Cooper stair Mainworks parts

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RAIL 6009 Sapele

BALUSTERS 5060 1-1/4" Primed

BOX NEWEL 4093 Recessed Panel Primed w/Sapele Cap & Bead

Cover Photo:

RAIL 6014 Sapele, Plowed

BALUSTERS 5360 Chamfered Primed

BOX NEWELS 4093 Recessed Panel Primed w/Sapele Cap & Bead



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We are committed to continuing the tradition of fine American manufacturing. Cooper Stair Parts are manufactured in Somerset, MA.

Wood Species

All stair parts in this brochure are made at our factory (unless otherwise noted) and are available in the species below. When your project requires a specific species not shown, let us call on our lumber suppliers from all over the globe to find it.

Red Oak	White Oak	Sapele Mahogany or Utile*	Maple	Southern Yellow Pine	Cherry	Jatoba	Poplar	Reclaimed Wood

*Sapele and Utile (also known as Sipo) are closely related to genuine Mahogany and commonly used interchangeably in carpentry.

RAIL 6014 Sapele

BALUSTERS Fitts 5415 Primed NEWEL POSTS Fitts 4410 Primed Maple

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Handrail and Fittings.

A PERFECTLY DESIGNED HANDRAIL PROFILE STRIKES A DELICATE BALANCE BETWEEN FORM AND FUNCTION. A SAFE HANDRAIL MUST BE EASY TO GRASP BY ANY SIZE HAND. A BEAUTIFUL HANDRAIL MIRRORS THE OTHER ARCHITECTURAL ELEMENTS OF THE HOME AND LOOKS STUNNING FROM BOTH ABOVE AND BELOW. WE ARE PROUD TO OFFER THE FOLLOWING SELECTION OF WELL DESIGNED HANDRAIL PROFILES. ALL HANDRAIL AND FITTINGS ARE MADE IN OUR OWN SHOP AND AVAILABLE IN MANY WOOD SPECIES.

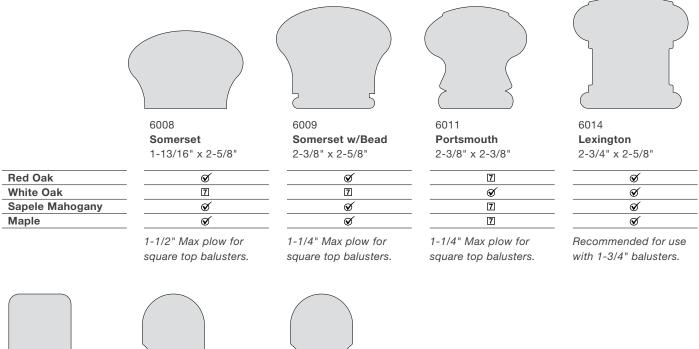
> RAIL 6014 Red Oak BALUSTERS Fitts 5415 Fluted Primed NEWEL POST Fitts 4410 Fluted Red Oak

VOLUTE 6014 Sapele

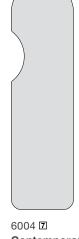
Cooper Stair Parts | page 3

Handrail Profiles.

Profiles below are available in the following lengths: 4', 6', 8', 10', 12', 14', and 16'.







6004 IZI Contemporary with 1 Finger Groove 1-1/2" x 5-1/2"



6004-2 2 Contemporary with 2 Finger Grooves 1-1/2" x 5-1/2"

6000 🗹 **Contemporary** 1-1/2" x 2-5/8" Recommended for use with 1-3/4" balusters. 1-3/4" Max plow for square top balusters.



6000A 🗹 Contemporary

1-1/2" x 2-5/8" Recommended for use with 1-3/4" balusters. 1-3/4" Max plow for square top balusters.

