



QUALITY. STRENGTH. ELEGANCE.

Creating Welcoming Spaces Since 1880.

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Our Journey of 145 YEARS

HB&G Building Products is happy to celebrate 145 years of bringing our customers great solutions made right here in Troy, Alabama. From humble beginnings as a local manufacturer of wagon wheel spokes, we have advanced our product offering and have seen a lot of history along the way. Through our nation's trials and triumphs, we have been an integral part of creating welcoming spaces for nearly a century and a half.

And we're just getting warmed up.

Thank you for supporting us for the last 145 years and we hope you enjoy your journey each and every day!

1880 Fun Facts:

- Rutherford B. Hayes was the 19th US President
- First US street light was installed in Wabash, Indiana
- US Census taken and US population tops 50 million for the first time
- The Cash Register is patented in Dayton, Ohio
- The Chicago White Stockings are the major league baseball champions (in 1907, they changed their name to the Chicago "Cubs")
- Douglas MacArthur, Helen Keller and W.C. Fields are born
- The University of Southern California (USC) opens its doors to 53 students and 10 faculty members.

SINCE 1880



HB&G Building Products Inc. Limited Product Warranties

Your Home or Commercial space says a lot about you, our Best-in-the-Industry Warranty says a lot about us!

HB&G Building Products Inc. warrants to the purchasers of our products to be free from defects in craftsmanship and materials as spelled out below:

Our Limited Product Warranty Terms:

- Warranties are exclusive to the person(s) who own and reside in the home the product is installed
- Warranties also apply to the Homeowner who purchases a newly constructed residence on which the Product is installed directly from the builder
- Warranties are not transferable
- These Warranties are only applicable in the United States and Canada

Our Warranty Claim Process:

- With photos and proof of purchase, claims are to be emailed to warranty@hbgcompanies.com.
- If HB&G determines, at its sole discretion, that a product has a manufacturing defect, the repair or replacement of those materials will be the sole remedies.

Limited Time Warranty Periods by Product:

Products	Single Family Residential	Multi Family Commercial
• PermaCast® Plus, RoughSawn®, PermaLite® SmartColumn® Columns. • Fiberglass Pergola & Outdoor Living Products.	Limited Lifetime	25 Years
• PermaWrap® & PermaSnap™ Columns. • PermaPost®, PermaRailPlus® & Balustrades.	25 Years	10 Years
• Mor-Shade® Canopy.	5 Years	1 Year
• Wood Columns & Posts.	1 Year	1 Year

Our Limited Product Warranty Terms:

- Our products, when used under the conditions of normal use and are properly installed and maintained in conformance with all of HB&G installation instructions (see QR Code below) as well as all governing building codes.
- HB&G factory-finished products (Pergolas, PermaPost® and Railing) will be free of defects (will not peel, chip or crack) for a period of one year in normal use and are properly installed and maintained in conformance with HB&G installation instructions. This includes Normal weathering such as exposure to sunlight which may cause any finished surface to gradually fade, chalk or accumulate dirt, and/or other Acts of God.



HB&G installation instructions are on our website and are updated as needed, scan the QR code on the left to review the most current versions.

Limitations and conditions not covered:

- Non factory-applied finishes are not covered under this warranty. For claims original purchasers must look to the warranty of the paint or coating manufacturer for recourse.
- Defects in the foundation, wall or ceiling structure on which HB&G products are installed, which cause failure.
- Installation, delivery and labor costs are NOT covered under this warranty.
- HB&G does not warranty split columns sold direct or by distributors, builders, retailers, suppliers or anyone.



HB&G products
are proudly made
in Alabama.

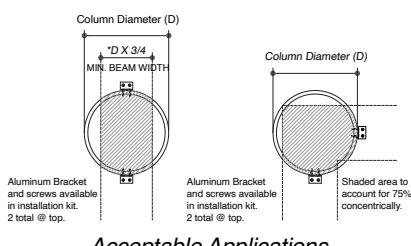
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Building Code Compliance

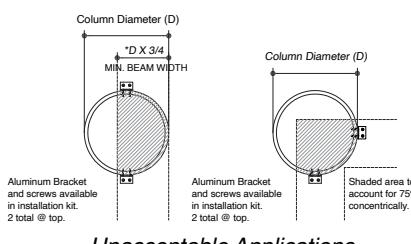
HB&G has updated our product testing to comply with changes to the Building Codes (IBC/IRC) and to the Acceptance Criteria for Fiberglass Columns. The 2 major changes that impacted PermaCast®Plus and PermaLite® were:

- Eccentric Axial Loading – the new maximum allowable load values are based on eccentric (offset) axial load as opposed to concentric (centered) axial loading.
- Increased Safety Factor – the safety factor on the allowable load was increased from 2.5 times to 5 times

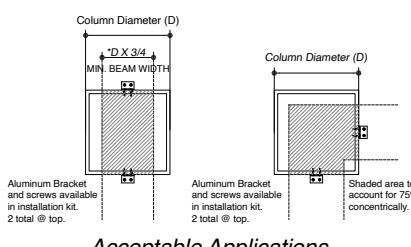
Eccentric loading of columns is not recommended by HB&G.



