joint in 14' and 16') and skirtboard.



C-8070 Tread No Return
1-1/32" x 11-1/2" and 13"



8070 MR Coped Reversible Return Tread
1-1/32" x 11-1/2"



C-8075 Riser
3/4" x 8"



C-9070 Hybrid Reversible (Oak Reveal) Tread
1-1/32" x 11-1/2"



C-8070 Tread Blanks
Avail S4S and Nosed 2 Slides
Size Varies



C-8090 3-1/2" Wide
C-8090 3/8" x 5-1/4" Wide
C-8090 5-1/4" Wide
C-8090 6-1/2" Wide
Landing Tread
Lineal Stock



C-8028
C-8028V (Veneread)
Tread Bracket
1/4" Thick



C-8029
C-8029V (Veneread)
Tread Bracket
1/4" Thick



C-8973 Skirtboard
1" x 8" (Actual 11/16" x 7 1/4")



C-8975 Skirtboard
1" x 12" (Actual 11/16" x 11 1/4")

BENDING LANDING TREAD
C-8596 - 5-1/4" 20 Piece
C-8696 - 6-1/2" 26 Piece



C-8085 Shoe Mould
1/2" x 3/4"
Lineal Stock



C-8095 Cove Mould
13/16" x 5/8"
Lineal Stock



C-8080-13 13" Return Nosing
1-1/4" x 1-1/32"



C-8080-13 MR Coped Return Nosing
1-1/4" x 1-1/32" x 12-3/4"



C-8080 Nosing
1-1/4" x 1-1/32"
Lineal Stock



C-8081 Nosing and Cove
1-1/4" x 1-27/32"
Lineal Stock

Tread and Riser Caps



C-8071 5-5/8" x 12" Tread Cap with Mitered Return Nosing and Cove Left or Right (LH Shown)



C-8072 5-5/8" x 12" Tread Cap with Nosing and Cove



C-8076 5-1/4" x 8" Riser Cap



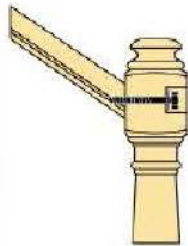
C-8011 Reversible Starting End Cap Includes Cove and Shoe Molds



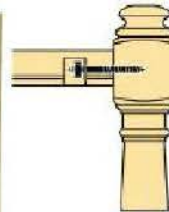
C-8010-2 Reversible Starting End Cap (No Notch). Moulding Not Included.



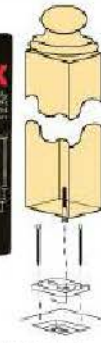
C-8079 Reversible False Tread / Riser (oak)



C-3301
Rail & Post Fastener
Includes Fastener,
Washer, Nut and Plugs



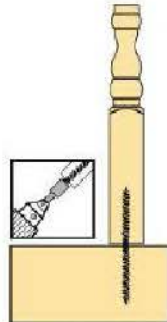
C-3302
Rail & Post Fastener
Includes Fastener,
Washer, Nut and Plugs



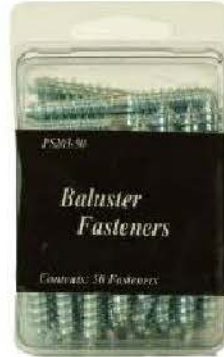
C-3283
Key Lock
2" x 2 5/8" x 3/8"



EZ-Mount



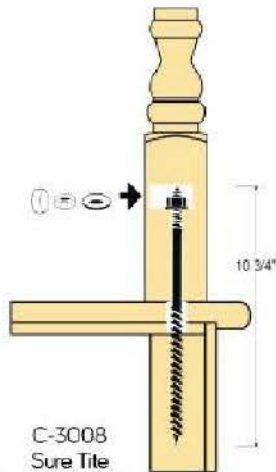
C-3201
Baluster Fastener
Drill Driver Kit
Includes — 4 Baluster Fasteners



C-3203 - 50 Pack
C-3203 B - 100 Bulk Pack
2-1/2" Baluster Fasteners



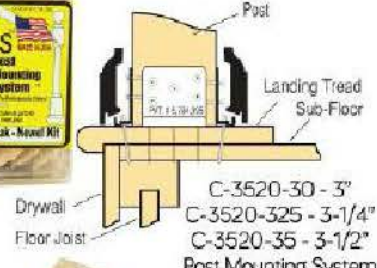
C-3501
Newel Plate Fastener
4-5/8" x 4-5/8". Includes
Plate and 13, 3"
Fastening Screws



C-3008
Sure Title
Newel Fastening
System Includes -
Lag Bolt, Washer,
Nut and 1-1/2"
Plugs



C-3505-30 - 3"
C-3505-35 - 3-1/2"
L-Bracket Post Fastener



C-3520-30 - 3"
C-3520-325 - 3-1/4"
C-3520-35 - 3-1/2"
Post Mounting System
C-3520TRIM
2'-0" Piece Colonial 4J Molding

ACCESSORIES



C-3001
3-1/2" Rail Bolt



C-3099
Miter Jig



C-3901
Rail Bolt Wrench



C-3010
Flush Rail Plug
1/2" Diameter



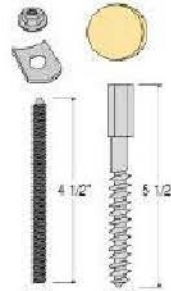
C-3015
Button Plug
1/2" Diameter



C-3000
Flush Rail Plug
1" Diameter



C-3020
Button Plug
1" Diameter



C-3284
Thread Lock



C-3009
Newel Anchoring
Hardware



C-3032
Rail Bolt Driver



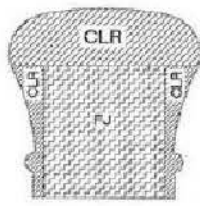
RP-100
Removable
Pin
(LB Balusters)

WM Coffman Hemlock Collection

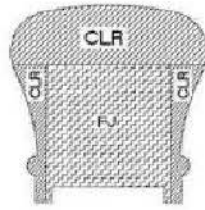
WM Coffman's **NEW Hemlock Collection** offers a craftsman look in this light colored wood specie.



