



WM Coffman®

We've got you covered
every step of the way



Buyer's Guide

www.wm-coffman.com

Premium Stair
Parts Collection

Policies, Terms and Conditions of Sale

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, fax or call our customer service department during the 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 two Distribution Centers (Austell, GA and Plano, TX). 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 to a 25% 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 changes 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 677351
Dallas, TX 75267-7351

CLAIMS

Claims for shortages or manufacturing defects must be made to WM Coffman within 10 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.



Finishes / Species

Iron Finishes



ABZ
Antique Bronze



AN
Antique Nickel



BLK
Flat Black



PC
Gray / Black



ORB
Oil Rubbed
Bronze



ORC
Oil Rubbed
Copper



SAT
Satin Black

S **SOLID:** A traditional FORGED construction

L **LITE IRON:** HOLLOW CORE design reduces weight while maintaining strength.

P Matte Phosphate availability

Wood Species



Alder



Beech



Cherry



Maple



Oak

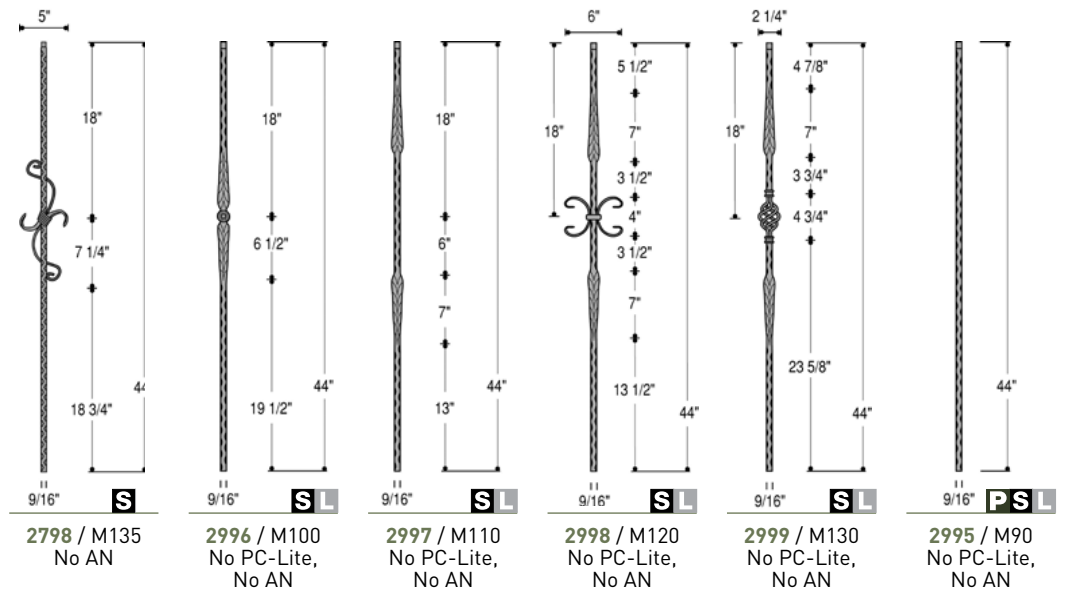
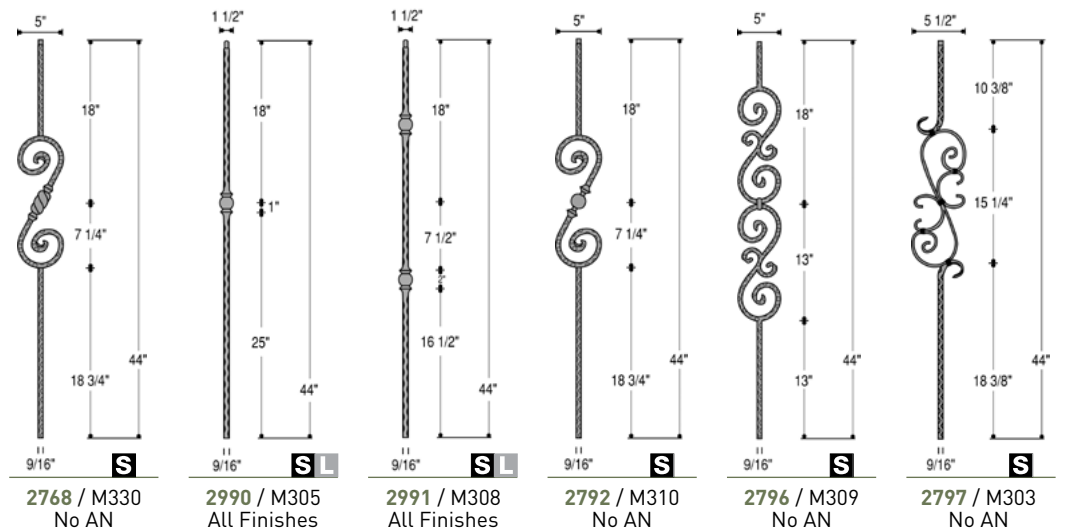
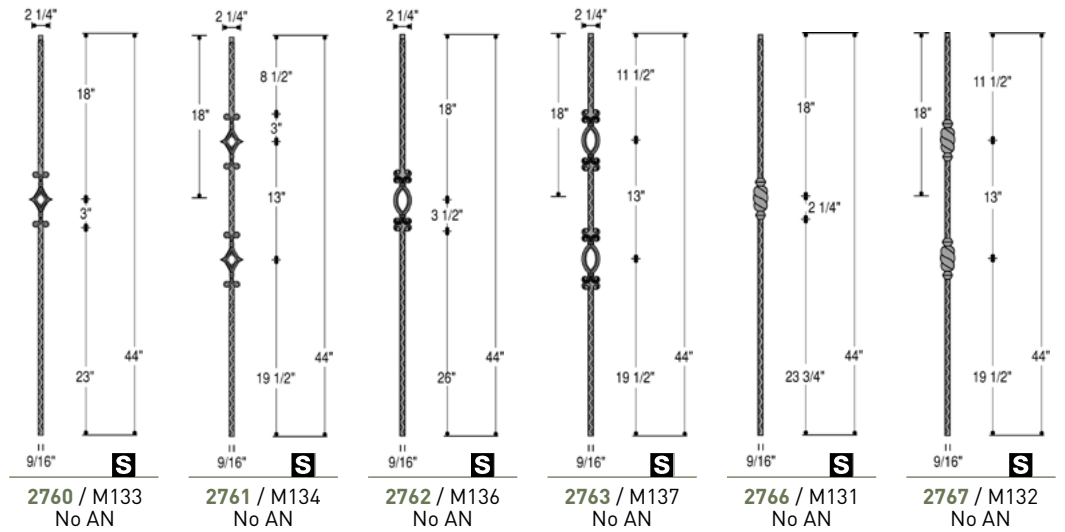


Poplar

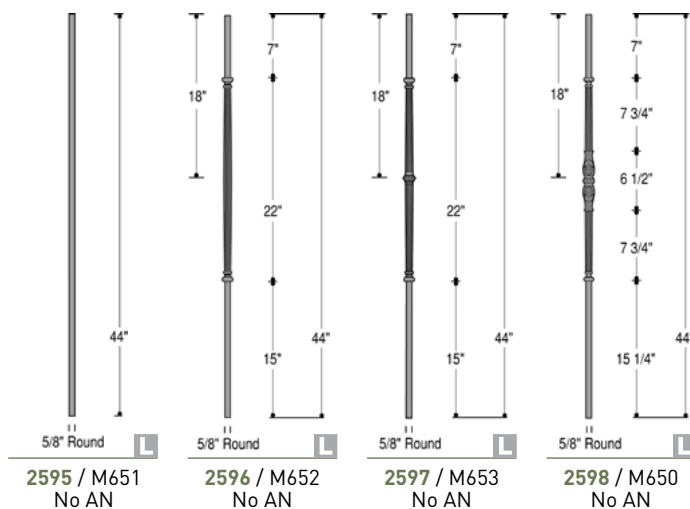
Selected Primed Newels and Balusters available.



Mediterranean



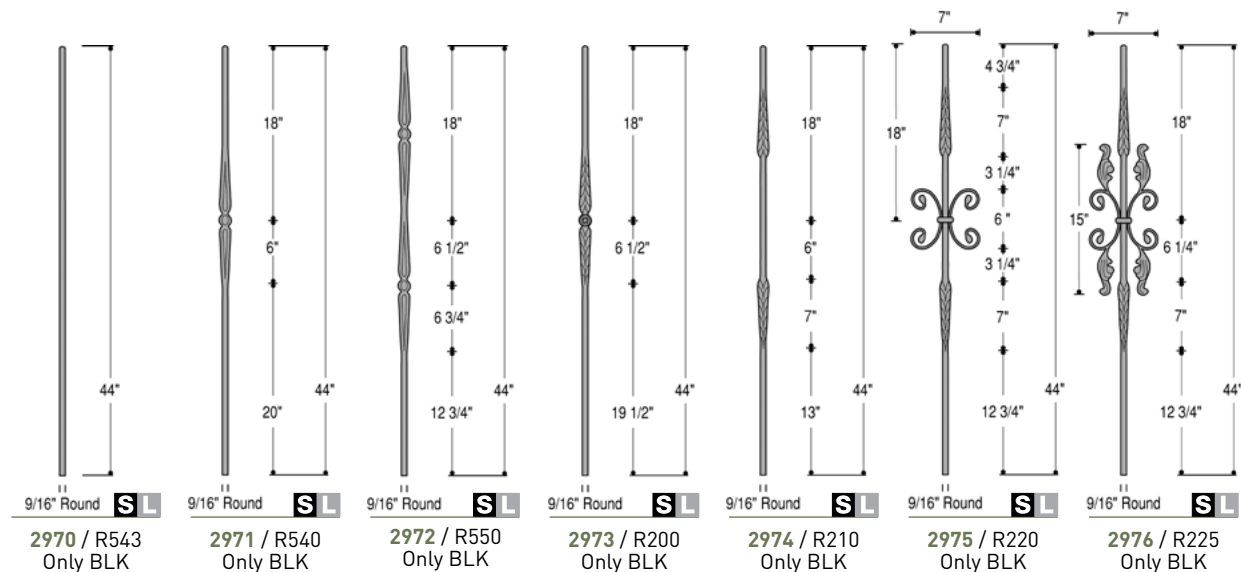
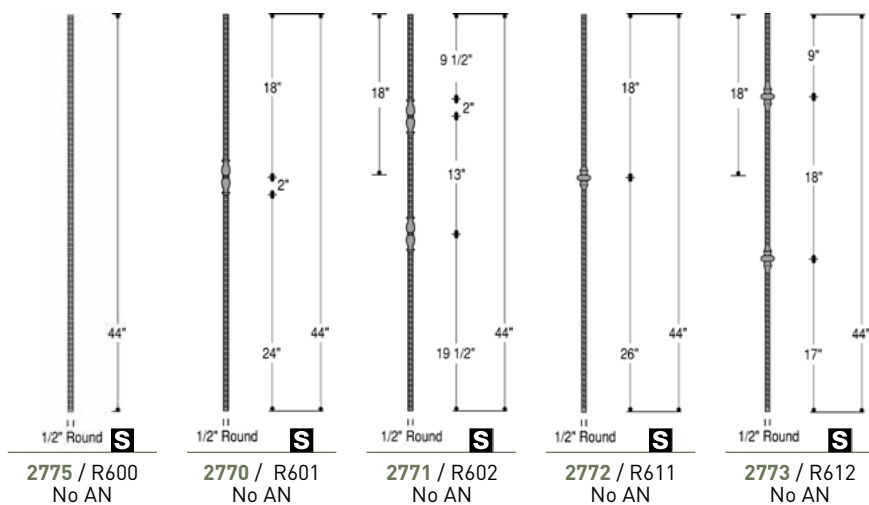
Venetian 5/8" Round



Shown: Detail 2598 Baluster

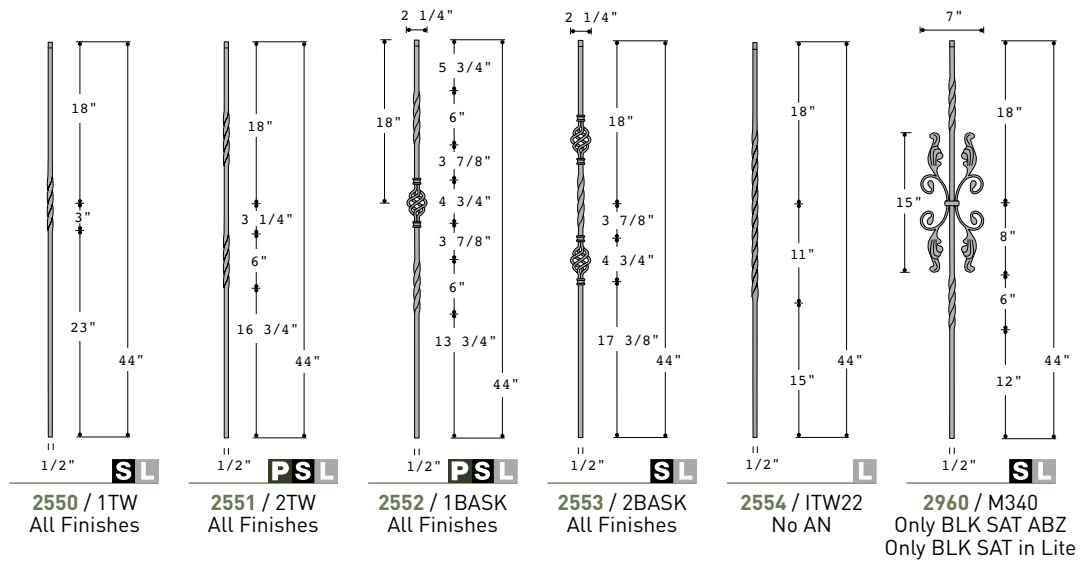
IRON

Round 1/2"

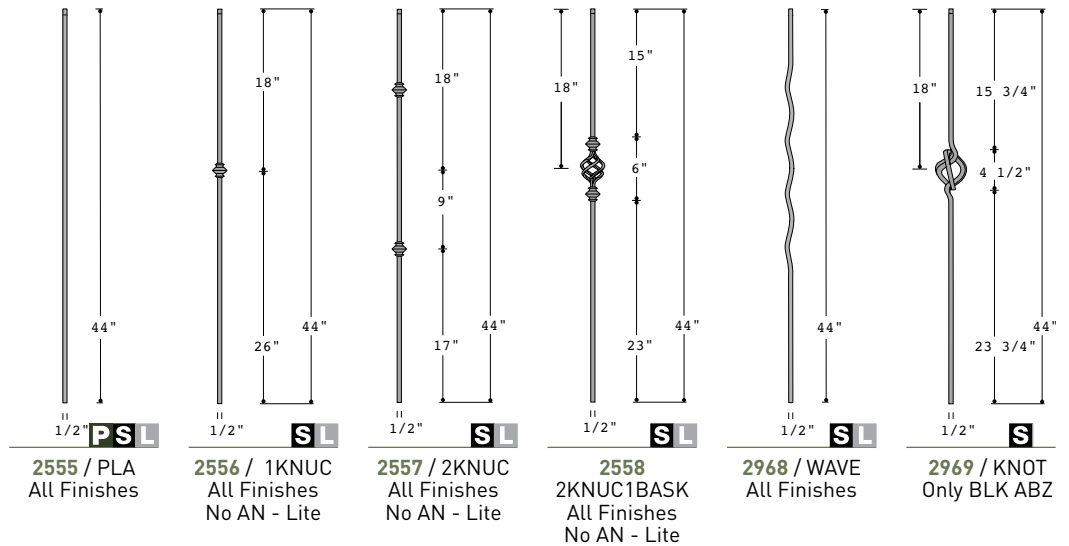


Round 9/16"