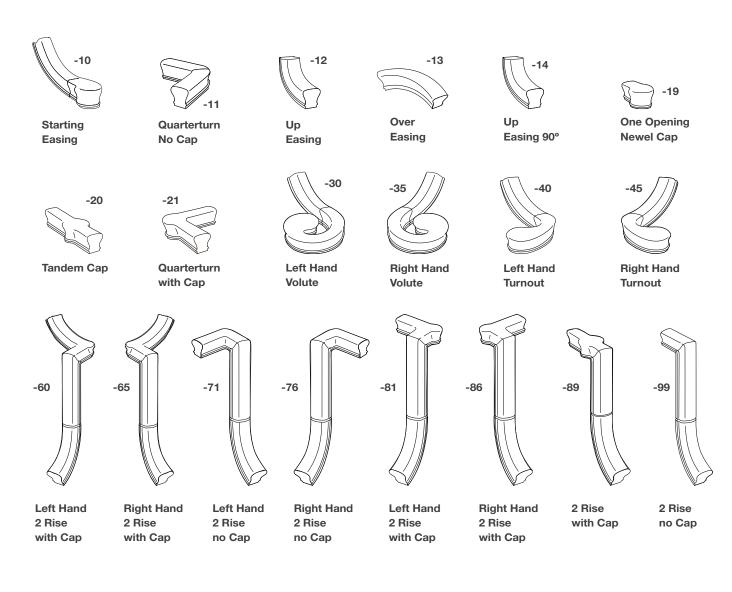


CUSTOM CURVED HANDRAIL

Our CAD department and state-of-the-art CNC machines work together to create custom curved handrails in any profile and species. Simply provide us with a drawing or template and we will create the perfect custom curved rail for your project.

Fittings and Goosenecks.

Fitting diagrams are used to show function of fitting only and do not depict actual rail profile.



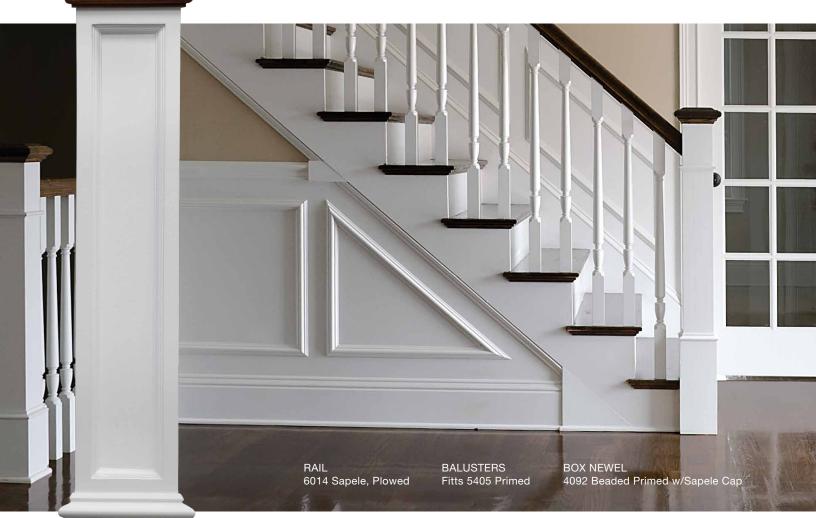
AVAILABILITY

The fittings above are available in most wood species in the following handrail profiles. When ordering, please use the 4-digit handrail code followed by the 2-digit fitting code. For example a Starting Easing in Lexington would be 6014-10.

	6014	6011	6008	6009
	Lexington	Portsmouth	Somerset	Somerset w/Bead
Red Oak	Ø	5	5	5
White Oak	<u> </u>	5	5	5
Sapele Mahogany	<u> </u>	5	5	5
Maple	5	5	5	5

Box Newels.

FROM A CENTURIES-OLD FARMHOUSE IN CANTERBURY, NH TO AN ORNATE VICTORIAN ON THE EAST SIDE OF PROVIDENCE, RI. FROM A CLASSIC COLONIAL IN CAMBRIDGE, MA TO AN OCEANFRONT COTTAGE IN PORTLAND, ME. COOPER BOX NEWELS COMPLEMENT ALMOST ANY ARCHITECTURAL STYLE FOUND IN HOMES THROUGHOUT NEW ENGLAND AND BEYOND.





PACKAGING

Each end of the post has a custom fitted protective cap that suspends the newel in the box. Our double wall corrugated cardboard boxes enable us to safely ship our newels and assure they arrive in perfect condition.

