

Inside This Catalog

ON THE LEVEL™

the bottom square of the baluster and the turned portion aligns on each tread. Balusters have a fixed dowel pin and should be trimmed from the top.



ON THE RISE™

the bottom square and the turned portion of the baluster align with the rake (rise) of the stairway. These balusters have a loose dowel pin and should be trimmed from the bottom. The turned portion of the baluster remains the same for all baluster sizes.



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STARTING A STAIRCASE SYSTEM

step 1

The first step in creating your stair system is choosing between an "over the post" or a "post to post" system (see pages 4 and 5).



step 2

Choose a wood or metal baluster design from pages 6 and 7.



step 3

Move to the catalog page that features that baluster. For wood balusters choose a rail from the list on the left side of each baluster page. For metal balusters choose a rail from page 52.



step 4

Choose your newels pictured with the baluster designs.



step 5

If your stair begins with a starting step go to page 56.

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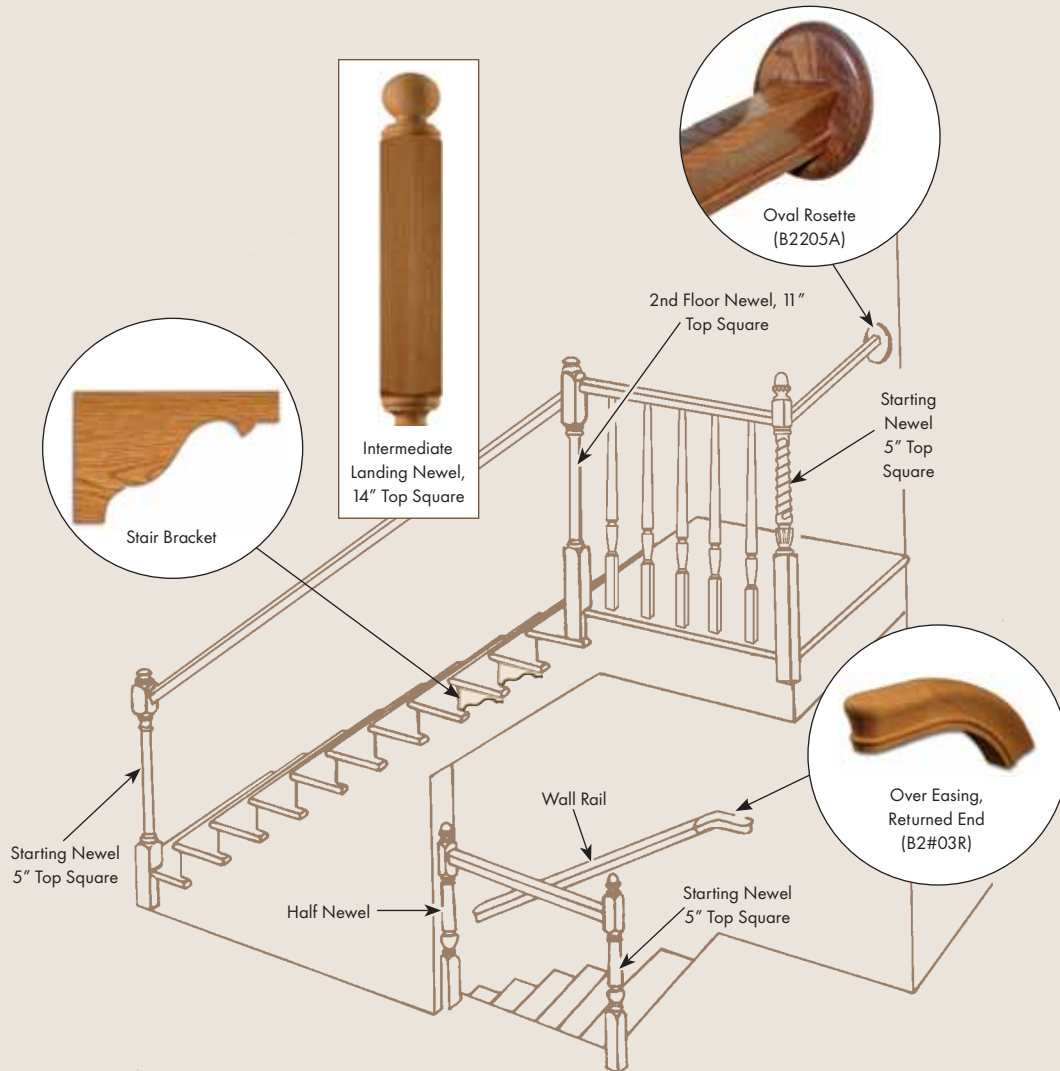
step 6

If you chose the "Over-the-Post" system then select the appropriate fittings from pages 53 and 54.



SELECTION GUIDE

POST TO POST



Post to Post Configurations

Starting Newels



Starting Newel
no Fitting



Starting Newel
with Fitting

Landing and Angle Newels



Landing Newel
(14" Square)
no Fitting



Angle Newel
(5" Square)
with Fitting

2nd Floor Newels



2nd Floor Newel
(11" Square)
no Fitting



Starting Newel
at 2nd Floor
(5" Square) with Fitting

Wood Specie Selection



Alder



Beech



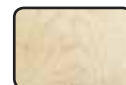
Brazilian Cherry



Cherry



Hickory

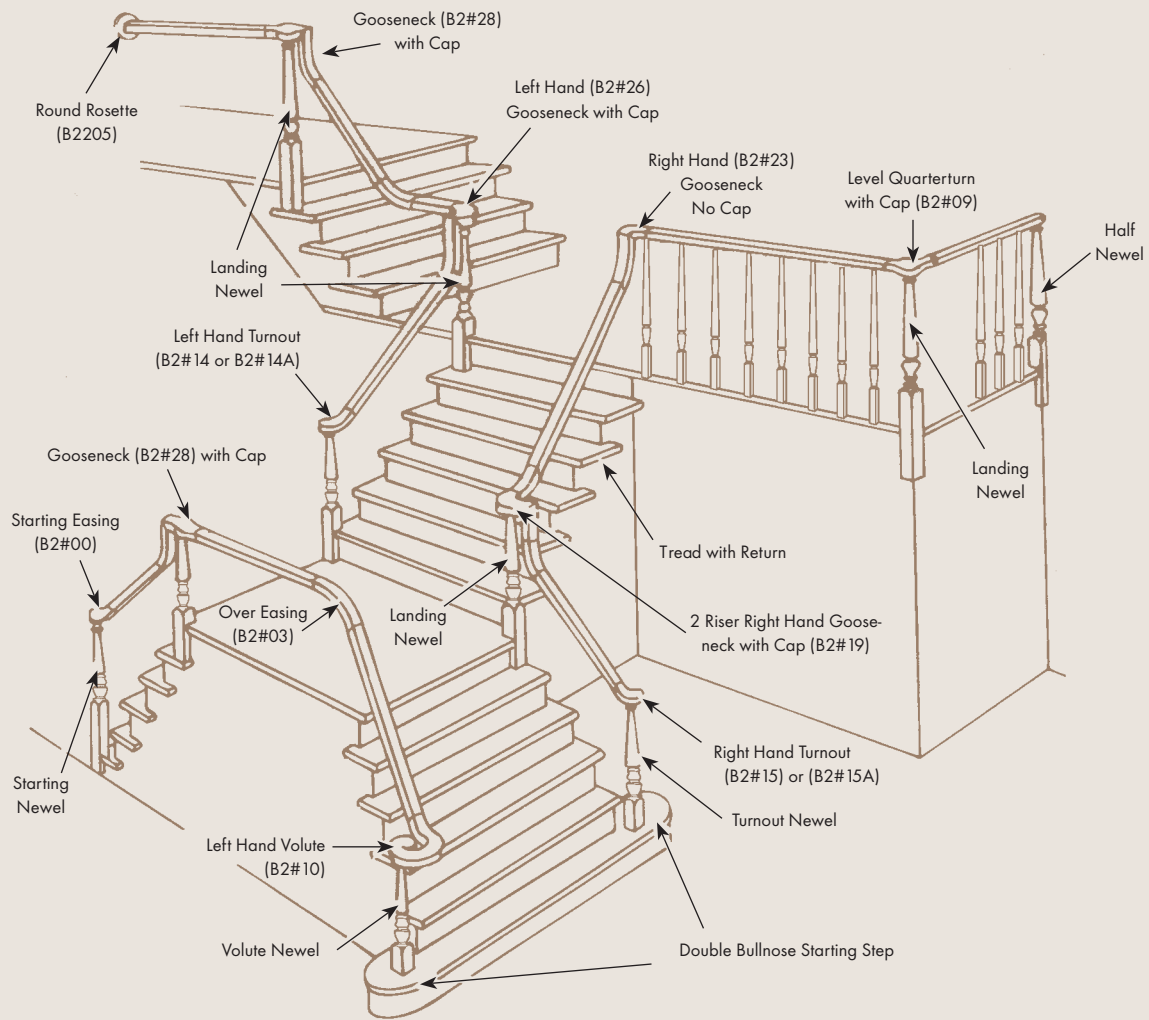


Hard Maple



Mahogany

SELECTION GUIDE



OVER THE POST

Handrail Fittings



LH Volute



LH Turnout



Starting Easing



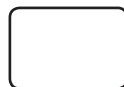
Maple



Oak (Red)



Poplar



Prime



White



Walnut



White Oak



WOOD BALUSTER INDEX

ON THE LEVEL™









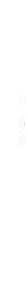














Model #'s are in white






















ON THE RISE™

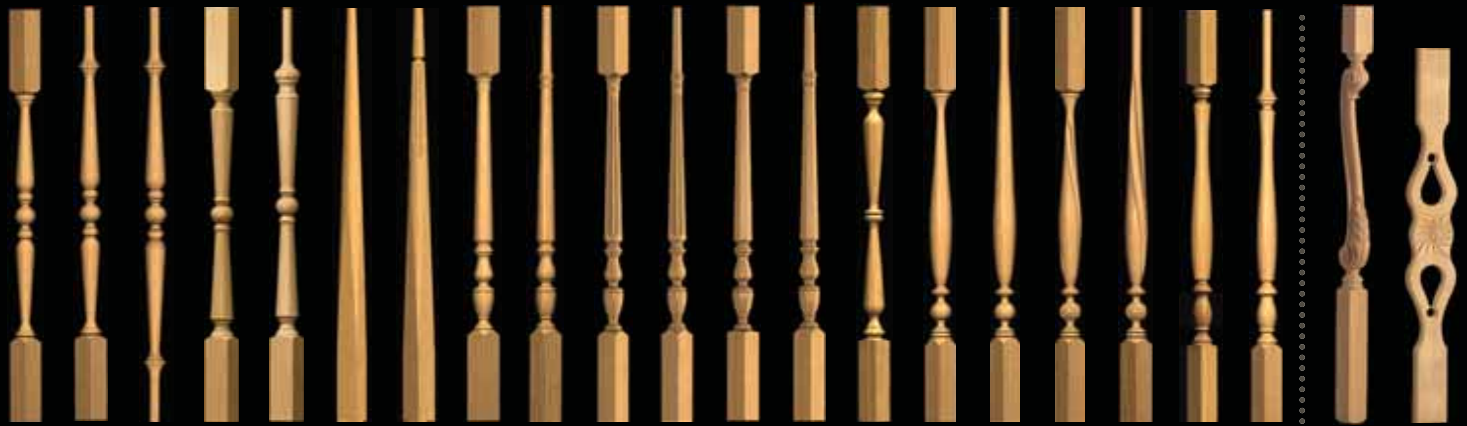
Model #'s are in yellow

																			
B1075	B1175	B1265	B1275	B1365	B1375	B1465	B1465-F	B1475	B1475-F	B1565	B1575	B4205	B4225	B4235	B4230	B4241	B4245	B4255	B4255-C
1 1/4" sq	1 3/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 1/4" sq	1 3/4" sq	1 3/4" sq
Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pg 16	Pgs 8, 10	Pg 10	Pg 10	Pg 12	Pgs 8, 10	Pg 18	Pg 18	Pg 18
																			
B4255-F	B4255-CF	B4255-FG	B4255-9P	B4266	B4267	B5070	B4275	B4305	B4341	B4565	B4575	B4665	B4675	B4766	B4775	B4865	B4875	B4965	B4975
1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 1/4" sq	1 1/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq	1 3/4" sq
Pg 18	Pg 18	Pg 18	Pg 18	Pg 12	Pg 10	Pg 12	Pgs 8, 10	Pgs 8, 10	Pgs 8, 10	Pg 14	Pg 14	Pg 14	Pg 14	Pg 12	Pg 12	Pg 14	Pg 14	Pg 14	Pg 14

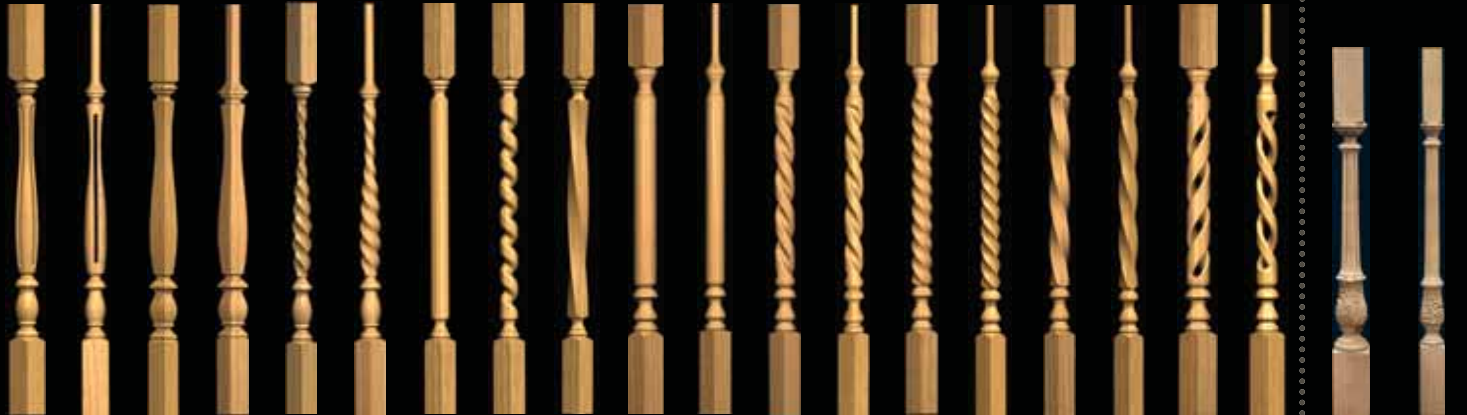
IRON BALUSTER INDEX

																						
1BASK44	1BASK-BLY	1KNUC44	1RIB44	1TW40-BLY	1TW22	1TW44	2BASK44	2KNUC1BASK44	2KNUC44	2RIB44	2TW44	BR101	BR102	BR161	BR801	BR802	KNOT44	M-1-41	M-2-41	M-3-41	M-4-41	M-5-41
1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Pg 41	Pg 44	Pg 40	Pg 43	Pg 44	Pg 41	Pg 41	Pg 41	Pg 40	Pg 40	Pg 43	Pg 41	Pg 41	Pg 41	Pg 45	Pg 43	Pg 43	Pg 42	Pg 44	Pg 44	Pg 44	Pg 44	Pg 44

																				
M321	M34044	M39944	M40144	M40244	M40840	M41144	M501	M55541	M601	M8044	M8544	M9044	MDS	MHDS	MSS	PLA40-BLY	PLA44	R20044	R21044	RENPANEL
1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	9/16"	9/16"	1/2"	1/2"	9/16"	9/16"	1/2"
Pg 42	Pg 41	Pg 38	Pg 40	Pg 40	Pg 40	Pg 40	Pg 42	Pg 39	Pg 42	Pg 43	Pg 43	Pg 46	Pg 42	Pg 47	Pg 42	Pg 44	Pg 41	Pg 48	Pg 48	Pg 39



BY05 1 3/4" sq Pg 22	BY15 1 3/4" sq Pg 22	BY25 1 3/4" sq Pg 22	BY06 2" sq Pg 22	BY26 2" sq Pg 22	CW15 1 3/4" sq Pg 21	CW15E-F 1 3/4" sq Pg 21	KC05 1 3/4" sq Pg 24	KC15 1 3/4" sq Pg 24	KC05-R 1 3/4" sq Pg 24	KC15-R 1 3/4" sq Pg 24	KC05-8 1 3/4" sq Pg 24	KC15-8 1 3/4" sq Pg 24	LM05 1 3/4" sq Pg 32	ME05 1 3/4" sq Pg 28	ME15 1 3/4" sq Pg 28	ME05-1TW 1 3/4" sq Pg 28	ME15-1TW 1 3/4" sq Pg 28	MV05 1 3/4" sq Pg 26	MV15 1 3/4" sq Pg 26	B11 2 1/16" sq Pg 34	B14 1 3/8" x 5 7/8" Pg 35
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MV05-OPEN-F 2" sq Pg 26	MV15-OPEN-F 2" sq Pg 26	MV05-SQ 1 3/4" sq Pg 26	MV15-SQ 1 3/4" sq Pg 26	MV05-2RIB 1 3/4" sq Pg 26	MV15-2RIB 1 3/4" sq Pg 26	SS05 1 3/4" sq Pg 33	SS05-1BAR 1 3/4" sq Pg 33	SS05-1RIB 1 3/4" sq Pg 33	WB05 1 3/4" sq Pg 30	WB15 1 3/4" sq Pg 30	WB05-2BAR 1 3/4" sq Pg 30	WB15-2BAR 1 3/4" sq Pg 30	WB05-2RIB 1 3/4" sq Pg 30	WB15-2RIB 1 3/4" sq Pg 30	WB05-3RIB 1 3/4" sq Pg 30	WB15-3RIB 1 3/4" sq Pg 30	WB05-OPEN-T 1 3/4" sq Pg 30	WB15-OPEN-T 1 3/4" sq Pg 30	BA1 1 3/4" sq Pg 36	BG2 1 1/2" sq Pg 36
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M10044 9/16" Pg 46	M11044 9/16" Pg 46	M12044 9/16" Pg 46	M13044 9/16" Pg 46	M13144 9/16" Pg 46	M13244 9/16" Pg 46	M13344 9/16" Pg 47	M13444 9/16" Pg 47	M13544 9/16" Pg 47	M13644 9/16" Pg 47	M13744 9/16" Pg 47	M14044 9/16" Pg 45	M14344 9/16" Pg 45	M15044 9/16" Pg 45	M16044 9/16" Pg 45	M19044 1/2" Pg 45	M20044 1/2" Pg 45	M301 1/2" Pg 42	M30344 9/16" Pg 47	M305 9/16" Pg 47	M308 9/16" Pg 47	M310 9/16" Pg 46	M331 1/2" Pg 42
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R22044 9/16" Pg 48	R22544 9/16" Pg 48	R54044 9/16" Pg 49	R54344 9/16" Pg 49	R55044 9/16" Pg 49	R60044 1/2" Pg 48	R60144 1/2" Pg 48	R60244 1/2" Pg 48	R61144 1/2" Pg 48	R61244 1/2" Pg 48	R65044 5/8" Pg 49	R65244 5/8" Pg 49	R65644 5/8" Pg 49	R68044 5/8" Pg 49	WAVE44 1/2" Pg 42	MEGA-PLA 3/4" Pg 50	MEGA-1TW 3/4" Pg 50	MEGA-2TW 3/4" Pg 50	MEGA-1BASK 3/4" Pg 50	MEGA-2BASK 3/4" Pg 50	MEGA-M501 3/4" Pg 50	MEGA-M601 3/4" Pg 50	MEGA-1KNUC 3/4" Pg 50	MEGA-2KNUC 3/4" Pg 50
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Handrails



B5000



B5100



B5200



B5208



B5226



B5310



B5400



B5500



B5700



B5900

BALUSTERS



ON • THE • LEVEL

B4205

B4241

B4305

B4341

ON • THE • RISE

B5015

B5141

-

-

Thickness (Square)

1 1/4"

1 1/4"

1 3/4"

1 3/4"

Options:
Fluting add -F
Reeded add -R

Fluted



B5015-F
B5141-F

Reeded



B5015-R
B5141-R



ON THE LEVEL™

Available Lengths:
31", 34", 36", 39",
and 42"

The height of the bottom square and the turned portion stays the same for all baluster heights. The turned portion is always parallel to the tread. Balusters are trimmed from the top.



ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Bottom Rails

B5211



B5210

B5260



B5241

B6111



B6125

B5260



B6175

For rail
specifications
see page 52.