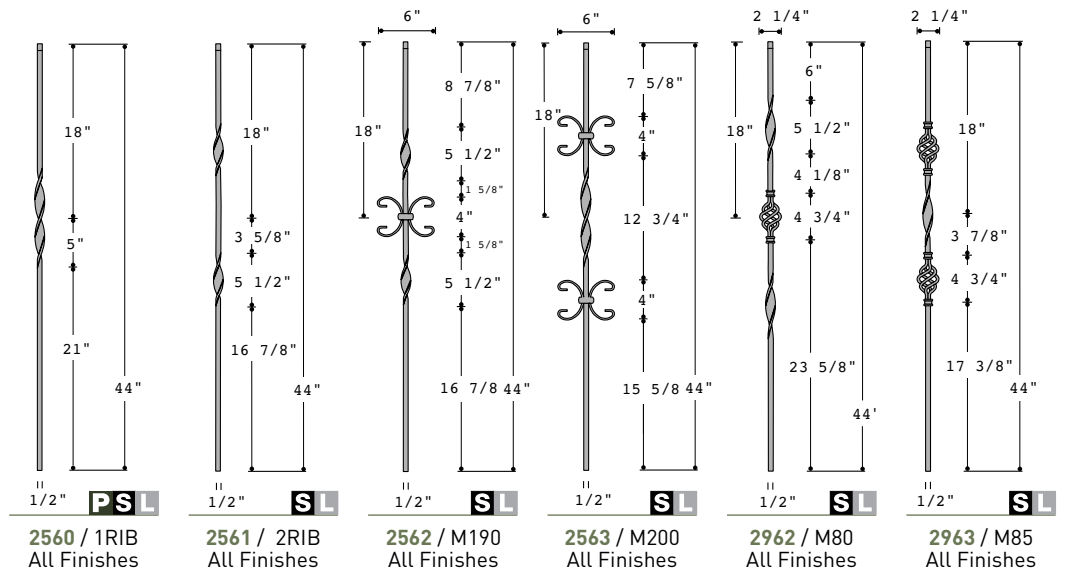
Twist & Basket



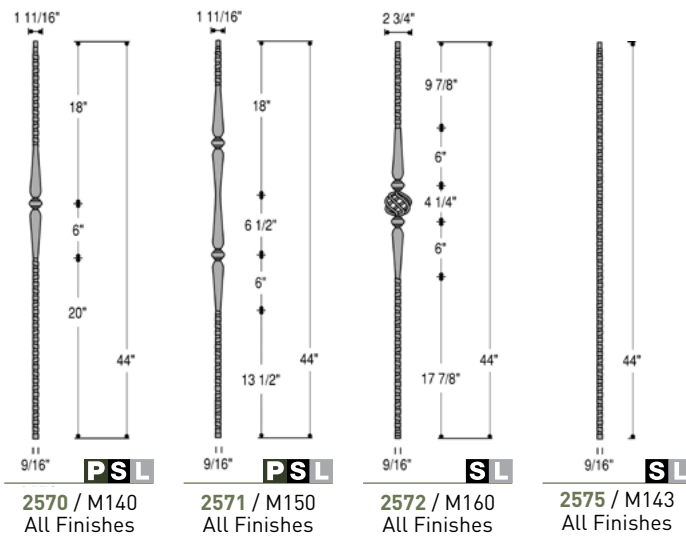
Versatile



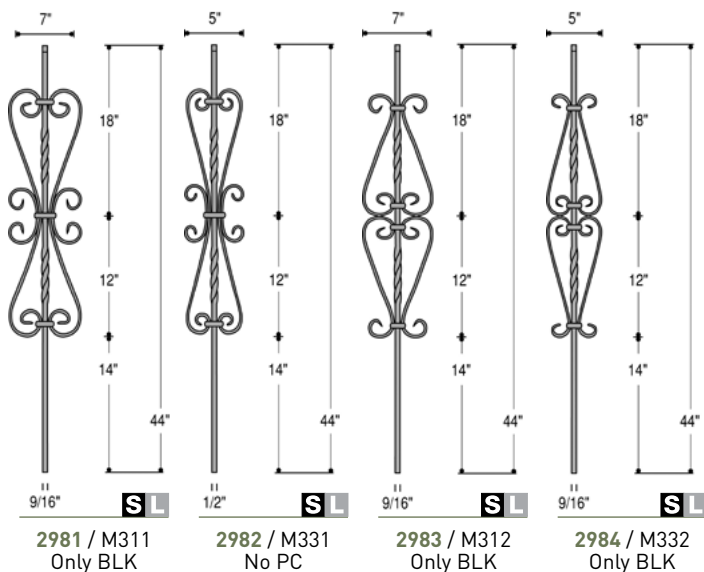
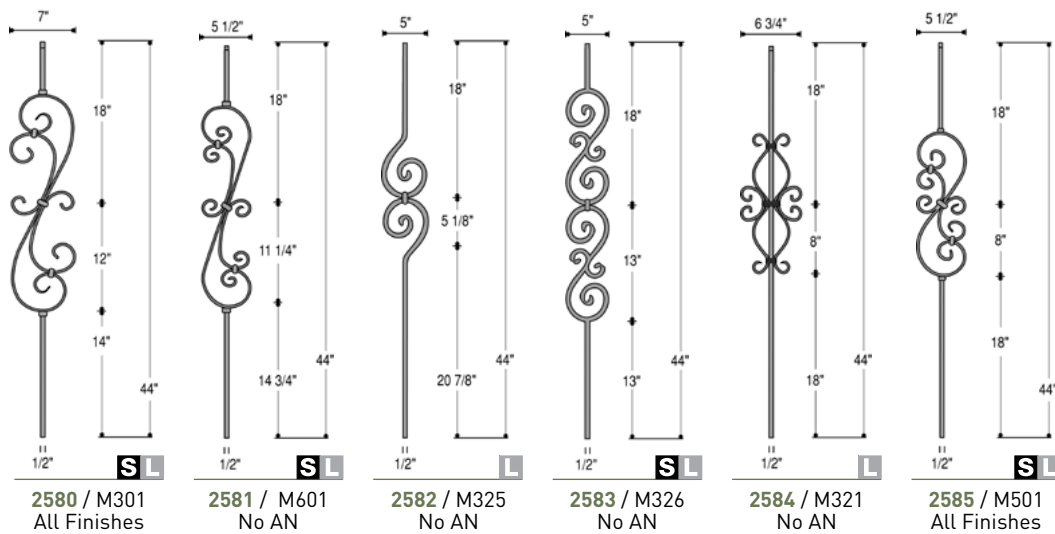
Ribbon



Gothic



Scroll



Medallion

4" Medallions for use in Medallion Balusters



2920 / ME03
Only BLK



2921 / US05
Only BLK



2922 / ME08
Only BLK

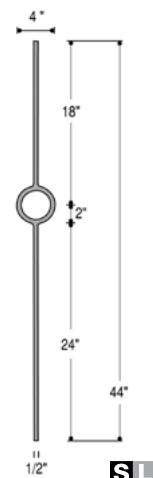


2923 / ME07
Only BLK

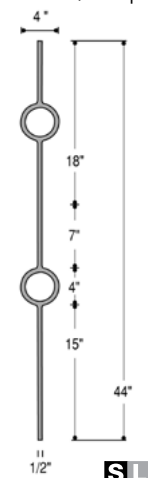


2924 / ME07PB
Only BRASS Finish

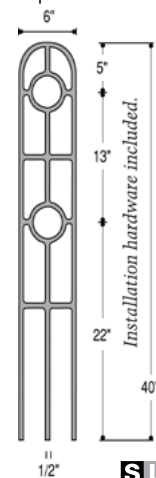
Medallion Balusters have 1/2" square tops.



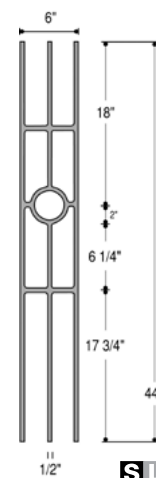
2930 / M401
Only BLK



2931 / M402
Only BLK

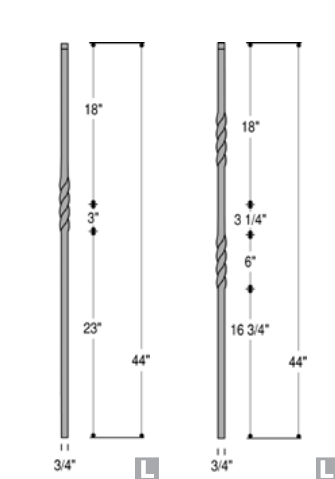


2932 / M408
Only BLK



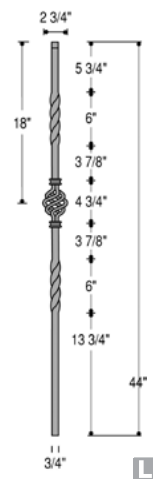
2933 / M411
Only BLK

Mega

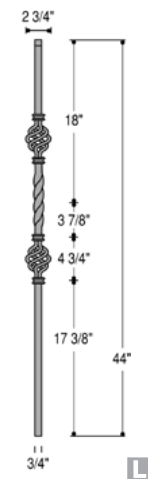


2850
MEGA-1TW
No AN

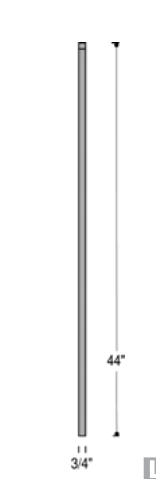
2851
MEGA-2TW
No AN



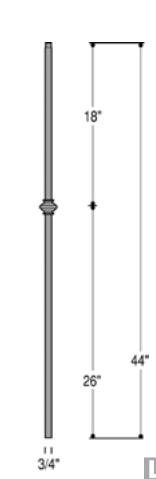
2852
MEGA-1BASK
No AN



2853
MEGA-2BASK
No AN

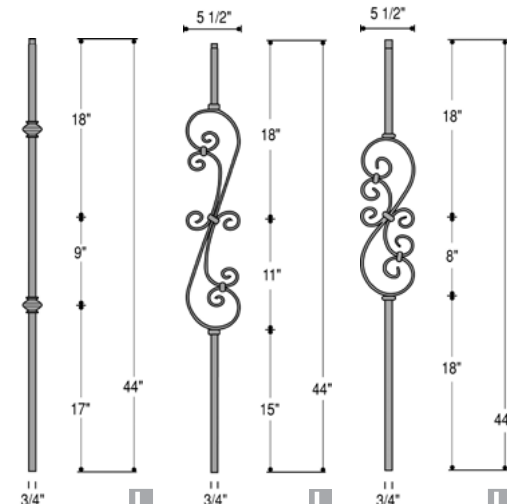


2855
MEGA-PLA
No AN



2856
MEGA-1KNUC
No AN

Shown: 2852 Baluster, 2853 Baluster, 2392 Flat Shoe.



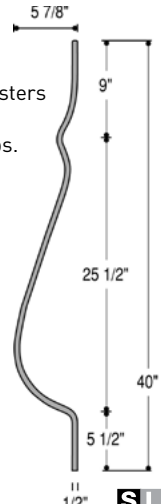
2857
MEGA-2KNUC
No AN

2881
MEGA-601
No AN

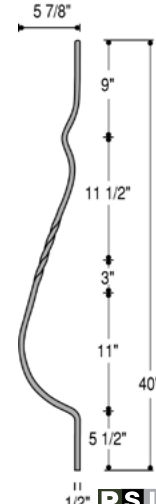
2885
MEGA-501
No AN

Belly

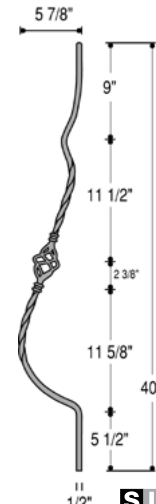
Belly Balusters have 1/2" square tops.



2986
PLA40-BLY
No AN

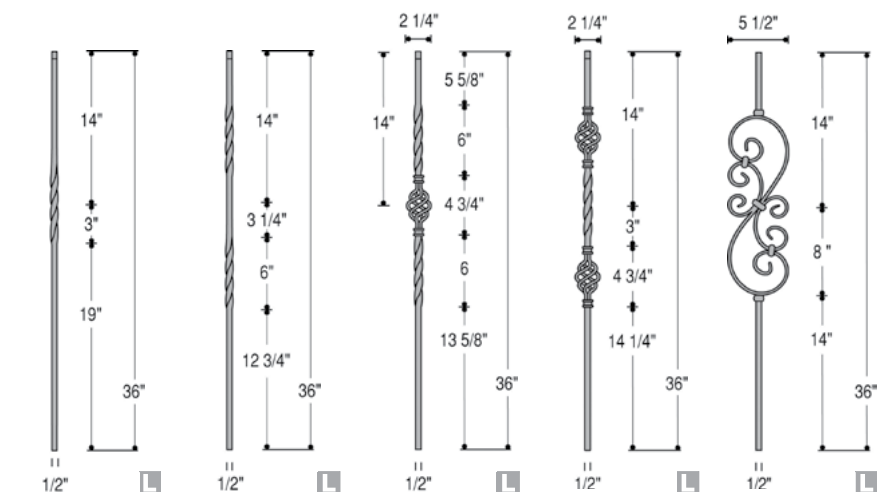


2987
ITW40-BLY
No AN



2988
1BASK40-BLY
No AN

Knee Wall



Shown: 2685 Knee Wall Scroll, 2555 Baluster, 2350 Rake Collar.

2650
KW14-1TW
Only SAT, PC, ORB

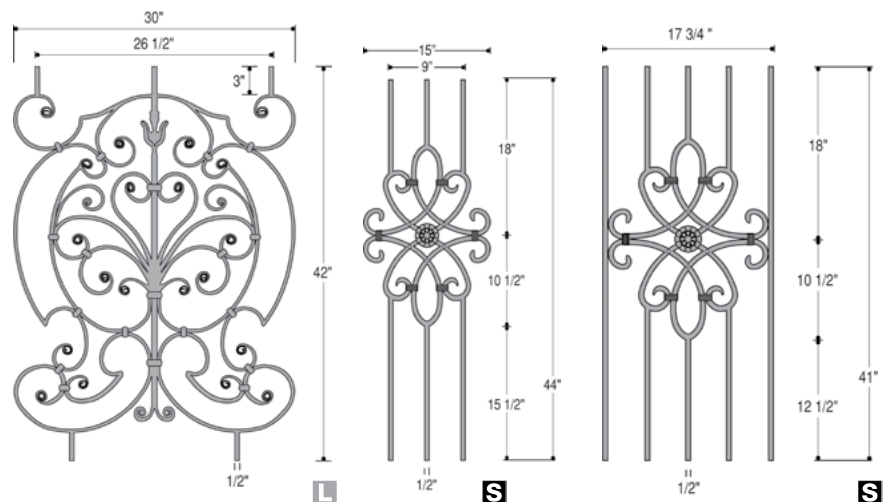
2651
KW14-2TW
Only SAT, PC, ORB

2652
KW14-1BASK
Only SAT, PC, ORB

2653
KW14-2BASK
Only SAT, PC, ORB

2685
KW14-M501
Only SAT, PC, ORB

Decorative Panels



Decorative Panels have 1/2" Square Tops

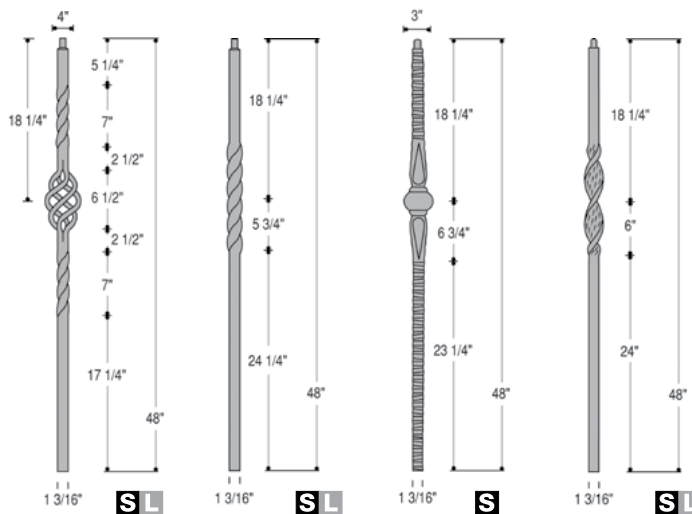
2490 / M590
No AN

2491 / M390
No AN

2492 / M555
No AN



4091-KIT
Iron Panel and Cap Kit
No AN
Use with C-4091-IP
Box Newel
(See Page 11)



2450 / Newel
NEWL-BASK
All Finishes

2452 / Newel
NEWL-TW
All Finishes

2940 / Newel
NEWL-140
No AN

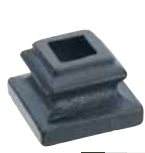
2942 / Newel
NEWL-RIB
All Finishes

Newels



Shown: Detail 2450 Newel

Shoe Options 1/2"



PSL

2340 / FSH01
Flat Shoe
All Finishes



PSL

2342 / M06
Tall Shoe
with Set Screw
All Finishes



PSL

2350 / PSH02
Pitch Shoe
with Set Screw
All Finishes



SL

2345 / AK01
Adj. Knuckle
All Finishes



L

2346 / AK02
Fluted Barrel
All Finishes



L

2347 / AK03
Urn
All Finishes



L

2348 / AK05
Tall Barrel
All Finishes



L

2349 / AK04
Fluted Deco
All Finishes

Adjustable Knuckles with Set Screw



SL

2910 / SCR04
Winged Shoe
All Finishes



SL

2911 / M020
Round Scalloped
Shoe
No ORC, ORB, AN



SL

2912 / M022
Square
Scalloped Shoe
Only BLK, PC



SL

2330 / RM301
Square Shoe
No AN



SL

2331 / RM201
Round Shoe
No AN



SL

2332 / RM020
Round Scalloped Shoe
No AN



S

2370 / R08F
Base Shoe
No AN



S

2371 / R09P
Pitch Shoe
with Set Screw
No AN

Universal Remodeling Shoes 1/2" and 9/16"

Shoe Options 1/2" Dia.

Shoe Options 9/16"

Shoe Options 9/16" Dia.



PSL

2341 / H03
Flat Shoe
All Finishes



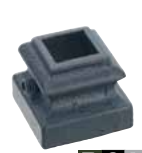
PSL

2351 / H05P
Pitch Shoe
with Set Screw
All Finishes



PSL

2914 / H04
Winged Shoe
All Finishes



PSL

2915 / H06
Tall Shoe
with Set Screw
All Finishes



PSL

2916 / R07F
Base Shoe
Only BLK



SL

2917 / R06P
Pitch Shoe
with Set Screw
Only BLK



L

2918 / RAK03
Adj. Knuckle
with Set Screw
Only BLK

MEGA Shoe Options 3/4"

Shoe 5/8" Dia.