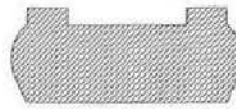
Handrail options



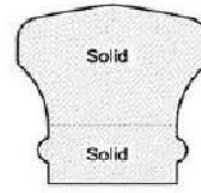
C-6010 ENG



C-6010P ENG



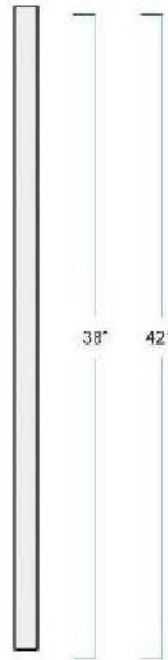
C-6045 ENG



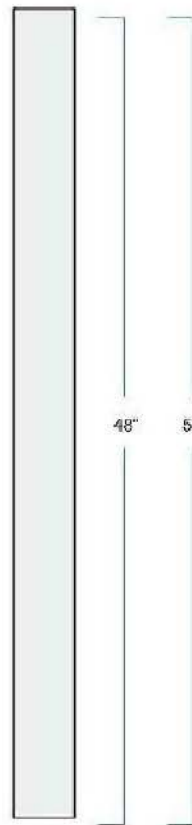
C-6601C ENG

Newel options

Baluster option

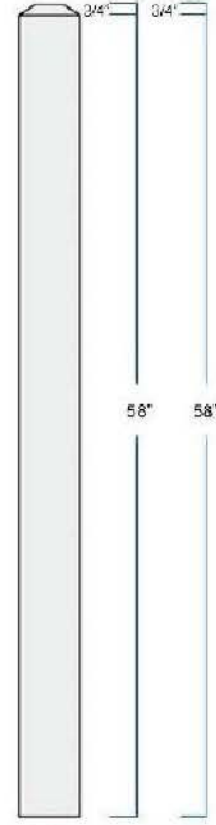


C-5060



C-4000

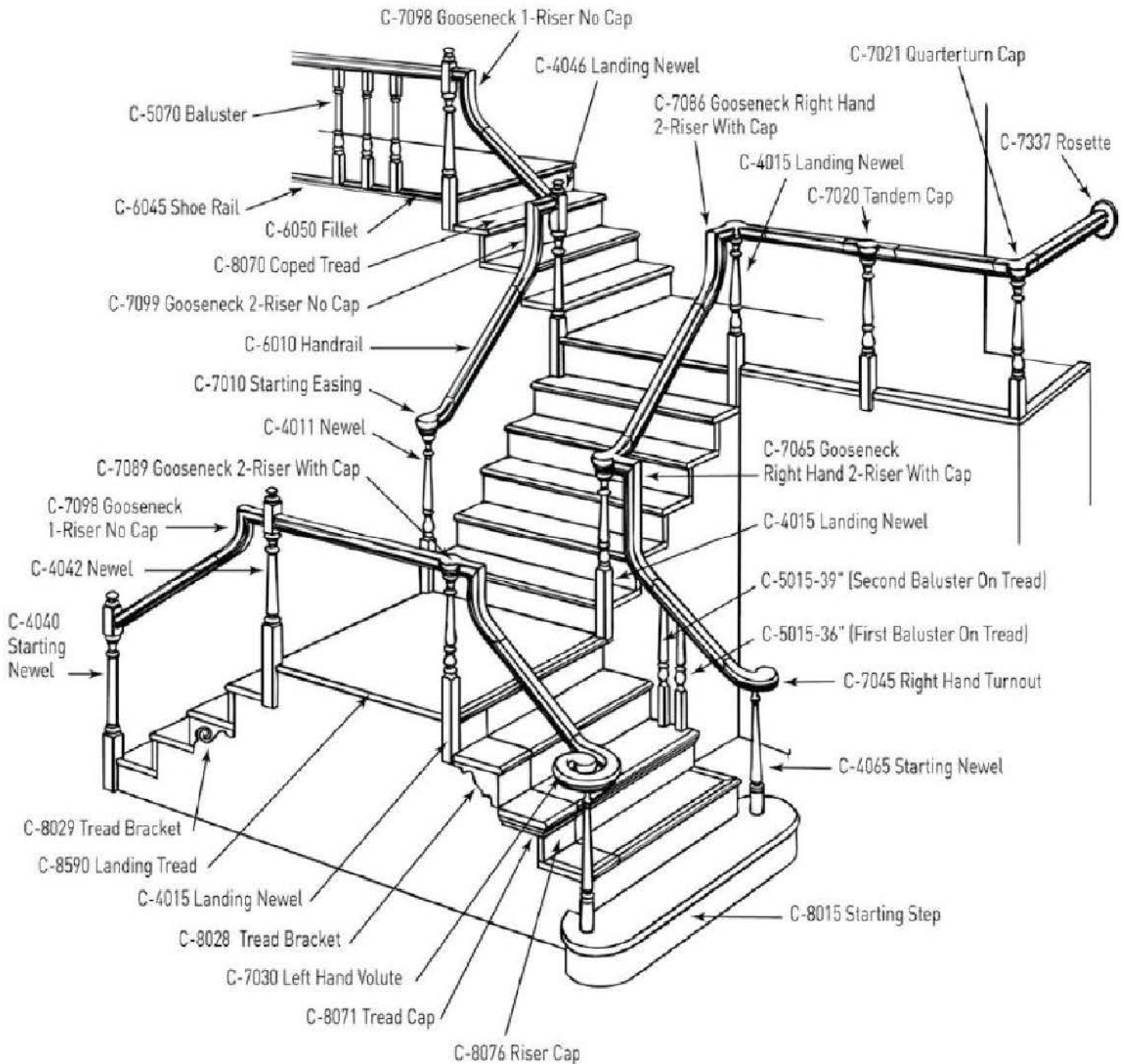
C-4001



C-4076

C-4076 EE

Stair Anatomy



Ordering Specifications for Newels

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.