RAIL 6210 Sapele

7 -

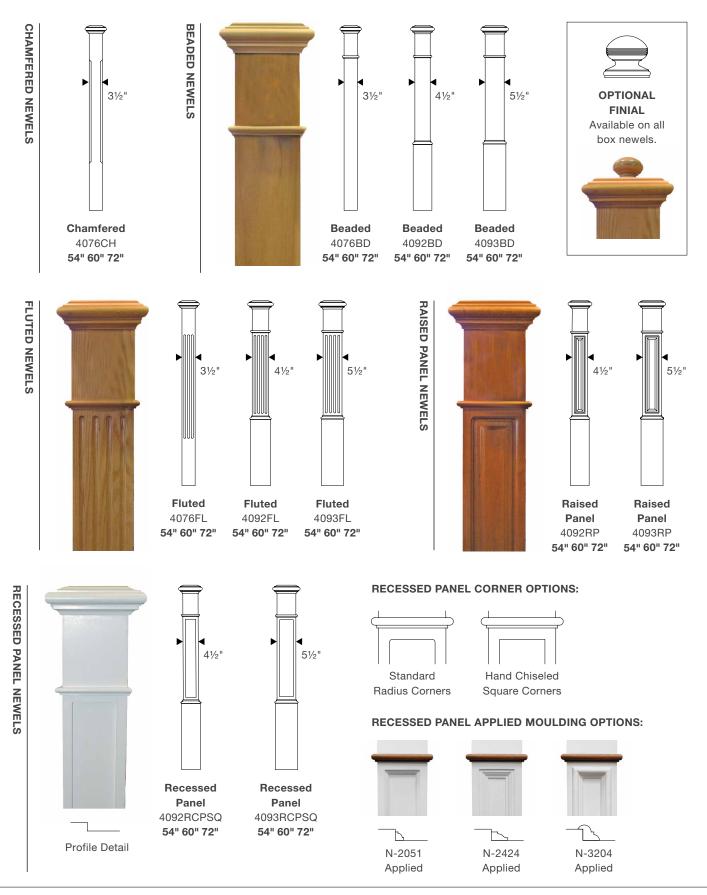
BALUSTERS Fitts 5415 Primed T

-

BOX NEWELS 4093 Beaded Primed

Standard Box Newels.

All box newels are solid throughout. Available in Red Oak, Poplar, Primed, Sapele, Maple, or any custom species.





Custom Newels.

LET US HELP YOU MAKE YOUR STAIR TRULY ONE-OF-A-KIND. SIMPLY PROVIDE US WITH A DRAWING OR SKETCH AND OUR CRAFTSMEN WILL CREATE CUSTOM NEWEL POSTS AND BALUSTERS IN YOUR CHOICE OF WOOD SPECIES.



Mix and Match Species



Custom Caps



Custom Panels



Custom Turned Newels

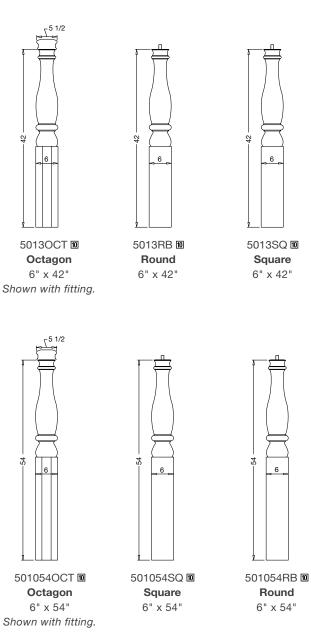
Legacy Newels.

YOU LOVE THE SEAMLESS LOOK OF OVER-THE-POST STAIRCASE CONSTRUCTION, BUT ALSO WANT A STARTING NEWEL THAT MAKES A BOLD STATEMENT. THE COOPER STAIRWORKS SIGNATURE LEGACY NEWEL CAN TRANSFORM AN ORDINARY ENTRYWAY INTO A GRAND FOYER.

> RAIL 6014 Mahogany

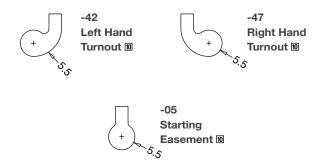
BALUSTERS 2615 Primed NEWEL POSTS Custom 5010 Octagon Mahogany

All Legacy newels are made-to-order and available in any wood species (see page 1).



FITTINGS

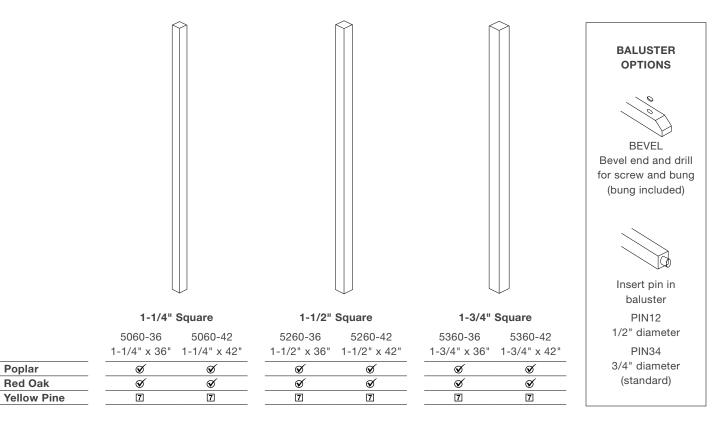
Fittings available in the following handrail profiles: Lexington, Somerset, Somerset with Bead, and Portsmouth (see page 4 for handrail profiles).