Universal Shoes 1/2" and 9/16"



SL

2390
MEGA-PSH08
Pitch Shoe
with Set Screw
No AN



SL

2391
MEGA-FSH08
Flat Shoe
No AN



SL

2392
MEGA-M08
Flat Shoe
with Set Screw
No AN



SL

2319
MEGA-RD208
Round Flat
Shoe
No AN



SL

2329
MEGA-SQ308
Square Flat
Shoe
No AN



L

2375 / R10
Round Shoe
5/8" Round
Baluster
No AN



SL

2919 / RD201
Round Flat
Shoe
All Finishes



SL

2929 / SQ301
Square Flat
Shoe
All Finishes



2333 / R05
Round Flat
Shoe
Black Polymer

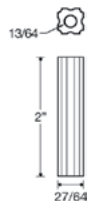
Job-Lot Epoxy Adhesive System

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)



2906

Extra Nozzle for 2905



596000
Tube Iron
Insert - Polymer

2901 / F-300
11oz. Epoxy (Approximately 100 balusters
per tube. Open work time - 25 minutes)



2902 / F-101
Injector Tool

2903
F-120
Nozzle
for 2901



Epoxy Glue System

2302 Manual Dispenser

2301 Adhesive (Approximately
20 balusters per tube.
Open work time - 25 minutes)

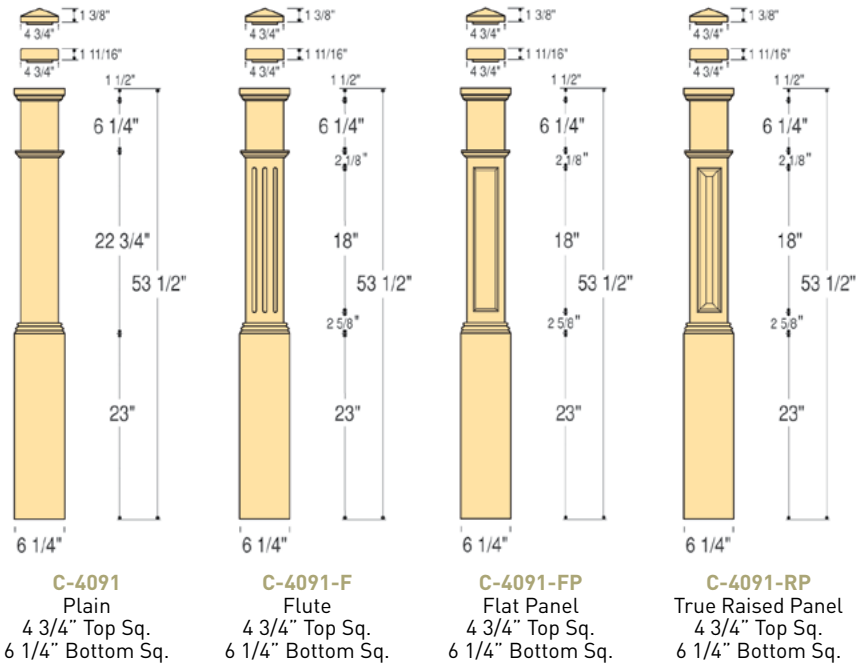
2303 Mixing Nozzle (Packed 10 ea.)



2360 / NC101
Newel Attaching System
Base Collar, Shaft and Screws
All Finishes

2362 / NEWL-FSH01
Flat Newel Shoe - Only
All Finishes

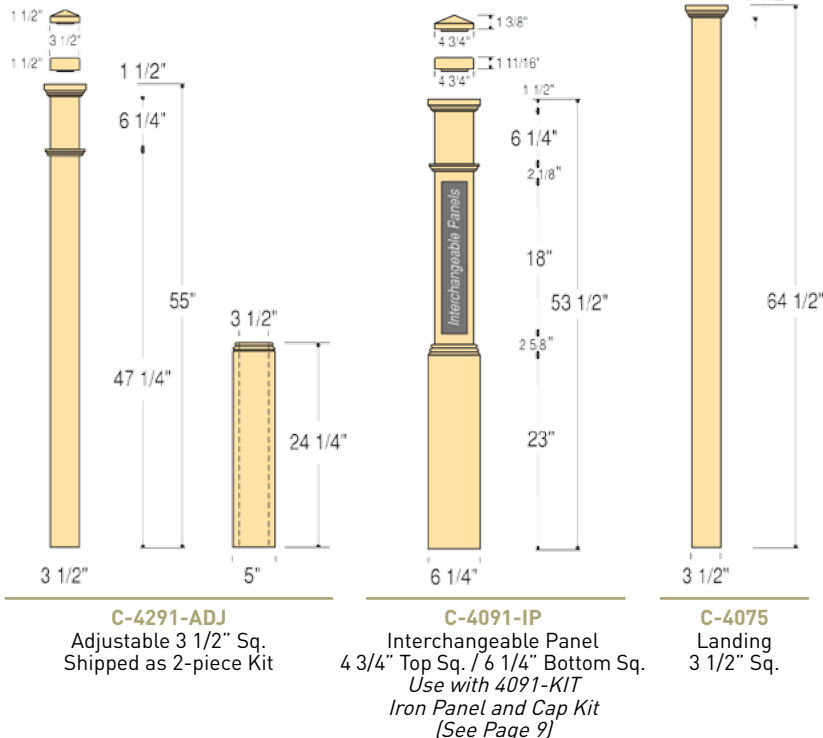
WM Coffman's Box Newel Collection offers you the ability to enhance the appearance of your stair with an impressive and bold style that blends with any of our rail and baluster profiles.



Shown: C-4091 Box Newel, C-6210 P1 Handrail, C-5601 Balusters.

Interchangeable Box Newel Caps

The Box Newels shown on this page are shipped with Interchangeable Flat and Peak Caps and have Hollow Top Construction which allows for secure handrail installation from inside the Box Newel.



Shown: C-4091 Plain Box Newel



Shown: C-4091-F Fluted Box Newel

WOOD

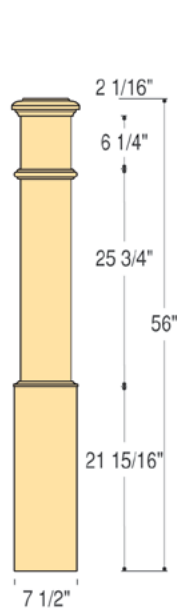
Box Newels



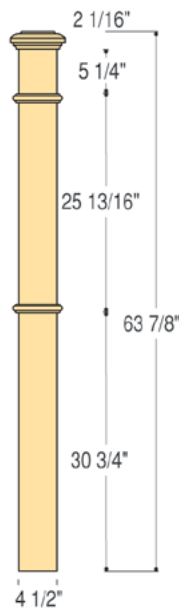
Shown: C-4095-F Fluted Box Newel, C-6110 Handrail, C-7112S Up Easing, C-5151 Balusters.

WOOD

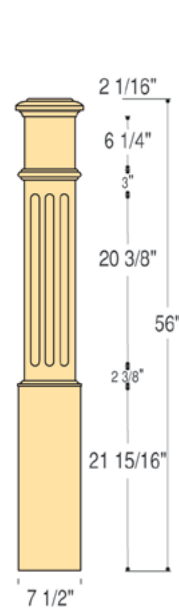
WM Coffman provides a complete selection of Box Newels offered with complementary sized Landing Newels to provide more design flexibility.



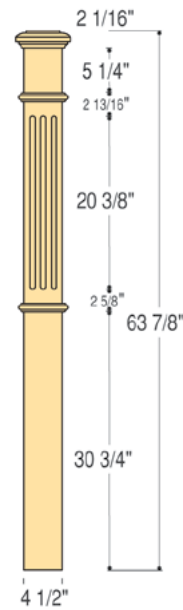
C-4095
Plain
6" Top Sq.
7 1/2" Bottom Sq.



C-4695
Plain
4 1/2" Sq.



C-4095-F
Flute 6" Top Sq.
7 1/2" Bottom Sq.



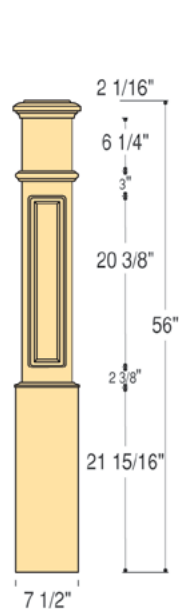
C-4695-F
Flute
4 1/2" Sq.



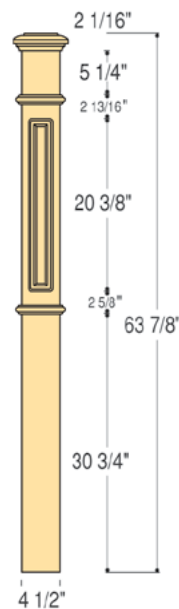
Shown: C-4095 Plain Box Newel



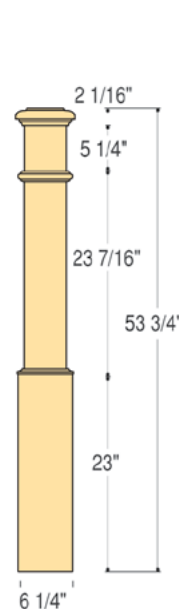
Shown: C-4095-RP Raised Panel Box Newel



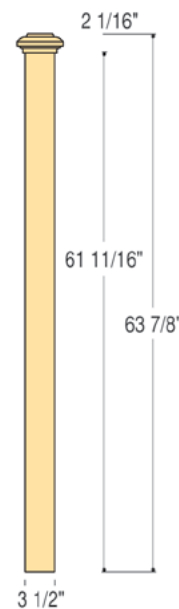
C-4095-RP
Raised Panel
6" Top Sq.
7 1/2" Bottom Sq.



C-4695-RP
Raised Panel
4 1/2" Sq.

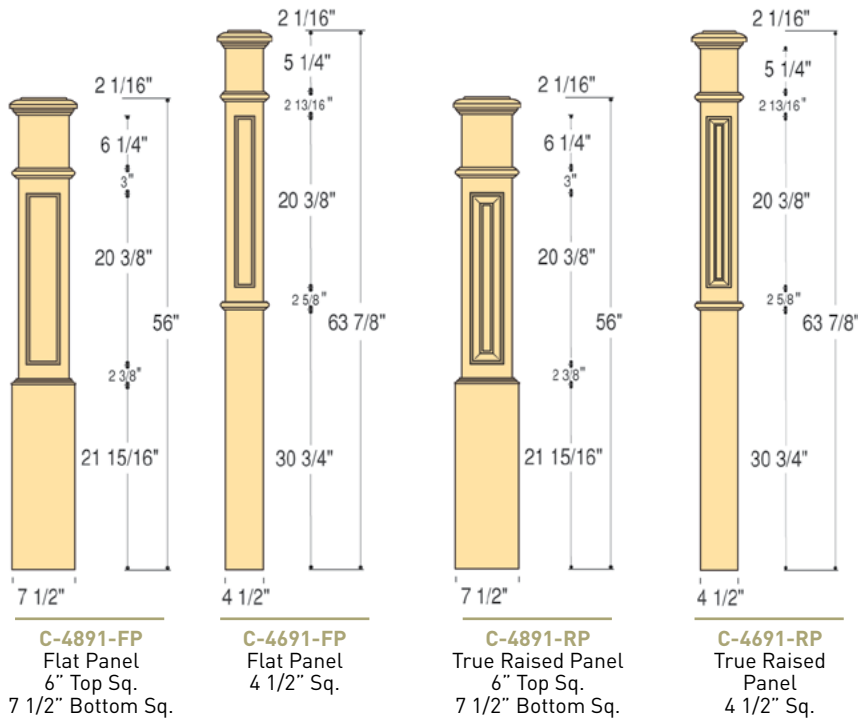


C-4090
Plain
4 3/4" Top Sq.
6 1/4" Bottom Sq.

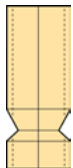


C-4077
Landing
3 1/2" Sq.

Box Newels



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

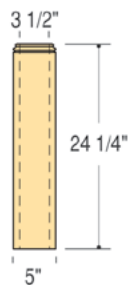


FREE!

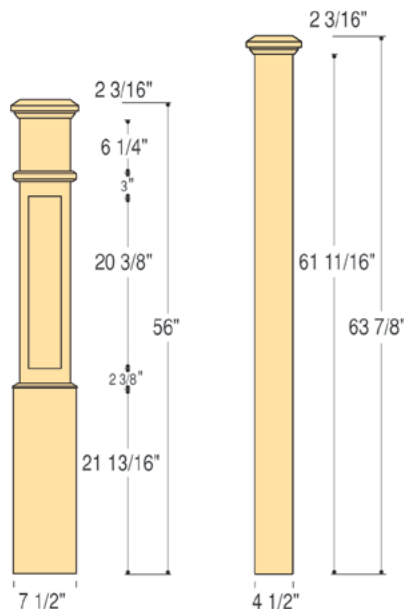
EZ Mount Installation System

Exclusively from WM Coffman, the EZ Mount Base Block Installation System (includes block, 4 lag screws and washers) is included with all 6 1/4" and 7 1/2" Box Newels.

Shown: C-4890 Mission Box Newel
C-6700 P1 Handrail, C-5360 Balusters



C-4099
Newel Sleeve 3 1/2"
Mouldings Shipped Loose
(2 Profile Options:
C-4091 and C-4095)



Shown: C-4891-RP True Raised Panel Box Newel



Shown: C-4691-RP True Raised Panel Box Newel

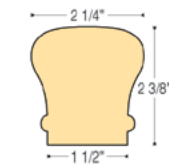
WOOD

Traditional Over-the-Post

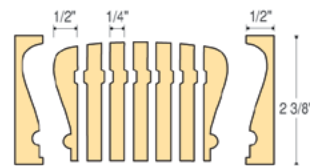


The Traditional Collection

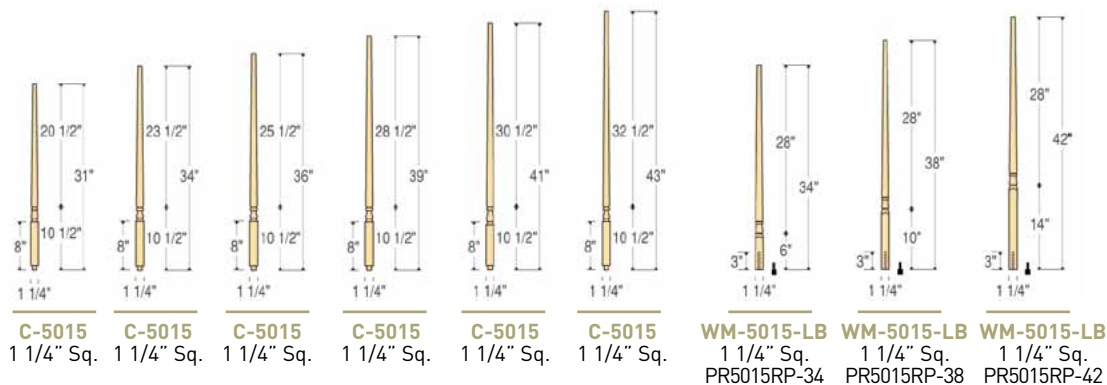
derives its beautiful style from the Georgian, Federal and Greek Revival periods of architecture. Graceful tapers and delicate beadwork are brought together to create a time-honored look.



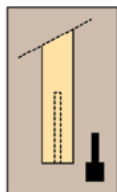
C-6010



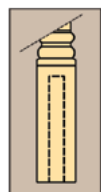
C-6016 (7 piece)
Bending Rail with
Bending Mould



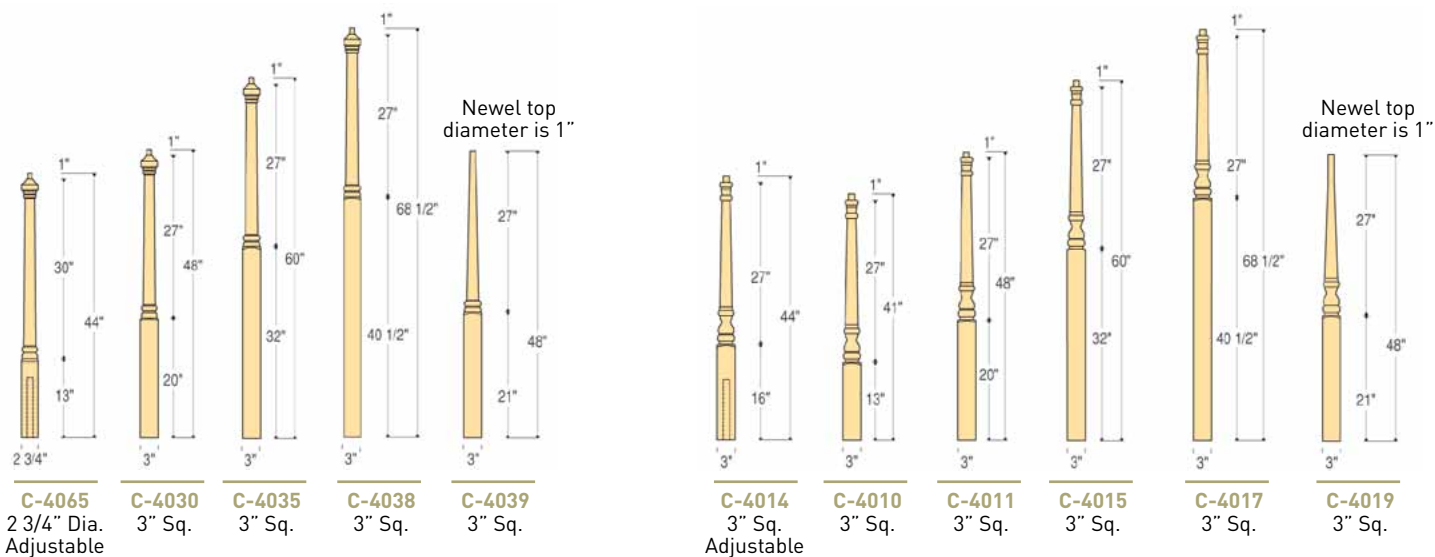
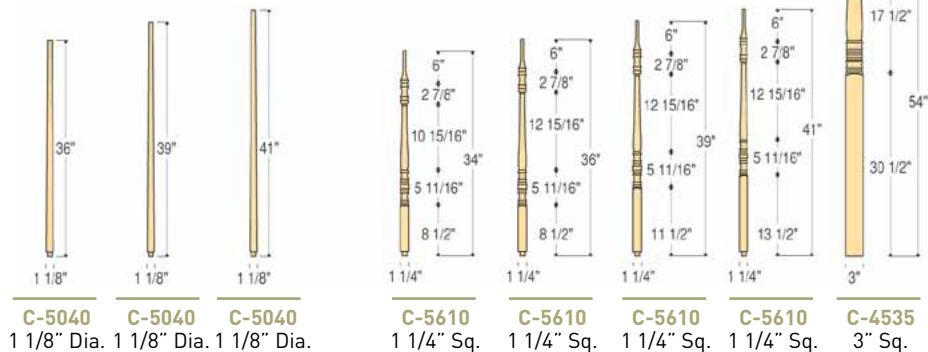
WOOD



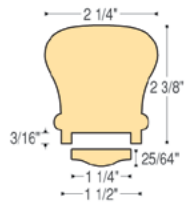
Enlarged for Detail. All Long Block (LB) balusters are designed and shipped with removable pin.