Over the Post

NEWELS

Pin
B
C
W

B3200A B3201 B3210A B3227

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
B3200A	43"	27"	15"	3"
B3201	48"	27"	20"	3"
LANDING				
B3210A	62"	27"	34"	3"
ANGLE (WINDER)				
B3227	72"	27"	44"	3"

**VOLUTES/
TURNOUTS**

Pin
B
C
Bottom
Pin
W

B3221C B3221A B3222A

Newels	Height	B Turning Length	C Bottom Block	W Width
VOLUTE/TURNOUT (Adjustable)				
B3221C	48"	27"	14"	3"
VOLUTE (Use With Climbing Volute)				
B3221A	43"	27"	7 ³ / ₈ "	3"
TURNOUT (Old Code 30-34)				
B3222A	43"	27"	8 ¹ / ₂ "	3"

To use B3221A for code 34-38 specify a climbing volute
-B2210CL, B2211CL, B2810CL, B2811CL



B3200A
B3201
B3210A
B3227

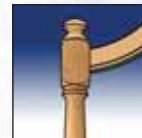
B3221A
B3221C
B3222A

Post to Post

Finial
A
B
C
W

B3180 B3182 B3195 B3185 B3186

Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
B3180	48"	5 ¹ / ₄ "	20 ³ / ₄ "	19 ¹ / ₂ "	3 ¹ / ₄ "
B3182	54"	5 ¹ / ₄ "	20 ³ / ₄ "	25 ¹ / ₂ "	3 ¹ / ₄ "
2ND FLOOR LANDING					
B3185	62"	11"	20 ³ / ₄ "	27 ³ / ₄ "	3 ¹ / ₄ "
INTERMEDIATE LANDING					
B3186	62"	14 ¹ / ₂ "	18"	27"	3 ¹ / ₄ "
ANGLE (WINDER)					
B3195	72"	5 ¹ / ₄ "	20 ³ / ₄ "	43 ¹ / ₂ "	3 ¹ / ₄ "



Starting newel w/fitting



Starting newel no fitting



Angle newel w/fitting



Newels with an 11" top square are for 2nd floor landings when NOT using fittings. Balcony rail heights will be 36" when using this newel.



Newels with an 14¹/₂" top square are for intermediate landings when NOT using fittings or for 2nd floor landings and balcony rail heights over 36".



B3180
B3182
B3195

B3185
B3186

Handrails



B5000



B5100



B5200



B5208



B5226



B5310



B5400



B5500

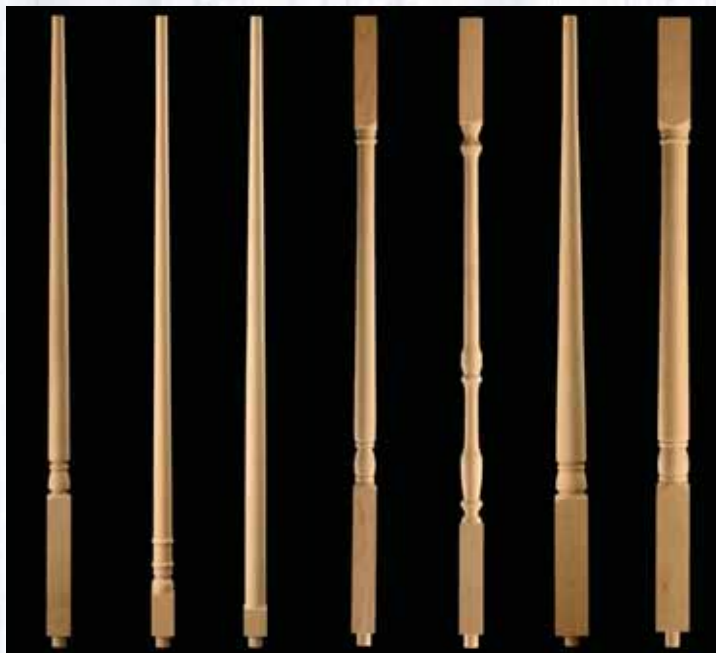


B5700



B5900

BALUSTERS



ON • THE • LEVEL	B4205	B4225	B4235	B4241	-	B4305	B4341
ON • THE • RISE	B5015	B5035	-	B5141	B5067	-	-
Thickness (Square)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 3/4"	1 3/4"

Options:
Fluting add -F
Reeded add -R

Fluted



B5015-F
B5035-F
B5141-F

Reeded



B5015-R
B5141-R



ON THE LEVEL™

Available Lengths:
31", 34", 36", 39",
and 42"

The height of the bottom square and the turned portion stays the same for all baluster heights. The turned portion is always parallel to the tread. Balusters are trimmed from the top.

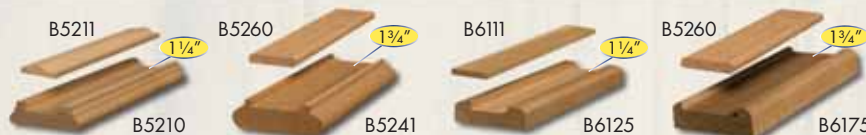


ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Bottom Rails



For rail
specifications
see page 52.

Over the Post

NEWELS

B3207A B3217A B3218A

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
B3207A	43"	30 3/16"	11 13/16"	3"
LANDING				
B3217A	62"	30 3/16"	30 13/16"	3"
ANGLE (WINDER)				
B3218A	72"	30 3/16"	40 13/16"	3"

VOLUTES/TURNOUTS

B3205 B3206 B3260 B3260C B3261

Newels	Height	B Turning Length	C Bottom Block	W Width
VOLUTE/TURNOUT (Code 34-38)				
B3260C	48"	30 1/8"	9"	2 3/4"
VOLUTE (Use With Climbing Volute)				
B3205	43"	28 1/4"	5 7/8"	2 1/4"
B3260	43"	30 1/8"	4"	2 3/4"
TURNOUT (Old Code 30-34)				
B3206	44"	28 1/8"	9 3/8"	2 1/4"
B3261	43"	31 3/4"	4"	2 3/4"

To use B3205 or B3260 for code 34-38 specify a climbing volute - B2210CL, B2211CL, B2810CL, B2811CL



Post to Post

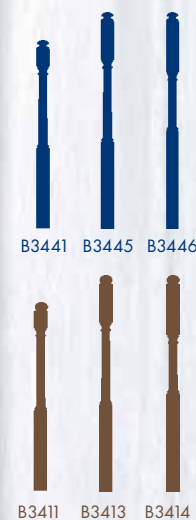
PLAIN

B3242 B3240 B3241 B3255 B3256 B3245 B3246

Posts	Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING						
B3240	B3204	48"	5"	23 1/4"	17"	3"
B3241	B3211	54"	5"	23 1/4"	23"	3"
	B3242	48"	N/A	N/A	N/A	3"
2ND FLOOR LANDING						
B3245	B3214	62"	11"	23 1/4"	26 1/4"	3"
B3244	-	62"	11"	18 1/4"	32 3/4"	3"
INTERMEDIATE LANDING						
B3246	B3213	62"	14 1/2"	18 1/4"	28 1/4"	3"
ANGLE (WINDER)						
B3255	B3215	72"	5"	23 1/4"	41"	3"

BALL TOP

Enhance Your Newels
Upgrade your newels from 3" to 4" thick.



Yellow numbers denote available in enhanced models.

Handrails



B5000



B5100



B5200



B5208



B5226



B5310



B5400



B5500



B5700



B5900

BALUSTERS



ON • THE • LEVEL	B4230	-	B4266	B4275	B4766	B4775
ON • THE • RISE	B5030	B5070	B4265*	B5300	B4265-8	B5300-8
Thickness (Square)	1 1/4"	1 1/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"

B4266 and B4275 may be ordered in 2" thickness: specify B4366 and B4375.



ON THE LEVEL™

Available Lengths:
31", 34", 36",
39", and 42"

The height of the bottom square and the turned portion stays the same for all baluster heights. The turned portion is always parallel to the tread. Balusters are trimmed from the top.



ON THE RISE™

Available Lengths:
34", 38", and 42"

*(B4265 balusters also available in 30" and 36" for stringer applications)

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Options:
Fluting add -F

Fluted



B4265-F
B5300-F
B5030-F
B5070-F



DIVIDER SPINDLE

-Available in
1 3/4" x 48"

B4265-48

Bottom Rails



For rail specifications see page 52.

Over the Post

NEWELS

VOLUTES/TURNOUTS

B3298 B3298C B3296 B3294 B3297

Newels	Newels (Octagon)	Height	B Turning Length	C Bottom Block	W Width
STARTING					
B3298	-	43"	25 3/4"	16 1/4"	3 1/4"
B3298C	B3798C	48"	25 3/4"	21 1/4"	3 1/4"
LANDING					
B3296	B3796	62"	25 3/4"	35 1/4"	3 1/4"
VOLUTE/TURNOUT (Code 34-38)					
B3294C	B3794C	48"	28"	12 1/8"	3 1/4"
VOLUTE (Use With Climbing Volute)					
B3294	-	43"	24 7/8"	8 5/8"	3 1/4"
TURNOUT (Old Code 30-34)					
B3297	-	43"	25 7/8"	9 1/2"	3 1/4"

To use B3294 for code 34-38 specify a climbing volute
-B2210CL, B2211CL, B2810CL, B2811CL

Yellow numbers denote available in enhanced models.

Enhance Your Newels

Upgrade your newels from 3 1/4" to 3 3/4" thick.



Post to Post

PLAIN

OCTAGON

B3289 B3#92 B3290 B3#99 B3#93 B3#91 B3#95

Posts	Posts (Octagon)	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING						
B3289	-	48"	-	-	-	3 1/2"
B3292	B3792	48"	6 1/2"	17 1/2"	20 1/8"	3 1/2"
B3299	B3799	56"	6 1/2"	17 1/2"	28 1/8"	3 1/2"
2ND FLOOR LANDING						
B3290	-	56"	-	-	-	3 1/2"
B3293	B3793	56"	11"	17 1/2"	23 3/4"	3 1/2"
INTERMEDIATE LANDING						
B3291	-	72"	-	-	-	3 1/2"
B3295	B3795	72"	14 1/2"	17 1/2"	20 1/8"	3 1/2"

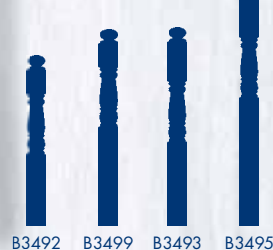
Yellow numbers denote available in enhanced models.



Available post tops for B3289, B3290, B3291. Include the suffix after the model number when ordering.

Enhance Your Newels

Upgrade your posts from 3 1/2" to 4 1/2" thick.



Newels may be ordered 3" thick (example: B3292-030)

Handrails



B5100



B5208



B5226



B5310



B5400

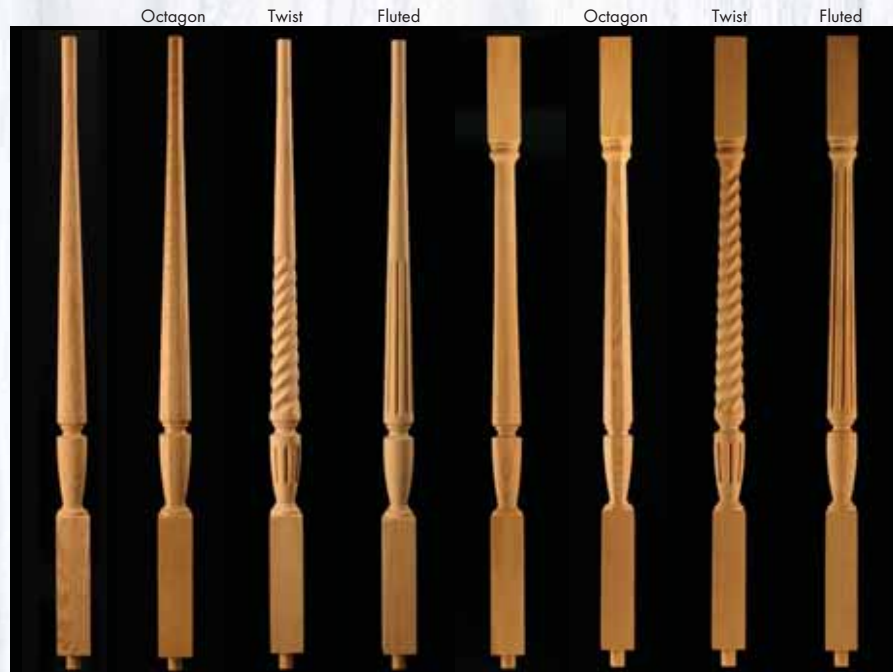


B5700



B5900

BALUSTERS



ON • THE • LEVEL	B4575	B4675	B4875	B4975	B4565	B4665	B4865	B4965
ON • THE • RISE	B2015-P	B2015-8	B2015-T	B2015-F	B2005-P	B2005-8	B2005-T	B2005-F
Thickness (Square)	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"



ON THE LEVEL™

Available Lengths:
31", 34", 36", 39",
and 42"

The height of the bottom square and the turned portion stays the same for all baluster heights. The turned portion is always parallel to the tread. Balusters are trimmed from the top.

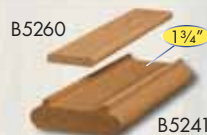


ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

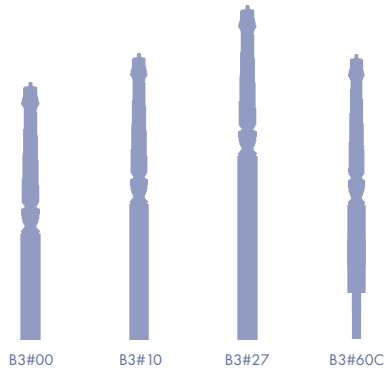
Bottom Rails



For rail
specifications
see page 52.

Over the Post

NEWELS



Plain Newels	Octagon Newels	Twist Newels	Fluted Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING							
B3500	B3600	B3800	B3900	43"	27"	15"	3 1/2"
B3500C	B3600C	B3800C	B3900C	48"	27"	20"	3 1/2"
LANDING							
B3510	B3610	B3810	B3910	56"	27"	28"	3 1/2"
ANGLE (WINDER)							
B3527	B3627	B3827	B3927	72"	27"	44"	3 1/2"
VOLUTE/TURNOUT (Code 34-38) - ADJUSTABLE							
B3560C	B3660C	B3860C	B3960C	48"	27 1/4"	12 7/8"	3 1/2"

VOLUTES/TURNOUTS

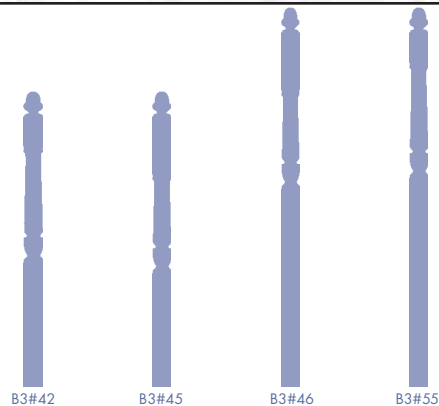
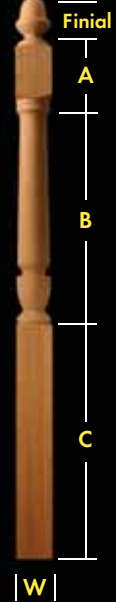


Octagon Twist Fluted



B35## series B36## series B38## series B39## series

Post to Post



Posts	Octagon Posts	Twist Posts	Fluted Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING								
B3542	B3642	B3842	B3942	56"	5"	23"	22"	3 1/2"
2ND FLOOR LANDING								
B3545	B3645	B3845	B3945	56"	11"	18"	22"	3 1/2"
INTERMEDIATE LANDING								
B3546	B3646	B3846	B3946	72"	14"	18"	35"	3 1/2"
B3555	B3655	B3855	B3955	72"	5"	23"	39 1/2"	3 1/2"

Top Blocks



Octagon Twist Fluted



B3542 B3642 B3842 B3942
B3545 B3645 B3845 B3945
B3546 B3646 B3846 B3946
B3555 B3655 B3855 B3955

BALUSTERS

Handrails



B5000



B5100



B5200



B5208



B5226



B5310



B5400



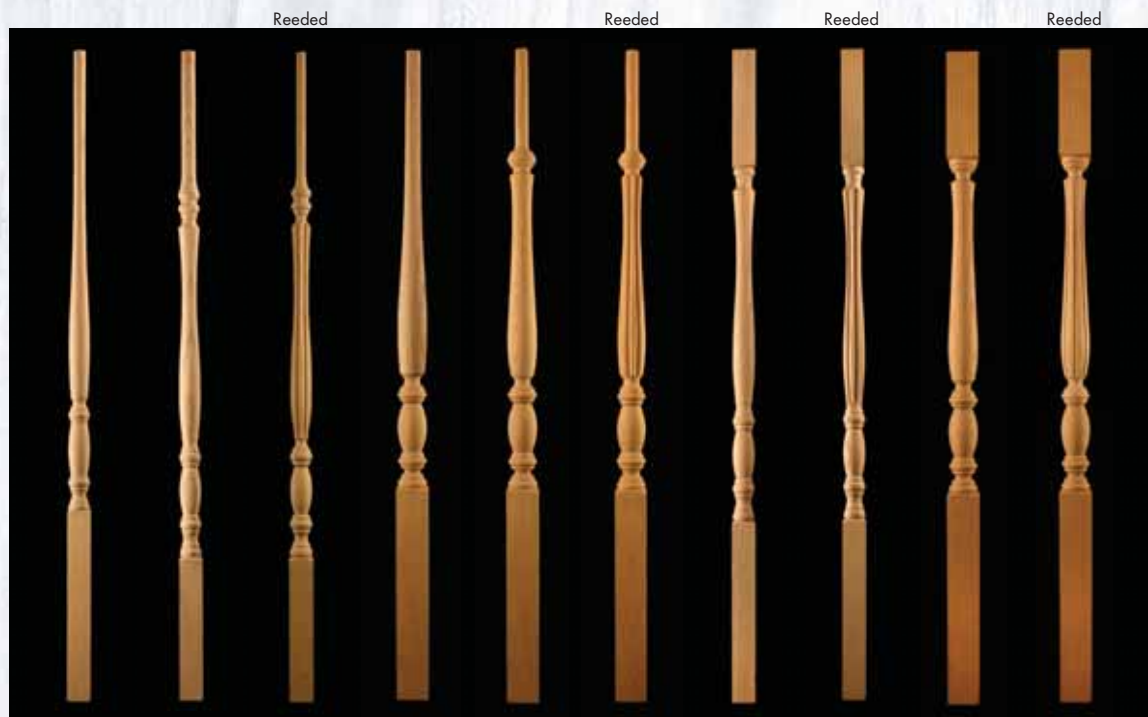
B5500



B5700



B5900



B1075
1 1/4" Sq

B1275
1 1/4" Sq

B1375
1 1/4" Sq

B1175
1 3/4" Sq

B1475
1 3/4" Sq

B1575
1 3/4" Sq

B1265
1 1/4" Sq

B1365
1 1/4" Sq

B1465
1 3/4" Sq

B1565
1 3/4" Sq



ON THE RISE™

Available Lengths:
34", 38", and 42"

Options:
Fluting add -F

Fluted

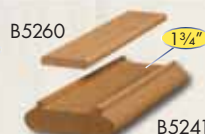


B1465-F
B1475-F

Bottom Rails



B5210



B5241



B6125



B6175

For rail
specifications
see page 52.