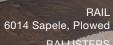


Square Balusters.



Poplar

RAIL 6009 Sapele, Plowed BALUSTERS 5060 Primed NEWEL POST Fitts 4010 Beech Primed



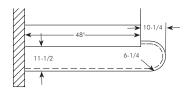
BALUSTERS 5360 Chamfered Primed

BOX NEWELS 4093 Recessed Panel Primed w/Sapele Cap & Bead

Treads and Risers.

Starting Steps.

Treads available in any species (see page 1) with matching, paint grade, or primed riser. Includes cove moulding to match riser material. Standard 1-1/16" tread and 3/4" riser with 1-1/8" tread overhang. Please note that 3/4" tread available, however not guaranteed for treads wider than 12-1/2". Please specify tread length, 48" step is standard.



8010 Single Bullnose

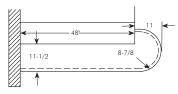
Red Oak Tread w/Oak Riser 𝒞

Red Oak Tread w/Paint Grade Riser 𝒞

Specify left or right hand.

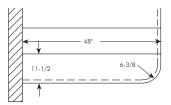
11-1/2

Double Bullnose 5



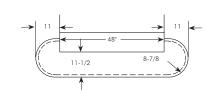
8030 Single Bullnose Half Circle 5

Specify left or right hand.



8040 Single End Quarter Circle 5





8050

Double Bullnose

Half Circle 5

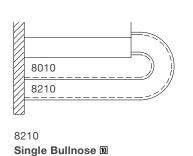
8060 Double End Quarter Circle 5

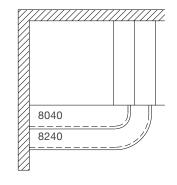
STACKED STARTING STEPS

8015

Please specify run (measured from riser to riser), rise (measured from tread to tread), and species (see page 1). Please note that 3/4" tread available, however not guaranteed for treads wider than 12-1/2".

6-1/





8240 Single End Quarter Circle 10



Treads.



Standard Tread

Nosed one edge, square three sides, sanded face



Returned Tread Nosed two edges, sanded face (Note: LH Shown)

				S							URNED READS
	Red Oak	Red Oak Good two sides	White Oak Plain Sawn	Maple	Yellow Pine 1" finish thickness	Yellow Pine #2 Grade 1 " finish thickness	Plywood 3/4" CDX	Cherry	Jatoba	Red Oak w/returned end specify LH or RH	Red Oak reversible w/returned end
3/4" x 10-1/2"											
36"	Q	SP	SP	SP	Ø	SP	SP	SP	SP	SP	SP
42"	Ø	SP	SP	SP	Ø	SP	SP	SP	SP	- <u> </u>	Ø
48"	Ø	SP	SP	SP	Ø	SP	SP	SP	SP		Ø
60"	Ś	SP	SP	SP	SP	SP	SP	SP	SP		SP
72"	SP	SP	SP	SP	Ø	SP	SP	SP	SP	SP	SP
3/4" x 11-1/2"											
36"	Ø	sp	SP	SP	Ø	SP	Ø	SP	SP	SP	SP
42"	- Ø	(SP)	Ø	Ø	Ø	(SP)	ø	(SP)	(SP)	<u> </u>	Ø
48"	- S	SP	Ś	Ø	Ø	SP	Ø	SP	SP		<u> </u>
54"	<u> </u>	(SP)		Ø	Ø	SP	Ø	SP	(SP)		SP
60"	<u> </u>	Ø	Ø	SP	Ø	SP	Ø	(SP)	(SP)		(SP)
72"	- v			Ø	Ø	(SP)	SP	(SP)			SP
1-1/16" x 10-1/2"											
36"	Ø	SP	SP	SP	Ø	SP	SP	SP	SP	SP	SP
42"	- S	SP	SP	SP	Ø	Ø	SP	SP	SP	<u> </u>	Ø
48"	<u> </u>	(SP)	SP	(SP)	Ø	Ø	SP	(SP)			<u> </u>
54"	Ø	SP	SP	SP	SP	SP	SP	SP	SP		SP
60"	- Ø	SP		(SP)		SP	SP	(SP)	(SP)	<u> </u>	SP
1-1/16" x 11-1/2"											
36"	Q	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
42"	<u> </u>		Ø	Ø	Ø	SP	SP	(SP)		<u> </u>	Ø
48"	- v		Ø	Ø	Ø	(SP)	SP	(SP)	(SP)		<u> </u>
54"	<u> </u>		- Ø	Ø	<u> </u>	SP	SP	(SP)		- <u> </u>	SP
60"	<u> </u>	Ø		(SP)	<u> </u>	SP	SP	SP	SP	- <u> </u>	Ø
72"	<u> </u>	SP	Ø	Ø	SP	SP	SP	(SP)	SP		SP SP
1-1/16" x 28"		~			~	~	~	~	~		~
72" (for curved tread,	Q	SP	P	SP	SP	(SP)	SP	P	SP	(SP)	(P)
square 4 sides)											