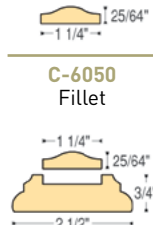
Enlarged for Detail. All Adjustable Newels are bored and shipped with loose dowel.



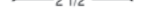
Traditional Post-to-Post



C-6010 P
with Fillet



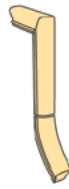
C-6050
Fillet



C-6045
Shoe Rail with
Fillet



C-7098
1 Riser
No Cap



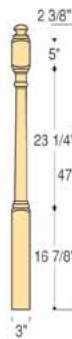
C-7099
2 Riser
No Cap



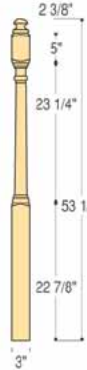
Shown: C-6010 P Handrail,
C-5067 Balusters, C-4040
Starting Newel.



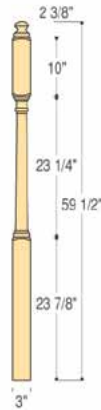
Newels at right are
available in 2 options.
For Ball Top specify (BT)



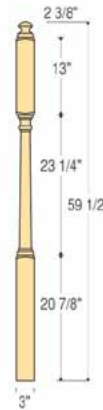
C-4040
3" Sq.



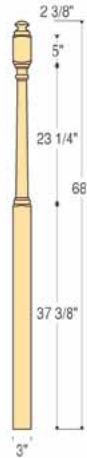
C-4042
3" Sq.



C-4045
3" Sq.



C-4046
3" Sq.

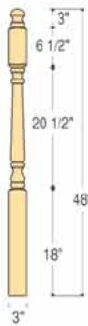


C-4055
3" Sq.

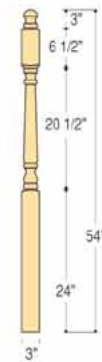


C-4046S
3" Sq.

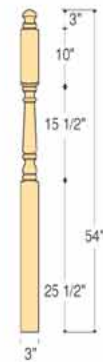
Ball Top not available



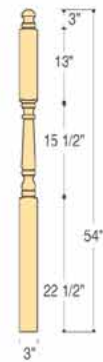
C-4540
3" Sq.



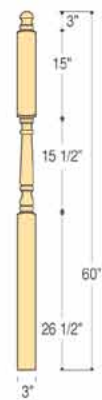
C-4542
3" Sq.



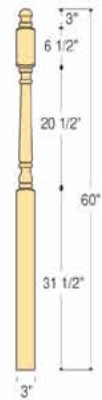
C-4545
3" Sq.



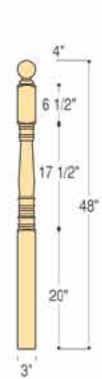
C-4546
3" Sq.



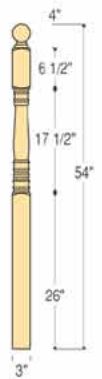
C-4547
3" Sq.



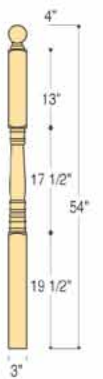
C-4548
3" Sq.



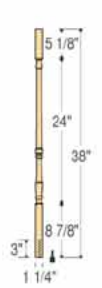
C-4550BT
3" Sq.



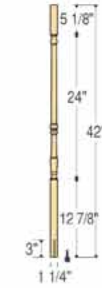
C-4555BT
3" Sq.



C-4556BT
3" Sq.

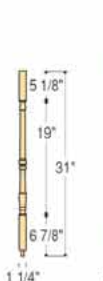


C-5067-LB
1 1/4" Sq.

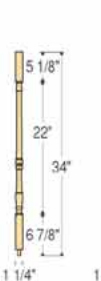


C-5067-LB
1 1/4" Sq.

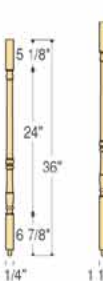
B-48-6.5-MT B-54-6.5-MT B-54-10-MT B-54-13-MT B-60-15-MT



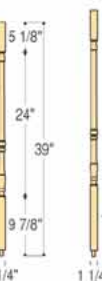
C-5067
1 1/4" Sq.



C-5067
1 1/4" Sq.



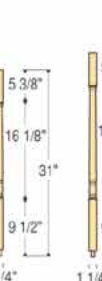
C-5067
1 1/4" Sq.



C-5067
1 1/4" Sq.



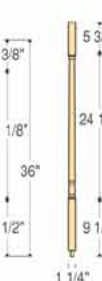
C-5067
1 1/4" Sq.



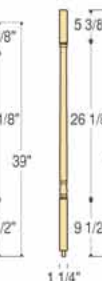
C-5070
1 1/4" Sq.



C-5070
1 1/4" Sq.



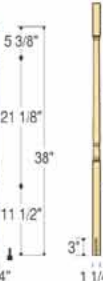
C-5070
1 1/4" Sq.



C-5070
1 1/4" Sq.



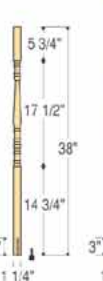
C-5070
1 1/4" Sq.



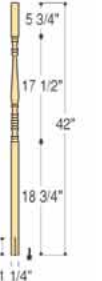
C-5070-LB
1 1/4" Sq.



C-5070-LB
1 1/4" Sq.



C-5105-LB
1 1/4" Sq.



C-5105-LB
1 1/4" Sq.

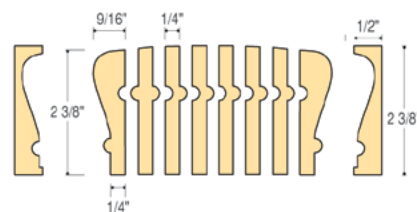
C-5067 1 1/4" Sq. C-5067 1 1/4" Sq. C-5067 1 1/4" Sq. C-5067 1 1/4" Sq. C-5067 1 1/4" Sq. C-5070 1 1/4" Sq. C-5070 1 1/4" Sq. C-5070 1 1/4" Sq. C-5070 1 1/4" Sq. C-5070 1 1/4" Sq. C-5070-LB 1 1/4" Sq. C-5070-LB 1 1/4" Sq. C-5105-LB 1 1/4" Sq. C-5105-LB 1 1/4" Sq.

WOOD

Classic Over-the-Post

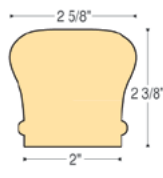


Inspired by the timeless appeal of Greek and Roman architecture, the **Classic Collection** is a blend of fine craftsmanship and purity of proportion. Balanced turnings accentuate an expertly carved urn, resulting in a profile recognized for its refined design.

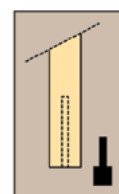


C-6216

Bending Rail with Bending Mould



C-6210



Enlarged for Detail. All Long Block (LB) balusters are designed and shipped with removable pin.

Shown: C-6210 Handrail, C-5611 Balusters, C-4210 Starting Newel, C-7230 LH Volute, C-8010 Starting Step.

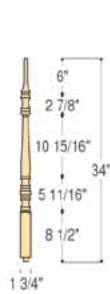
WOOD



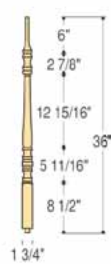
Shown: C-4662 Newel

Shown: C-4210 Newel

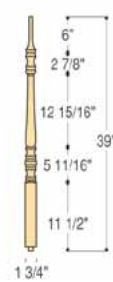
Shown: C-5611 Baluster



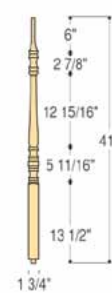
C-5611
1 3/4" Sq.



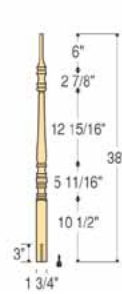
C-5611
1 3/4" Sq.



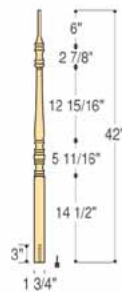
C-5611
1 3/4" Sq.



C-5611
1 3/4" Sq.

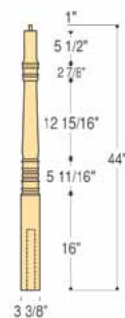


C-5611-LB
1 3/4" Sq.

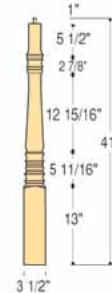


C-5611-LB
1 3/4" Sq.

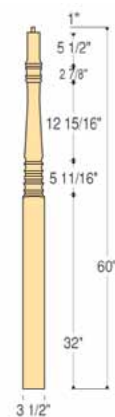
Newel top diameters are 2 1/8"



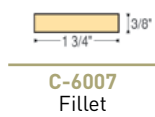
C-4662
3 3/8" Dia.
Adjustable



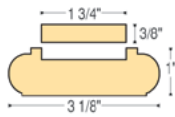
C-4210
3 1/2" Sq.
use with Starting
Easing



C-4215
3 1/2" Sq.
Intermediate
or Landing



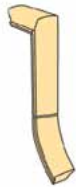
C-6007
Fillet



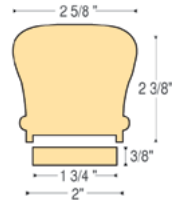
C-6006
Shoe Rail with
Fillet



C-7298
1 Riser
No Cap



C-7299
2 Riser
No Cap



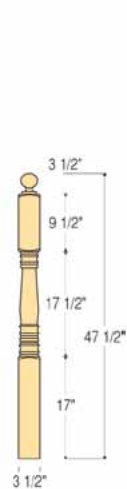
C-6210 P1
with Fillet



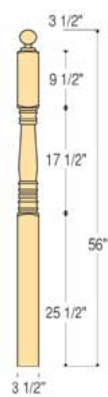
Shown: C-6210 P1 Handrail, C-5601 Balusters,
C-4240 Starting Newel.



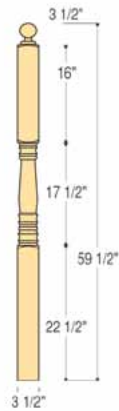
Newel Top Detail



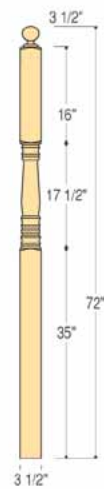
C-4001
3 1/2" Sq.



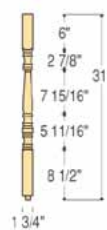
C-4002
3 1/2" Sq.



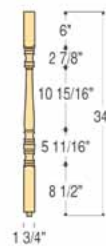
C-4003
3 1/2" Sq.



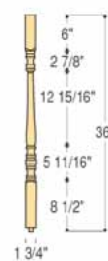
C-4003 L
3 1/2" Sq.



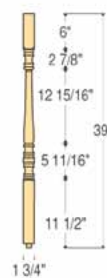
C-5601
1 3/4" Sq.



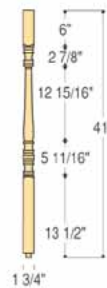
C-5601
1 3/4" Sq.



C-5601
1 3/4" Sq.



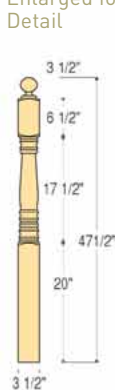
C-5601
1 3/4" Sq.



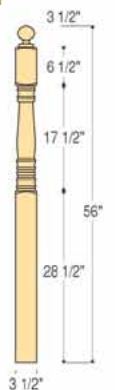
C-5601
1 3/4" Sq.



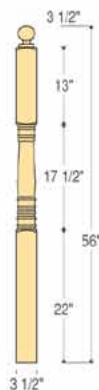
Enlarged for
Detail



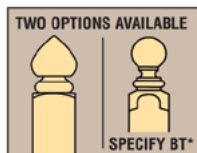
C-4007
3 1/2" Sq.



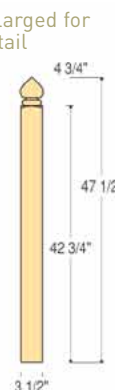
C-4008
3 1/2" Sq.



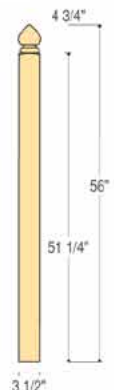
C-4009
3 1/2" Sq.



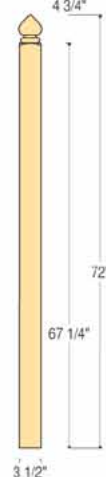
Enlarged for
Detail



C-4004*
3 1/2" Sq.



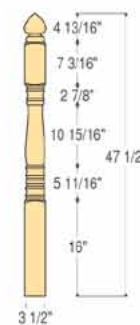
C-4005*
3 1/2" Sq.



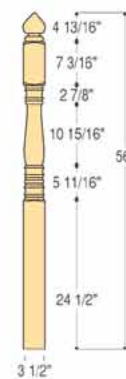
C-4006
3 1/2" Sq.
No BT



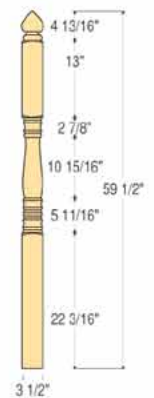
Newel Top Detail



C-4240
3 1/2" Sq.



C-4242
3 1/2" Sq.



C-4245
3 1/2" Sq.

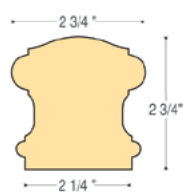
WOOD

Bristol Over-the-Post

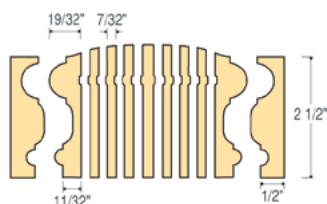


Elegant detailing and simple design gives the **Bristol Collection** tremendous versatility. Balusters and newels feature handsome vase.

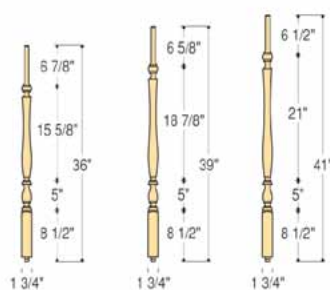
Shown: C-6116 Bending Rail, C-5151 Balusters, C-4162 Starting Newel, C-7130 LH Volute, C-7135 RH Volute.



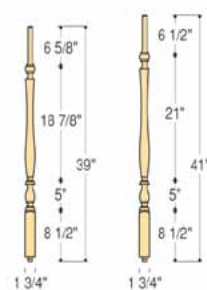
C-6110



C-6116
Bending Rail with Bending Mould



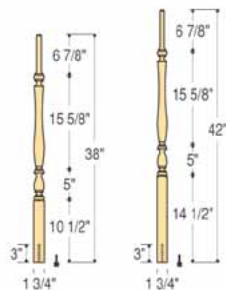
C-5151
1 3/4" Sq.



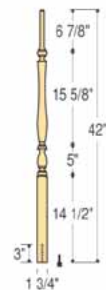
C-5151
1 3/4" Sq.



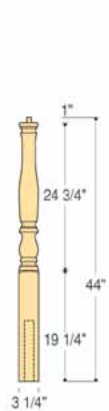
C-5151
1 3/4" Sq.



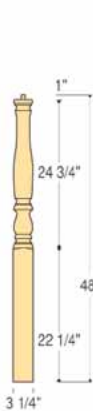
C-5151-LB
1 3/4" Sq.



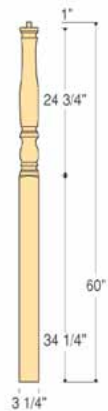
C-5151-LB
1 3/4" Sq.



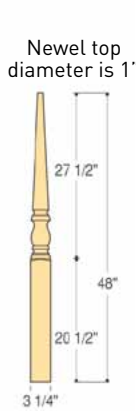
C-4162
3 1/4" Sq.
Adjustable



C-4111
3 1/4" Sq.
D-48-0-PT



C-4115
3 1/4" Sq.