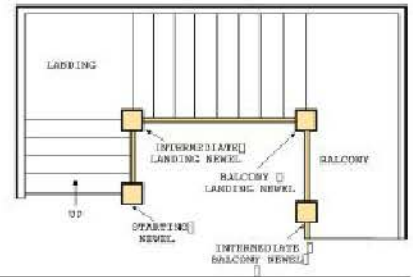
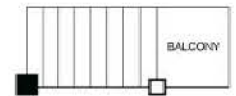
POST-TO-POST NEWELS

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.



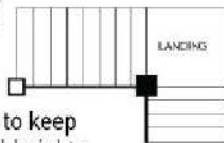
STARTING NEWELS

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



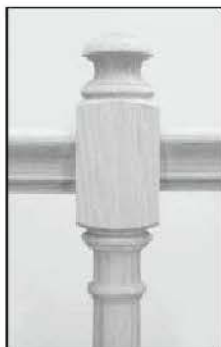
INTERMEDIATE LANDING NEWELS

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.



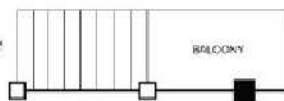
BALCONY LANDING NEWELS

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 is 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.



Ordering Specifications for Newels

Check local building codes for required height and baluster spacing.







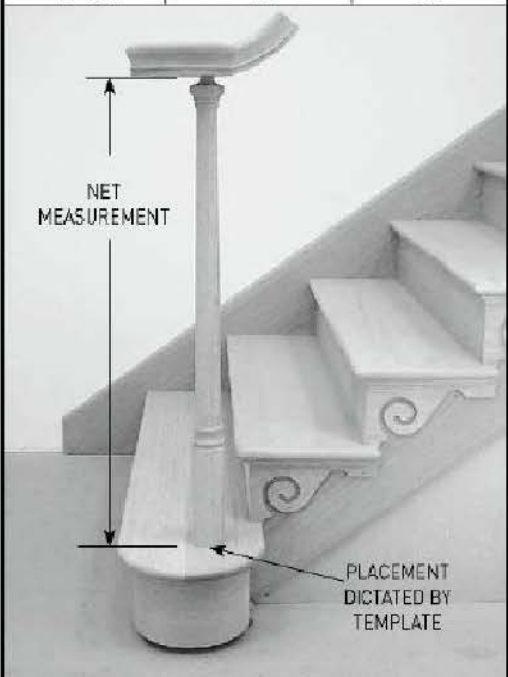



All Over-the-Post newels are manufactured with a 3/4" diameter pin turned into the top of the newel that will be installed into the underside of the fittings used in the rail system.

OVER-THE-POST NEWELS

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)

				
STARTING EASING	TURNOUT	VOLUTE	ASCENDING VOLUTE	VERTICAL VOLUTE
Net Measurement 36-1/2"	Net Measurement 40-1/2"	Net Measurement 39"	Net Measurement 36"	Measurement 33-7/8"
				
NET MEASUREMENT	NET MEASUREMENT			MEASUREMENT: TOP OF TREAD TO TOP OF NEWEL
NEWEL CENTERED ON RISER	PLACEMENT DICTATED BY TEMPLATE			NEWEL CENTERED ON RISER

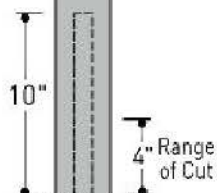
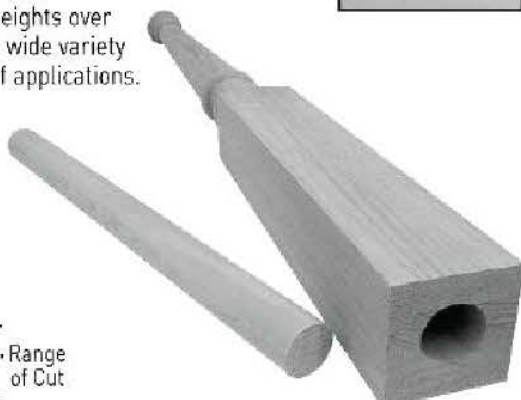


OTP newels are manufactured in both doweled bottom and square bottom designs. Doweled bottom newels have a 1-1/2" diameter dowel designed into the bottom of the newel that is used to install the starting newel into a starting step. The height of these newels cannot be adjusted, making correct specification critical in achieving desired 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 codes.

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.

Ordering Specifications for Newels

Check local building codes for required height and baluster spacing.

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.



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

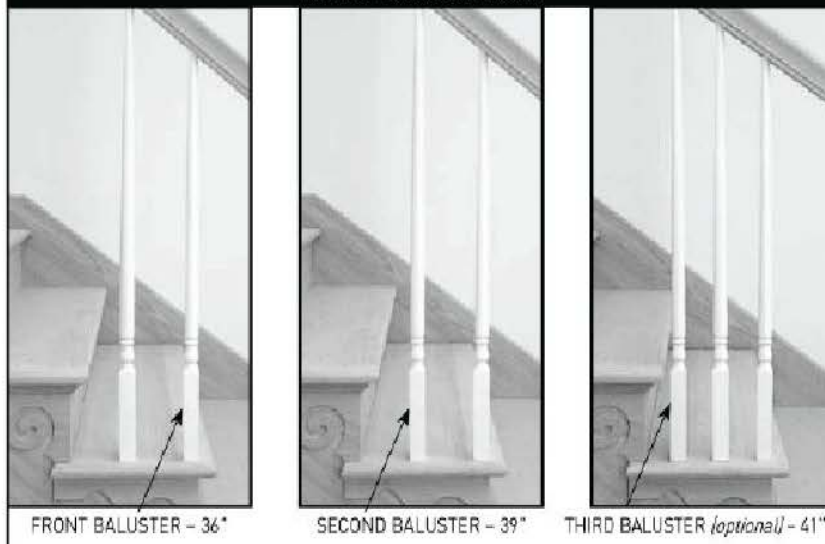
All pin top balusters have a guaranteed 3" minimum top straight portion for trimming and insertion.