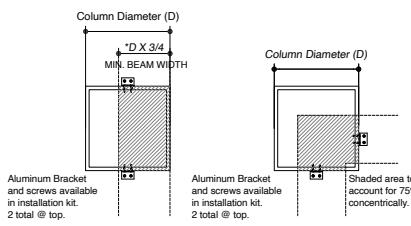
Acceptable Applications



Unacceptable Applications



Acceptable Applications



Unacceptable Applications

HB&G recommends following the installation instructions included with the product purchased. HB&G structural products conform to 2018 IBC/IRC.

Round Tapered PermaCast®Plus Plain and Fluted

Eccentric Loading			
Bottom Diameter	Avg. Allowable Load (Lbs.)	Avg. Ultimate Load (Lbs.)	Concentric Load (Lbs.)
6"	4,580	22,900	8,000
8"*	4,600	23,000	10,000
10"*	4,690	23,450	14,000
12"*	4,800	24,000	18,000
14"	7,800	39,000	20,000
16"	8,250	41,250	20,000
18"	10,000	50,000	20,000
20"	10,000	50,000	20,000
22"	10,000	50,000	20,000
24"	10,000	50,000	20,000
28"	10,000	50,000	20,000
30"	10,000	50,000	20,000

Square PermaCast®Plus Plain, Fluted, RoughSawn®, and Recessed Panel

6"*	5,100	25,500	8,000
8"*	5,150	25,750	10,000
10"*	5,640	28,200	14,000
12"*	5,900	29,500	18,000
14"	8,500	42,500	20,000
16"	9,500	47,500	20,000

Round No-Taper PermaCast®Plus Plain and Fluted

8"	4,590	22,950	10,000
10"	4,670	23,350	14,000
12"	4,750	23,750	18,000
14"	7,000	35,000	20,000
16"	7,000	35,000	20,000
18"	7,000	35,000	20,000
24"	9,000	45,000	20,000

Craftsman Plain and RoughSawn® PermaCast®Plus

10" x 5.5" x 66"	9,000	45,000	10,000
10" x 8" x 66"	9,000	45,000	10,000
10.25" x 7.5" x 7'	7,000	35,000	10,000
12" x 8" x 5'	8,000	40,000	14,000
12" x 8" x 6'	8,000	40,000	14,000
12" x 8" x 66"	8,000	40,000	14,000
12" x 10" x 6'	8,000	40,000	14,000
12" x 10" x 10'	8,000	40,000	14,000
14" x 12" x 9'	8,000	40,000	14,000
16" x 9" x 6'	9,000	45,000	14,000
16" x 9" x 8'	9,000	45,000	14,000
16" x 9" x 58"	9,000	45,000	14,000
16" x 12" x 6'	9,000	45,000	14,000
16" x 12" x 8'	9,000	45,000	14,000

Square PermaLite®

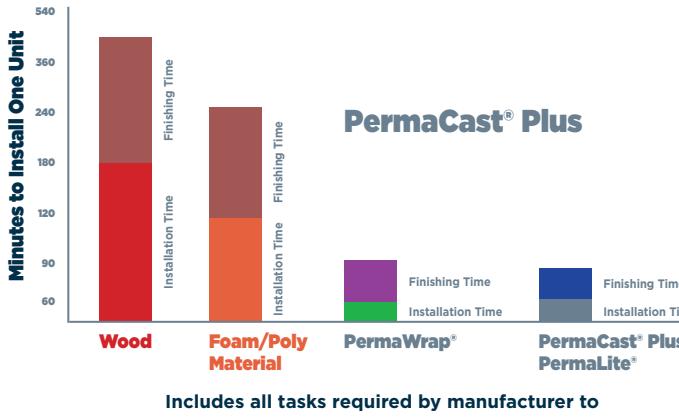
6"	3,000	15,000	5,000
8"	3,000	15,000	6,500
10"	3,000	15,000	7,000

*Covered in accordance with ICC ESR-1361 / FL# 3102

Conforms with 2018 IBC/IRC

Note - Eccentric (off-center) loading has a 5 times safety factor.
- Eccentric (off-center) loading of columns is not covered by the warranty.

HB&G Manufactures Our Products From Long-Lasting Materials That Are Easy To Install and Require Little Maintenance.



Looking for an Uplift Solution?