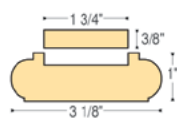
C-4119
3 1/4" Sq.
D-ST-48

Newel top diameter is 1"

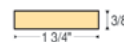
Bristol Post-to-Post



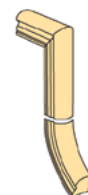
Shown: C-6110 P1 Handrail, C-5141 Balusters, C-4172 Starting Newel



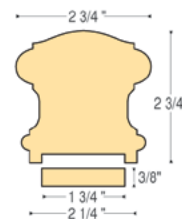
C-6006
Shoe Rail with Fillet



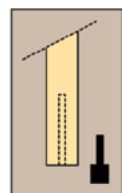
C-6007
Fillet



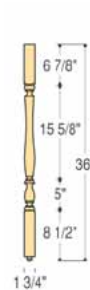
C-7199
2 Riser
No Cap



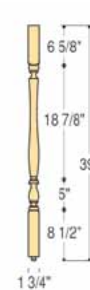
C-6110 P1
with Fillet



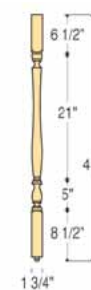
Enlarged for Detail. All Long Block (LB) balusters are designed and shipped with removable pin.



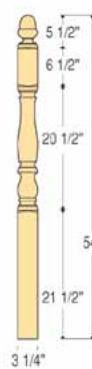
C-5141
1 3/4" Sq.



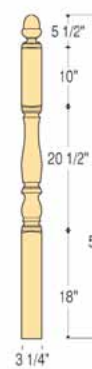
C-5141
1 3/4" Sq.



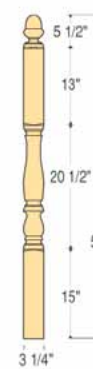
C-5141
1 3/4" Sq.



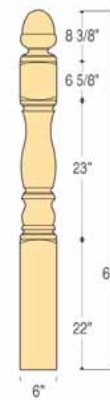
C-4172
3 1/4" Sq.
D-54-6.5-AT



C-4175
3 1/4" Sq.
D-54-10-AT



C-4176
3 1/4" Sq.
D-54-13-AT



C-4179
6" Sq.
D-6-6-60-AT

WOOD

Marion Over-the-Post

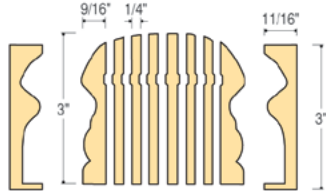
Marion Post-to-Post

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

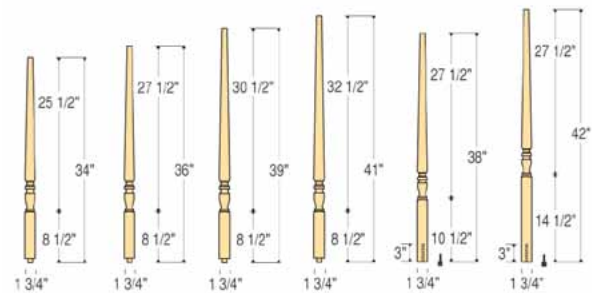
Shown: C-6719 Handrail, C-5251 Balusters, C-4257 Starting Newel, C-7730 LH Volute, C-8010 Starting Step.



C-6719

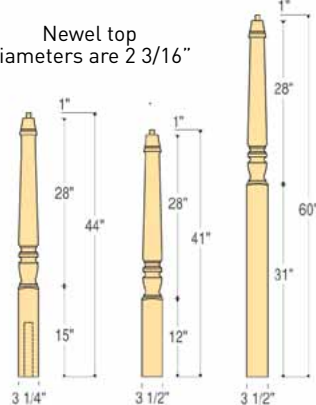


C-6716
Bending Rail with
Bending Mould



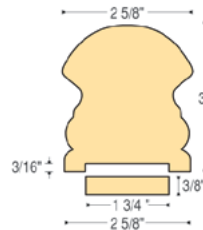
C-5251 1 3/4" Sq. **C-5251** 1 3/4" Sq. **C-5251** 1 3/4" Sq. **C-5251** 1 3/4" Sq. **C-5251-LB** 1 3/4" Sq. **C-5251-LB** 1 3/4" Sq.

Newel top
diameters are 2 3/16"

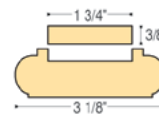


C-4257 3 1/4" Dia. Adjustable
C-4272 3 1/2" Sq. use with volute or Starting Easing
C-4277 3 1/2" Sq.

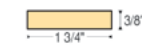
Shown: C-6719 P1 Handrail, C-5241 Balusters, C-4282 Starting Newel.



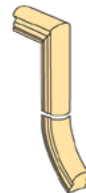
C-6719 P1
with Fillet



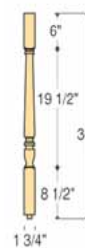
C-6006
Shoe Rail
with Fillet



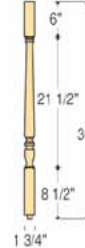
C-6007
Fillet



C-7799
2 Riser
No Cap



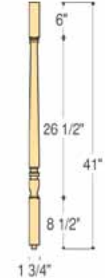
C-5241
1 3/4" Sq.



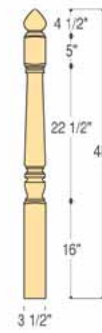
C-5241
1 3/4" Sq.



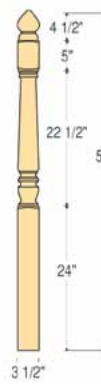
C-5241
1 3/4" Sq.



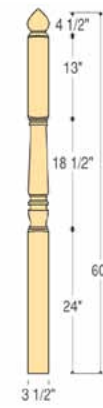
C-5241
1 3/4" Sq.



C-4282
3 1/2" Sq.



C-4282 L
3 1/2" Sq.



C-4287
3 1/2" Sq.



Newel Top Detail

WOOD

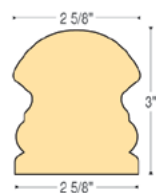
Chippendale Over-the-Post

Chippendale Post-to-Post

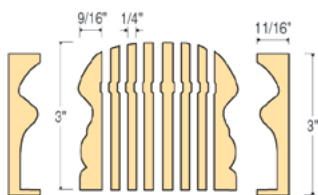


The **Chippendale Collection** celebrates the refined style made famous by the master furniture maker, Thomas Chippendale. Balusters and newels feature carefully-crafted flutes and graceful proportions that produce the elegant appeal of this classic design.

Shown: C-6719 Handrail, C-5211 Balusters, C-4252 Starting Newel, C-7730 LH Volute, C-7735 RH Volute.



C-6719



C-6716

Bending Rail with Bending Mould



C-5211
1 3/4" Sq.
Flute



C-5211
1 3/4" Sq.
Flute

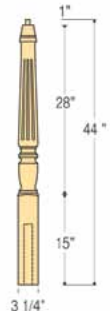


C-5211
1 3/4" Sq.
Flute

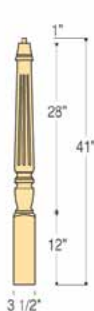


C-5211
1 3/4" Sq.
Flute

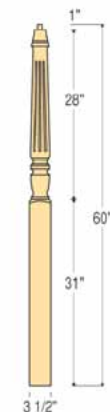
Newel top
diameters are 2 3/16"



C-4252
3 1/4" Dia.
Flute
Adjustable



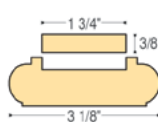
C-4270
3 1/2" Sq.
Flute
use with
Volute or
Starting Easing



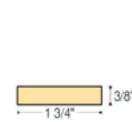
C-4275
3 1/2" Sq.
Flute
Intermediate
or Landing



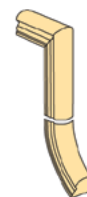
Shown: C-6719 P1 Handrail, C-5201 Balusters, C-4280 Starting Newel.



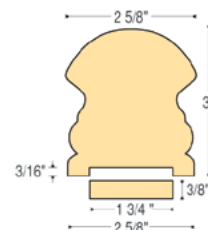
C-6006
Shoe Rail
with Fillet



C-6007
Fillet



C-7799
2 Riser
No Cap



C-6719 P1
with Fillet



C-5201
1 3/4" Sq.
Flute



C-5201
1 3/4" Sq.
Flute



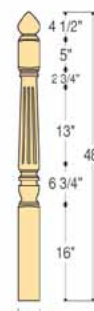
C-5201
1 3/4" Sq.
Flute



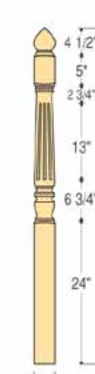
C-5201
1 3/4" Sq.
Flute



Newel Top Detail



C-4280
3 1/2" Sq.
Flute



C-4280 L
3 1/2" Sq.
Flute

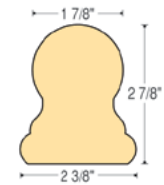


C-4285
3 1/2" Sq.
Flute

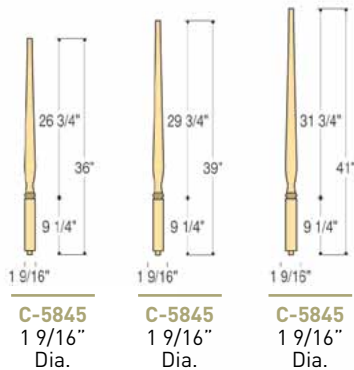
WOOD

Art Deco Over-the-Post

Shown: C-6810 Handrail, C-5845 Balusters, C-4810 Starting Newel, C-7831 Vertical Volute, C-8029 Tread Brackets.



C-6810

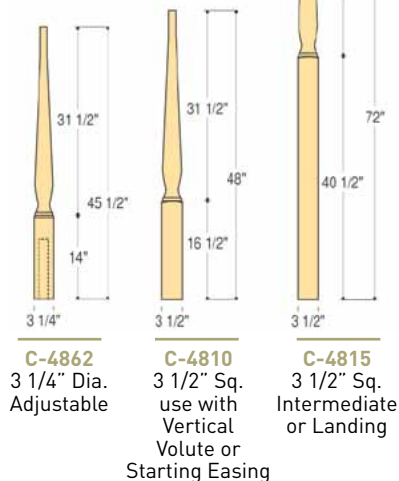


C-5845
1 9/16" Dia.

C-5845
1 9/16" Dia.

C-5845
1 9/16" Dia.

Note: Placement of Art Deco Newels will sometimes differ from standard newel locations because of the contemporary styling of the Art Deco fittings.



C-4862
3 1/4" Dia.
Adjustable

C-4810
3 1/2" Sq.
use with
Vertical
Volute or
Starting Easing

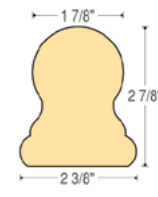
C-4815
3 1/2" Sq.
Intermediate
or Landing

Art Deco Post-to-Post

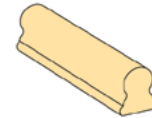
The Art Deco Collection

replicates the sense of design that helped transform this fashionable look into an enduring style. Soft curves and elongated tapers unite to emphasize the refreshing proportions that complement so many interior decorating styles.

Shown: C-6810 Handrail, C-5845 Balusters, C-4840 Starting Newel, C-8029 Tread Brackets.



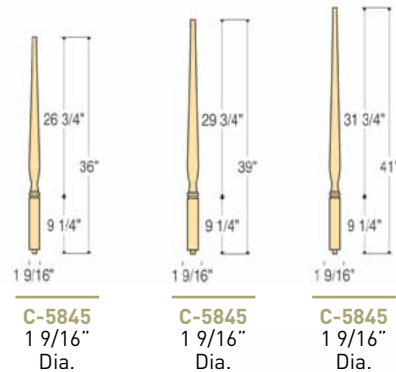
C-6810



C-6810



C-7899
2 Riser
No Cap



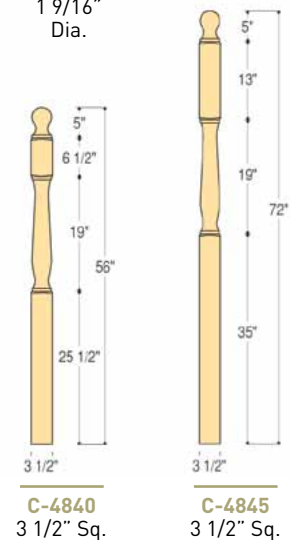
C-5845
1 9/16" Dia.

C-5845
1 9/16" Dia.

C-5845
1 9/16" Dia.



Newel Top Detail



C-4840
3 1/2" Sq.

C-4845
3 1/2" Sq.

WOOD

Richmond Over-the-Post

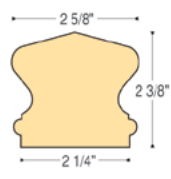
Richmond Post-to-Post



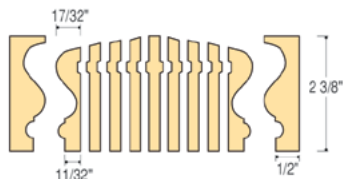
The **Richmond Collection** handrail features a deeply carved profile that transitions gracefully into a richly proportioned peak. Combined with bold turnings, this Collection creates a look that is pleasing to the eye.



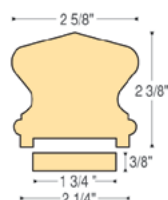
Shown: C-6410 Handrail, C-4695-F Fluted Box Newel, C-7499 Gooseneck, C-7412S Up Easing.



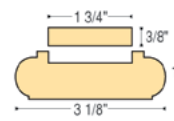
C-6410



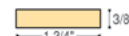
C-6416
Bending Rail with Bending Mould



C-6410 P1
with Fillet

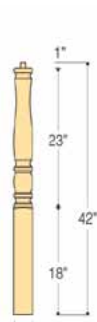


C-6006
Shoe Rail
with Fillet

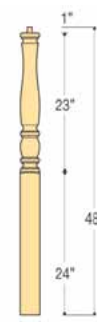


C-6007
Fillet

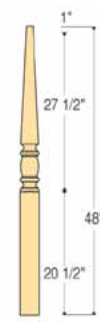
Newel top diameters are 1"



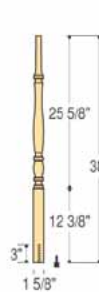
C-4410
3 1/4" Sq.
C-42-0-PT



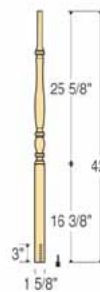
C-4415
3 1/4" Sq.
C-48-0-PT



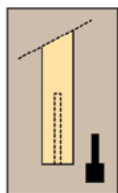
C-4419
3 1/4" Sq.
C-ST-48



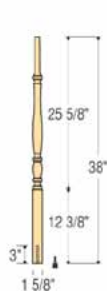
C-5341-LB
1 5/8" Sq.



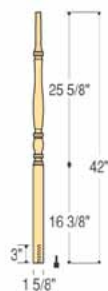
C-5341-LB
1 5/8" Sq.



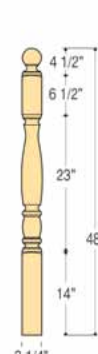
Enlarged for Detail. All Long Block (LB) balusters are designed and shipped with removable pin.



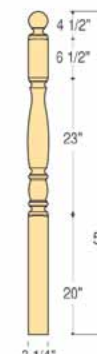
C-5341-LB
1 5/8" Sq.



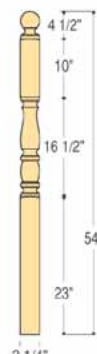
C-5341-LB
1 5/8" Sq.



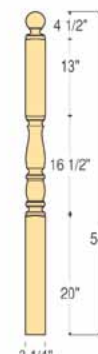
C-4440
3 1/4" Sq.
C-48-6.5-BT



C-4442
3 1/4" Sq.
C-54-6.5-BT



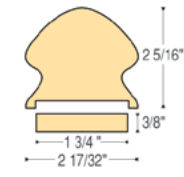
C-4445
3 1/4" Sq.
C-54-10-BT



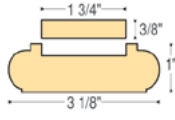
C-4446
3 1/4" Sq.
C-54-13-BT

Hampton Post-to-Post

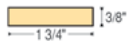
WM Coffman's Hampton Collection offers a combination of pure straight lines, detailed carvings and bold proportions.



C-6005 P1
1 3/4" Plow
with Fillet



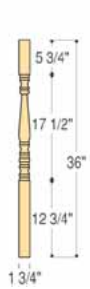
C-6006
Shoe Rail
with Fillet



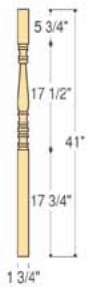
C-6007
Fillet



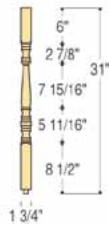
Shown: C-6005 P1 Handrail, C-6006 Shoe Rail, C-5005 Balusters, C-4004 Starting Newels.



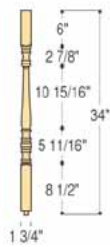
C-5005
1 3/4" Sq.



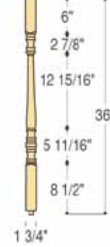
C-5005
1 3/4" Sq.



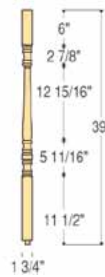
C-5601
1 3/4" Sq.



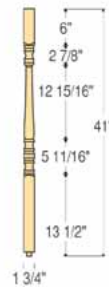
C-5601
1 3/4" Sq.



C-5601
1 3/4" Sq.



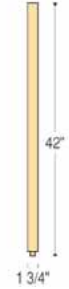
C-5601
1 3/4" Sq.



C-5601
1 3/4" Sq.