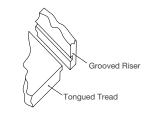
Risers.



Riser S4S with sanded face

	7-7/8" HEIGHT			8" HEIGHT	9-1/4" HEIGHT		
	Red Oak	Yellow Pine	Plywood	Poplar	Poplar	Clear Pine	Primed and Finger Jointed
3/4" x 38"	4	Ø	Ø	4	4	4	4
3/4" x 42"	Q	Q	Q	Ø	Q	4	4
3/4" x 48"	Q	Q	Q	Ø	Q	4	4
3/4" x 54"	Q	Q	Ś	Ø	4	4	4
3/4" x 60"	Q	Q	Ś	Ø	4	4	4

TREAD AND RISER SERVICES

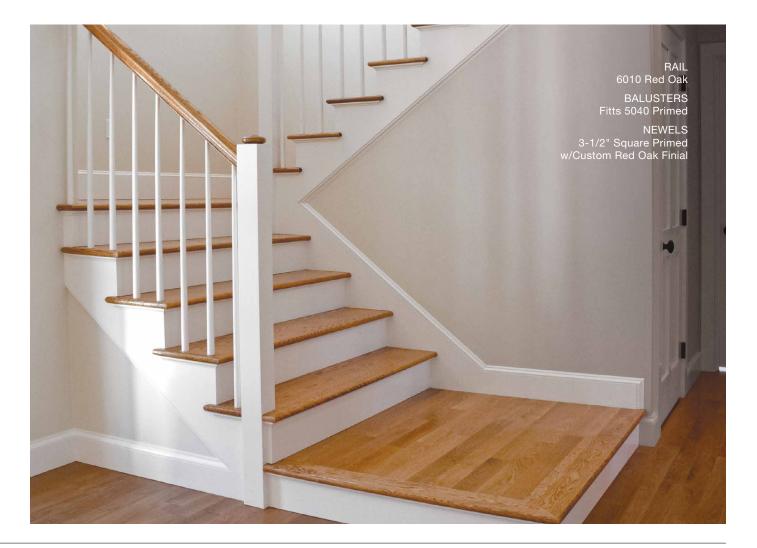


TONGUE TREAD Not available on stock returned treads.

GROOVE RISER

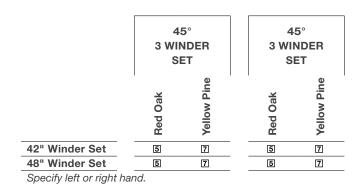
RIP TREAD Specify width.

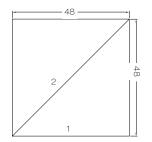
RETURN TREAD One or both ends, specify L or R. Add to any stock tread. Can be returned at any length. Returns coped to match tread.



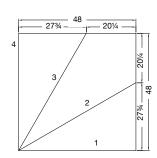
Winder Treads.

Winder treads are 3/4" or 1-1/32" thick. Custom winder treads are available in your choice of species (see page 1). Custom winders require a template and will be made 2" oversize. Winders over 8.75 sq ft are not guaranteed.