Over the Post

NEWELS

B3001 B3101 B3010 B3110 B3027 B3127 B3021 B3121

Newels	Newels (Reeded)	Height	B Turning Length	C Bottom Block	W Width
STARTING					
B3001	B3101	50"	23"	26"	3 1/2"
LANDING					
B3010	B3110	58"	23"	34"	3 1/2"
ANGLE (WINDER)					
B3027	B3127	72"	23"	48"	3 1/2"
VOLUTE/TURNOUT (ADJUSTABLE)					
B3021	B3121	48"	23"	14"	3 1/2"

VOLUTES/TURNOUTS

Newels may be ordered 3" thick (example: B3001-030)



Reeded Newel



Post to Post

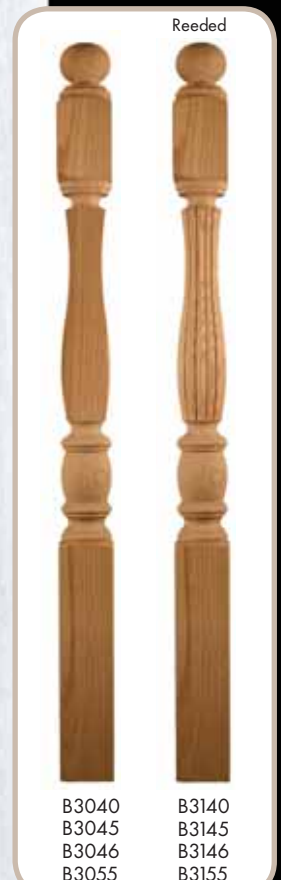
PLAIN

B3040 B3140 B3045 B3145 B3046 B3146 B3055 B3155

Posts	Posts (Reeded)	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING						
B3040	B3140	48"	5"	23"	14 1/2"	3 1/2"
2ND FLOOR LANDING						
B3045	B3145	58"	11"	23"	22"	3 1/2"
INTERMEDIATE LANDING						
B3046	B3146	72"	14"	23"	36 1/2"	3 1/2"
B3055	B3155	72"	5"	23"	39 1/2"	3 1/2"

REEDED

Newels may be ordered 3" thick (example: B3040-030)



Rails



B5235



B5255



B5275



B5285



B6100



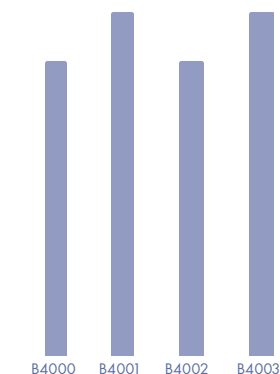
B6100P

BALUSTERS

Thickness

Thickness		Chamfered	Fluted	Chamfered & Fluted	Chamfered & Grooved	Chamfered, Fluted & Grooved	Fluted & Grooved	6 V-Grooved	9 V-Grooved
1 1/4"	B4245	B4245-C	B4245-F	B4245-CF	B4245-CG	B4245-CFG	B4245-FG	-	-
1 1/2"	B4250	-	-	-	-	-	-	-	-
1 3/4"	B4255	B4255-C	B4255-F	B4255-CF	B4255-CG	B4255-CFG	B4255-FG	B4255-6P	B4255-9P

Bevel Top Newels



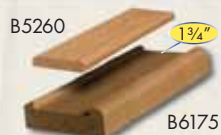
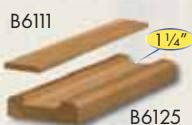
Newels	Height	Width
STARTING		
B4000	48"	3 1/2"
B4002	48"	4"
2ND FLOOR LANDING & ANGLE		
B4001	56"	3 1/2"
B4003	56"	4"

Newels may be ordered 3" thick (example: B4000-030)

NOTE: Most newels are available with the same milling options as the balusters.

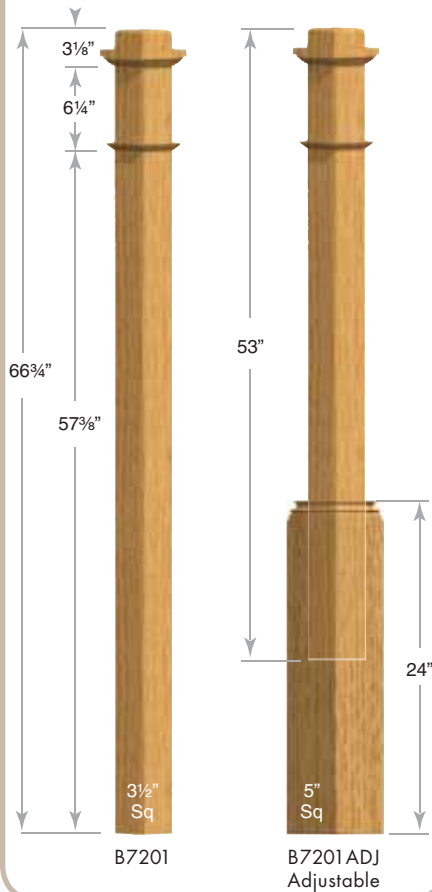
Chamfered	Fluted	Chamfered, Fluted & Grooved
B4000 B4001 B4002 B4003	B4000-C B4001-C	B4000-F B4001-F
		B4000-CFG

Bottom Rails

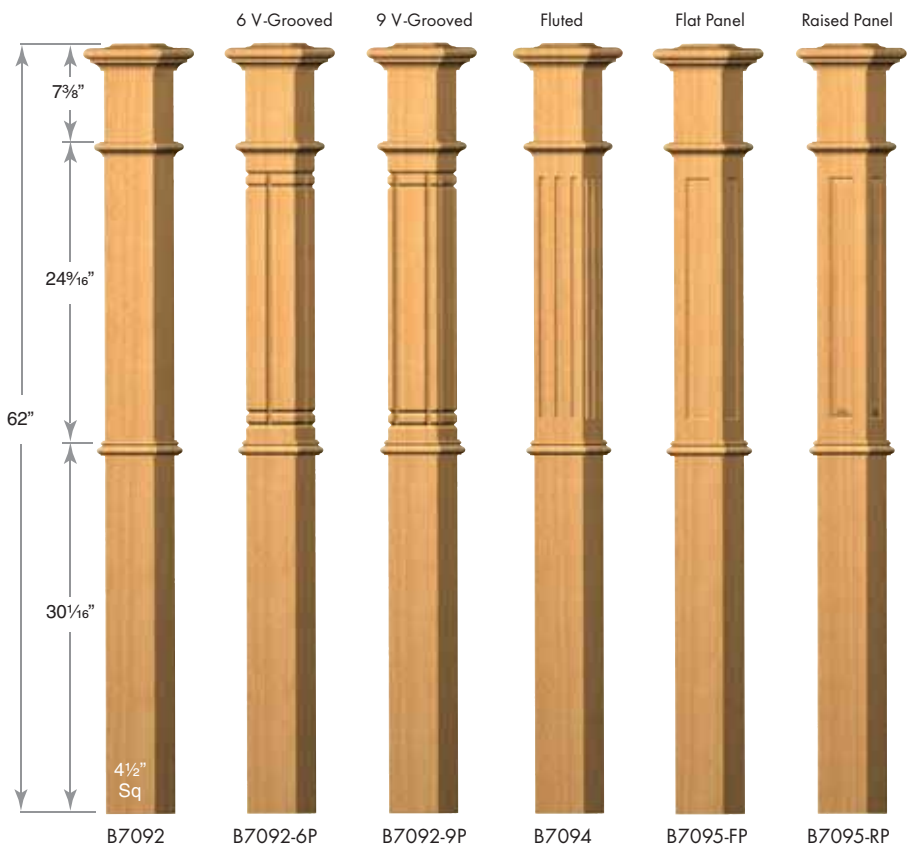


For rail specifications see page 52.

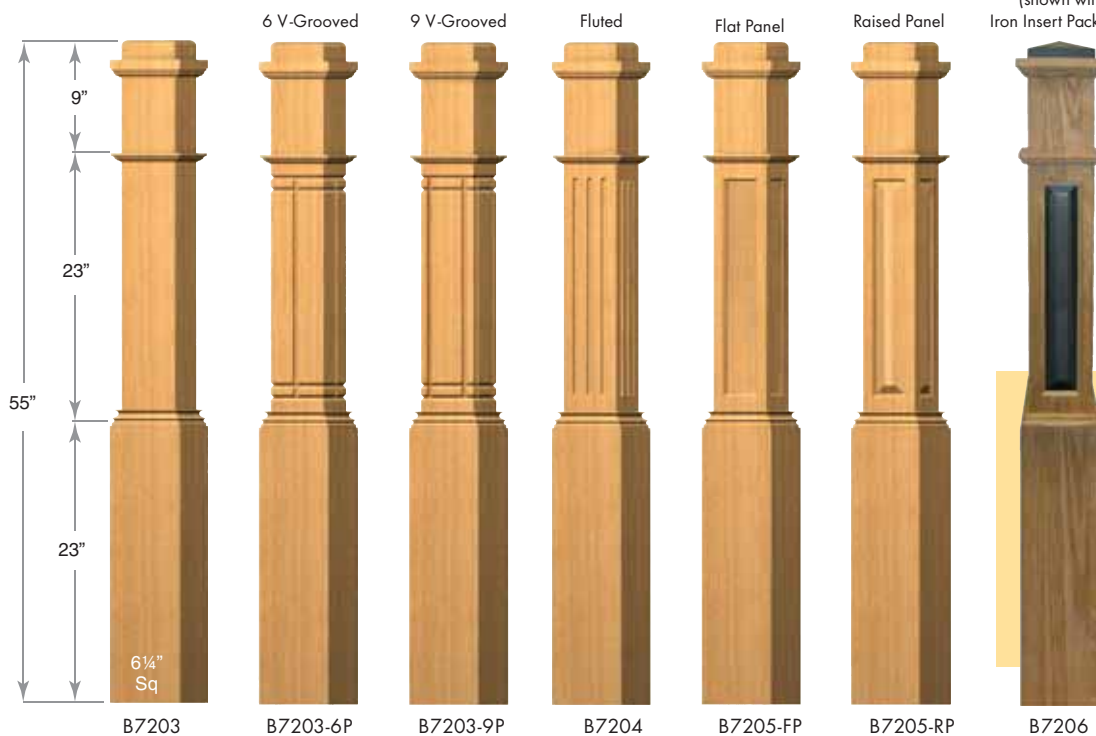
Series 3



Series 4 Use with any Baluster Style



Series 6 Use with any Baluster Style



Removable Wood Panels
(shown with
Iron Insert Package)



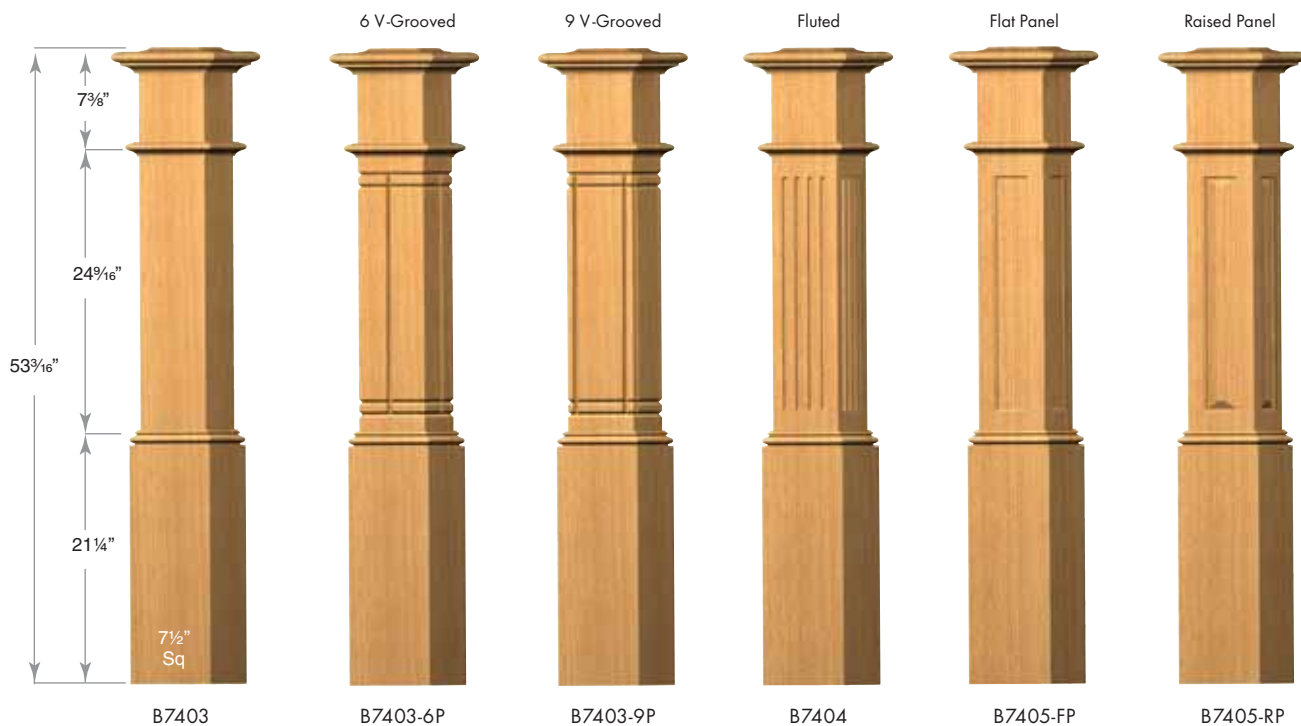
Series 6 Box Newels include both Peak and Flat Caps.

The **B7206** (6 1/4" W x 5" L) is available in Red Oak, Poplar, Hard Maple, Cherry and Alder. Each newel includes: removable flat wood panels and loose stops.

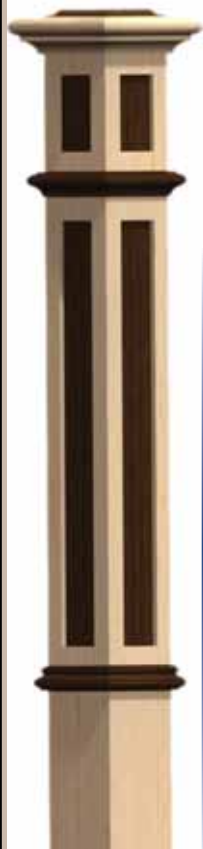
Order separately our iron insert packets in your choice of seven finishes (pyramid iron cap included) or create your own inserts: including iron, wood, or glass.

MORE BOX NEWELS ON THE NEXT PAGE.

Series 7 Use with any Baluster Style

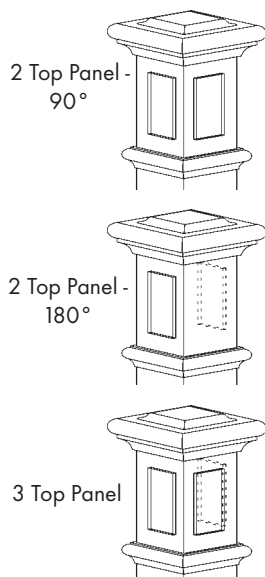


Mixed Specie



- 1 Main newel with raised or flat panels in a different specie.
- 2 Main newel with a cap in a different specie.
- 3 Main newel with molding in a different specie.

Top Block Panels Options



Custom Box Newels



Series 4, 6 or 7 can be customized for your building project.

- Add panels below the cap and above the top moulding. The panels can be on two or three sides. (your choice of which sides).
- Mix your species. The panels can have one specie and the box newel can be of another. The moulding and cap can either match the panel or the box newel specie.
- The sticking around the panels can be Shaker Style (square) or Colonial (round)

The panel between the mouldings can be divided into two or more panels.

Shown with 2 panels per side



All of our box newel panels are standard with Round Sticking ... order optional Square Sticking.



EZ Mount Base Block System

EZ-01 kit is available for Series 6 (included) and Series 7 (option) Box Newels. Includes base block, lag screws and washers.

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The Country Woods Series features clean lines and a modern look.

ON THE RISE™
BALUSTERS

Fluted

CW15 CWE15-F

Thickness	1 3/4"
Available Lengths	34", 38", and 42"



Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Over the Post

NEWELS

VOLUTES/TURNOUTS

Newels	Height	B Turning Length	W Width
STARTING			
CW74	50"	49"	3 1/2"
LANDING			
CW75	58"	57"	3 1/2"
ANGLE (WINDER)			
CW78	73"	72"	3 1/2"
VOLUTE/TURNOUT (Adjustable)			
CW60C	50"	ADJ	3 1/2"

Fluted

CW74 CWE74-F
CW75 CWE75-F
CW78 CWE78-F

Post to Post

Finial

Ball Top Posts	Height	A Top Block	B Turning Length	W Width
STARTING				
CW80	48"	5"	39"	3 1/2"
CW82	58"	5"	49"	3 1/2"
CW93	62"	5"	53"	3 1/2"
CW95	73"	5"	64"	3 1/2"
CW98	78"	5"	69"	3 1/2"
2ND FLOOR LANDING				
CW85	58"	11"	43"	3 1/2"
INTERMEDIATE LANDING				
CW86	73"	14 1/2"	54 1/2"	3 1/2"

Fluted

CW80 CW80-F
CW82 CW82-F
CW85 CW85-F
CW86 CW86-F

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The Byron Series focuses on a center ball detail and is offered in two unique versions: the standard and Euro styles.

Euro style

Euro style

Handrails



B5100



B5208



B5226



B5310



B5400

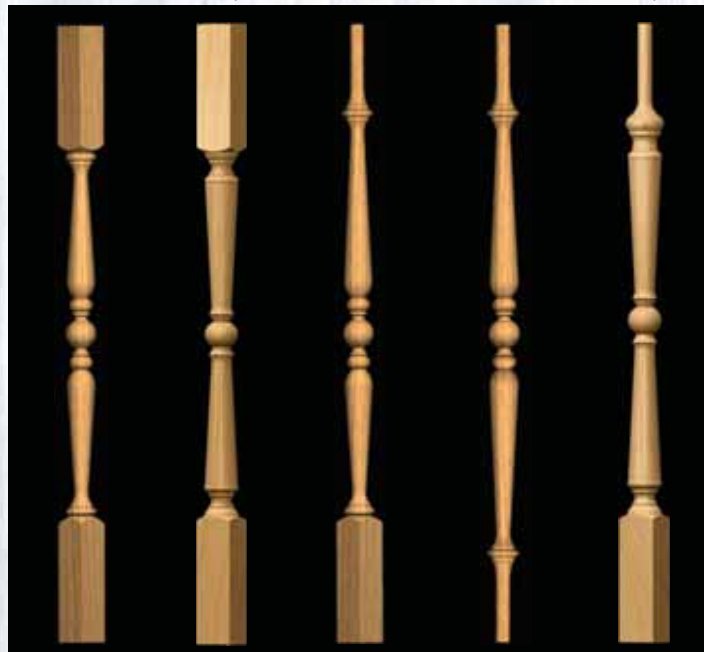


B5700



B5900

BALUSTERS



ON • THE • RISE

Thickness (Square)

BY05

BY06

BY15

BY25

BY26

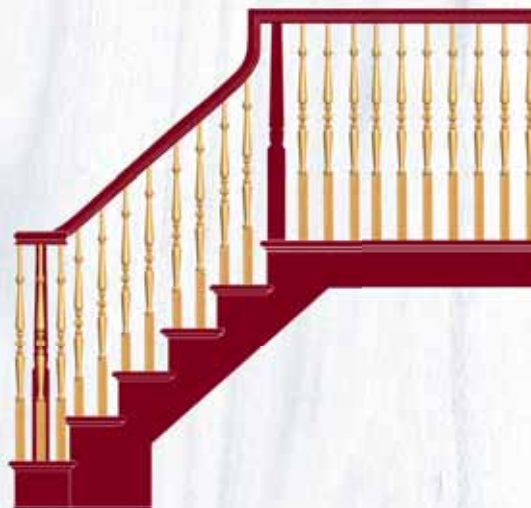
1 3/4"

2"

1 3/4"

1 3/4"

2"



ON THE RISE™

Available Lengths:
BY25: 31", 34", 36", 39", 42"
BY05, BY15, BY25, BY26:
34", 38", 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin). NOTE: When the BY25 is used for a balcony application then specify BY25-36B, BY25-39B & BY25-42B (turnings centered on balcony balusters).

Options:
Reeded Ball
add -RB

Decorative



BY##-RB

Options:
Pineapple Ball
add -PB

Decorative



BY##-PB

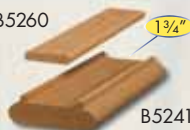
Rounded



Round
Top and
Bottom
Blocks
Available

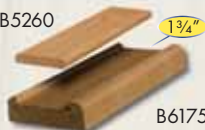
Bottom Rails

B5260



B5241

B5260



B6175

B5262



B6120

For rail
specifications
see page 52.

Over the Post

NEWELS

Pin
B
C
W

Euro

BY74 BYE74 BY75 BYE75 BY78 BYE78

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
BY74	50"	27"	22"	3 1/2"
BYE74	50"	27"	22"	3 1/2"
LANDING				
BY75	58"	27"	30"	3 1/2"
BYE75	58"	27"	30"	3 1/2"
ANGLE (WINDER)				
BY78	73"	27"	45"	3 1/2"
BYE78	73"	27"	45"	3 1/2"

**VOLUTES/
TURNOUTS**

Pin
B
C
W
Bottom Pin

Euro

BY60C BYE60C

Newels	Height	B Turning Length	C Bottom Block	W Width
VOLUTE/TURNOUT (Adjustable)				
BY60C	50"	27"	ADJ	3 1/2"
BYE60C	50"	27"	ADJ	3 1/2"

Euro style

BY74
BY75
BY78

BYE74
BYE75
BYE78

Post to Post

Options:
Reeded Ball Top
and Center Ball
add -RB

Decorative



BY##-RB

**EURO
STYLE**

Finial
A
B
C
W

BY80 BY82 BY85 BY86 BY93 BY95 BY98

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
BY80	48"	5"	24"	15"	3 1/2"
BYE80	48"	5"	21 3/4"	16 3/4"	3 1/2"
BY82	58"	5"	24"	25"	3 1/2"
BYE82	58"	5"	21 3/4"	26 3/4"	3 1/2"
BY93	62"	5"	24"	29"	3 1/2"
BYE93	62"	5"	21 3/4"	30 3/4"	3 1/2"
BY95	73"	5"	24"	40"	3 1/2"
BYE95	73"	5"	21 3/4"	41 1/4"	3 1/2"
BY98	78"	5"	24"	45"	3 1/2"
BYE98	78"	5"	21 3/4"	46 3/4"	3 1/2"
2ND FLOOR LANDING					
BY85	58"	11"	19 1/2"	23 1/2"	3 1/2"
BYE85	58"	11"	19 3/4"	22 3/4"	3 1/2"
INTERMEDIATE LANDING					
BY86	73"	14 1/2"	16"	38 1/2"	3 1/2"
BYE86	73"	14 1/2"	16 3/4"	37 1/4"	3 1/2"

Euro style

BY80
BY82
BY93
BY95
BY98

BYE80
BYE82
BYE93
BYE95
BYE98

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The King Court Series includes shapes reminiscent of ancient Greek urns and tapered pillar-like turnings.