C-5360
1 3/4" S4S

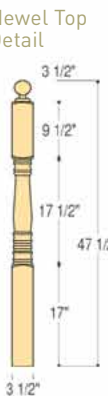


C-5360
1 3/4" S4S

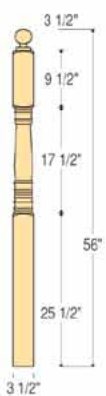
WOOD



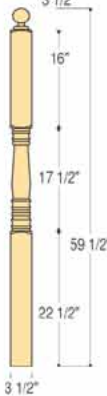
Newel Top
Detail



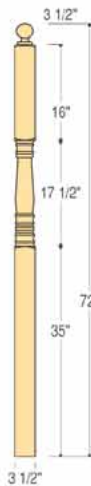
C-4001
3 1/2" Sq.



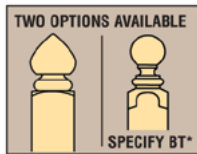
C-4002
3 1/2" Sq.



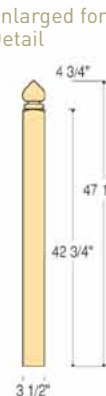
C-4003
3 1/2" Sq.



C-4003 L
3 1/2" Sq.



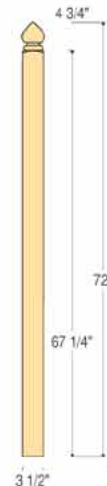
Enlarged for
Detail



C-4004*
3 1/2" Sq.



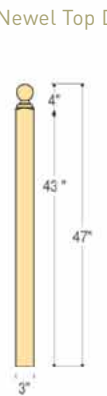
C-4005*
3 1/2" Sq.



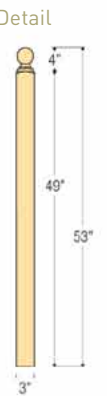
C-4006
3 1/2" Sq.
No BT



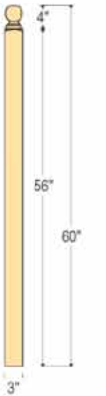
Newel Top Detail



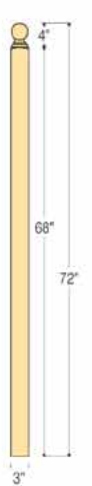
C-4070
3" Sq.



C-4072
3" Sq.



C-4073
3" Sq.

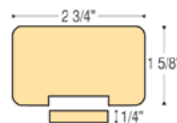


C-4073 L
3" Sq.

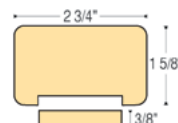
Craftsman Post-to-Post



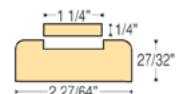
WM Coffman's Craftsman Collection of newels, balusters and handrails offer the contemporary look of modern components. The straight lines and eased edges will please the eye and the touch.



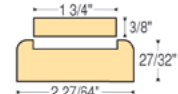
C-6700 P
with Fillet



C-6700 P1
with Fillet



C-6001
Shoe Rail
with Fillet



C-6002
Shoe Rail
with Fillet



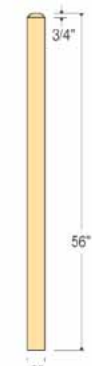
Top View showing
Eased Edge



Top View showing
Eased Edge



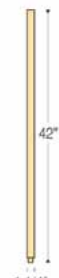
C-4074
3" Sq.



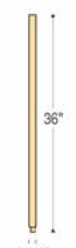
C-4074 EE
3" Sq.



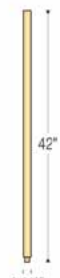
C-5060
1 1/4" S4S



C-5060
1 1/4" S4S



C-5060 EE
1 1/4" Sq.



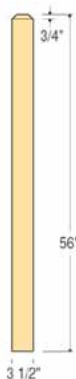
C-5060 EE
1 1/4" Sq.



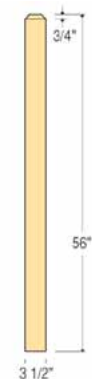
Shown: C-4074 EE Newel



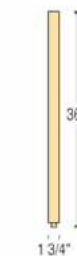
Shown: C-4076 Newel



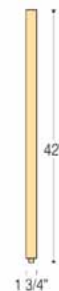
C-4076
3 1/2" Sq.



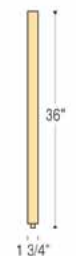
C-4076 EE
3 1/2" Sq.



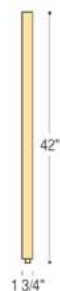
C-5360
1 3/4" S4S



C-5360
1 3/4" S4S



C-5360 EE
1 3/4" Sq.

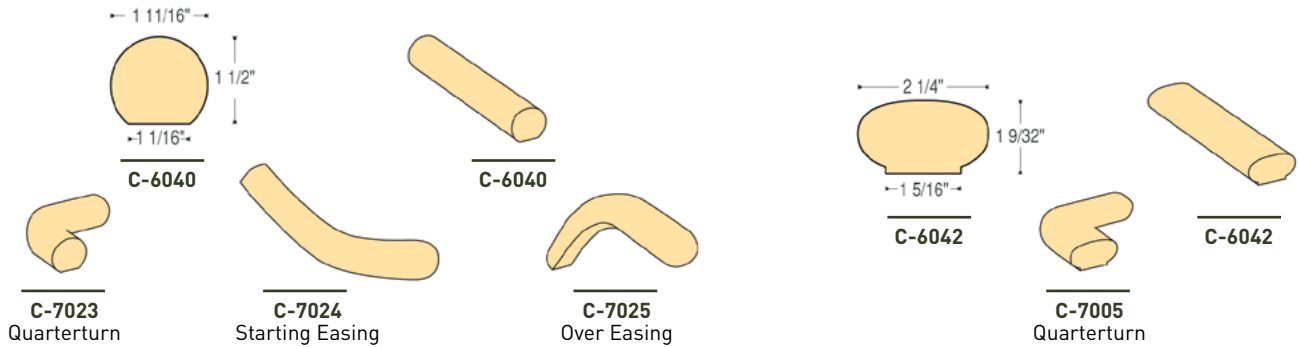


C-5360 EE
1 3/4" Sq.

WOOD

Wall Rails, Brackets, Rosettes

Wall Rails



Wall Rail Brackets



ACCESSORIES

Rosettes



Fittings Traditional / Classic

Starting Fittings

Traditional



C-6010



C-7031
Vertical Volute

4 7/8" Center
of Rail to Center
of Newel Cap



C-7030
C-7230
Left Hand
Volute

C-7035
C-7235
Right Hand
Volute

5 1/4" Center
of Rail to Center
of Newel Cap



C-7033
C-7233
Left Hand
Volute Ascending

C-7038
C-7238
Right Hand
Volute Ascending

Classic



C-6210



C-7010
C-7210
Starting Easing
With Cap

4 7/8" Center
of Rail to Center
of Newel Cap



C-7040
C-7240
Left Hand
Turnout

C-7045
C-7245
Right Hand
Turnout

2 7/8" Center
of Rail to Center
of Newel Cap



C-7041
C-7241
Left Hand
Turnout

C-7046
C-7246
Right Hand
Turnout

Traditional / Classic

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

Transition Fittings



C-7001
Rail Drop



C-7007
C-7207
Coped End



C-7009
C-7209
Returned End



C-7011
C-7211
Level Quarter-
turn 90°



C-7012S
C-7212S
Up Easing



C-7013
C-7213
Over Easing



C-7014S
C-7214S
Up Easing 90°



C-7015
C-7215
Starting Easing
Returned End



C-7016
C-7216
Over Easing
Returned End



C-7018
Newel Cap



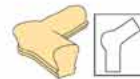
C-7019
C-7219
Opening Cap



C-7020
C-7220
Tandem Cap



C-7021
C-7221
Quarterturn
Cap 90°



C-7022
C-7222
Level Cap 45°

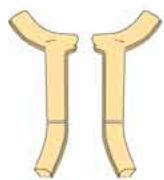


C-7026
C-7226
Level Turn 45°



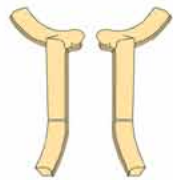
C-7047
C-7247
5" Center to Center Left
or Right (LH shown)

Gooseneck Fittings



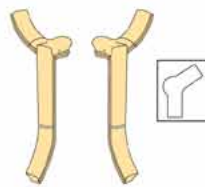
C-7050
C-7250
Left Hand
2 Riser No Cap 90°

C-7055
C-7255
Right Hand



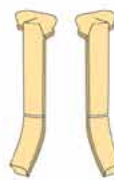
C-7060
C-7260
Left Hand
2 Riser With Cap 90°

C-7065
C-7265
Right Hand



C-7061
C-7261
Left Hand
2 Riser With Cap 45°

C-7066
C-7266
Right Hand



C-7071
C-7271
Left Hand
2 Riser No Cap 90°

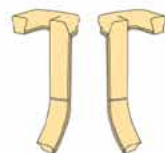
C-7076
C-7276
Right Hand



C-7081
C-7281
Left Hand
2 Riser With Cap 90°

C-7086
C-7286
Right Hand

5 1/2" Center of rail to Center of Rail



C-7091
C-7291
Left Hand
2 Riser Landing Return
No Cap 180°

C-7094
C-7294
Right Hand



C-7089
C-7289
2 Riser with
Tandem Cap



C-7097
C-7297
2 Riser with Cap



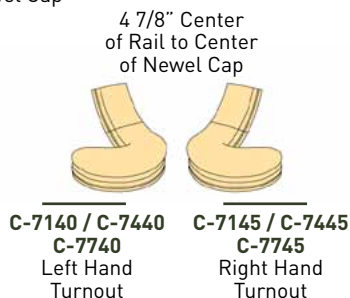
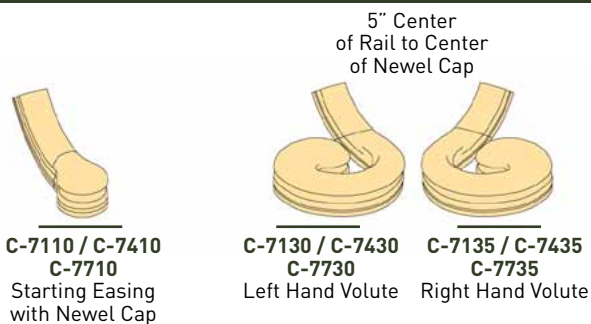
C-7098
C-7298
1 Riser No Cap



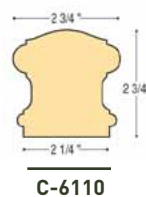
C-7099
C-7299
2 Riser No Cap

Fittings Bristol / Richmond / Marion

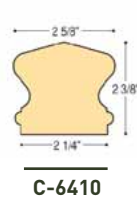
Starting Fittings



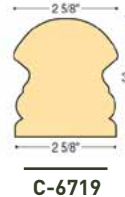
Bristol



Richmond



Marion



Bristol / Richmond / Marion

The second digit of the **Fitting** part number identifies the profile and must match the second digit of the **Rail** part number.
Example:
C-71XX Fittings = C-6110 Rail
C-74XX Fittings = C-6410 Rail
C-77XX Fittings = C-6719 Rail

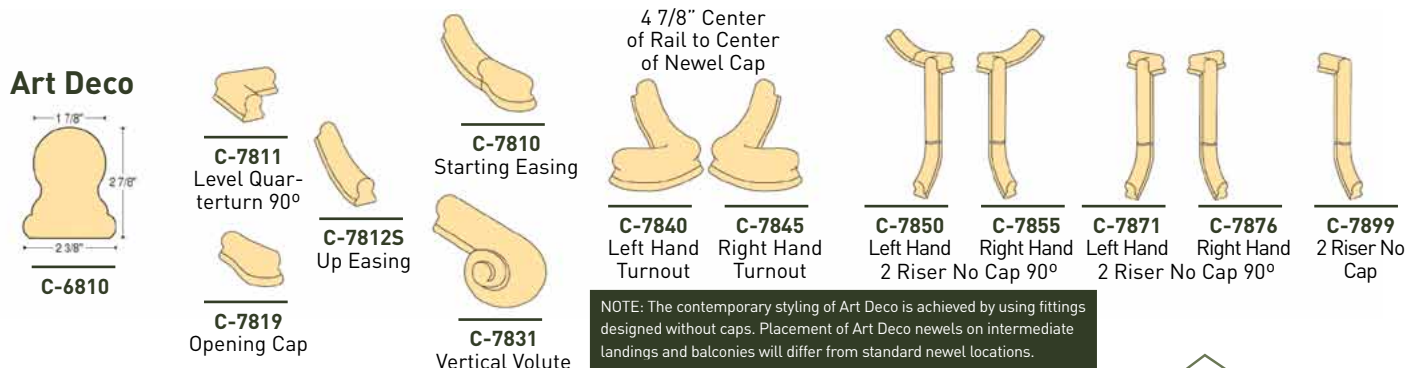
Transition Fittings



Gooseneck Fittings

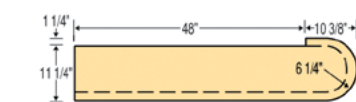


Art Deco

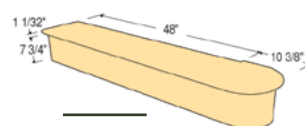


ACCESSORIES

Starting Steps



C-8010

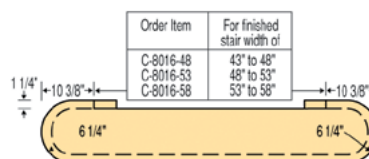


**C-8010
Bullnose**

Usable with all turnouts and volutes.



C-8015



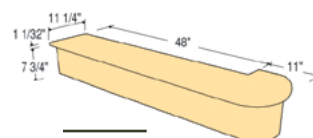
C-8016

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
Half Circle**

Use with Ascending Volute, and usable with larger profile Volute, 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

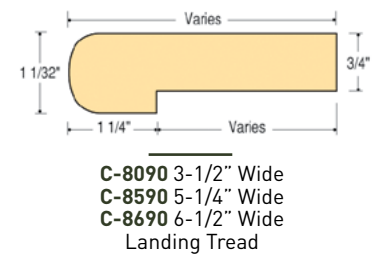
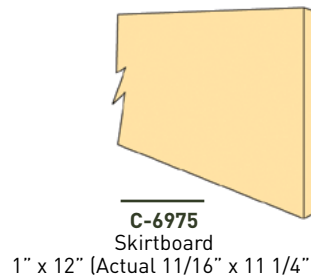
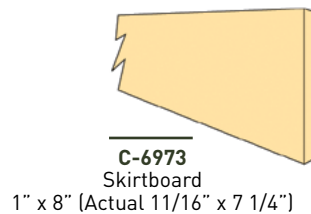
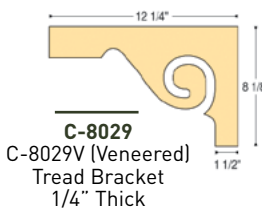
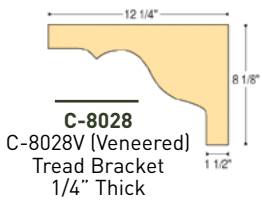
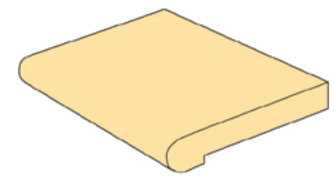
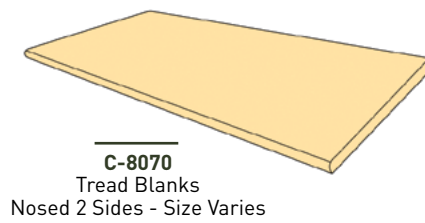
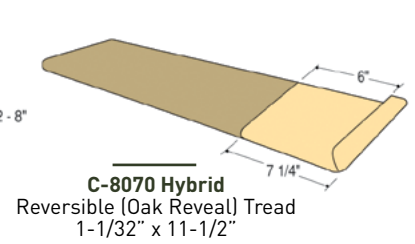
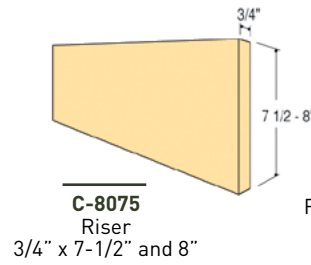
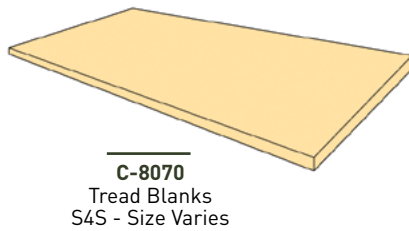
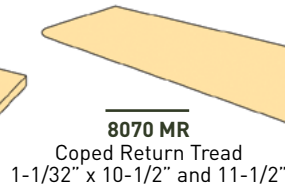
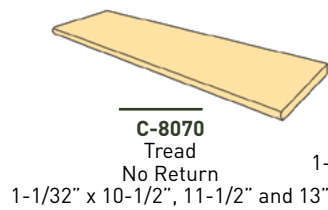
Complete Set C-8015 Cove Moulding (60")
C-8095 Profile

C-8015SHOE

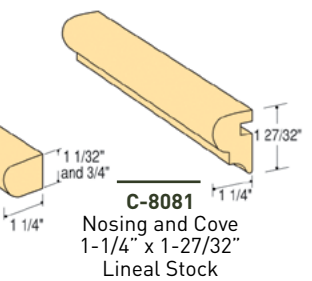
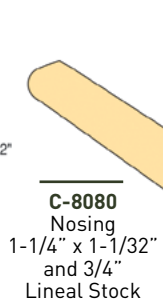
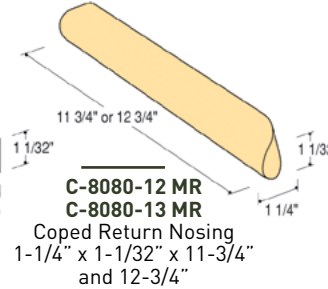
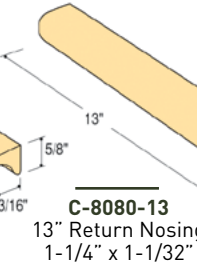
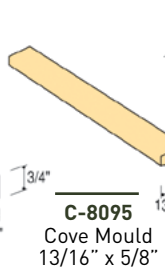
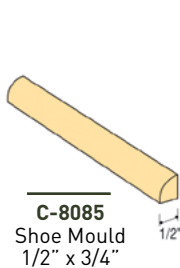
Complete Set C-8015 Shoe Moulding (60")
C-8085 Profile

Treads and Risers

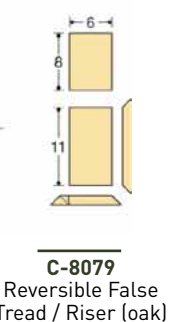
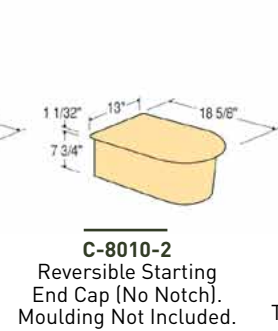
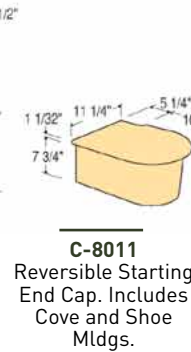
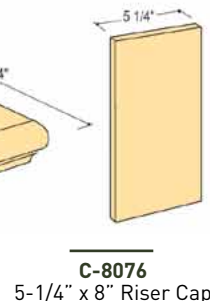
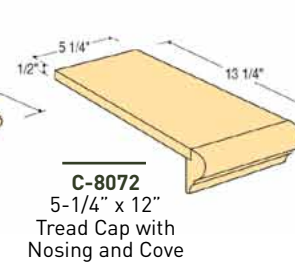
The products in this section are manufactured under highly controlled standards for beauty that will last a lifetime. All are manufactured without the use of finger-joints, excluding landing tread (which may contain a single finger-joint in 14' and 16') and skirtboard.