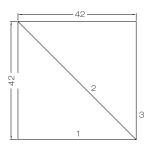




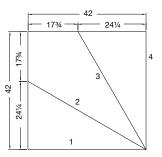
2 Winder Set 45° Left Hand



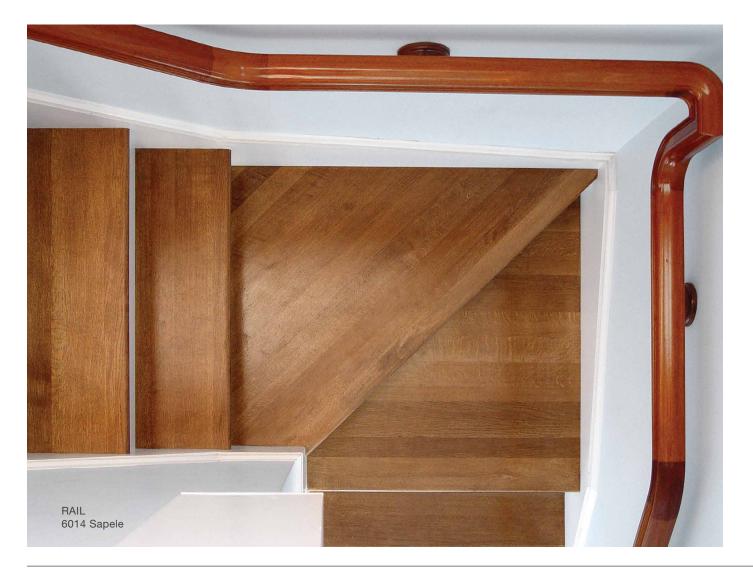
3 Winder Set 30° Left Hand



2 Winder Set 45° Right Hand



3 Winder Set 30° Right Hand



Nosing, Cove, and Landing Tread.

3/4" Return Nosing

Red Oak 𝒴 3/4" x 1-1/32" x 13" ORETURN34

White Oak 𝒴 3/4" x 1-1/32" x 13" WRETURN34 1-1/32" Return Nosing

Red Oak 𝗭 1-1/32" x 1-1/4" x 13"

ORETURN **Maple T** 1-1/32" x 1-1/4" x 13" MRETURN

White Oak & 1-1/32" x 1-1/4" x 13" WRETURN

Red Oak S

OLAND116

Maple &

MLAND116

Southern

PLAND116

3/4" x 4-1/4"

Red Oak S

OLAND34

Landing Tread

(sold by the linear ft)

Yellow Pine 𝔄



5/8" x 3/4" Cove (sold by the linear ft)

Red Oak 𝒞 OCOVE

Clear Pine 🗹 WM96

Primed Poplar 𝒞 WM96PRIMED

Maple Cove 𝒞 MCOVE

Jatoba ⊗ JCOVE

White Oak & WCOVE

Cherry 𝒞 CCOVE

Sapele Mahogany Ø SCOVE
 1-1/16" x 4-1/4"
 1-1/16" x 5-1/2"

 Landing Tread
 Landing Tread

 (sold by the linear ft)
 (sold by the linear ft)

Red Oak & OLAND512

Maple 𝒞 MLAND512

Jatoba 𝝼 JLAND512

White Oak & WLAND512

Cherry 𝒴 CLAND512

3/4" x 5-1/2" Landing Tread (sold by the linear ft)

Red Oak ⊗ 34512OAK

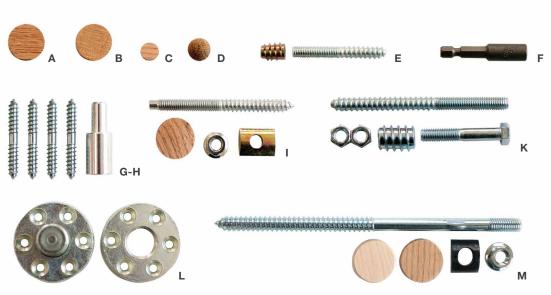
White Oak & 34512WO

Maple 𝒴 34512MAP

Southern Yellow Pine 𝒞 34512SYP



Accessories.





J

Universal Building Systems Mpts.