Handrails



B5100



B5208



B5226



B5310



B5400

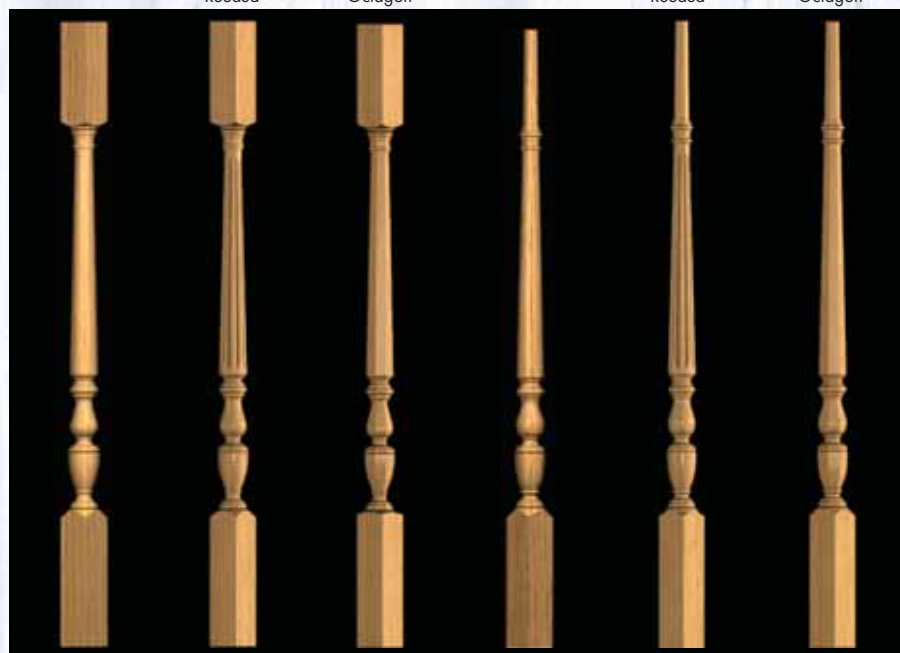


B5700



B5900

BALUSTERS



ON • THE • RISE

Thickness (Square)

KC05

KC05-R

KC05-8

KC15

KC15-R

KC15-8

1 3/4"

1 3/4"

1 3/4"

1 3/4"

1 3/4"

1 3/4"



ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

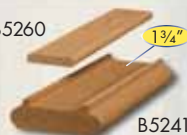
Rounded



Round
Top and
Bottom
Blocks
Available

Bottom Rails

B5260



B5241

B5260



B6175

For rail
specifications
see page 52.

Over the Post

NEWELS

KC74 KC75 KC78 KC60C

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
KC74	48"	27"	20"	3 1/2"
LANDING				
KC75	58"	27"	30"	3 1/2"
ANGLE (WINDER)				
KC78	73"	27"	45"	3 1/2"
VOLUTE/TURNOUT (Adjustable)				
KC60C	50"	27"	ADJ	3 1/2"

**VOLUTES/
TURNOUTS**

Reeded

Octagon

KC74
KC75
KC78

KC74-R
KC75-R
KC78-R

KC74-8
KC75-8
KC78-8

Post to Post

Finial

KC80 KC82 KC85 KC86 KC93 KC95 KC98

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
KC80	48"	5"	24"	13 5/8"	3 1/2"
KC82	58"	5"	24"	23 5/8"	3 1/2"
KC93	62"	5"	24"	27 5/8"	3 1/2"
KC95	73"	5"	24"	38 5/8"	3 1/2"
KC98	78"	5"	24"	43 5/8"	3 1/2"
2ND FLOOR LANDING					
KC85	58"	11"	18"	23"	3 1/2"
INTERMEDIATE LANDING					
KC86	58"	14 1/2"	23"	18"	3 1/2"

Reeded

Octagon

KC80
KC82
KC93
KC95
KC98

KC80-R
KC82-R
KC93-R
KC95-R
KC98-R

KC80-8
KC82-8
KC93-8
KC95-8
KC98-8

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The Malvern Series features a variety of some of our newest and unique milling options.

Open Flute 2 Ribbon Square Open Flute 2 Ribbon Square

Handrails



B5100



B5208



B5226



B5310



B5400

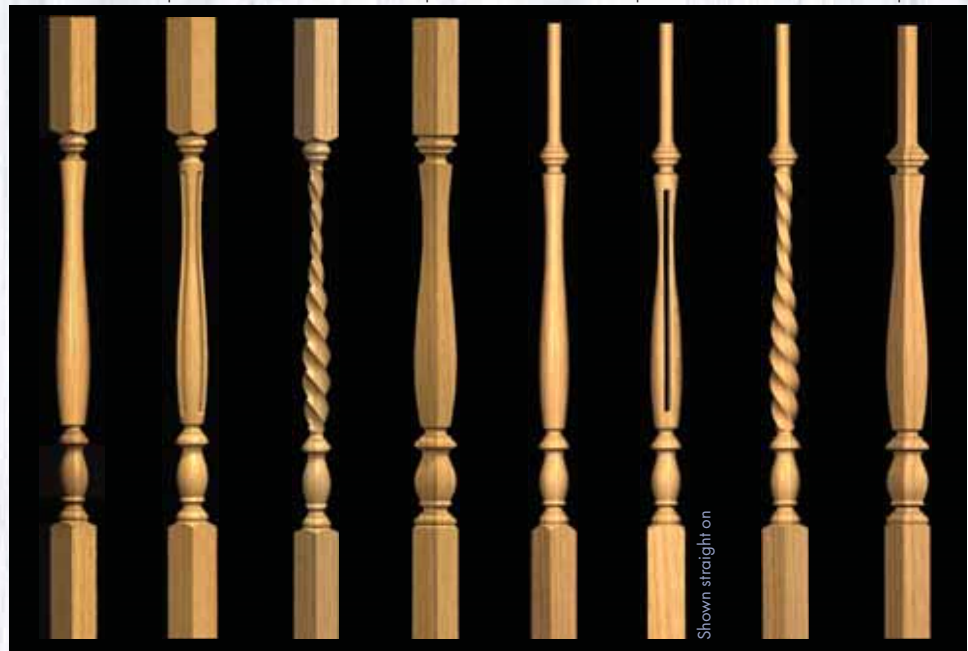


B5700



B5900

BALUSTERS



ON • THE • RISE

Thickness (Square)

MV05

MV05-OPEN-F

MV05-2RIB

MV05-SQ

MV15

MV15-OPEN-F

MV15-2RIB

MV15-SQ

1 3/4"

2"

1 3/4"

1 3/4"

1 3/4"

2"

1 3/4"

1 3/4"



ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

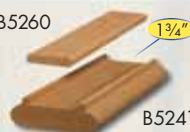
Rounded



Round
Top and
Bottom
Blocks
Available

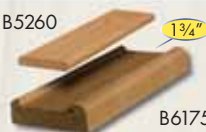
Bottom Rails

B5260



B5241

B5260



B6175

B5262



B6120

For rail
specifications
see page 52.

Over the Post

NEWELS

MV74 MV75 MV78 MV60C

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
MV74	48"	23"	24"	3 1/4"
LANDING				
MV75	60"	23"	36"	3 1/4"
ANGLE (WINDER)				
MV78	73"	23"	49"	3 1/4"
VOLUTE/TURNOUT (Adjustable)				
MV60C	48"	23"	ADJ	3 1/4"

**VOLUTES/
TURNOUTS**

Open Flute

Ribbon 2

Square

MV74 MV74-OPEN-F MV74-2RIB MV74-SQ
 MV75 MV75-OPEN-F MV75-2RIB MV75-SQ
 MV78 MV78-OPEN-F MV78-2RIB MV78-SQ

Post to Post

MV80 MV82 MV85 MV86

Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
MV80	48"	6 3/4"	23"	14 1/2"	3 1/4"
MV82	54"	6 3/4"	23"	20 1/2"	3 1/4"
2ND FLOOR LANDING					
MV85	60"	10 1/4"	19 1/2"	26 1/2"	3 1/4"
INTERMEDIATE LANDING					
MV86	60"	13 1/4"	16"	27"	3 1/4"

Open Flute

Ribbon 2

Square

MV80 MV80-OPEN-F MV80-2RIB MV80-SQ
 MV82 MV82-OPEN-F MV82-2RIB MV82-SQ

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The Mercer Series is a sleek modern design that incorporates a decorative ball at the bottom block.

1 Twist

1 Twist

Handrails



B5100



B5208



B5226



B5310



B5400

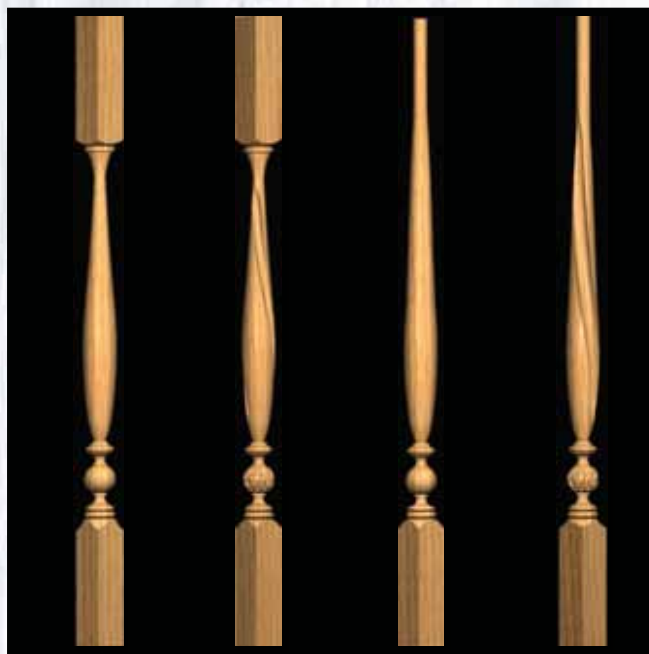


B5700



B5900

BALUSTERS



ON • THE • RISE

Thickness (Square)

ME05

ME05-1TW-PB

ME15

ME15-1TW-PB

1 3/4"

1 3/4"

1 3/4"

1 3/4"

Options:
Pineapple Ball

Decorative Ball



Ordering Example:
ME05-1TW-PB



ON THE RISE™

Available Lengths:
34", 38", and 42"

The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Rounded



Round
Top and
Bottom
Blocks
Available

Bottom Rails

B5260



B5241

B5260



B6175

For rail
specifications
see page 52.

Over the Post

NEWELS

ME74 ME75 ME78 ME60C

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
ME74	50"	27"	22"	3 1/2"
LANDING				
ME75	58"	27"	30"	3 1/2"
ANGLE (WINDER)				
ME78	73"	27"	45"	3 1/2"
VOLUTE/TURNOUT (Adjustable)				
ME60C	50"	27"	ADJ	3 1/2"

**VOLUTES/
TURNOUTS**

Twist 1

ME74
ME75
ME78

ME74-1TW-PB
ME75-1TW-PB
ME78-1TW-PB

Post to Post

ME80 ME82 ME85 ME86 ME93 ME95 ME98

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
ME80	48"	5"	24"	14 5/8"	3 1/2"
ME82	58"	5"	24"	24 5/8"	3 1/2"
ME93	62"	5"	24"	28 5/8"	3 1/2"
ME95	73"	5"	24"	39 5/8"	3 1/2"
ME98	78"	5"	24"	44 5/8"	3 1/2"
2ND FLOOR LANDING					
ME85	58"	11"	20 1/2"	22 1/8"	3 1/2"
INTERMEDIATE LANDING					
ME86	73"	14 1/2"	17"	37 1/8"	3 1/2"

Twist 1

ME80
ME82
ME85
ME86

ME80-1TW-PB
ME82-1TW-PB
ME85-1TW-PB
ME86-1TW-PB

The new premium Limited Reserve Collection was created to suit your signature style with a combination of classic and modern designs. The Woodbury Series features non-tapered turnings with an exciting variety of milling options.

2 Barley Open Twist 2 Ribbon 3 Ribbon

2 Barley Open Twist 2 Ribbon 3 Ribbon

Handrails



B5100



B5208



B5226



B5310



B5400

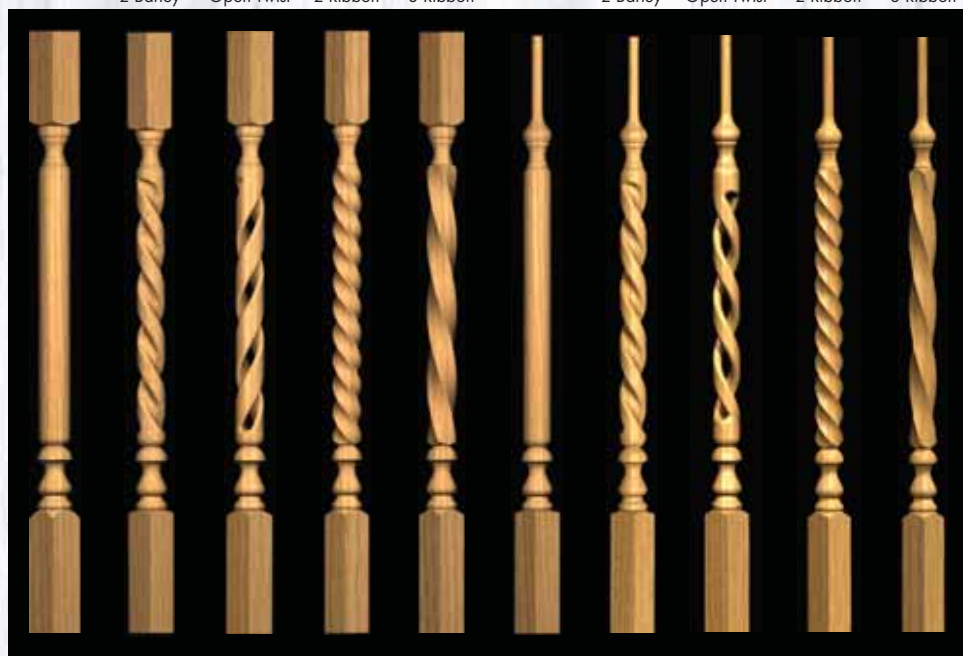


B5700



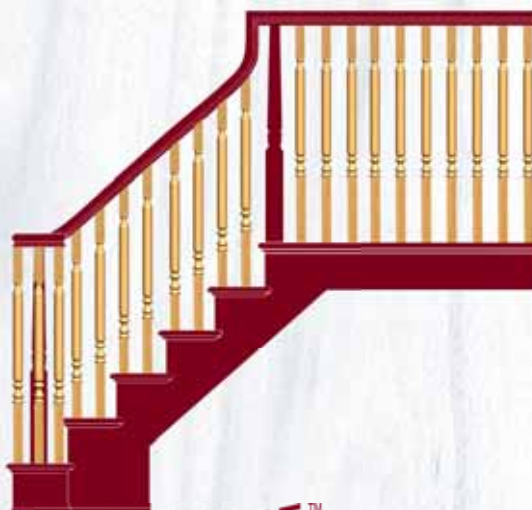
B5900

BALUSTERS



ON-THE-RISE

	WB05	WB05-2BAR	WB05-OPEN-T	WB05-2RIB	WB05-3RIB	WB15	WB15-2BAR	WB15-OPEN-T	WB15-2RIB	WB15-3RIB
Thickness (Square)	1 3/4"	1 3/4"	2"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	2"	1 3/4"	1 3/4"



ON THE RISE™

Available Lengths:
34", 38", and 42"

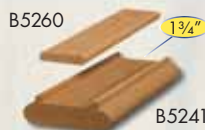
The bottom square becomes longer as the baluster height increases. The turned area is parallel to the rake (rise) of the stair. Balusters are trimmed from the bottom (loose dowel pin).

Rounded



Round
Top and
Bottom
Blocks
Available

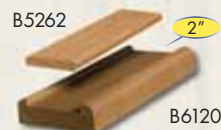
Bottom Rails



B5241



B6175



B6120

For rail
specifications
see page 52.

Over the Post

NEWELS

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
WB74	50"	27"	22"	3 1/2"
LANDING				
WB75	58"	27"	30"	3 1/2"
ANGLE (WINDER)				
WB78	73"	27"	45"	3 1/2"
VOLUTE/TURNOUT (Adjustable)				
WB60C	50"	27"	ADJ	3 1/2"

**VOLUTES/
TURNOUTS**

2 Barley
Open Twist
2 Ribbon
3 Ribbon

-2BAR
-OPEN-T
-2RIB
-3RIB

Available in 3 newel lengths: WB74, WB75, WB78
(plain shown in measurement chart)

Post to Post

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
WB80	48"	5"	24"	15 1/2"	3 1/2"
WB82	58"	5"	24"	25 1/2"	3 1/2"
WB93	62"	5"	24"	29 1/2"	3 1/2"
WB95	73"	5"	24"	40 1/2"	3 1/2"
WB98	78"	5"	24"	45 1/2"	3 1/2"
2ND FLOOR LANDING					
WB85	58"	11"	19 1/2"	24"	3 1/2"
INTERMEDIATE LANDING					
WB86	73"	14 1/2"	16"	39"	3 1/2"


2 Barley
Open Twist
2 Ribbon
3 Ribbon

-2BAR
-OPEN-T
-2RIB
-3RIB

Available in 5 post lengths: WB80, WB82, WB93, WB95, WB98 (plain shown in measurement chart)

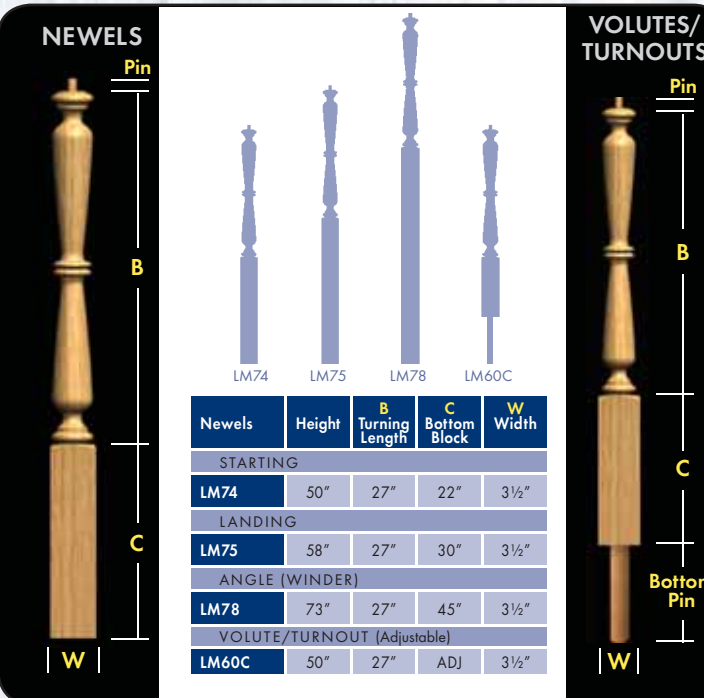
The Lomond Series features hourglass shaped turnings with center details.