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

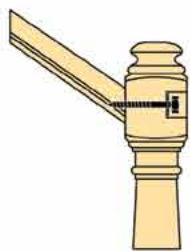


Tread and Riser Caps



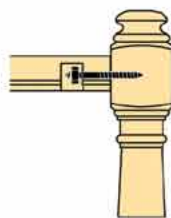
ACCESSORIES

Hardware and Accessories



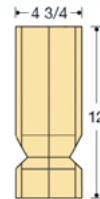
C-3301

Rail & Post Fastener
Includes Fastener,
Washer, Nut and Plugs



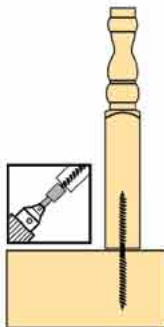
C-3302

Rail & Post Fastener
Includes Fastener,
Washer, Nut and Plugs



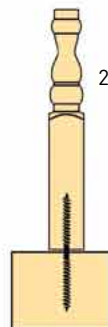
EZM-01

EZ mount for C-4091



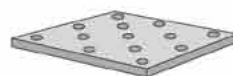
C-3201

Baluster Fastener
Drill Driver Kit
Includes — 4 Baluster Fasteners



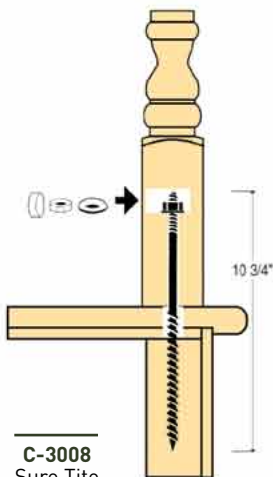
C-3203 - 50 Pack

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



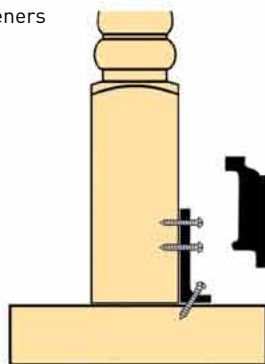
C-3501

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



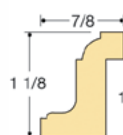
C-3008

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



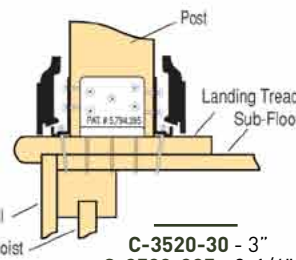
C-3505-30 - 3"

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



400476

C-3501 Molding Kit (oak)



C-3520-30 - 3"

C-3520-325 - 3-1/4"

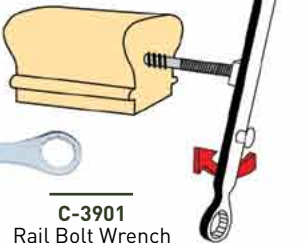
C-3520-35 - 3-1/2"

Post Mounting System

C-3520TRIM

2'-0" Piece Colonial 4J Molding

ACCESSORIES



C-3901

Rail Bolt Wrench



C-3001

3-1/2" Rail Bolt



C-3099

Miter Jig



C-3010

Flush Rail Plug
1/2" Diameter



C-3015

Button Plug
1/2" Diameter



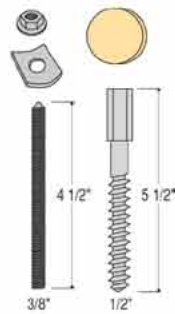
C-3000

Flush Rail Plug
1" Diameter



C-3020

Button Plug
1" Diameter



C-3284

Thread Lock



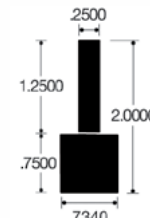
C-3009

Newel Anchoring
Hardware



C-3032

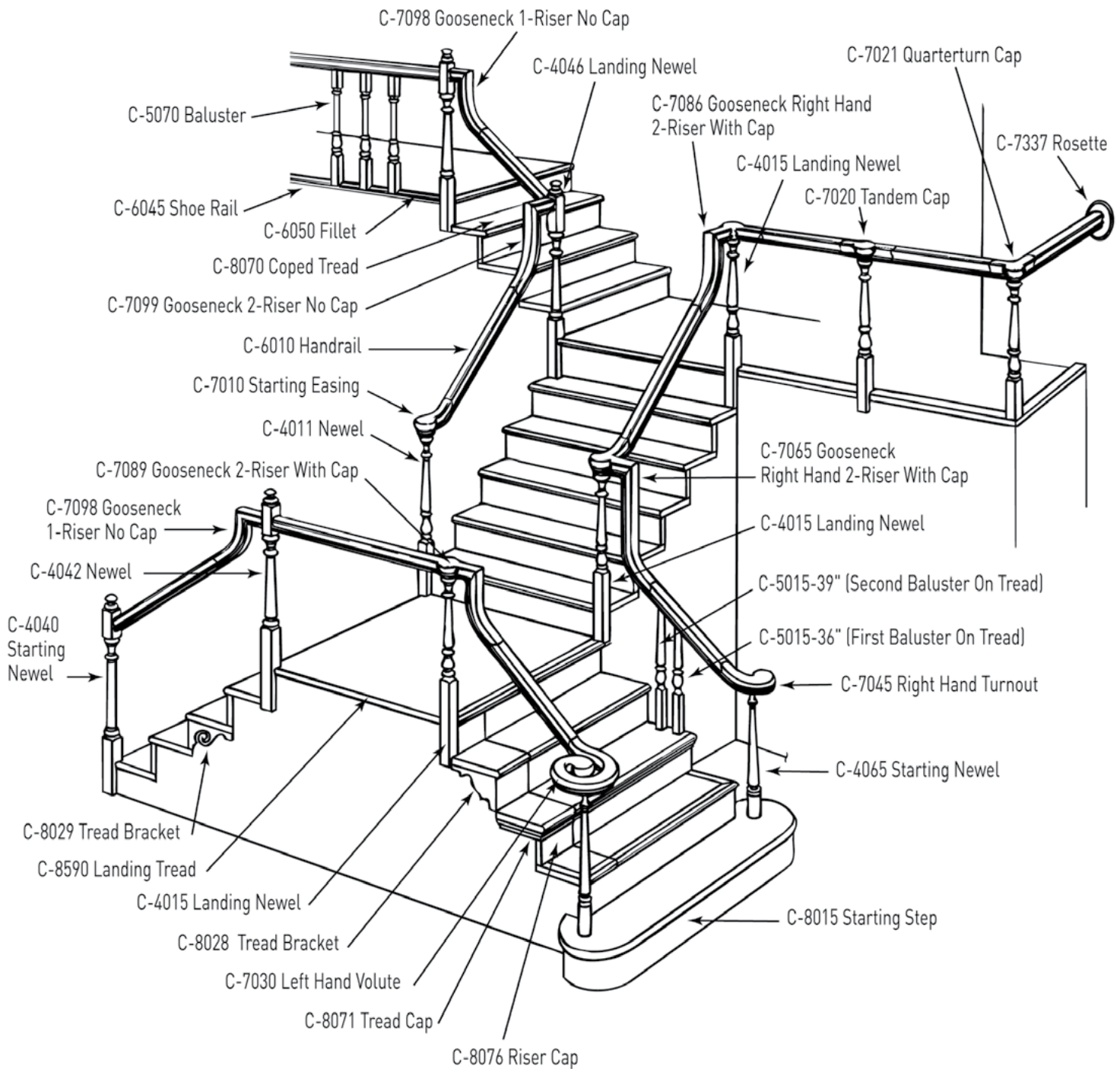
Rail Bolt Driver



RP-100

Removable
Pin
(LB Balusters)

Stair Anatomy

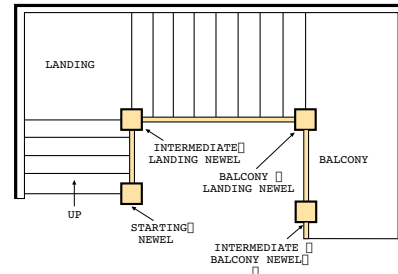


Ordering Specifications for Newels

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

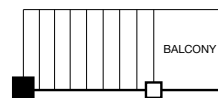


PTP newels are designed with upper (top) square blocks that will receive the handrail. Standard block sizes (5", 10" and 13") are provided for use at various locations of the stair.



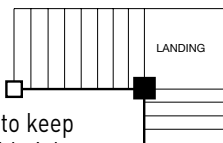
STARTING NEWELS

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



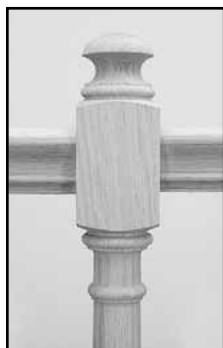
INTERMEDIATE LANDING NEWELS

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.



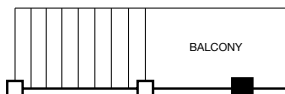
BALCONY LANDING NEWELS

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.

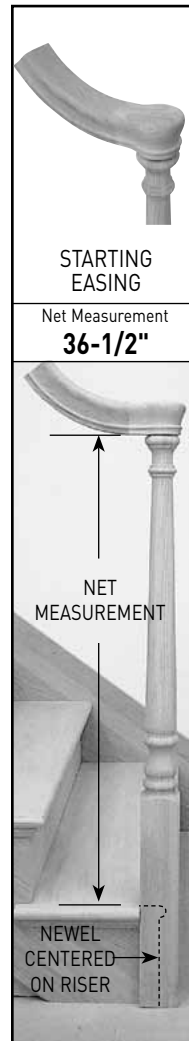
OVER-THE-POST NEWELS

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.

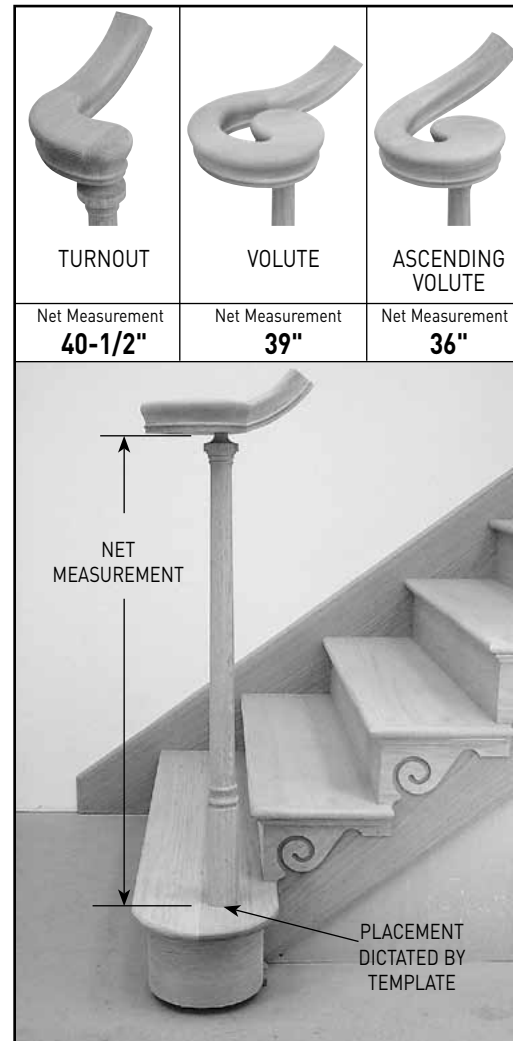
OTP STARTING NEWEL HEIGHTS (For 34" Rake Rail Height)



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.



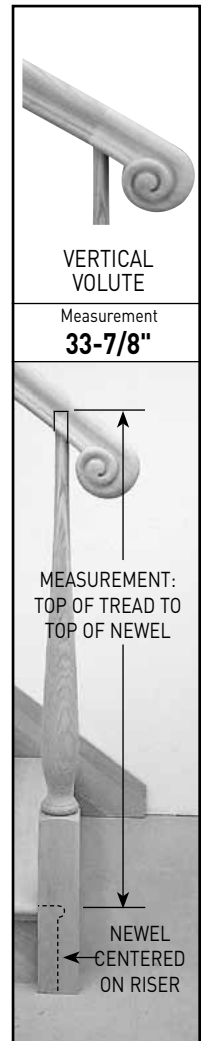
STARTING EASING
Net Measurement
36-1/2"



TURNOUT
Net Measurement
40-1/2"

VOLUTE
Net Measurement
39"

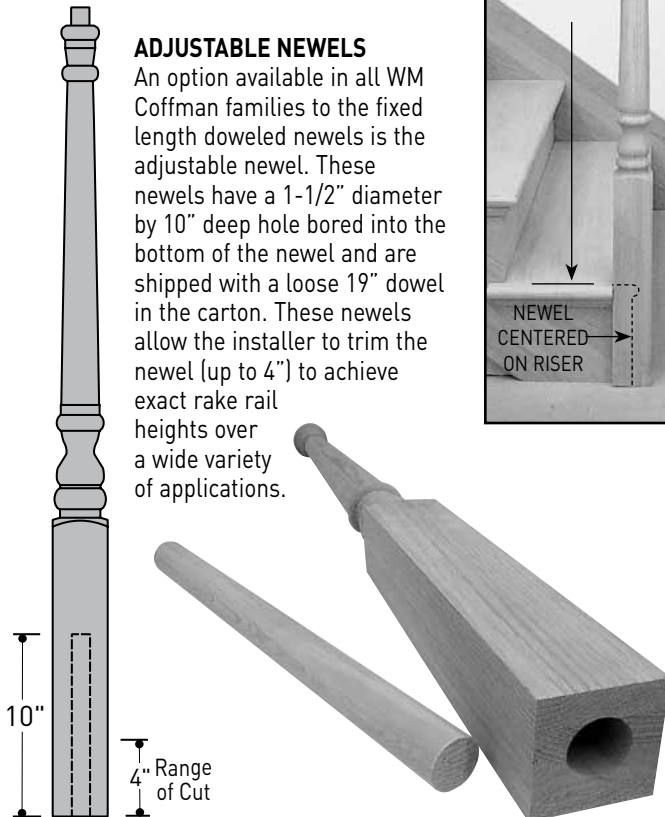
ASCENDING VOLUTE
Net Measurement
36"



VERTICAL VOLUTE
Measurement
33-7/8"

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 Balusters

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.

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

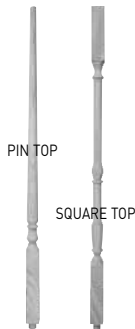
				
STARTING EASING	TURNOUT	VOLUTE	ASCENDING VOLUTE	VERTICAL VOLUTE
BALUSTERS UNDER STARTING FITTINGS				
QUANTITY - 1	QUANTITY - 2 C-7240, C-7245	QUANTITY - 6 1-1/4" SQUARE	QUANTITY - 6 1-1/4" SQUARE	QUANTITY - 1
	QUANTITY - 1 C-7241, C-7246	QUANTITY - 5 1-3/4" SQUARE	QUANTITY - 5 1-3/4" SQUARE	
LENGTH 39"	LENGTH 43"	LENGTH 41"	LENGTH 39"	LENGTH 39"

BALUSTERS ON TREADS

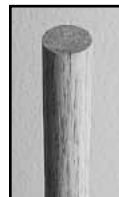
		
FRONT BALUSTER - 36"	SECOND BALUSTER - 39"	THIRD BALUSTER (optional) - 41"

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.