A. Oak Plug 1" 𝗭 F3000 RPLUG

B. Beech Plug 1" 𝒴 F3000 RPLUGB

C. Oak Bung 3/8" S BUNG

D. Oak Button 3/8" 𝒞 BUTTON

E. Baluster Screw & Threaded Insert & 1/4" x 2" BFASTENER

Standard

Brass Ø

HBRKSN

HBRKORB

HBRK

Wall Bracket

Satin Nickel &

F. Baluster Bolt Driver ⊗ BBDRIVER

G. Baluster Fastening Kit 𝒴 1 driver, 4 baluster screws F3009 BFKIT

H. Baluster Screw 𝒴 F3003

I. Rail Bolt 𝞯 rail bolt, nut/washer, plug F3001 RBOLTPKG J. Rail Bolt Wrench 𝒞 F3011 UBSWRENCH

K. Newel Installation Kit Ø NIKIT

L. Fas-n-Fast 2" mewel post fastener FASNFAST

M. Sure-tite™ 1/2" x 11" 𝒞 newel post fastener F3005 SURETITE



N. Newel Plate Fastener & Includes 1 plate and 13 screws NPF



O. Newel L-Bracket Kit 𝒞
Includes 4 L-brackets
and 4 pieces oak trim
3" F3007 NLBRKTKITO
3-1/2" F3008 NLBRKKITO312

WALL BRACKETS



Heavy Duty Wall Bracket

Brass 𝒞 F3010 HDBRACKETBB

Satin Nickel 𝗭 F3010 HDHBRKSN

Oil Rubbed Bronze 𝒞 F3010 HDBRACKETORB Black 𝒞

F3010 HDHBRKBL



ROSETTE

Round Rosette 4-1/2" diameter 7017 Oak Ø

Gak ♥ Beech Ø Sapele Mahogany Ø Maple Ø Poplar 国



Oval Rosette 4" x 5-1/2" 7037 Oak Ø Beech Ø

Sapele Mahogany 𝒞 Maple 𝗭



Rectangle Rosette © 3-1/4" x 4-3/4" 7007 Oak 5 Sapele Mahogany 5 Maple 5 Poplar 5

Oil Rubbed Bronze 𝔄

Zipbolt Fasteners.



The ZIPBOLT[™] UT Rail Bolt uses the same hole boring configuration as traditional rail bolts, but its ease of installation makes it very different. The ZIPBOLT[™] UT one-piece totally integrated gear head replaces the old nut and washer making it quick and simple to join stair parts together using common bits and drivers. Instead of trying to fit a nut and wrench into a 1["] hole, the installer easily tightens the bolt with a hex driver bit and an adjustable torque drill or ratcheting screwdriver, or a simple allen wrench can be used.





A. ZIPBOLT[™] UT Rail Bolt 𝒞 Easily join rail segments and fittings. 2 Rail Bolts, 2 Plugs, 1 5mm Driver ZIPBOLT2

B. ZIPBOLT™ UT Micro Rail Bolt 𝔗 *A smaller version of the original ZIPBOLT™ UT Rail Bolt. Perfect for small round, and short profile rails.*



ZIPBOLT[™] Drill Guide *I* Optional tool for even quicker installation. Not for use with ZIPBOLT[™] Super UT. 1 Drill Guide, 1 Paddle Bit, 2 Drill Bits, 1 Storage Bag ZIPRBGUIDE



C. ZIPBOLT[™] Super UT 𝒴 Newel Post fastener 1 Bolt, 2 Plugs, 1 6mm Driver ZIPSUPER



E. ZIPBOLT™ UT Angled Slipfix Rail Bolt Ø For use with Angled Rail Bolt for post-to-post on stairs. 2 Rail Bolts, 2 Plugs, 1 5mm Driver ZIPSLIPA2



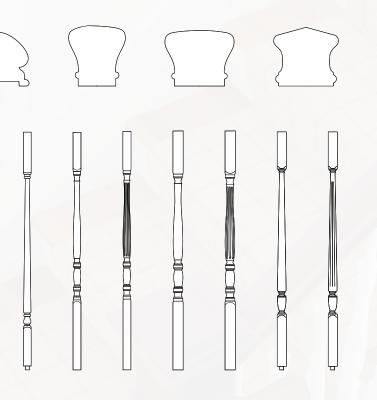
D. ZIPBOLT™ UT Slipfix Rail Bolt 𝒞
Post-to-post fastener for balconies.
2 Rail Bolts, 2 Plugs, 1 5mm Driver
ZIPSLIP2



F. ZIPBOLT™ UT Angled Rail Bolt 𝒞
For use with Angled Slipfix for post-to-post on stairs.
2 Rail Bolts, 2 Plugs, 1 5mm Driver ZIPUTAR2



IN ADDITION TO THE COOPER STAIR PARTS COLLECTION, WE ARE ALSO A FULL STOCKING DEALER OF FITTS STAIR COMPONENTS. FITTS OFFERS A WIDE VARIETY OF STAIR PARTS INCLUDING NEWEL POSTS, HARDWOOD AND IRON BALUSTERS, HANDRAIL, FITTINGS, AND MORE.





Please refer to the Fitts full line catalog for additional stair parts.