Over the Post



LM74
LM75
LM78

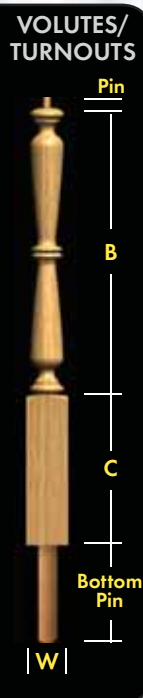
NEWELS



LM74 LM75 LM78 LM60C

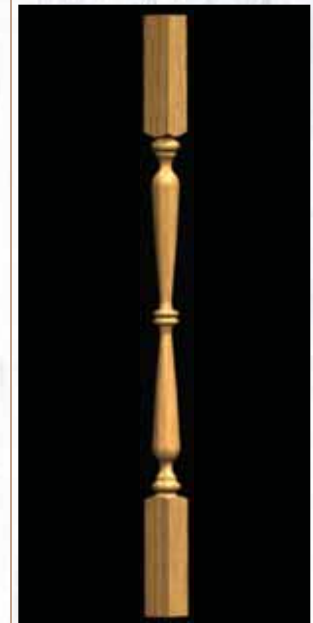
Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
LM74	50"	27"	22"	3½"
LANDING				
LM75	58"	27"	30"	3½"
ANGLE (WINDER)				
LM78	73"	27"	45"	3½"
VOLUTE/TURNOUT (Adjustable)				
LM60C	50"	27"	ADJ	3½"

**VOLUTES/
TURNOUTS**



LM60C


ON THE RISE™ BALUSTERS



LM05

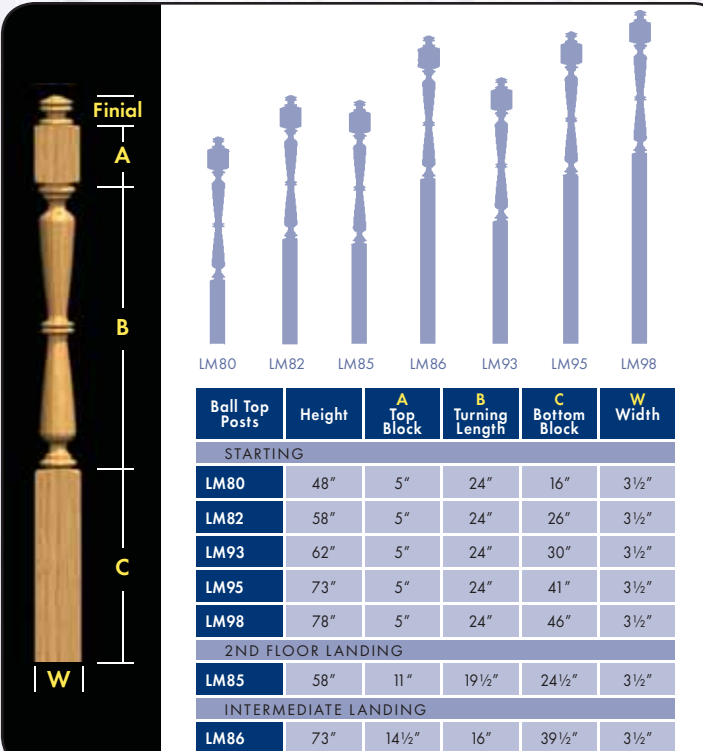
Thickness	1¾"
Available Lengths	34", 38", and 42"

Post to Post



LM80
LM82
LM93
LM95
LM98


Finial



LM80 LM82 LM85 LM86 LM93 LM95 LM98

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
LM80	48"	5"	24"	16"	3½"
LM82	58"	5"	24"	26"	3½"
LM93	62"	5"	24"	30"	3½"
LM95	73"	5"	24"	41"	3½"
LM98	78"	5"	24"	46"	3½"
2ND FLOOR LANDING					
LM85	58"	11"	19½"	24½"	3½"
INTERMEDIATE LANDING					
LM86	73"	14½"	16"	39½"	3½"

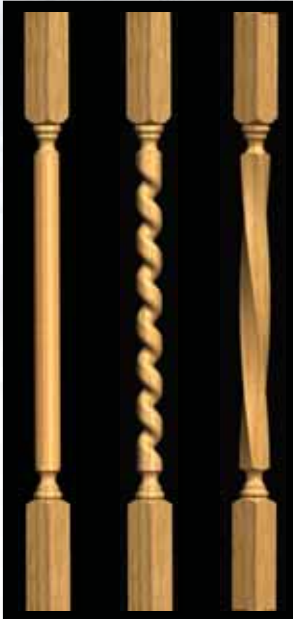
Rounded



Round
Top and
Bottom
Blocks
Available

For rail selection and specifications see page 52.

ON THE RISE™
BALUSTERS

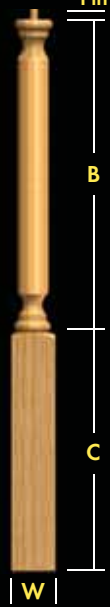
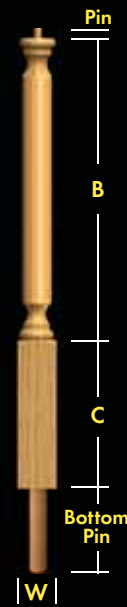


SS05 SS05-1BAR SS05-1RIB

Thickness	1 3/4"
Available Lengths	34", 38", and 42"

The Sussex Series features clean and modern non-tapered turnings.

Over the Post

Newels	Height	B Turning Length	C Bottom Block	W Width
STARTING				
SS74	50"	27"	22"	3 1/2"
LANDING				
SS75	58"	27"	30"	3 1/2"
ANGLE (WINDER)				
SS78	73"	27"	45"	3 1/2"
VOLUTE/TURNOUT (Adjustable)				
SS60C	50"	27"	ADJ	3 1/2"

1 Barley 1 Ribbon



-1 BAR -1 RIB

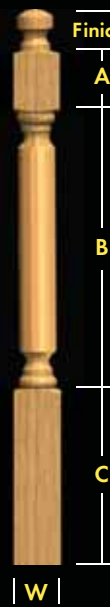

Available in 3 newel lengths:
SS74, SS75, SS78
(plain shown in measurement chart)

Post to Post

Rounded



Round Top and Bottom Blocks Available

Ball Top Posts	Height	A Top Block	B Turning Length	C Bottom Block	W Width
STARTING					
SS80	48"	5"	24"	15 1/2"	3 1/2"
SS82	58"	5"	24"	25 1/2"	3 1/2"
SS93	62"	5"	24"	29 1/2"	3 1/2"
SS95	73"	5"	24"	40 1/2"	3 1/2"
SS98	78"	5"	24"	45 1/2"	3 1/2"
2ND FLOOR LANDING					
SS85	58"	11"	19 1/2"	24"	3 1/2"
INTERMEDIATE LANDING					
SS86	73"	14 1/2"	16"	39"	3 1/2"

1 Barley 1 Ribbon



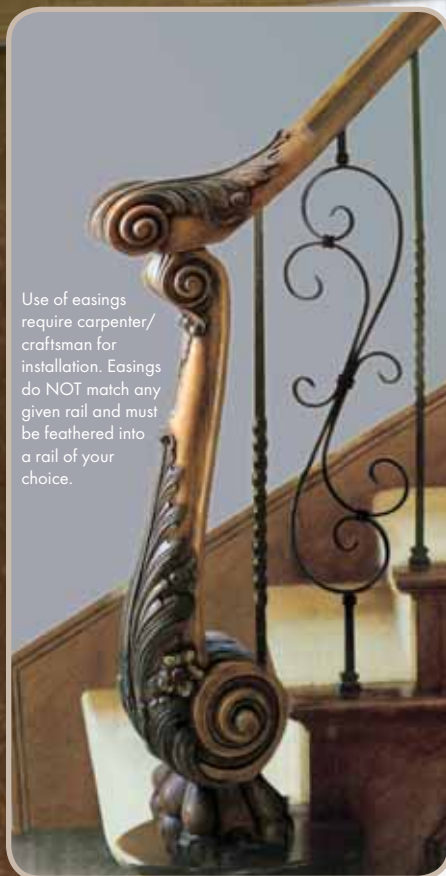
-1 BAR -1 RIB

Available in 5 post lengths:
SS80, SS82, SS93, SS95, SS98
(plain shown in measurement chart)

For rail selection and specifications see page 52.

MOD 11 Hand Carved Decorative Scroll

Use of easings require carpenter/craftsman for installation. Easings do NOT match any given rail and must be feathered into a rail of your choice.



NEWELS



BALUSTER



Straight Easing
1 1 7/8" x 5 7/8"
x 4 3/4"



Right Hand Easing
1 1 7/8" x 5 7/8"
x 4 3/4"



Left Hand Easing
1 1 7/8" x 5 7/8"
x 4 3/4"



Claw Base
6 5/16" x 6 5/16"
x 6 5/16"



MOD 14 Hand Carved Double Pen Nib



NEWEL



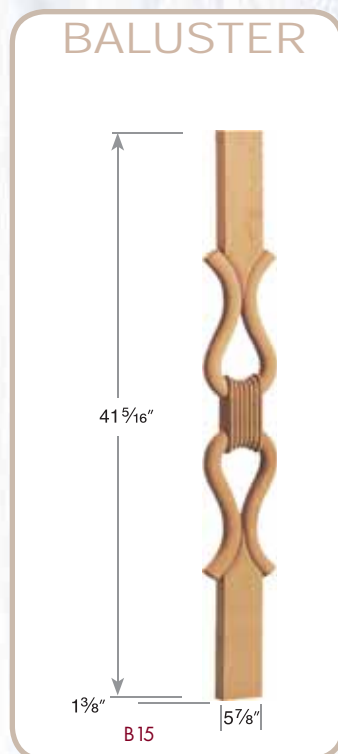
BALUSTER



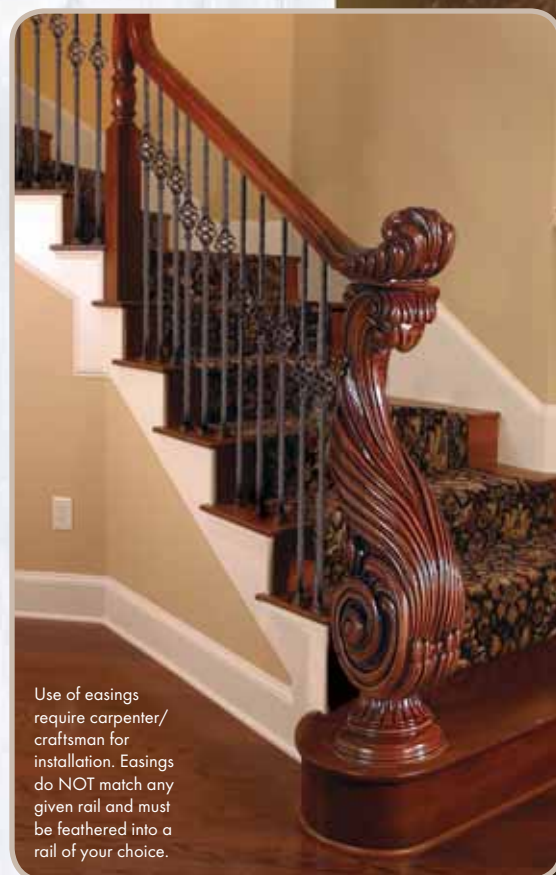
Post Tops are pictured on page 36

Euro Beech
Models 11, 14, 15, 40 and 45 are made of fine European Beech, a specie which offers much flexibility for staining options.

MOD 15 Hand Carved Decorative Twine



MOD 40 Hand Carved Enhanced Decorative Scroll



Hand Carved Newel Caps



PT680A

4 7/16" x 9 7/16"



PT680B

3 9/16" x 7 1/16"



PT690A

4 7/16" x 9 7/16"



PT690B

3 9/16" x 7 1/16"



PT700A

4 7/16" x 8 1/16"



PT700B

3 9/16" x 6 1/2"



PT705A

4 7/16" x 8 1/16"



PT705B

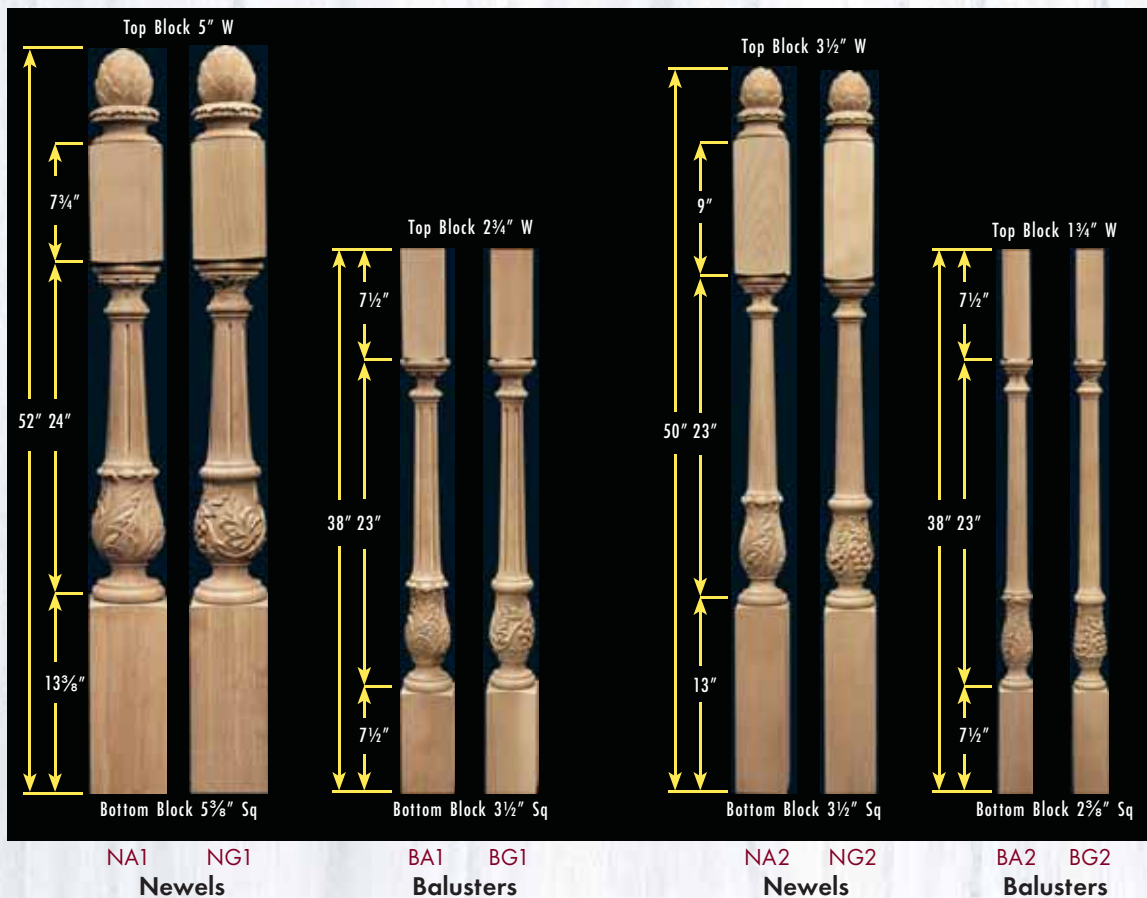
3 9/16" x 6 1/2"

MOD 45 Hand Carved Enhanced Swan



MOD 99 Hand Carved Decorative Posts and Balusters

Available in Hard Maple, Oak and Cherry.

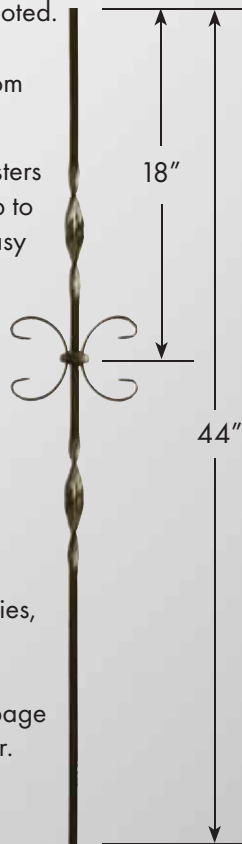




For
old
world
charm
blend
iron
and
wood.

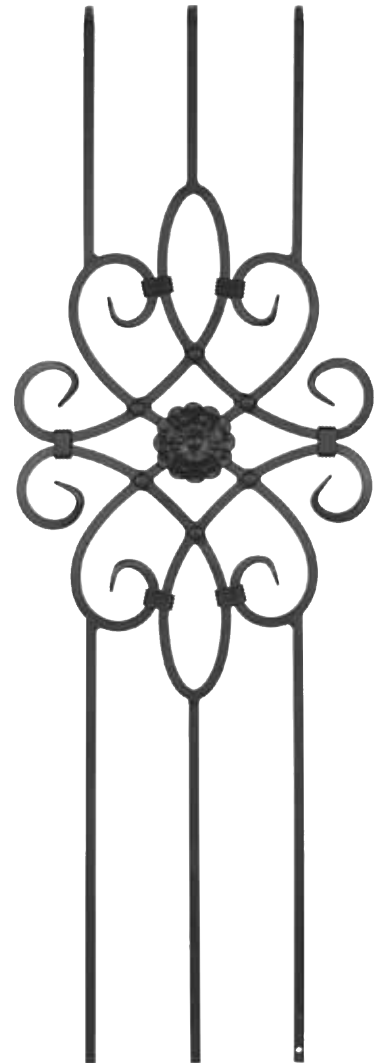
Iron Baluster Measurement Tips

- StairTrends iron balusters are 44" in length with details centered 18" from the top unless noted.
- Cut as needed from the bottom.
- Most square balusters have a domed top to the baluster for easy installation into the handrail.
- Standard balusters are 1/2" x 1/2".
- Hammered series balusters are 9/16" x 9/16".
- Mega Square series, page 50, are 3/4" x 3/4" and Venetian Round, page 49 is 5/8" diameter.



HEIGHT EXCEPTIONS

Balusters Series	Height	Page
Belly Posts	40"	44
Collarless	41"	44
M40840	40"	40
M55541	41"	39
REN PANEL	42"	39



M39944

14 7/8" W at scroll, 9" W at base x 44" H

1/2" SQUARE



Finishes

To specify your type of finish, add the letter code after each item number.



B
Flat Black
(lightly textured)



SAT
Satin Black
(smooth finish)



PC
Grey Black



ABZ
Antique
Bronze



NV
Nickel Verde
(hand rubbed)



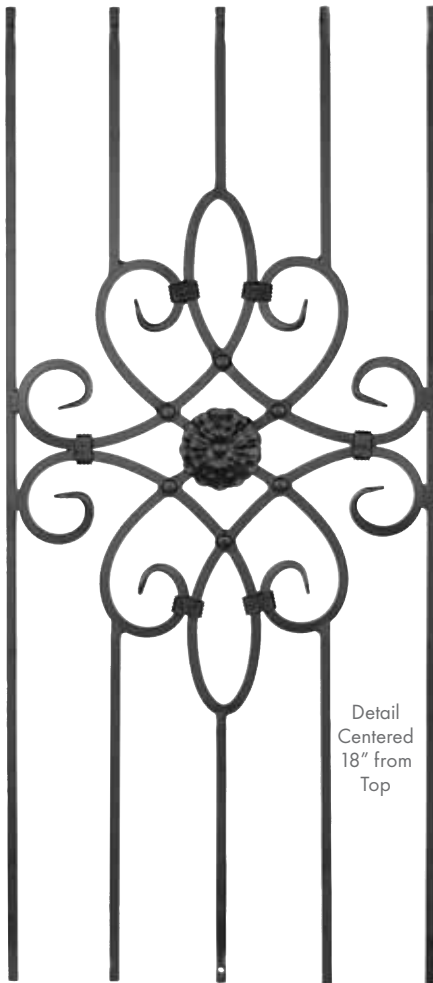
ORC
Oil Rubbed
Copper
(hand rubbed)



ORB
Oil Rubbed
Bronze
(hand rubbed)

Decorative Series

More Decorative Panel designs at StairTrends.com



M55541

17 3/4" W x 41" H

Detail
Centered
18" from
Top



30" W x 36" H

RENPANEL

N/A in NV

1/2" Baluster Thickness

1/2" SQUARE

Handrail Bracket Matching Accessories

ABZ Antique Bronze
(Textured)



3011-ABZ

PC Grey-Black
(Textured)



3012-PC

B Flat Black
(Lightly Textured)



3013-B

SAT
Smooth Satin Black



3016-SAT

NV Nickel Verde
(Hand Rubbed)



3017-NV

ORC
Oil Rubbed Copper



3018-ORC

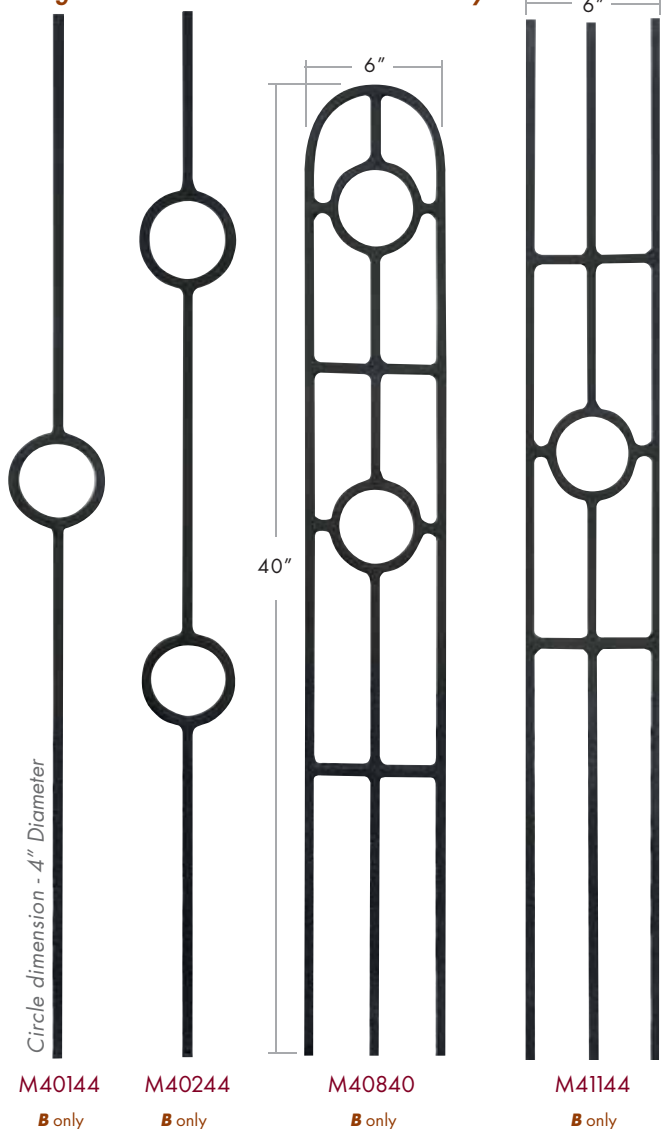
ORB
Oil Rubbed Bronze



3019-ORB

Designer Balusters & Panels

Designer Series is available in Flat Black Only



ME03



ME07



ME07PB



ME08



US05

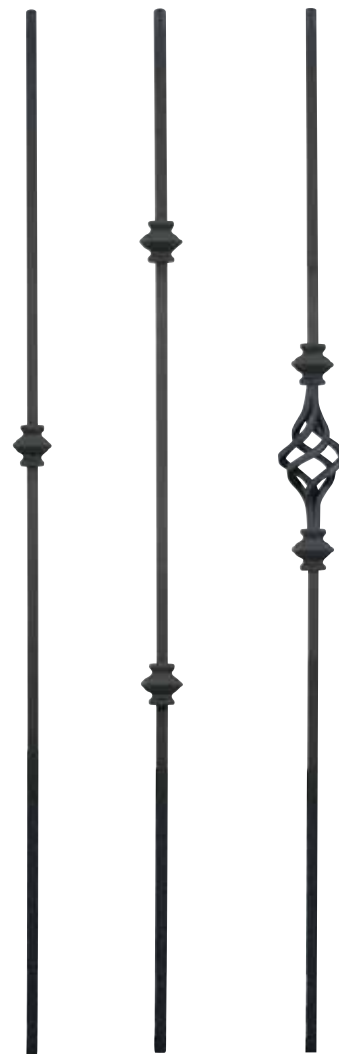
4" Diameter
Designer
Medallion

Inserts include a front and back that screw together.