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

STARTING EASING	TURNOUT	VOLUTE	ASCENDING VOLUTE	VERTICAL VOLUTE
BALUSTERS UNDER STARTING FITTINGS				
QUANTITY - 1	QUANTITY - 2 C-7740, C-7745	QUANTITY - 6 1-1/4" SQUARE	QUANTITY - 6 1-1/4" SQUARE	QUANTITY - 1
	QUANTITY - 1 C-7741, C-7746	QUANTITY - 5 1-3/4" SQUARE	QUANTITY - 5 1-3/4" SQUARE	
LENGTH 39"	LENGTH 43"	LENGTH 41"	LENGTH 39"	LENGTH 39"

BALUSTERS ON TREADS



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.

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

1-1/4" BALUSTER SQUARE	1-3/4" BALUSTER SQUARE
4-1/2"	4-5/8"
	Exception: For 1-3/4" Pin Top Baluster with 5/8" diameter tops (i.e. C-5611) use: 4-1/2"

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.

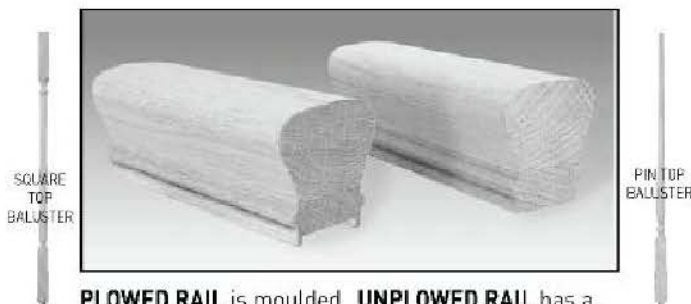
Ordering Specifications for Newels

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:

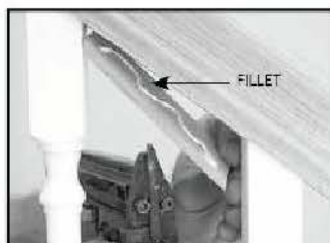
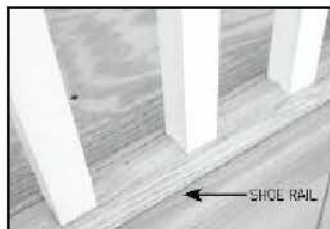
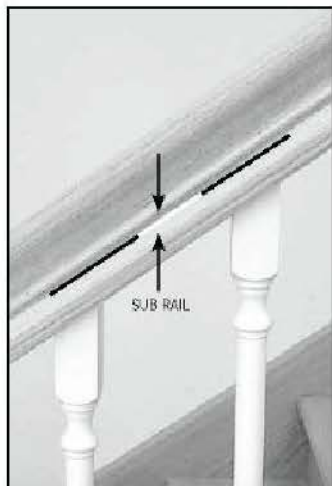
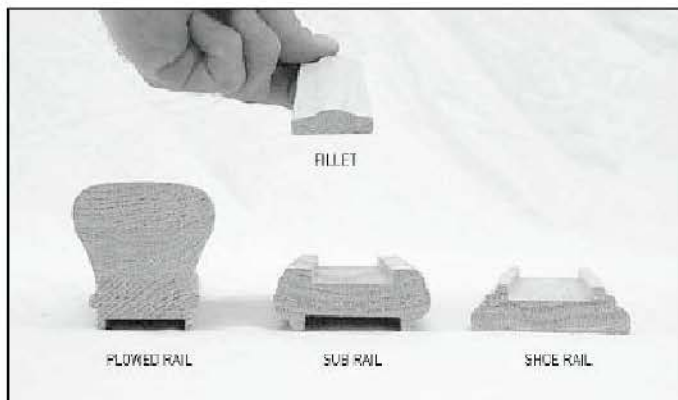
Number of Treads x 13" (rounded up to the nearest even length).



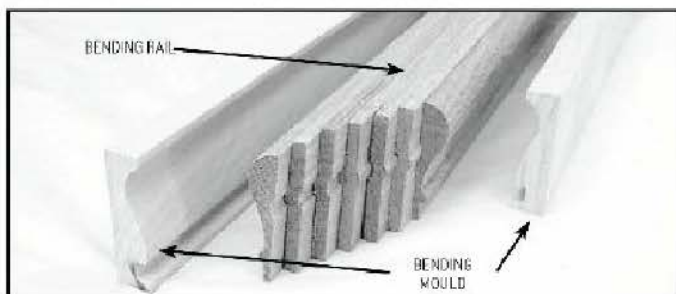
PLOWED RAIL is moulded with a recessed bottom for insertion of square top balusters.

UNPLOWED RAIL has a flat bottom that will be drilled for the insertion of pin top balusters.

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	RAKE RAIL		BALCONY RAIL	
	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"	

Ordering Specifications for Newels

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

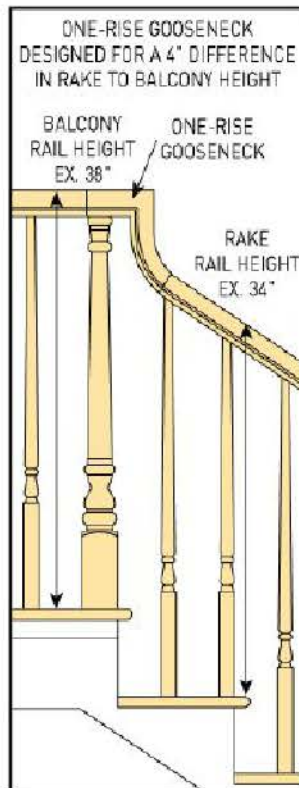
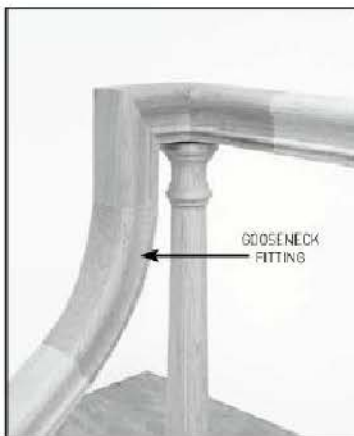
Fitting orientation is determined from the bottom of the stair looking up. All fittings in the photo to the right are right-hand.