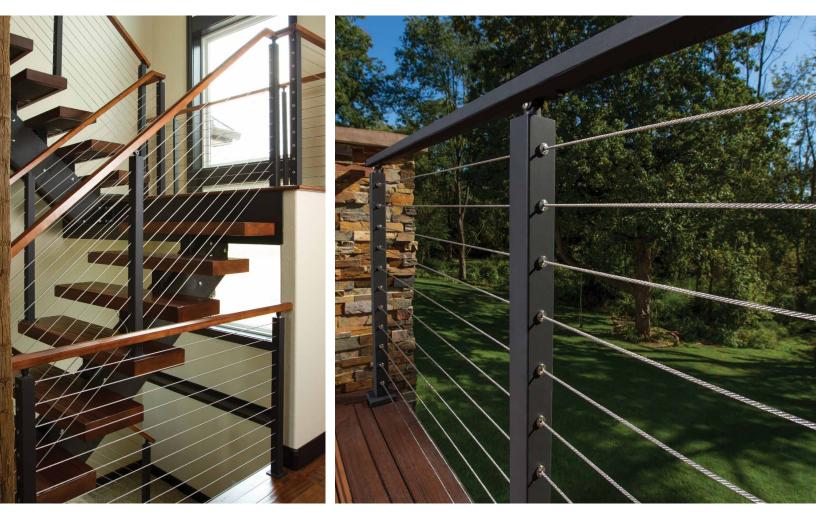


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ViewRail Cable Rail System.

THE VIEWRAIL SYSTEM COMBINES VALUE AND ELEGANCE LIKE NO OTHER CABLE RAIL SYSTEM. INNOVATIVE DESIGN ALLOWS ALL OF THE FASTENING HARDWARE TO BE HIDDEN INSIDE POSTS, SO ALL YOU SEE IS THE BEAUTY AND SIMPLICITY OF STAINLESS STEEL CABLE. INDOOR AND OUTDOOR STAIRS AND BALCONIES BECOME STATEMENTS OF MODERN ARCHITECTURE WITH THE SEAMLESS LOOK OF VIEWRAIL'S STAINLESS STEEL CABLE, GLASS PANELS, OR STAINLESS STEEL ROD RAIL SYSTEMS.





Horizontal Cable shown with wood posts and vinyl sleeves



Vertical Cable



Stainless Steel Rod



Glass Panels



Prefinishing.

LET US SAVE YOU A STEP BY PREFINISHING YOUR TREADS, RISERS, BALUSTERS, NEWEL POSTS, OR HANDRAIL FOR YOU. THE PROFESSIONALS IN OUR PREFINISHING DEPARTMENT CAN SAND AND APPLY A SMOOTH PRIMER OR DURABLE CLEAR COAT TO ANY OF OUR STAIR PARTS BEFORE THEY LEAVE THE PLANT. YOU'LL APPRECIATE THE TIME AND MONEY SAVED, YOUR CUSTOMERS WILL LOVE THE BEAUTY THAT ONLY A FACTORY-APPLIED SPRAY FINISH CAN DELIVER.







PREASSEMBLED STAIRS

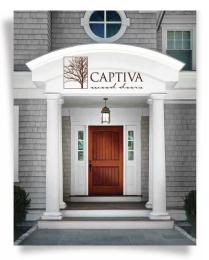
Whether you need a simple and safe utility stair to the basement, a curved pre-fit rail system, or an elaborate unsupported staircase, our team of experienced craftsmen can prove invaluable in timesaving service. Preassembled stairs are built quickly and efficiently in our state-of the-art plant in Somerset, MA and often times are more cost effective than site built stairs. We offer installation, free job site measurements and CAD design services. Stairs are shipped protected in cardboard and plastic so they can be installed once the house is weather tight and used during the construction process.

LEARN ABOUT OUR OTHER STAIR AND CUSTOM MILLWORK PRODUCTS:



Cooper Preassembled Stairs Made in our plant in Somerset, MA, Cooper Stairworks Preassembled Stairs save time and on-site labor costs by streamlining the stair building process.

www.cooperstairworks.com



Captiva Wood Doors

Captiva Custom Wood Doors are also handcrafted in our woodworking plant in Somerset, MA. Captiva Wood Doors are available in almost any species, size, shape, and design.

www.captivawooddoors.com



Architectural Mouldings Our Architectural Mouldings catalog showcases full scale drawings and 3D renderings of a collection of some of our most popular stock and custom moulding profiles.

RAIL 6009 Sapele BALUSTERS 5060 1-1/4" Primed

BOX NEWEL 4093 Recessed Panel Primed w/Sapele Cap & Bead

v. 2016

Cooper stair Naisworks parts



www.HornerMillwork.com 800.543.5403



HORNER MILLWORK

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HORNER COMMERCIAL SALES

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