ME07PB is a painted gold finish. All other designs are Flat Black.

1/2" Baluster Thickness - The top of these balusters are square, not domed.

Knuckle Square



1KNUC44 2KNUC44 2KNUC1BASK44

Tubular*

Tubular*

Solid

*NV finish is Solid

1/2" Baluster Thickness

Available
Finishes

B

Flat Black
(lightly textured)

SAT

Satin Black
(smooth finish)

PC

Grey Black

ABZ

Antique
Bronze

NV

Nickel Verde
(hand rubbed)

ORC

Oil Rubbed Copper
(hand rubbed)

ORB

Oil Rubbed Bronze
(hand rubbed)

Knuckles For use with PLA44 Plain Baluster



AK01
Adjustable
Knuckle
1 1/2" x 2"



AK03
Urn Adjustable
Knuckle
1 3/8" x 1 7/8"



AK02
Fluted Barrel
Adjustable Knuckle
1 1/2" x 1 1/2"



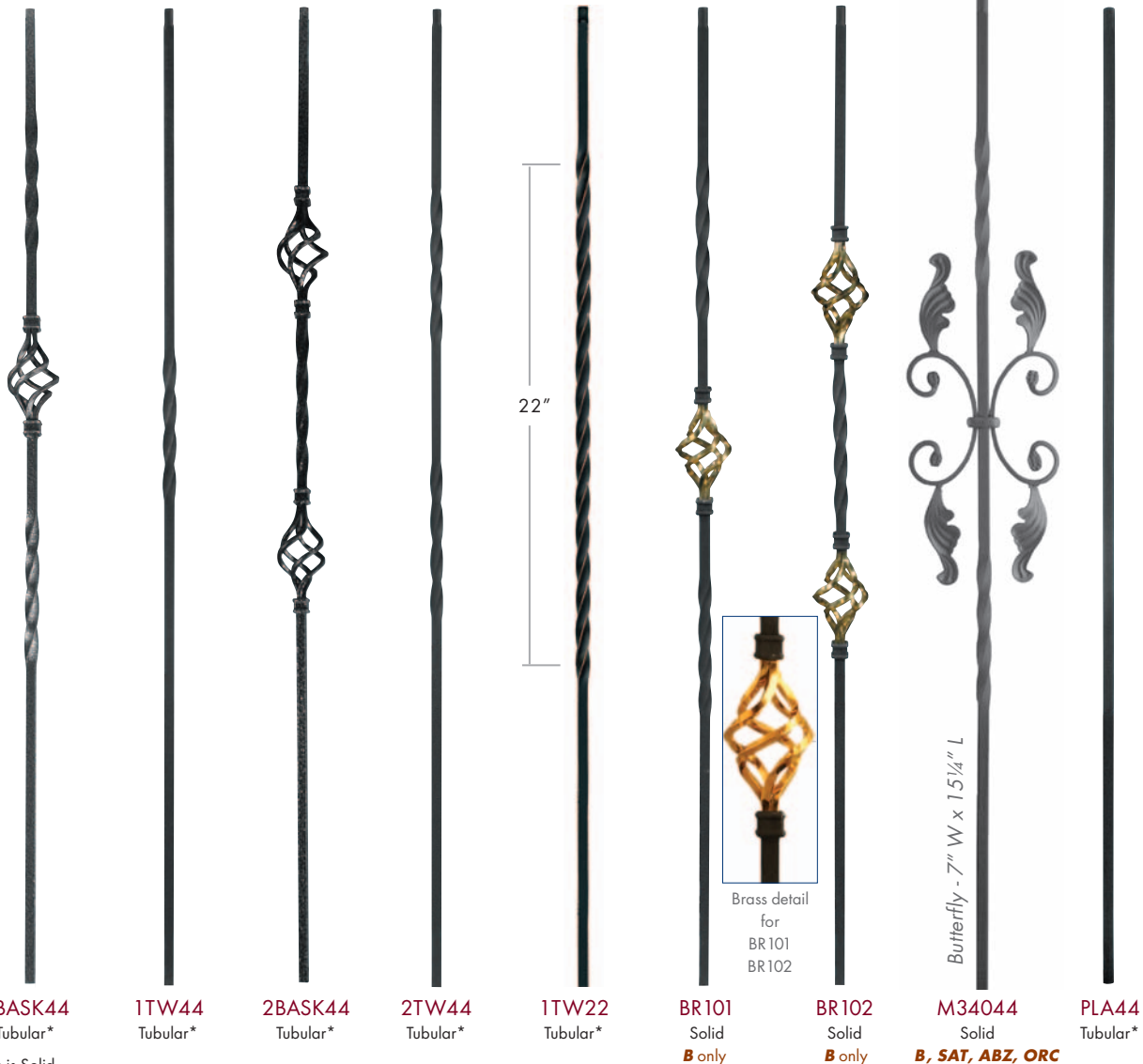
AK05
Tall Barrel
Adjustable Knuckle
1 3/8" x 2 1/4"



AK04
Fluted Deco
Adjustable
Knuckle
7/8" x 6"



Twist & Basket Square



1/2" Baluster Thickness - DOMED tops and SQUARE bottoms

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Iron Shoes for 1/2" Square Installations

IRON SHOES	Page
Universal Square	44
9/16" Square	45
All Round	47,48
3/4" Mega Square	49

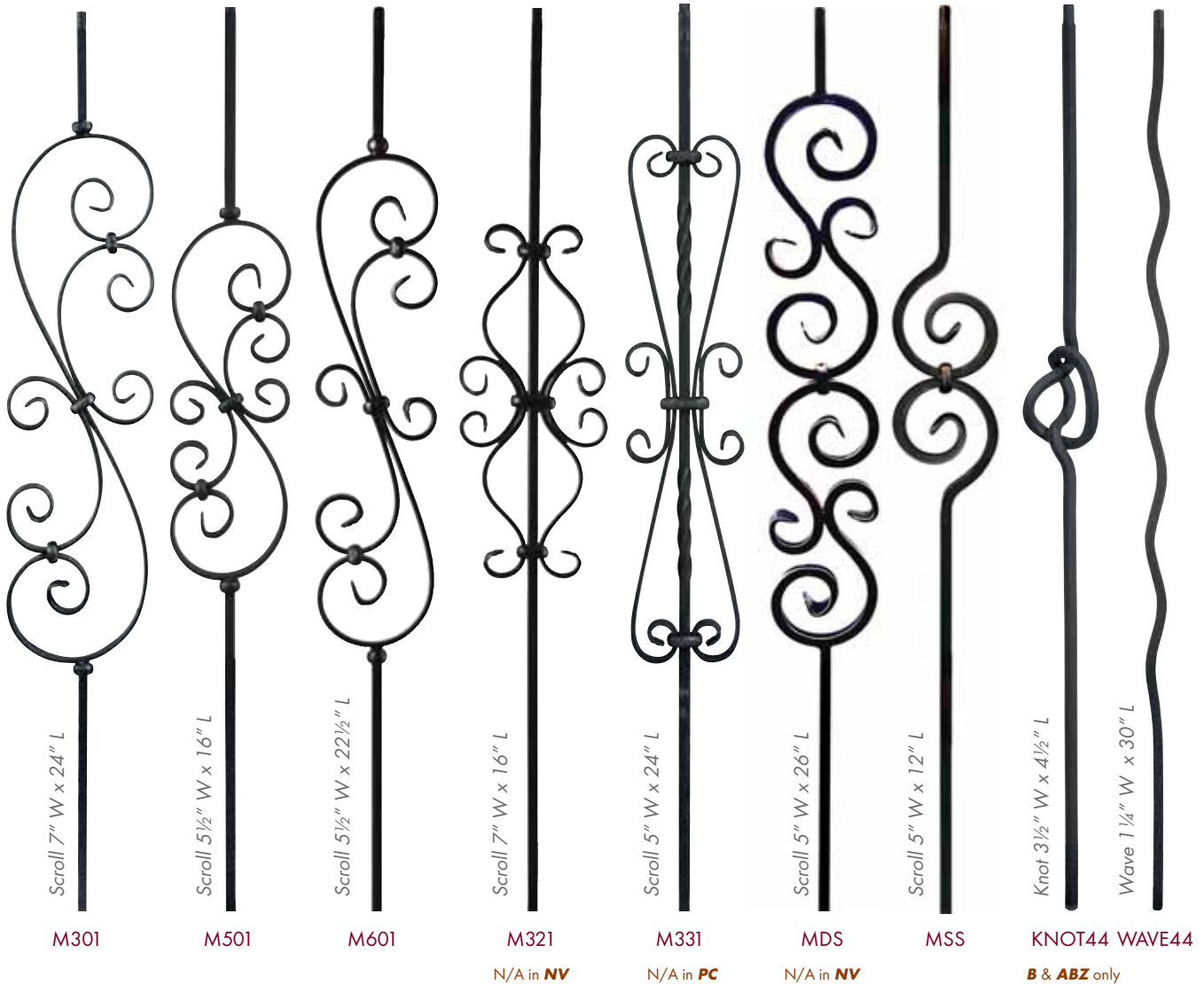


Shoe Model Number	FSH01	M06	M020	M022	SCR04	PSH02
Available Finishes	All	All	B, SAT, PC, ABZ	B, PC	All	All
Shoe Base Dimensions	1 1/2" Square	1 3/8" Square	1 7/8" Diameter	2" Square	2 1/2" X 1 1/2"	1 1/4" Square

Finishes: B (Flat Black), SAT (Satin Black), PC (Grey Black), ABZ (Antique Bronze), NV (Nickel Verde), ORC (Oil Rubbed Copper), ORB (Oil Rubbed Bronze). FSH01, M06 & PSH02 are shipped in aluminum for easy installation (Finish NV excepted). All other shoes are iron.

Scroll & Unique Square

1/2" SQUARE

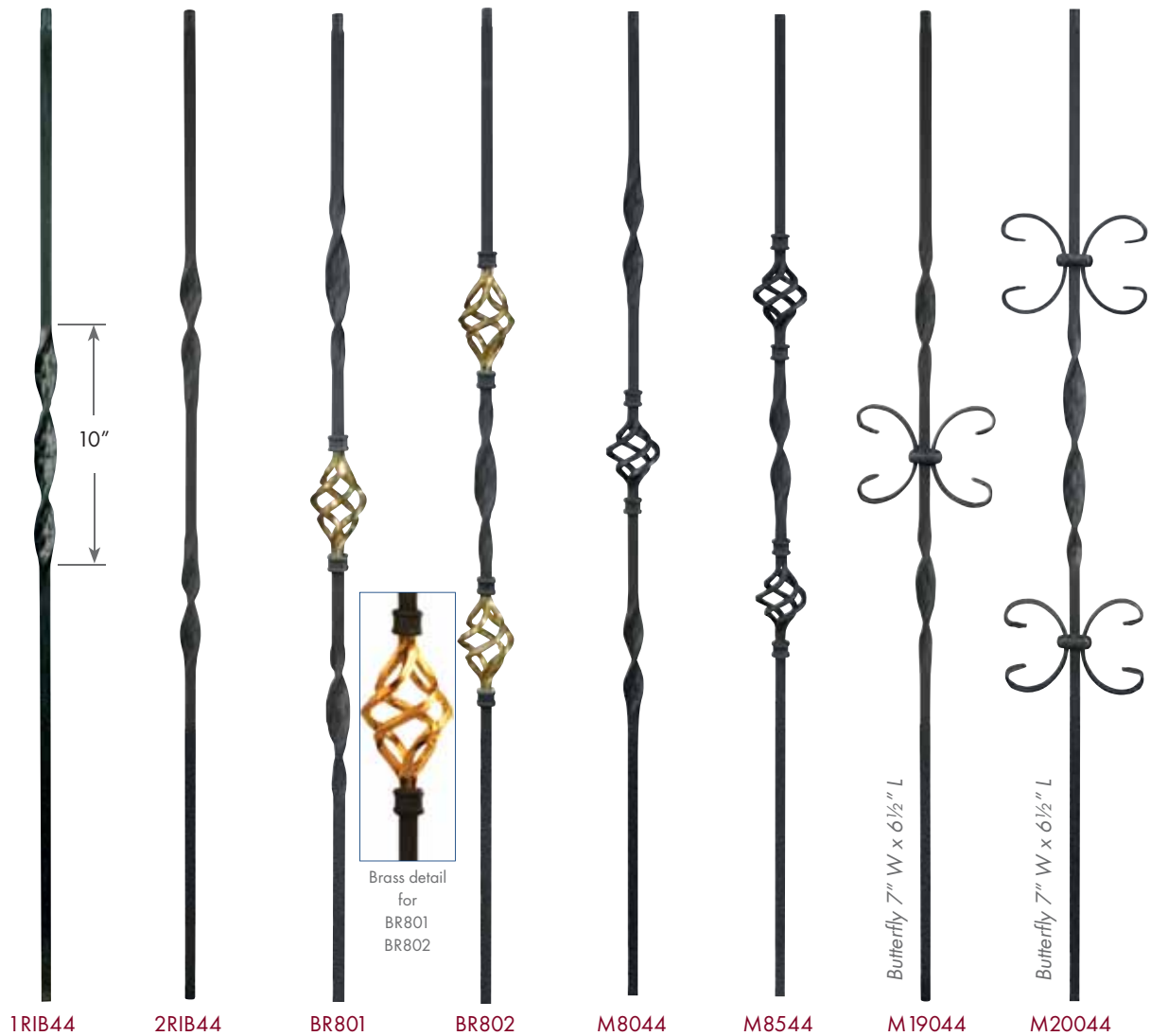


1/2" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)



Ribbon Square



B finish only

B finish only

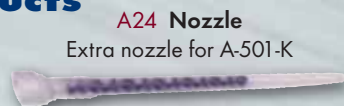
1/2" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Installation Products



A501K
Fast Setting Epoxy Kit
includes 5 oz. A-7 epoxy,
A-24 nozzle & piston
for use with standard
caulking gun
(gun not included).



A24 Nozzle
Extra nozzle for A-501-K

F120 Mixing Nozzle for F300



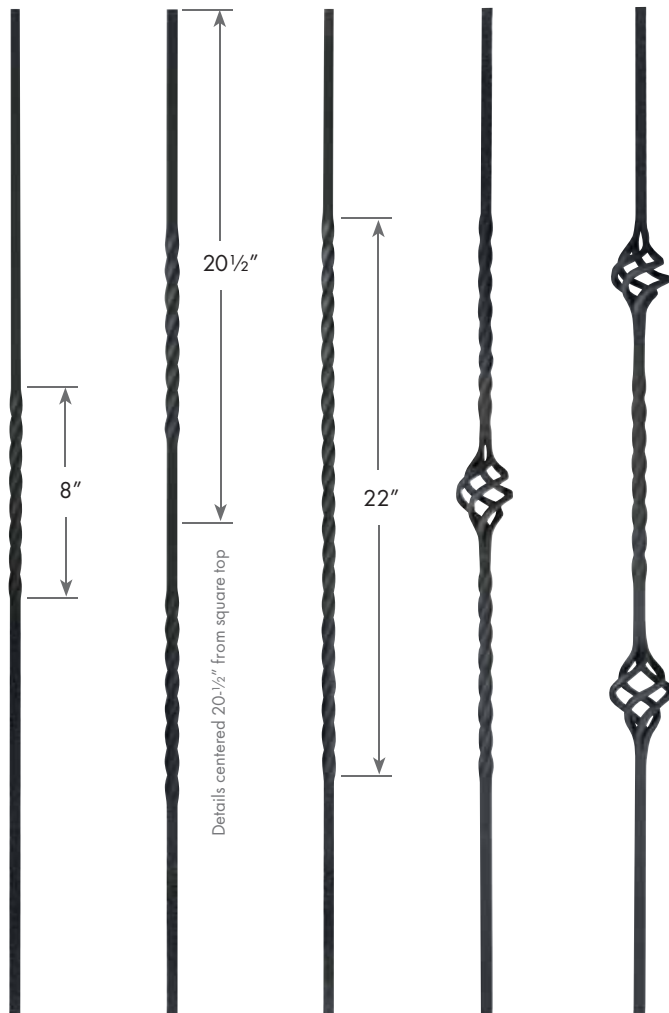
F300 Slow Cure Epoxy
20-30 minute work time. 11 oz. cartridge,
will install 60-80 balusters, both ends.
Mixing nozzle not included - order F120.



F101
Injector Tool for
F300 adhesive.