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

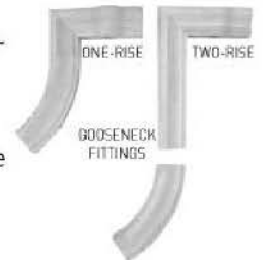
All fittings fall into two categories: (1) those designed and manufactured with a cap and (2) those manufactured without a cap.

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.



ONE-RISE VS. TWO-RISE

Most goosenecks are offered in both one-rise 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.

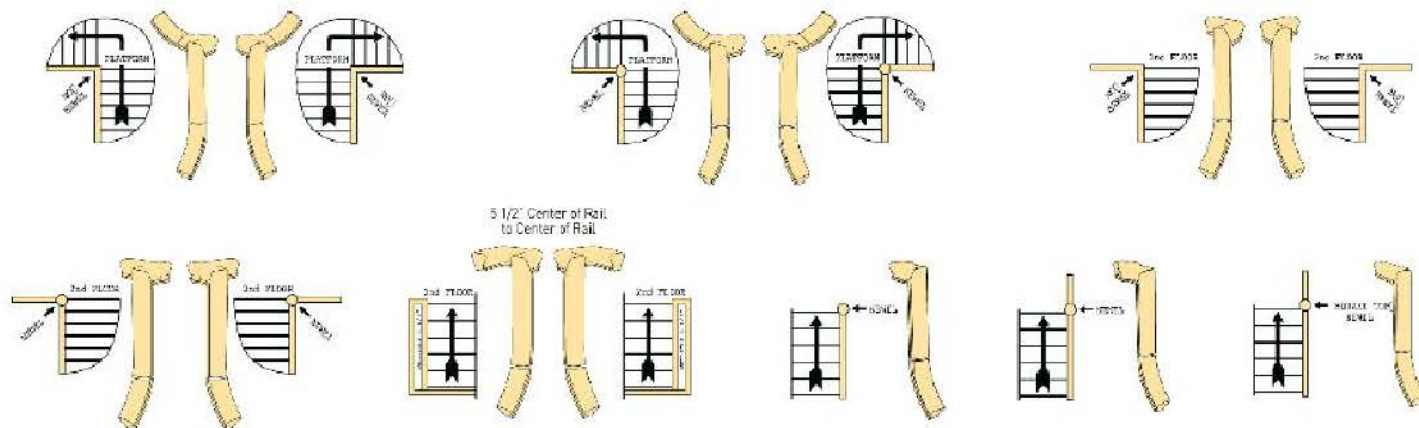


Ordering Specifications for Newels

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.

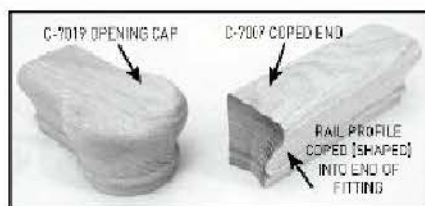


90° UP EASING

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

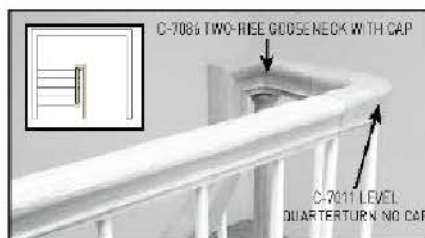
S-SERIES FITTINGS

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).



COPE ENDS

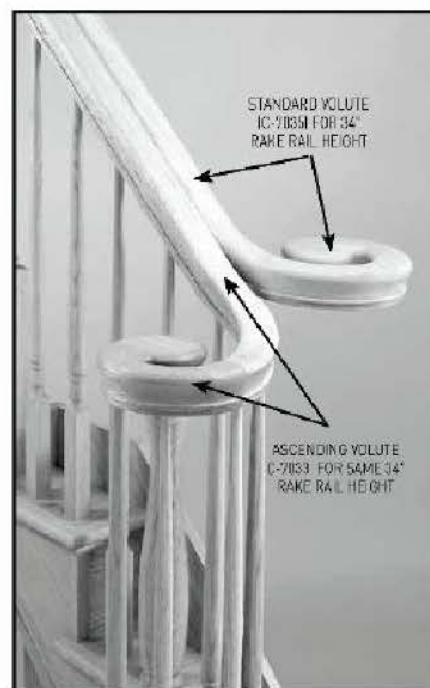
Some WM Coffman families contain a Coped End which is a fitting that has the profile of the rail shaped, or coped, into one end of a straight piece of rail. This fitting is used in conjunction with an opening cap (Example C-7019) or a gooseneck incorporating an opening cap (Example C-7097), to accommodate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