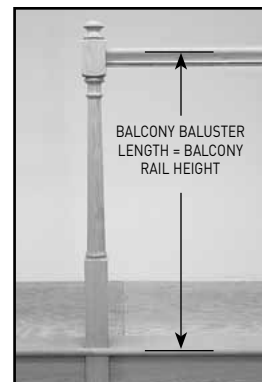
- 1-1/4" Baluster - 5/8" diameter
- 1-5/8" Baluster - 5/8" diameter
- 1-3/4" Baluster - 3/4" diameter
(except C-5611 which is 5/8")
- 1-9/16" Baluster - 3/4" diameter
- Forged - 1/2" diameter

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

	
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 Rails

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:

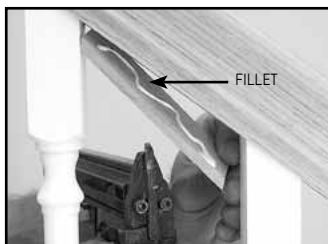
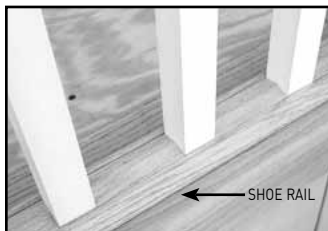
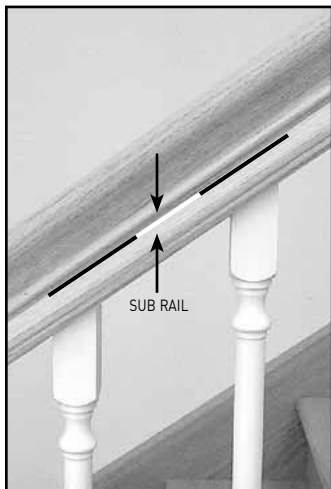
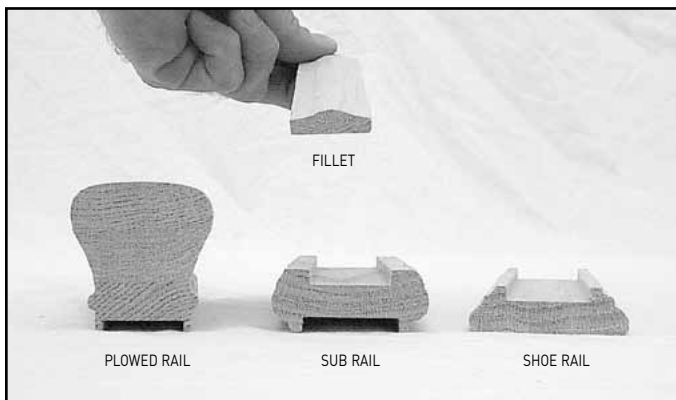
Number of Treads x 13" (rounded up to the nearest even length).



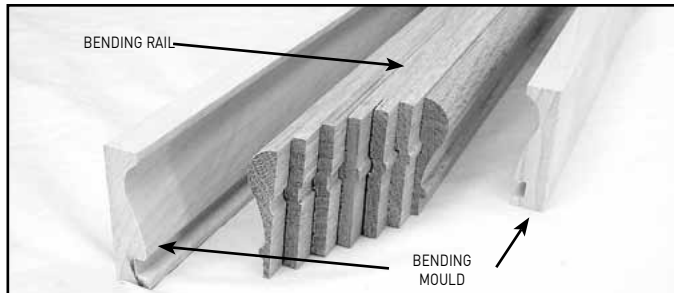
PLOWED RAIL is moulded with a recessed bottom for insertion of square top balusters.

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 plies. 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
TRADITIONAL C-6016	42"	48"
BRISTOL C-6116	48"	54"
CLASSIC C-6216	48"	54"
RICHMOND C-6416	48"	54"
MARION C-6716	48"	54"
CHIPPENDALE C-6716	48"	54"

Ordering Specifications for Fittings

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

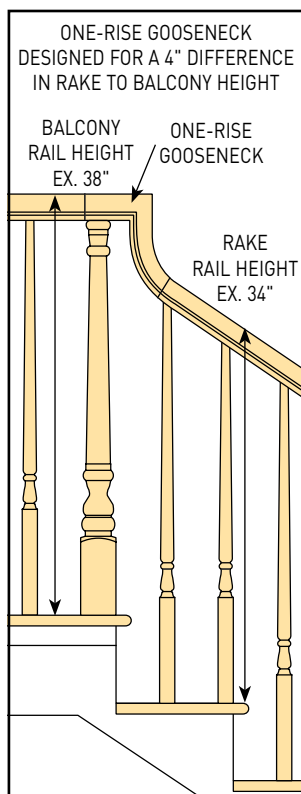
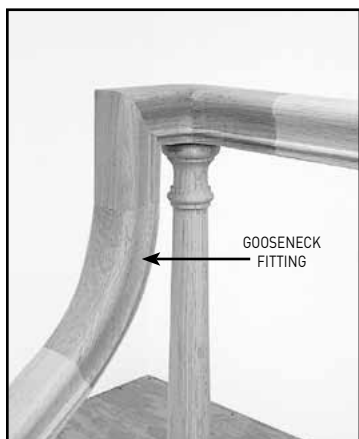
Fitting orientation is determined from the bottom of the stair looking up. All fittings in the photo to the right are right-hand.



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.



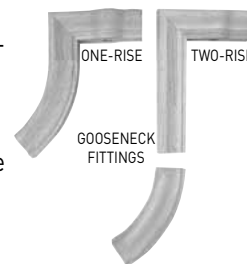
CAP VS. NO CAP

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

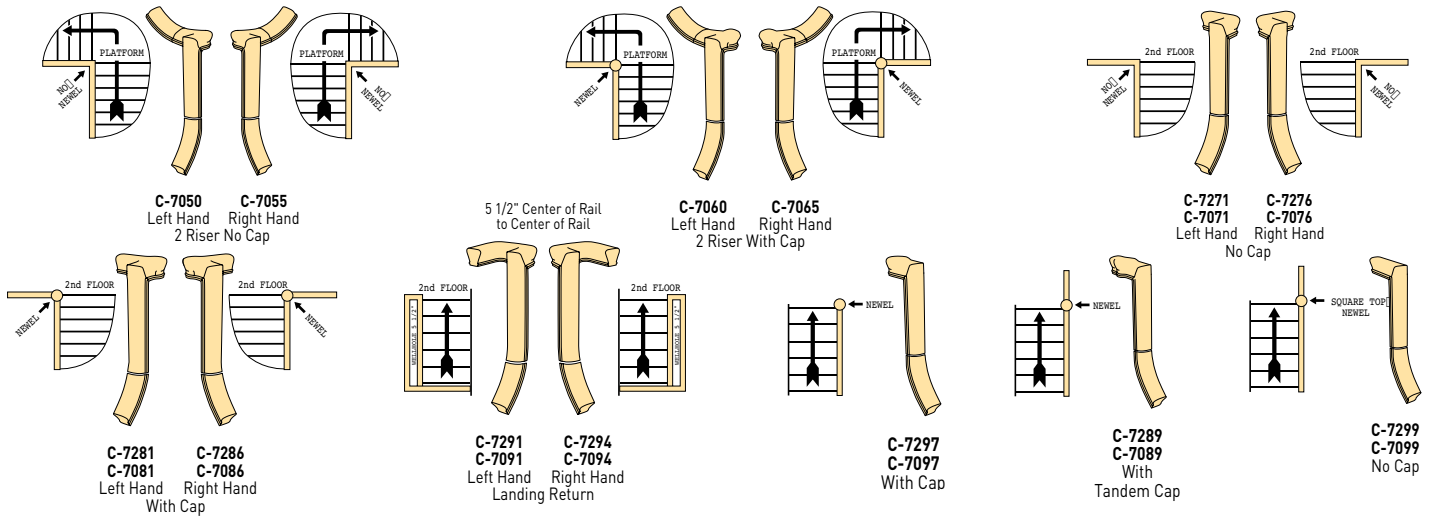
Most goosenecks are offered in both one-rise and two-rise versions. The one-rise gooseneck is manufactured with the lower easing attached and is limited to use on stairs where the difference in rake rail height to balcony rail height is 4" (Example: 34" rake rail height to 38" balcony rail height). The 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 Fittings

Check local building codes for required height and baluster spacing.

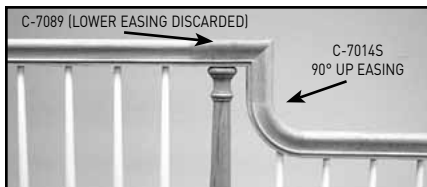
SUGGESTED GOOSENECKS FOR SOME COMMON APPLICATIONS



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.

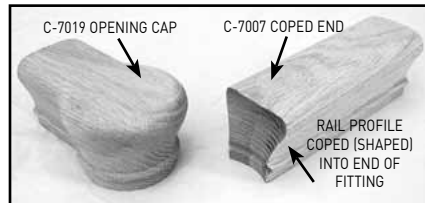


90° UP EASING

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

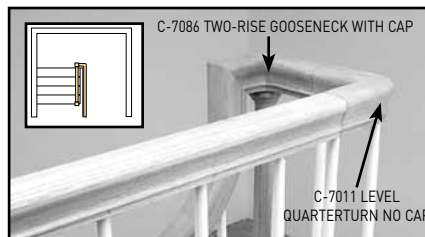
S-SERIES FITTINGS

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

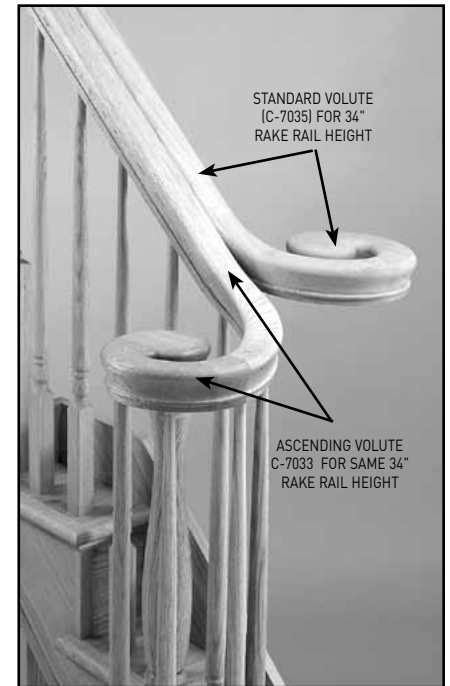
Some WM Coffman families contain a Coped End which is a fitting that has the profile of the rail shaped, or coped, into one end of a straight piece of rail. This fitting is used in conjunction with an opening cap (Example C-7019) or a gooseneck incorporating an opening cap (Example C-7097), to accommodate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

“The Americans with Disabilities Act (ADA)” Compliant Components

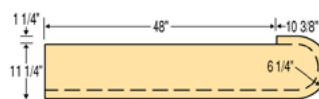


The following WM Coffman components are in compliance with the 2010 ADA Standards for Accessible Design:

Stair Component	Page
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STARTING STEPS

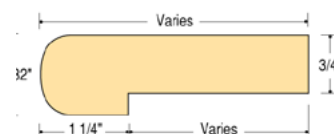
C-8010	28
C-8015	28
C-8016	28
C-8030	28
C-8050	28



Shown here: C-8010

TREADS AND RISERS

C-8070 (1- 1/32" x 11-1/2" and 13")	29
C-8070 MR (1-1/32" x 11-1/2")	29
C-8070 MR45 (3/4" x 11-1/2")	29
C-8090 / C-8590 / C-8690 Landing Tread	29
C-8080 Nosing (all)	29
C-8081 Nosing and Cove (all)	29



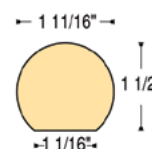
Shown here: C-8090 /
C-8590 / C-8690
Landing Tread

WALL RAILS

C-6040 Hand Rail	25
C-6042 Hand Rail	25

WALL RAIL BRACKETS

C-3611	25
C-3621	25
C-3622	25
C-3631	25
C-3632	25



Shown here: C-6040
Hand Rail



Shown here: C-3611

FITTINGS

C-7005	25
C-7023	25
C-7024	25
C-7025	25



Shown here: C-7005

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ITEM	PAGE	ITEM	PAGE	ITEM	PAGE	ITEM	PAGE
IRON COLLECTION		4015-----	14	4446-----	22	6110-----	12,13,18, 27
2XXX-----	3-10	4017-----	14	4535-----	14	6116-----	18
ACCESSORIES		4019-----	14	4540-----	15	6210-----	11,16, 17, 26
23XX-----	10	4030-----	14	4542-----	15	6216-----	16,17,21
29XX-----	10	4035-----	14	4545-----	15	6410-----	22,27
3000-----	30	4038-----	14	4546-----	15	6416-----	22
3001-----	30	4039-----	14	4547-----	15	6700-----	13,24
3008-----	30	4040-----	15	4548-----	15	6716-----	19,20
3009-----	30	4040BT-----	15	4550BT-----	15	6719-----	19,20,27
3010-----	30	4042-----	15	4555BT-----	15	6810-----	21,27
3015-----	30	4042BT-----	15	4556BT-----	15	6816-----	21
3020-----	30	4045-----	15	4662-----	16	FITTINGS	
3032-----	30	4045BT-----	15	4690-----	13	70XX-----	25,26
3099-----	30	4046-----	15	4691-----	13	71XX-----	27
3201-----	30	4046BT-----	15	4695-----	12,22	72XX-----	26
3203-----	30	4046SBT-----	15	4810-----	21	74XX-----	27
3203B-----	30	4055-----	15	4815-----	21	77XX-----	27
3283-----	30	4055BT-----	15	4840-----	21	78XX-----	27
3284-----	30	4065-----	14	4845-----	21	7005-----	25
3301-----	30	4070-----	23	4862-----	21	7023-----	25
3302-----	30	4072-----	23	4890-----	13	7024-----	25
3501-----	30	4073-----	23	4891-----	13	7025-----	25
3505-----	30	4073L-----	23	BALUSTERS		STARTING STEPS	
3520-----	30	4074-----	24	24XX-----	9	8010-----	14,16,28
3611-----	25	4074EE-----	24	25XX-----	5,6,7	8010-2-----	29
3621-----	25	4075-----	11	26XX-----	9	8011-----	29
3622-----	25	4076-----	24	27XX-----	4,5	8015-----	28
3631-----	25	4076EE-----	24	28XX-----	8	8016-----	28
3632-----	25	4077-----	12	29XX-----	4,5,6,7,8	8030-----	28
3901-----	30	4090-----	12	5005-----	23	8050-----	28
7217-----	25	4091-----	11	5015-----	14	TREADS, RISERS, and TREAD ACCESSORIES	
7237-----	25	4091-KIT-----	9	5040-----	14	6973-----	29
7317-----	25	4095-----	12	5060-----	24	6975-----	29
7318-----	25	4099-----	13	5060EE-----	24	8070-----	29
7337-----	25	4111-----	18	5067-----	15	8071-----	29
8028-----	29	4115-----	18	5070-----	15	8072-----	29
8029-----	21,29	4119-----	18	5105-----	15	8075-----	29
400476-----	30	4162-----	18	5141-----	13,18	8076-----	29
596000-----	30	4172-----	18	5151-----	12,18	8079-----	29
EZM-01-----	30	4175-----	18	5201-----	20	8080-----	29
RP-100-----	30	4176-----	18	5211-----	20	8080-13-----	29
NEWELS		4179-----	18	5241-----	19	8080MR-----	29
2450-----	9	4210-----	16	5251-----	19	8081-----	29
2452-----	9	4215-----	16	5341-----	22	8085-----	29
2940-----	9	4240-----	17	5360-----	12,23,24	8090-----	29
2942-----	9	4242-----	17	5360EE-----	24	8095-----	29
4001-----	17,23	4245-----	17	5601-----	11,17,23	8590-----	29
4002-----	17,23	4252-----	20	5610-----	14	8596-----	29
4003-----	17,23	4257-----	19	5611-----	16	8690-----	29
4003L-----	17,23	4270-----	20	5845-----	21	MISCELLANEOUS	
4004-----	17,23	4272-----	19	RAIL, SHOE and FILLET		Company Policies-----	2
4004BT-----	17,23	4275-----	20	6001-----	24	Finishes / Species-----	3
4005-----	17,23	4277-----	19	6002-----	24	Stair Anatomy-----	31
4005BT-----	17,23	4280-----	20	6005P1-----	23	Ordering Specifications-----	32-37
4006-----	17,23	4282-----	19	6006-----	17,18,19, 20, 22, 23, 25	ADA Compliant Components-----	38
4007-----	17	4282L-----	19	6007-----	17,18,19, 20, 22, 23, 25		
4008-----	17	4285-----	20	6010-----	14,15,26		
4009-----	17	4287-----	19	6016-----	14		
4010-----	14	4291-ADJ-----	11	6040-----	25		
4011-----	14	4410-----	22	6042-----	25		
4014-----	14	4415-----	22	6045-----	15		
		4419-----	22	6050-----	15		
		4440-----	22				
		4442-----	22				
		4445-----	22				



Corporate Office

WM Coffman Resources, LLC
2603 Technology Dr.
Plano, TX 75074

Plano Distribution Center

WM Coffman Resources, LLC
2603 Technology Dr.
Plano, TX 75074

Austell Distribution Center

WM Coffman Resources, LLC
8080 Troon Circle, Suite 180
Austell, GA 30168

Customer Service

800-810-9204
Mon - Fri / 7:00 - 4:30 CST
sales@wm-coffman.com / www.wm-coffman.com