Twist & Basket Square Collarless - 41"

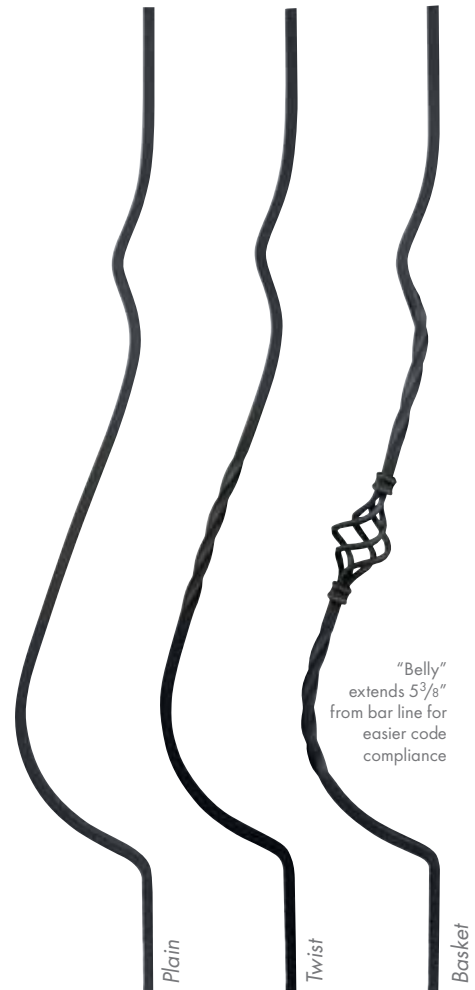
Collarless Series is available in Flat Black Only



M-1-41 B only
M-2-41 B only
M-3-41 B only
M-4-41 B only
M-5-41 B only

1/2" Baluster Thickness - SQUARE tops and bottoms

Belly Square Balusters - 40"



PLA40-BLY N/A in NV
1TW40-BLY N/A in NV
1BASK-BLY N/A in NV

1/2" Baluster Thickness - SQUARE tops and bottoms

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Universal Iron Shoes for 1/2" or 9/16" Square Installations

IRON SHOES	Page
1/2" Square	41
9/16" Square	45
All Round	48,49
3/4" Mega Square	50



Shoe Model Number	RD201	SQ301	RM020	RM201	RM301
Available Finishes	All	All	B, SAT, PC, ABZ	All	All
Shoe Base Dimensions	1 7/8" Diameter	1 5/8" Square	2" Diameter	2" Diameter	2" Square

Finishes: B (Flat Black), SAT (Satin Black), PC (Grey Black), ABZ (Antique Bronze), NV (Nickel Verde), ORC (Oil Rubbed Copper), ORB (Oil Rubbed Bronze)



Brass detail for BR161



Gothic Hammered Bar close-up

Gothic Hammered



M14344



M14044



M15044



M16044



BR161

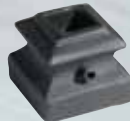
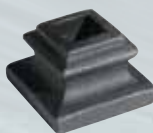
B finish only

9/16" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Iron Shoes for 9/16" Square Installations

IRON SHOES	Page
1/2" Square	41
Universal Square	44
All Round	48,49
3/4" Mega Square	50



Shoe Model Number	H03	H06	H020	H04	H05P
Available Finishes	All	All	B (Flat Black)	All	All
Shoe Base Dimensions	1 1/2" Square	1 3/8" Square	1 7/8" Diameter	2 1/2" X 1 1/2"	1 1/4" Square

Finishes: B (Flat Black), SAT (Satin Black), PC (Grey Black), ABZ (Antique Bronze), NV (Nickel Verde), ORC (Oil Rubbed Copper), ORB (Oil Rubbed Bronze). H05P & H06 are shipped in aluminum for easy installation (Finish NV excepted). All other shoes are iron.

IRON BALUSTERS

9/16" SQUARE

Santa Fe Forged Hammered



M9044 M10044 M11044 M12044 M13044

Butterfly 7" W x 6 1/2" L

9/16" Baluster Thickness

Ball Forged Hammered



M305 M308 M310

Scroll 5" W x 14.6" L

N/A in NV

9/16" Baluster Thickness

Old English Forged Hammered



M9044 M330 M13144 M13244

Scroll - 5" W x 14.6" L

N/A in NV

9/16" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Iron Shoes

see the following pages:

IRON SHOES	Page
1/2" Square	41
Universal Square	44
9/16" Square	45
All Round	48,49
3/4" Mega Square	50



Forged Hammered Bar close-up



Detail of M13144 and M13244

Scroll Forged Hammered



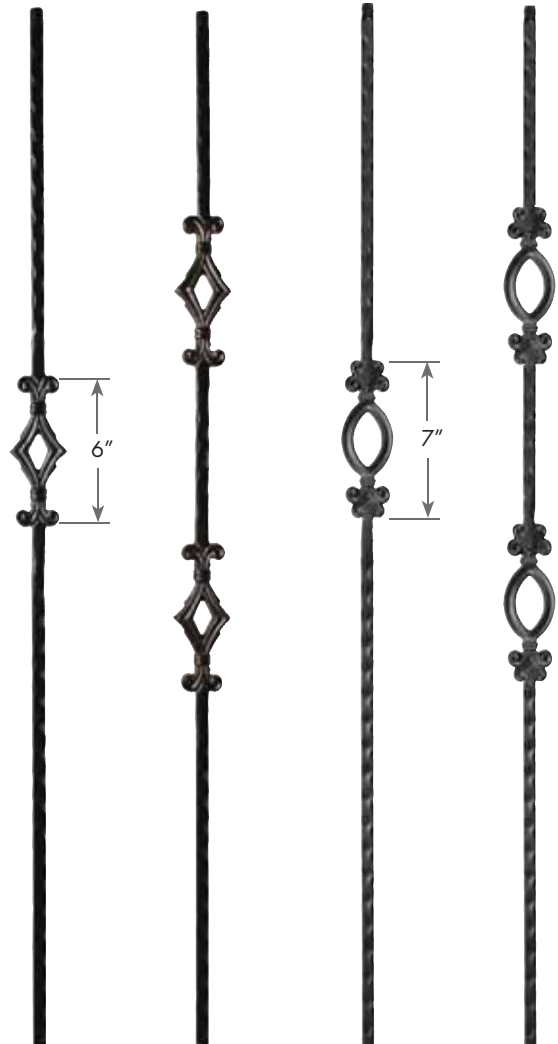
M13544
N/A in **NV**

M30344
N/A in **NV**

MHDS
N/A in **NV**

9/16" Baluster Thickness

Tudor Forged Hammered



M13344
N/A in **NV**

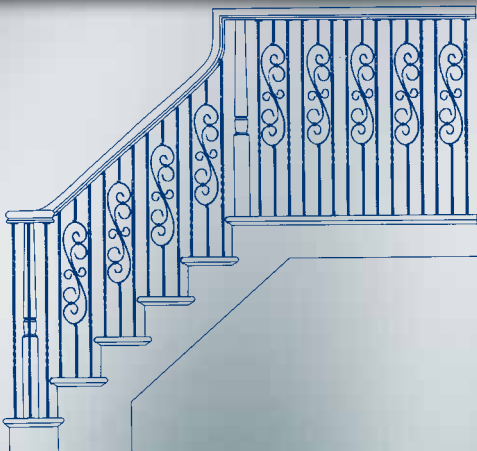
M13444
N/A in **NV**

M13644
N/A in **NV**

M13744
N/A in **NV**

9/16" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)



Detail of M13344
decorative "diamond" window



Detail of M13644
decorative "oval" window

1/2" ROUND • 9/16" ROUND

Roman Round



Round balusters have round tops and bottoms.

R60044 N/A in NV R60144 N/A in NV R60244 N/A in NV R61144 N/A in NV R61244 N/A in NV

1/2" Baluster Thickness (Textured)

Arrow Round

Arrow Round Series is available in Flat Black Only



R20044 B only R21044 B only R22044 B only R22544 B only

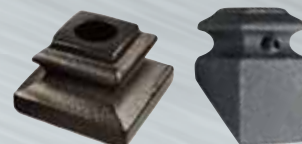
9/16" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)



Iron Shoes

for 1/2" & 9/16" Round Installations



Flat Square Shoe Pitched Shoe

For 1/2" round balusters	R08F	R09P
For 9/16" round balusters	R07F	R06P
Shoe Base Dimensions	1 1/2" Square	1 1/4" Square

Finishes: • 1/2" shoe: All finishes - except NV
• 9/16" shoe: B only

Gothic Round

Available in Flat Black Only



R54344 R54044 R55044
B only B only B only

9/16" Baluster Thickness

Venetian



R-65044 R-65244 R-65644 R-65844
N/A in NV N/A in NV N/A in NV N/A in NV

5/8" Round

Matching Iron Newels



NEWL-140GOTHIC NEWL-BASK48 NEWL-RIB48 NEWL-TW48

1-3/16" Thick x 48" Long including 1" Pin Top

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

Venetian



Detail of Venetian R65044 decorative center



R10 Flat Round Shoe designed for Venetian style 2" diameter (pitched shoe not available)



NC101 Newel Anchoring System w/Shoe

Iron Newel Anchoring System

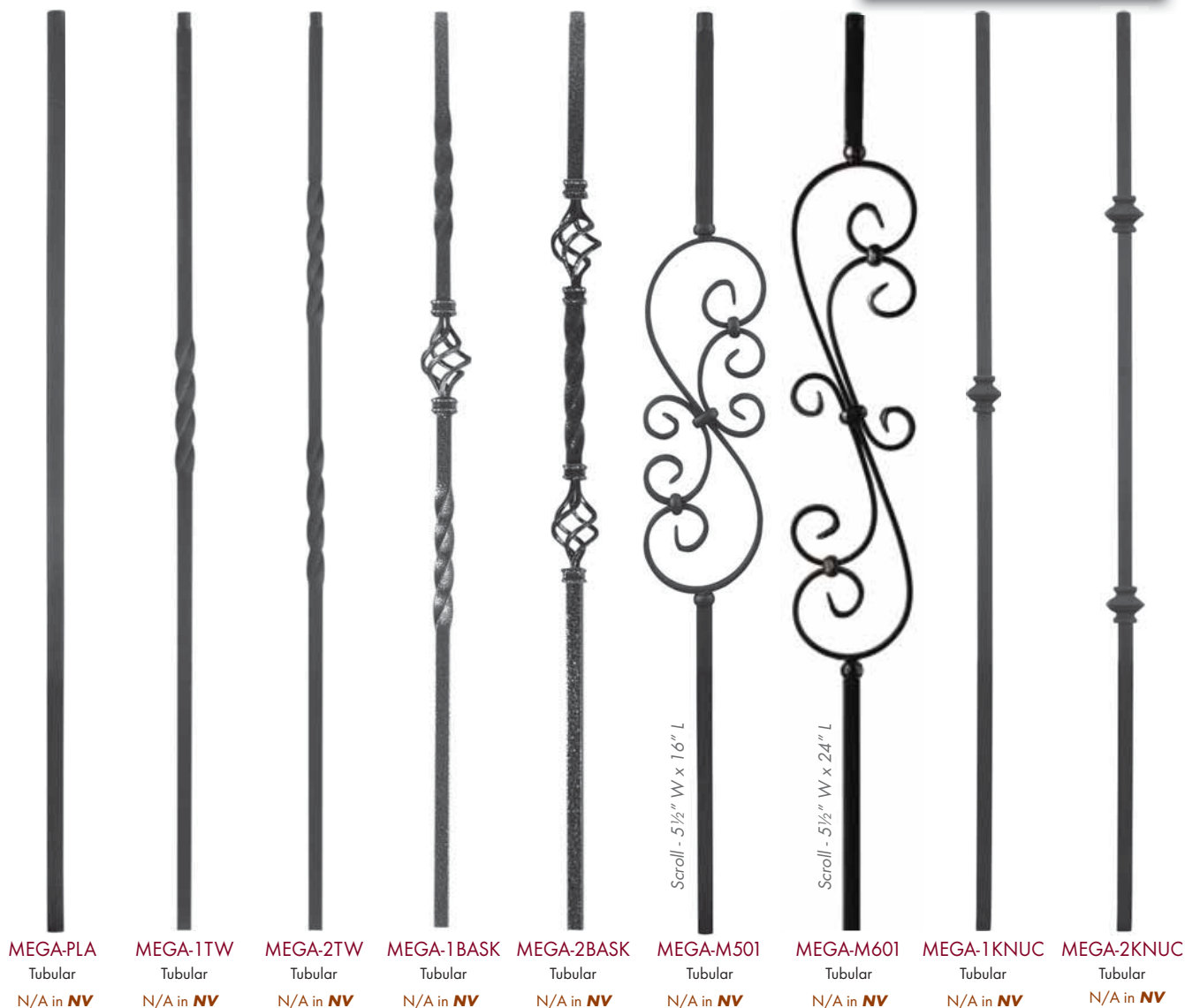
Available in 7 finishes:

- Satin Black (SB)
- Flat Black (B)
- Antique Bronze (ABZ)
- Grey-Black (PC)
- Oil-Rub Copper (ORC)
- Nickel Verde (NV)
- Oil Rub Bronze (ORB)

3/4" MEGA Square Balusters

All MEGA balusters are rounded to 9/16" diameter on top for easy installation into handrail hole.

3/4" SQUARE



TUBULAR 3/4" Baluster Thickness

Available Finishes	B	SAT	PC	ABZ	NV	ORC	ORB
	Flat Black (lightly textured)	Satin Black (smooth finish)	Grey Black	Antique Bronze	Nickel Verde (hand rubbed)	Oil Rubbed Copper (hand rubbed)	Oil Rubbed Bronze (hand rubbed)

MEGA Iron Shoes for 3/4" Square Installations

IRON SHOES	Page
1/2" Square	41
Universal Square	44
9/16" Square	45
All Round	48,49



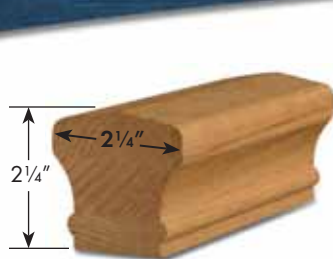
Shoe Model Number	MEGA-M08	MEGA-PSH08	MEGA-FSH08	MEGA-RD208	MEGA-SQ308
Available Finishes	All (except NV)	All (except NV)	All (except NV)	All (except NV)	All (except NV)
Shoe Base Dimensions	1 1/2" Square	1 1/2" Square	1 3/4" Square	2" Diameter	2" Square

Finishes: B (Flat Black), SAT (Satin Black), PC (Grey Black), ABZ (Antique Bronze), NV (Nickel Verde), ORC (Oil Rubbed Copper), ORB (Oil Rubbed Bronze)

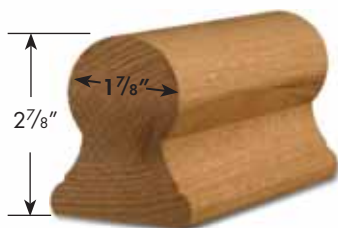


Handrails, Fittings and Accessories

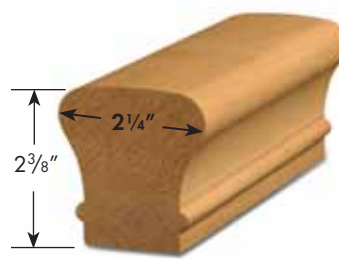
HANDRAILS



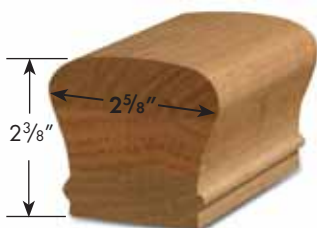
B5000
Available Plowed for 1 1/4"



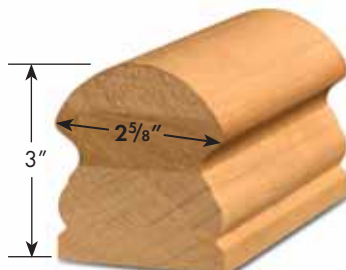
B5100
Available Plowed for 1 1/4" or 1 3/4"



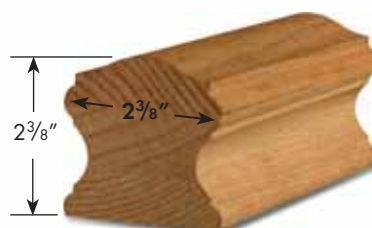
B5200
Available Plowed for 1 1/4"



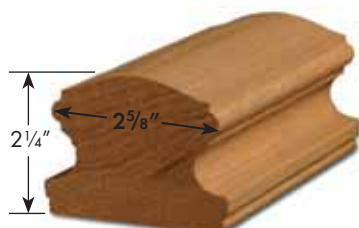
B5208
Available Plowed for 1 3/4"



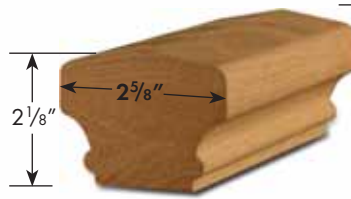
B5226
Available Plowed for 1 3/4" or 2"



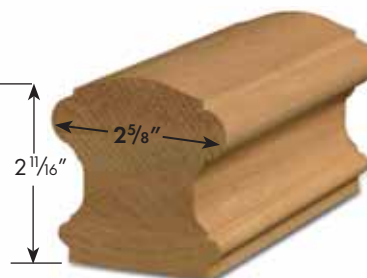
B5310
Available Plowed for 1 3/4"



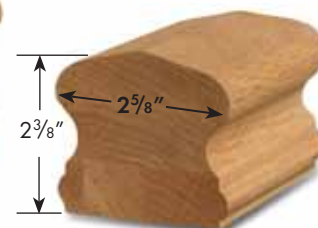
B5400
Available Plowed for 1 3/4" or 2"



B5500
Available Plowed for 1 1/4"



B5700
Available Plowed for 1 3/4"



B5900
Available Plowed for 1 3/4"

For Bending Rail add "-B" to rail number. See our website for bending limitations. Pre-bent rail is available for tight radius applications.

CONTEMPORARY RAILS

Rails	Width	Height
B5235	1 5/8"	3 1/2"
B5255	1 5/8"	5 1/2"
B5275	1 5/8"	5 1/2"
B5285	1 1/4"	5 1/4"
B6100	2 3/4"	1 5/8"



B5235



B5255



B5275

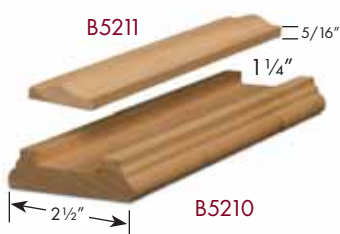


B5285

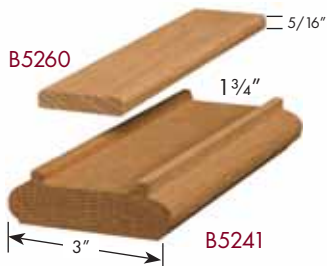


B6100
Available Plowed
for 1 1/4" or 1 3/4"

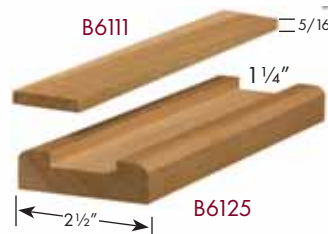
SHOE RAILS & FILLETS



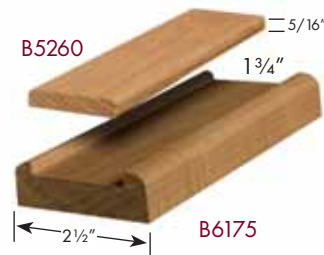
B5210



B5241



B6125



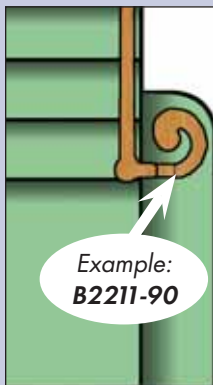
B6175

HANDRAIL	B5000	B5100	B5200	B5208	B5226	B5310	B5400	B5500	B5700	B5900
FITTING	B20--	B21--	B22--	B28--	B26--	B23--	B24--	B25--	B27--	B29--

Fittings may be ordered as plowed for square top balusters – add the suffix “-P” to the fitting number.

FITTING OPTIONS

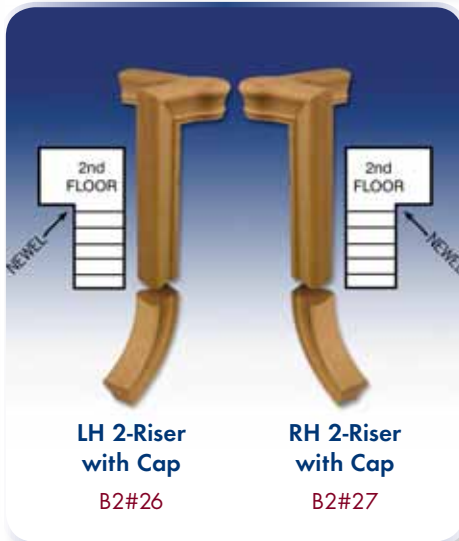
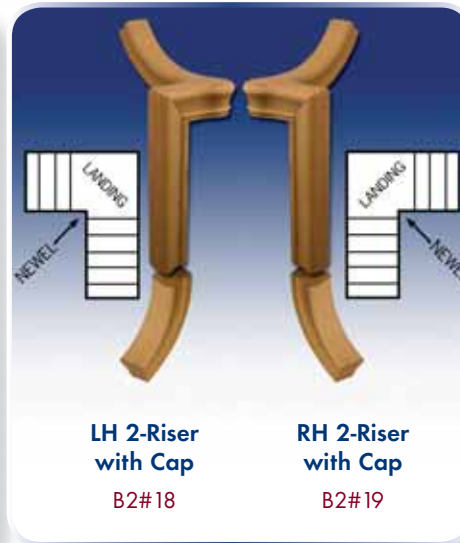
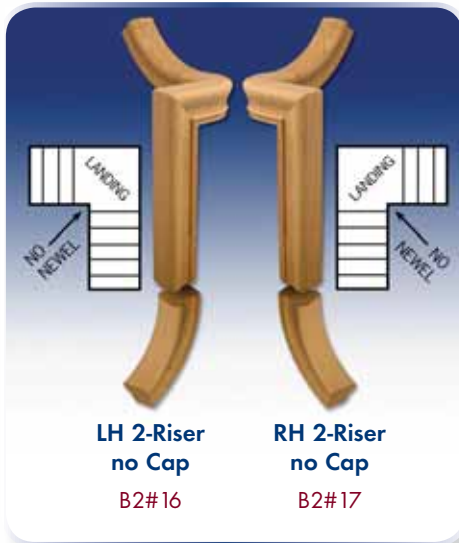
All **Starting Fittings** are available with a 90° up easing attached. Specify the fitting with a -90 suffix.