Iron Balusters/Newels			ABZ		BLK		ORB		ORC		PC	SAT	
Iron Collection	Short Desc	Page #	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Lite	Solid
NEWL-BASK48	2450	24											✓
NEWL-TW48	2452	24											✓
REN-PANEL	2490	24	✓		✓		✓		✓		✓	✓	
M-399	2491	24											✓
M-555	2492	24											✓
1TW44	2550	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2TW44	2551	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1BASK44	2552	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2BASK44	2553	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1TW22	2554	12	✓		✓		✓		✓		✓		✓
PLA44	2555	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1KNUC44	2556	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2KNUC44	2557	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2KNUC1BASK44	2558	13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1RIB44	2560	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2RIB44	2561	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M14044	2570	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M15044	2571	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M16044	2572	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M14344	2575	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M301	2580	16	✓		✓	✓	✓		✓		✓	✓	
M601	2581	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M325	2582	16	✓		✓		✓		✓		✓	✓	
M326	2583	16			✓		✓		✓		✓	✓	
M501	2585	16	✓		✓		✓		✓		✓	✓	
M65144	2595	22			✓		✓		✓		✓	✓	
M65244	2596	22			✓		✓		✓		✓	✓	
M65344	2597	22			✓		✓		✓		✓	✓	
M65044	2598	22			✓		✓		✓		✓	✓	
KW-1TW44	2650	15					✓					✓	
KW-2TW44	2651	15					✓					✓	
KW-1BASK44	2652	15					✓					✓	
KW-2BASK44	2653	15					✓					✓	
KW-M501	2685	15					✓					✓	
M13344	2760	19						✓					✓
M13444	2761	19						✓					✓
M13144	2766	19						✓					✓
M13244	2767	19						✓					✓
R60144	2770	21						✓					✓
R60244	2771	21						✓					✓
R61144	2772	21						✓					✓
R61244	2773	21						✓					✓
R60044	2775	21						✓					✓
M303	2797	20						✓					✓
MEGA-1TW	2850	25	✓		✓		✓		✓		✓	✓	
MEGA-2TW	2851	25	✓		✓		✓		✓		✓	✓	
MEGA-1BASK	2852	25	✓		✓		✓		✓		✓	✓	
MEGA-2BASK	2853	25	✓		✓		✓		✓		✓	✓	
MEGA-PLA	2855	26	✓		✓		✓		✓		✓	✓	
MEGA-1KNUC	2856	26	✓		✓		✓		✓		✓	✓	
MEGA-2KNUC	2857	26	✓		✓		✓		✓		✓	✓	
MEGA-M601	2881	26	✓		✓		✓		✓		✓	✓	
M40144	2930	17			✓	✓							
M40244	2931	17			✓	✓							
M41144	2933	17			✓	✓							
NEWL-14048	2940	24											✓
M8044	2962	14	✓		✓		✓		✓		✓	✓	✓
M8544	2963	14	✓		✓		✓		✓		✓	✓	✓
WAVE44	2968	13	✓		✓		✓		✓		✓	✓	
R54344	2970	23			✓	✓							
R54044	2971	23			✓	✓							
R55044	2972	23			✓	✓							
M331	2982	16										✓	✓
PLA40-BLY	2986	17										✓	✓
1TW40-BLY	2987	17										✓	✓
1BASK40-BLY	2988	17										✓	✓
M30544	2990	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M30844	2991	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M9044	2995	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M10044	2996	20			✓	✓	✓	✓	✓	✓	✓	✓	✓
M11044	2997	20		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Iron Steels			ADZ		BLK		OBS		ORC		PC		SAT	
Iron Collection	Sheet Desc	Page #	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid	Lite	Solid
BM-201	2320	27	✓		✓		✓	✓	✓				✓	✓
BM-201	2321	27												
FSH-08	2340	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HI-01	2341	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MI-06	2342	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AK-01	2345	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PS1-02	2350	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HI-05P	2351	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BAK-01	2352	27											✓	
MC-101	2360	27												✓
R-08P	2370	27												✓
R-09P	2371	27												✓
R-10	2375	27	✓		✓		✓		✓				✓	✓
MFG-PSH-08	2390	27	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
MFG-TSH-08	2391	27	✓		✓		✓		✓				✓	✓
MFG-M-08	2392	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SCR-01	2910	27	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M-030	2911	27		✓									✓	
M-022	2912	27			✓								✓	
HI-06	2915	27	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
R-07P	2916	27			✓	✓								
R-06P	2917	27			✓									
BAK-03	2918	27			✓									
RS-201	2919	27		✓		✓		✓		✓			✓	✓
SO-301	2929	27					✓	✓					✓	✓

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

Iron Accessories	
Iron Collection	Page #
C-2401	28
C-2302	28
C-2303	28
C-2901	28
C-2902	28
C-2903	28
C-2905	28
C-2906	28

Over the Post Nails			Red Oak	Beech	Poplar	Hard Maple	White Oak
Wood Collection	Size	Page #					
C-4010	2" x 41"	34	✓				
C-4011	2" x 48"	34	✓		✓	✓	
C-4014	2" x 44-1/2"	34	✓				✓
C-4015	2" x 60"	34	✓	✓	✓	✓	
C-4019	2" x 48"	34	✓				
C-4030	2" x 48"	34	✓				
C-4035	2" x 60"	34	✓				
C-4065	2-3/8" x 44"	34	✓				
C-4111	2-1/2" x 48"	38	✓				
C-4115	2-1/2" x 60"	38	✓			✓	
C-4210	2-1/2" x 41"	36	✓			✓	
C-4215	2-1/2" x 60"	36	✓			✓	
C-4210	2-1/2" x 41"	40	✓				
C-4212	2-1/2" x 41"	40	✓				
C-4215	2-1/2" x 60"	40	✓				
C-4217	2-1/2" x 60"	40	✓				
C-4210	2-1/2" x 42"	42	✓				
C-4215	2-1/2" x 48"	42	✓				
C-4219	2-1/2" x 48"	42	✓				
C-4662	2-3/8" x 44"	36	✓				
C-4810	2-1/2" x 48"	38	✓				
C-4815	2-1/2" x 72"	38	✓				
C-4862	2-1/2" x 45-1/2"	38	✓				

Post to Post Nails			Red Oak	Beech	Poplar	Hard Maple	White Oak
Wood Collection	Size	Page #					
C-4001	3-1/2" x 47-1/2"	37	✓			✓	
C-4002	3-1/2" x 55"	37	✓			✓	
C-4003	3-1/2" x 55-1/2"	37	✓			✓	
C-4004	4-1/2" x 47-1/2"	37	✓		✓	✓	
C-4005	4-1/2" x 55"	37	✓	✓	✓	✓	
C-4006	5-1/2" x 57"	37	✓				
C-4007	3-1/2" x 47-1/2"	37	✓				
C-4008	3-1/2" x 55"	37	✓		✓		
C-4009	3-1/2" x 55"	37	✓				
C-4040	3" x 47-1/2"	32	✓	✓	✓	✓	✓
C-4040B1	3" x 48"	32	✓	✓			
C-4042	2" x 53-1/2"	32	✓	✓	✓	✓	✓
C-4042B1	2" x 54"	32	✓	✓			
C-4043	4" x 38-1/2"	33	✓	✓	✓	✓	✓
C-4043B1	3" x 40"	33	✓	✓			
C-4046	3" x 60"	33	✓		✓		
C-4046B1	3" x 60"	33	✓				
C-4046B2	3" x 60"	33	✓				
C-4046B3	2" x 58-1/2"	32	✓				
C-4045	3" x 48"	32	✓				✓
C-4047	2" x 47"	32	✓				
C-4074	3" x 56"	43	✓			✓	
C-4074B1	3" x 56"	43	✓				
C-4075	3-1/2" x 56"	43	✓			✓	
C-4075B1	3-1/2" x 56"	43	✓				
C-4172	3-1/4" x 54"	39	✓				
C-4175	3-1/4" x 54"	39	✓				
C-4176	3-1/4" x 54"	39	✓			✓	
C-4179	3" x 60"	39	✓				
C-4210	2-1/2" x 47-1/2"	37	✓				
C-4242	3-1/2" x 56"	37	✓				
C-4245	4-1/2" x 59-1/2"	37	✓				
C-4280	4-1/2" x 60"	41	✓				
C-4280L	3-1/2" x 56"	41	✓				
C-4282	3-1/2" x 48"	41	✓				
C-4282L	3-1/2" x 56"	41	✓				
C-4285	3-1/2" x 60"	41	✓				
C-4287	3-1/2" x 60"	41	✓				
C-4440	3-1/4" x 48"	43	✓			✓	
C-4442	2-1/2" x 54"	43	✓			✓	
C-4445	2-1/4" x 54"	44	✓			✓	
C-4446	4-1/4" x 54"	44	✓			✓	
C-4540	4" x 48"	43	✓				
C-4547	3" x 54"	33	✓				
C-4545	3" x 54"	33	✓				
C-4546	3" x 54"	33	✓				
C-4547	3" x 60"	32	✓				
C-4548B1	3" x 48"	32	✓				
C-4548B2	3" x 54"	32	✓				
C-4548B3	3" x 54"	32	✓				
C-4810	2-1/2" x 56"	39	✓				
C-4845	2-1/2" x 72"	39	✓				

Box Newels			Red Oak	Beech	Poplar	Pine	Hard Maple	Alder	White Oak
Wood Collection	Size	Page #							
C-4075	3-1/2" x 6-1/2"	30	✓	✓	✓	✓	✓		✓
C-4077	3-1/2" x 6-3/2"	30	✓						
C-4050	6-1/4" x 6-3/4"	31	✓						
C-4051	6-3/4" x 6-5/4"	30	✓	✓	✓	✓	✓	✓	✓
C-4051-F	6-3/4" x 6-5/4"	30	✓		✓	✓	✓		
C-4051-FF	6-3/4" x 6-5/4"	30	✓		✓	✓	✓		✓
C-4051-FP	6-3/4" x 6-5/4"	30	✓		✓	✓	✓		✓
C-4051-FP	6-3/4" x 6-5/4"	30	✓		✓	✓	✓		✓
C-4055	7-1/2" x 5-6"	31	✓						
C-4055-F	7-1/2" x 5-6"	31	✓						
C-4055-FF	7-1/2" x 5-6"	31	✓		✓				
C-4251	5" x 5-1/2"	30	✓	✓	✓	✓	✓	✓	
C-4050	4-1/2" x 6-1/4"	31	✓		✓	✓	✓		
C-4051-FF	4-1/2" x 6-1/4"	30	✓		✓	✓	✓		
C-4051-FP	4-1/2" x 6-1/4"	30	✓		✓	✓	✓		
C-4055	4-1/2" x 6-1/4"	30	✓		✓	✓	✓		
C-4055-F	4-1/2" x 6-1/4"	30	✓						
C-4055-FF	4-1/2" x 6-1/4"	30	✓						
C-4850	7-1/2" x 5-6"	31	✓		✓	✓	✓		
C-4851-FF	7-1/2" x 5-6"	31	✓		✓	✓	✓		
C-4851-FP	7-1/2" x 5-6"	31	✓		✓	✓	✓		

Interchangeable Box Newel			Red Oak	Poplar	Pine	Hard Maple	Mahogany	White Oak
Wood Collection	Size	Page #						
C-4378	4-1/2"	32	✓	✓	✓			
C-4378-A	4-1/2"	32	✓	✓	✓			
C-4378-TC	4-1/2"	32	✓	✓	✓	✓	✓	✓
C-4078	4-1/2"	32	✓	✓	✓			
C-4078-S	4-1/2"	32	✓	✓	✓			
C-4078-TC	4-1/2"	32	✓	✓	✓	✓	✓	✓
C-4378	5-1/2"	32	✓	✓	✓			
C-4378-S	5-1/2"	32	✓	✓	✓			
C-4378-TC	5-1/2"	32	✓	✓	✓	✓	✓	✓

Pin Top Balusters			Red Oak	Poplar	Pine	Hard Maple
Wood Collection	Size	Page #				
C-5015	1-1/4"	34	✓	✓	✓	✓
C-5040	1-1/8"	34			✓	
C-5151	1-3/4"	34	✓		✓	
C-5151A	1-3/4"	34			✓	
C-5211	1-3/4"	40			✓	
C-5251	1-3/4"	40	✓		✓	
C-5610	1-1/4"	34			✓	
C-5611	1-3/4"	35	✓		✓	
C-5840	1-5/16"	35			✓	

Square Top Balusters			Red Oak	Poplar	Pine	Hard Maple
Wood Collection	Size	Page #				
C-5005	1-3/4"	37	✓	✓	✓	
C-5060	1-1/4"	42	✓	✓	✓	✓
C-5060EE	1-1/4"	42			✓	
C-5067	1-1/4"	35	✓		✓	
C-5070	1-1/4"	35	✓		✓	
C-5241	1-3/4"	39	✓		✓	
C-5201	1-3/4"	41			✓	
C-5241	1-3/4"	41	✓		✓	
C-5260	1-1/2"	42			✓	
C-5360	1-3/4"	42	✓	✓	✓	✓
C-5601	1-3/4"	37	✓		✓	