90° Fittings can be ordered as 135°.



GOOSENECKS



Goosenecks can be job cut for 1-rise application. To obtain a 3 or 4 rise gooseneck fitting for a winder application add a piece of rail to a 2-rise fitting.

ROSETTES



B2205
4 1/2" Diameter
B2205B
6" Diameter



B2205A
4 7/16" x 6 1/2"
B2205C
6" x 7 3/8"



B2205SQ
4 5/8" Square



B2205REC
4 5/16" x 6"



WALL BRACKETS

Decorative wall brackets add elegance to open tread stairs.



B2236
11 1/2" x 8"



B2237
11 1/2" x 8 1/8"

NEWEL POST TOPS



PT9904
2 3/4" x 3 7/8"



PT9935
3 1/4" x 4 7/8"



PT9937
3 1/8" x 3 3/4"



PT9938
3 1/4" x 4 7/8"



PTLM
3" x 2 1/2"



PTSS
3" x 3"



PT9940
2 3/4" x 2 3/8"



PT9990COL
3 1/4" x 4 1/2"



PT9990-AC
3 1/4" x 4 1/4"



PTBY-RB
3 1/4" x 3 3/4"



PTME-PB
3 1/4" x 3 3/4"

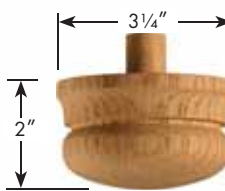


PTWB
3" x 3"

NEWEL DROP



ND99



ND399

WALL RAILS



B5205



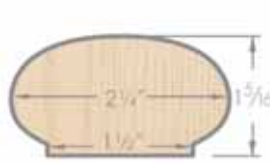
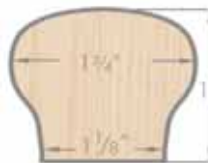
B5203



B5207



B5042



WALL RAIL FITTINGS

Quarterturn



Up Easing



Over Easing



Wall Rail Fittings Cross Reference Chart

RAIL	QUARTER-TURN	UP EASING	OVER EASING
B5203	B5213	B5214	B5215
B5207	B5217	B5218	B5219
B5042	B5021	B5022	B5023

STARTING STEPS

STARTING STEP includes Shoe and Cove. Risers are $\frac{3}{4}$ " x 7", total Rise $8\frac{1}{32}$ "; single Bullnose treads are reversible.

6 $\frac{1}{4}$ " Radius - use with Volutes and Turnouts



Single Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnose
B6203	48"	11 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "
B6205	60"	11 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "
B6206	72"	11 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "



Double Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnoses
B6256	42"	11 $\frac{1}{2}$ "	21"
B6258	48"	11 $\frac{1}{2}$ "	21"

Above starting steps accommodate Volutes and Turnouts in rail profiles B5200, B5208, B5000, B5310 and with Turnouts for B5500.

7 $\frac{3}{16}$ " Radius - use with Volutes, Turnouts and Climbing Volutes



Single Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnose
B6303	48"	11 $\frac{1}{2}$ "	12 $\frac{1}{4}$ "
B6305	60"	11 $\frac{1}{2}$ "	12 $\frac{1}{4}$ "



Double Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnoses
B6356	42"	11 $\frac{1}{2}$ "	24 $\frac{1}{2}$ "
B6358	48"	11 $\frac{1}{2}$ "	24 $\frac{1}{2}$ "

Above starting steps accommodate Volutes and Turnouts in rail profiles B5100, B5400, B5226, B5700 & B5900 and with Volute for B5500. Also use these steps for all climbing volutes.

8 $\frac{7}{8}$ " Radius - use with Box Newels



Single Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnose
B6263	48"	11 $\frac{1}{2}$ "	12 $\frac{1}{4}$ "
B6265	60"	11 $\frac{1}{2}$ "	12 $\frac{1}{4}$ "



Double Bullnose

ITEM	Width of Cut-Out	Tread Depth	Bullnoses
B6281	42"	11 $\frac{1}{2}$ "	24 $\frac{1}{2}$ "
B6283	48"	11 $\frac{1}{2}$ "	24 $\frac{1}{2}$ "
B6285	60"	11 $\frac{1}{2}$ "	24 $\frac{1}{2}$ "

Above starting steps are for use with BOX NEWELS and any rail.

7" Radius - use with Box and Square Top Newels and 90° Starting Fittings



Single Bullnose

ITEM	Tread Width	Tread Depth	Bullnose
B6233	48"	11 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "
B6433	48"	14"	10 $\frac{1}{2}$ "
B6633	60"	16"	10 $\frac{1}{2}$ "



Double Bullnose

ITEM	Tread Width	Tread Depth	Bullnoses
B6251	42"	11 $\frac{1}{2}$ "	21"
B6253	48"	11 $\frac{1}{2}$ "	21"
B6255	60"	11 $\frac{1}{2}$ "	21"
B6453	48"	14"	21"
B6653	48"	16"	21"

Use B6233, B6251, B6253, B6255 with Box Newels or when using a square top newel on the 2nd riser. Use B6433, B6453, B6633 and B6653 with fittings that have a 90 degree up-easing attached. B6433 & B6453 are used with B5200, B5208, B5000, B5310 volutes and turnouts and B5500 & B5100 turnouts. B6633 & B6653 are used with B5100 & B5500 volutes and B5400, B5226, B5700 & B5900 with volutes and turnouts.

Bowed Starting Steps - use with Volutes and Turnouts



Single Bullnose



Double Bullnose

ITEM	Width of Cut-Out	Bullnose	Bowed Treads are 11 $\frac{1}{2}$ " and project to 14 $\frac{1}{2}$ " at center.	ITEM	Width of Cut-Out	Bullnoses
B6703	48"	9 $\frac{3}{4}$ "		B6758	48"	19 $\frac{1}{2}$ "



Above starting steps accommodate Volutes and Turnouts in rail profiles B5200, B5208, B5000, B5310 and with Turnouts for B5500

TREADS: 10 1/2", 11 1/2", 13 1/2"

Treads are 1 1/16" thick. Available in Lengths: 36", 42", 48", 54", 60", 72" and Lineal.



Plain Tread - Nosed

Mitered Return Treads
Specify Right or Left Hand
(RH pictured)

Mitered Returns 2-Ends
Specify the distance between
the returns.

Winder tread blanks are available (not pictured)

RISERS



Risers
Available in 3/4" x 7 1/2"
or 3/4" x 8"

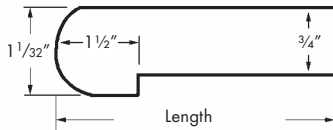
LANDING TREADS



B8090-3 (3 1/2" L)



B8090-5 (5 1/2" L)



RETURN NOSING

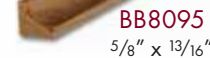


B8080
1 1/16" x 1 1/4" LF
1 1/16" x 1 1/4"-13"

COVE MOULDS



BB100
1 1/16" x 1 1/16"



BB8095
5/8" x 13/16"

SHOE MOULD



BB129
7/16" x 1 1/16"

TREAD MOULD



B8077
1 1/4" x 1 13/16"

BENDABLE LANDING TREADS



B8090-6B
6 1/2" L
B8090-5B
5 1/4" L

FALSE END STARTING STEPS, TREADS & RISERS

Reversible



False End Starting Step

B6203-2
6 1/4" radius

B6303-2
7 3/16" radius

False End starting steps and treads are used when carpeting the center of the stairs. Use B6203-2 or B6303-2 when using a turnout or a volute.



B8079
False End Kit
- Unassembled

False End Tread with Return
(Specify LH or RH)



B8071-LH



B8071-RH

DIMENSIONS: Inside 5 1/4" x 12 3/4"
Outside 6 1/2" x 14"

False End Tread



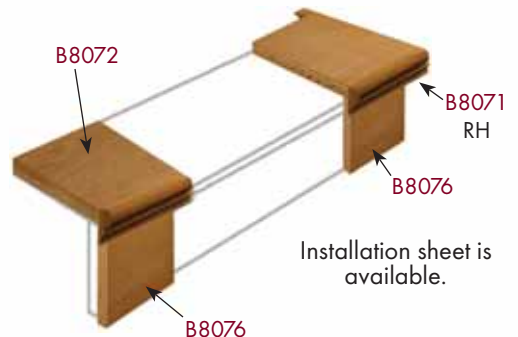
B8072

DIMENSIONS: Inside 6" x 11"
Outside 6" x 12 1/4"

False Riser



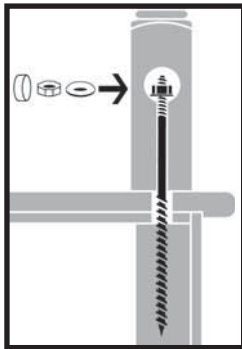
B8076
5 1/4" x 8"



Installation sheet is available.

SURE-TITE™ B3008 Newel Fastening System

Contains:
1-11" lag bolt
1 washer
1 nut
2 plugs (1 oak
and 1 poplar)



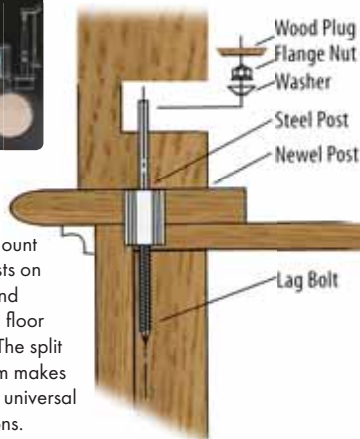
- Uses floor joists for support
- No additional framing needed
- Installs in as little as 10 minutes
- Needs no mortising or coping
- Will not loosen over time
- Exceeds stair code strength requirement.
- Tools Required
Drill Bits: 3/8", 5/8", 1 1/2"
Box End Wrench: 3/4"

Newel Post Fasteners

B3009 and B3019 L-Brackets come with 4 super heavy-duty extruded brackets, 28 hardened screws and mitered trim. Specify 3009 for 3" newels and 3019 for 3 1/2" newels. Available in Red Oak, Poplar, Maple and Cherry.



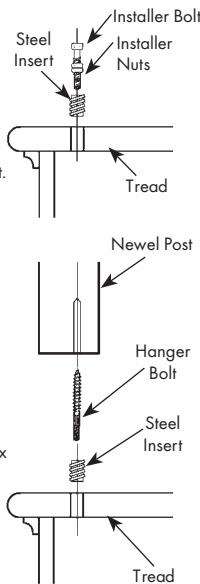
Threadlock™ B3070 Newel Post Fastener



Used to mount newel posts on finished and unfinished floor surfaces. The split bolt system makes it easy for universal applications.

Newel Kit B-3004

1. Locate center of newel on floor. Drill 5/8" hole in to the floor a min. of 1 1/4" deep.
2. Install the 2 hex-nuts on to the installer bolt and lock them together leaving at least 1/4" of threads exposed on the end of the bolt to receive the steel insert. Thread the steel insert on to the installer bolt until the steel insert lightly contacts the hex nuts.
3. Install the steel insert into the floor (min. of 1/8" under fin. floor). Remove the installer bolt. Remove the 2 hex nuts from the installer bolt and install them on to the 5" hanger bolt locking them together.
4. Drill a 5/16" pilot hole in the bottom of the newel. Remove hex nuts.
5. Thread the newel into the steel insert. Use construction adhesive under the newel during final assembly.

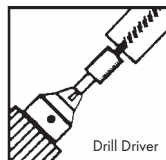


Keylock™ Newel Fastener B-3005

- Includes:
- 1 - 3/8" x 5" Lag Bolt
 - 1 - 3/8" x 1 7/8" x 2 5/8" Steel Inlet Plate
 - 4 - #10 x 3 3/4" Wood Screws



Baluster Fasteners



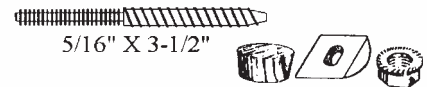
- B3076 - Dowel Screws in quantity of 50
- DS2501 - Individual Dowel Screw
- B3033 - Drill Driver for Dowel Screws

Buttons & Plugs



- B6403 - 3/8" Button
- B6404 - 1/2" Button
- B6410 - 1" Button
- B6803 - 3/8" Flat Head Plug
- B6804 - 1/2" Flat Head Plug
- B6810 - 1" Flat Head Plug
- B6811 - 1 1/2" Flat Head Plug

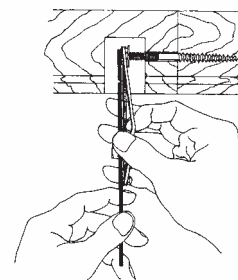
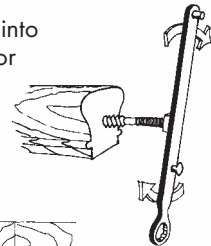
Rail Bolt with 1" Plug



- B6805 - Rail Bolt with washer, nut and plug
- B3032 - Rail Bolt Drill Driver

Rail Bolt Installer B92

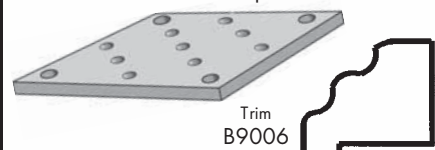
Install Lag into
Rail, Post, or
Fitting.



Threads the nut onto a rail bolt with the aid of a rubber band and allows for access to the nut for tightening.

Newel Mounting Plate

Fits 3" to 3 1/2" Square Newels



- B3006 - Plate with Trim* and Screws
- SNMP4 - Plate only with screws
- B9006 - Trim Only 1 1/8" x 1 1/16"

*Trim available in Oak, Poplar, Cherry, Maple

Hand Rail Brackets

Brackets are available in all popular finishes.



HR4235

Wall to rail center line 2 5/8".

- For Solid Brass specify HR059B.
- For 3 1/2" projection specify HR312.



HR601

Wall to rail center line 2 3/4".

NOTE: See page 39 for powder coated brackets with a 3/4" center line.

WE represent the finest in quality craftsmanship, integrity, strength and natural hardwood beauty. It is the responsibility of the purchaser to follow code regulations and install our stair products in accordance with all local or national building codes. Note: all products in this catalog are designed for interior application only.

- **Number of Risers:** Ideal riser height is $7\frac{1}{2}$ " and should not exceed 8" in height.

The overall rise (finished floor to finished floor height) divided by the riser height will give you the number of risers (round this figure). The overall rise divided by the number of risers gives you the net riser height.

Example:

Overall rise of $106\frac{3}{4}" \div 7\frac{1}{2}" = 14.23$
number of risers. Rounding down gives you 14 risers. Net height of each riser is $106\frac{3}{4}" \div 14 = 7\text{'-}5/8"$.

- **Tread Size:** The number of treads will always be one less than the number of risers.

(In our example 13 treads) The overall run (horizontal distance from first riser to landing) divided by the number of treads is the tread run. The tread run plus 1" for the tread nosing is your overall tread size.

Example: Overall run of $133\frac{1}{4}"$.

Tread run = $133\frac{1}{4}" \div 13 \text{ treads} = 10\frac{1}{4}"$
tread run. Actual net tread size needed would be $10\frac{1}{4}" + 1" = 11\frac{1}{4}"$. If you have the room you may adjust the overall run to make the tread size come out even.

For stairs open on one side order mitered return treads and specify returned 1 end. When facing the stair at the bottom of the stair a right hand (RH) open stair will be open on your right hand side.

For stairs open two sides specify returned two ends. Specify the distance between the mitered returns.

- **Stringer Board or Skirtboard:** Stringer board should be ordered at 13" per tread plus any additional for extension past the first and last risers.

In our example $13 \text{ treads} \times 13" = 169"$.

- **Landing Tread:** Use the B8090 is suitable for newels 3" thick. For thicker newels specify BB8090-5 (newels wider than 4" may require a custom landing tread). Order enough lineal footage to cover your balcony and the width of each tread at every landing

- **Cove Moulding:** Order lineal footage to place under landing tread and under each tread and mitered return.

- **Handrail:** Check local building codes for a "graspability" rule (width of handrail at the point where you would grab the handrail). Choose your handrail accordingly (most codes allow up to 2-5/8" width).

Handrail lengths can be figured at a rate of 13" per tread plus your straight balcony.

We offer lengths in 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, and 16 feet.

Note: Some local codes require a continuous rail from the bottom of the stair to the 2nd floor. In applications where the first few treads are open ended and the remaining treads are closed (by a wall) you may need to use fittings B2#12 or B2#13.

- **Wall Rail:** Check local building codes for wall rail requirements. Wall rail lengths can be figured at a rate of 13" per tread. Wall rail brackets should be placed at start and finish of each run with additional brackets every 2'-3'. All of our standard rails may be used for wall rails.

- **Balusters per Tread:** "Four Inch Sphere Rule". There must be no place in the balustrade where a 4" sphere can pass through. You may be required to use 3 balusters per tread to satisfy this rule.

- **Balusters:** Check local building codes for balcony height (top of rail to top of floor). Most codes call for a minimum of 36". Some local codes require 42".

For balcony runs place 4" - 6" on center (remember the 4" sphere rule). Subtract one baluster for each newel post (not including your 1st newel) and subtract one baluster from the total to allow for the end of the balcony.

Rake handrail height is the distance from the top of the handrail to the top of the leading edge of the tread. Current codes call for a distance between 34"-38". Check your local codes.

If using a 30" rake code then your baluster heights per tread will be 31" and 34" [31", 34" and 36" if using three balusters]. Use our **On • the • Level** balusters for this application.

Baluster heights for a 34" rake code can vary depending on rise/run being used.

On • the • Level and **On • the • Rise** balusters may be used for this application.

For a $7\frac{1}{2}"$ rise and a $9\frac{1}{2}"$ run ($10\frac{1}{2}"$ tread) the baluster heights would be 34" and 38".

Volute balusters: 30"- 34" rake code

- For $1\frac{1}{4}"$ balusters use 6 balusters 36" long.
- For $1\frac{3}{4}"$ balusters use 4 balusters 36" long.

Volute balusters: 34"- 38" rake code

- For $1\frac{1}{4}"$ balusters use 6 balusters 42" long.
- For $1\frac{3}{4}"$ balusters use 4 balusters 42" long.

Turnouts: 30"- 34" rake code requires two $1\frac{1}{4}"$ (one 36" and one 39") balusters or one 42" if using $1\frac{1}{4}"$.

34"- 38" rake code requires two $42" 1\frac{1}{4}"$ balusters or one 42" if using $1\frac{3}{4}"$.

- **Newels:** Newels should be placed at each point of stairway transition (this includes the starting newel, landings, balconies and each time the stairway changes direction).

Use a newel when a balcony run exceeds 9 feet.

Post-to-Post Newels

Starting: For the 30"- 34" rake code newels should be approximately 43".

Newels for the 34"- 38" rake can be 48" if surface installed or 56" under other applications.

Intermediate Landing: Use the newels with a $14\frac{1}{2}"$ face when NOT using a landing fitting. If using a landing fitting you may choose a newel with a 5" face square.

Landing (2nd Floor): Use the newels with a 11" face when NOT using a landing fitting. Note if your balcony is 42" you will need to use a landing fitting (you can use a 48" tall newel if surface mounting)

Winder Newels: For intermediate landings with 2-winder treads and a landing fitting chose a 72" long newel.

For intermediate landings with 3-winder treads and a landing fitting chose a 78"- 84" long newel.

Over-the-Post Newels

Volute and Turnouts: For the 30"- 34" rake code use a 43" pin top newel designated for volutes or turnouts. For the 34"- 38" rake code use a 48" tall volute/turnout newel. You may use a standard 43" volute newel if using a climbing volute.

Starting Newel Cap: For the 30"- 34" rake code use 43"- 48". For the 34"- 38" rake use a 48" if no starting step is used.

Intermediate Landing: Use a 56" newel at the corner of an L-shaped stair. If using a landing fitting you may choose a newel with a 5" face square

Landing (2nd Floor): Use 43"- 48" newels. If the newel is to extend below the 2nd floor surface use a 56" or longer newel.

Winder Newels: For intermediate landings with 2-winder treads and a landing fitting chose a 72" long newel. For intermediate landings with 3-winder treads and a landing fitting chose a 78"- 84" long newel.