Handrail			Red Oak	Beech	Poplar	Hard Maple	White Oak
Wood Collection	Size	Page #					
C-6010	2-1/4" x 2-3/8"	44	✓		✓	✓	
C-6010-BNG	2-1/4" x 2-3/8"	44	✓				
C-6010S	2-1/4" x 2-3/8"	44		✓		✓	✓
C-6010P	2-1/4" x 2-3/8" (1-1/4" Plow)	44	✓		✓		
C-6010P-S	2-1/4" x 2-3/8" (1-1/4" Plow)	44	✓			✓	
C-6110S	2-3/4" x 2-3/4"	44	✓			✓	
C-6110P1-S	2-3/4" x 2-3/4" (1-3/4" Plow)	44	✓				
C-6210	2-5/8" x 2-3/8"	44	✓		✓		
C-6210S	2-5/8" x 2-3/8"	44	✓			✓	
C-6210P1	2-5/8" x 2-3/8" (1-3/4" Plow)	44	✓				
C-6210P1-S	2-5/8" x 2-3/8" (1-3/4" Plow)	44	✓			✓	
C-6310S		44	✓				
C-6410S	2-5/8" x 2-3/8"	44	✓				
C-6410P1-S	2-5/8" x 2-3/8" (1-3/4" Plow)	44	✓				
C-6700P		44	✓				
C-6700P1		44	✓				

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

Banding Rail			Red Oak	Hard Maple	White Oak
Wood Collection	Size	Page #			
C-6016	7-Piece	44	✓	✓	✓
C-6216	8-Piece	44	✓	✓	
C-6116	9-Piece	44	✓		
C-6416	9-Piece	44	✓		

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

Fittings			Red Oak	Beech	Poplar	Hard Maple	White Oak
Wood Collection		Page #					
C-7007	Coped End	46	✓				
C-7009	Returned End	46	✓	✓	✓	✓	
C-7010	Starting Easing w/ Cap	46	✓	✓	✓	✓	
C-7011	Level Quarterturn 90°	46	✓	✓	✓	✓	✓
C-7012S	Up Easing	46	✓	✓	✓	✓	✓
C-7013	Over Easing	46	✓	✓	✓	✓	
C-7014S	Up Easing 90°	46	✓	✓	✓	✓	
C-7016	Over Easing w/ Returned End	46	✓				
C-7019	Opening Cap	46	✓	✓	✓	✓	
C-7020	Tandem Cap	46	✓	✓	✓	✓	✓
C-7021	Quarterturn Newel Cap	46	✓	✓	✓	✓	✓
C-7022	Level Newel Cap 45°	46	✓	✓	✓	✓	
C-7026	Level Turn 45°	46	✓	✓			
C-7030	LH Volute	46	✓	✓	✓	✓	✓
C-7035	RH Volute	46	✓	✓	✓	✓	✓
C-7031	Vertical Volute	46	✓				
C-7040	LH Turnout 4-7/8" c/c	46	✓	✓	✓	✓	
C-7045	RH Turnout 4-7/8" c/c	46	✓	✓	✓	✓	
C-7047LH	LH "5" Turn	46	✓	✓	✓	✓	✓
C-7047RH	RH "5" Turn	46	✓	✓	✓	✓	✓
C-7071	LH 2-Riser No Cap	47	✓				
C-7076	RH 2-Riser No Cap	47	✓				
C-7089	2-Riser w/ Tandem Cap	47	✓				
C-7099	2-Riser No Cap	47	✓	✓	✓	✓	✓

Fittings			Red Oak	Hard Maple
Wood Collection		Page #		
C-7109	Returned End	46	✓	✓
C-7110	Starting Easing w/ Cap	46	✓	✓
C-7111	Level Quarterturn 90°	46	✓	✓
C-7112S	Up Easing	46	✓	✓
C-7113	Over Easing	46	✓	✓
C-7114S	Up Easing 90°	46	✓	✓
C-7119	Opening Cap	46	✓	✓
C-7120	Tandem Cap	46	✓	✓
C-7121	Quarterturn Newel Cap	46	✓	✓
C-7122	Level Newel Cap 45°	46	✓	
C-7126	Level Turn 45°	46	✓	
C-7130	LH Volute	46	✓	✓
C-7135	RH Volute	46	✓	✓
C-7140	LH Turnout 4-7/8" c/c	46	✓	✓
C-7145	RH Turnout 4-7/8" c/c	46	✓	✓
C-7147LH	LH "5" Turn	46	✓	
C-7147RH	RH "5" Turn	46	✓	
C-7199	2-Riser No Cap	47	✓	✓

Fittings			Red Oak	Poplar	Hard Maple
Wood Collection		Page #			
C-7207	Coped End	46	✓		
C-7209	Returned End	46	✓		✓
C-7210	Starting Easing w/ Cap	46	✓	✓	✓
C-7211	Level Quarterturn 90°	46	✓	✓	✓
C-7212S	Up Easing	46	✓	✓	✓
C-7213	Over Easing	46	✓	✓	✓
C-7214S	Up Easing 90°	46	✓	✓	✓
C-7216	Over Easing w/ Returned End	46	✓		
C-7219	Opening Cap	46	✓	✓	✓
C-7220	Tandem Cap	46	✓	✓	✓
C-7221	Quarterturn Newel Cap	46	✓	✓	✓
C-7222	Level Newel Cap 45°	46	✓		
C-7226	Level Turn 45°	46	✓		
C-7230	LH Volute	46	✓		✓
C-7235	RH Volute	46	✓		✓
C-7240	LH Turnout 4-7/8" c/c	46	✓		
C-7245	RH Turnout 4-7/8" c/c	46	✓		
C-7247LH	LH "5" Turn	46	✓		✓
C-7247RH	RH "5" Turn	46	✓		✓
C-7299	2-Riser No Cap	47	✓	✓	✓



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