Look no further than
Perma-Loc® from **HB&G** BUILDING PRODUCTS

Perma-Loc® Uplift Anchoring System

- 4,200 lb strength galvanized aircraft cable combined with 316 stainless steel marine-grade attachment hardware for optimal uplift resistance. Exceeds the required capacity for 1,000 lb. uplift
- Perma-Loc® eliminates the need to split a column, along with all of the labor and material costs associated with splitting and re-joining two column halves
- All hardware is included for concrete substrate applications and are available in three sizes: up to 12', 16', and 20' lengths
- Extremely cost-effective and versatile application that covers the entire spectrum of HB&G load-bearing products
- Patented design accompanied by certified/stamped engineering documentation. Florida Department of Business and Professional - Regulation approved #37300



The **PERMA**Cast®Plus Column Collection



Architectural Accuracy

In the first century B.C., Vitruvius, a Roman architect and engineer, wrote what has become the most influential work on classic form. In it, he elaborates on the discovery by the ancient Greeks of entasis, a

*See Warranty

- Weatherproof
- Insect Proof
- Load Bearing
- Low Maintenance
- Limited Lifetime Warranty*
- Custom Fluting Available

gradual tapering of the upper two-thirds of the round column which offsets the undesirable illusion from eye level that the column shaft grows larger as it ascends. HB&G round columns hold true to this classic form.

HB&G PermaCast®Plus Columns are available in round or square. The round columns are fluted or plain, with or without the classic tapering of the upper two-thirds of the column. Square columns are available in a variety of styles as well, including plain, fluted,

recessed panel, and the Craftsman style column. Our capitals and bases are made from durable low maintenance materials; and, like the columns, they maintain architectural authenticity and historical accuracy.



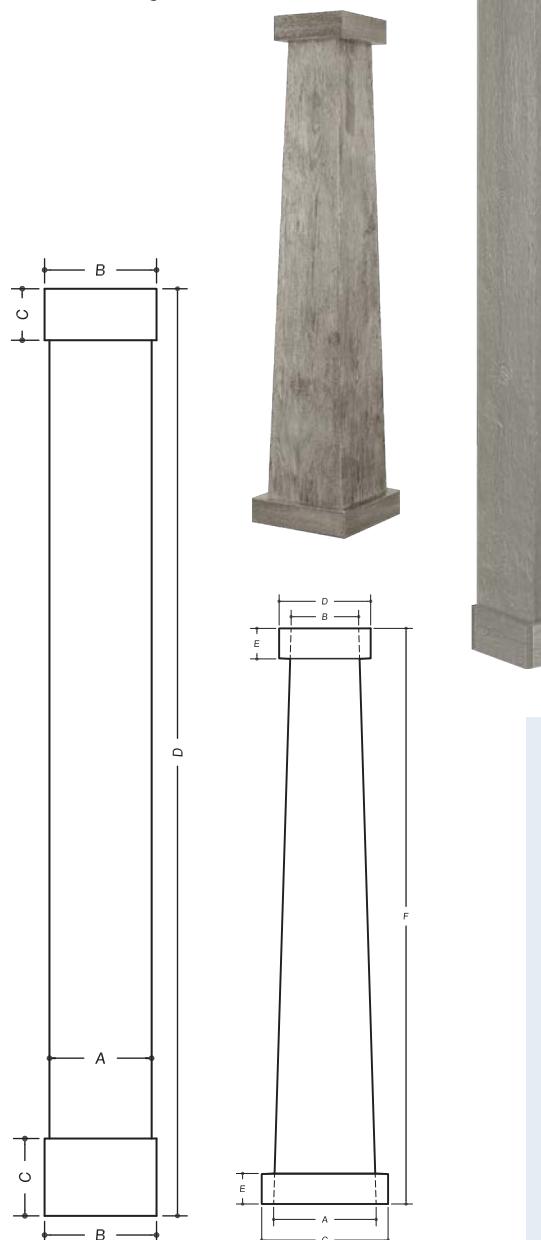
*Products shown have been finished for demonstration purposes. PermaCast®Plus and RoughSawn® Columns ship unfinished.

See pages 15 and 16 for cap and base dimensions.

PERMACast® Plus RoughSawn®

- Made of Structural Fiberglass
- Will not Check, Twist, Split or Rot
- Load Bearing
- Can be Stained using a Solid Body Acrylic Stain or Painted
- Weather and Insect Proof
- Low Maintenance
- Easy Installation
- Limited Lifetime

Warranty*



The beauty of wood



Without the issues:

- Checking, splitting, twisting...



*See Warranty

**Products shown have been stained for demonstration purposes. RoughSawn® columns are shipped unfinished.

CRAFTSMAN ROUGHSAWN®

Size	A	B	C	D	E	F
10" x 6"	9 3/4"	5 3/4"	12 1/2"	8 7/8"	3 1/2"	66"
12" x 8"	11 3/4"	7 3/4"	14 1/2"	10 3/4"	3 1/2"	66"

SQUARE ROUGHSAWN®

Size	A	B	C	D
8"	7 3/4"	9 1/4"	3 1/2" or 5 1/2"	8', 9', 10'
10"	9 3/4"	11 1/4"	3 1/2" or 5 1/2"	8', 9', 10', 12'
12"	11 3/4"	13 1/4"	3 1/2" or 5 1/2"	8', 9', 10', 12'

"C" is cap/base (2 sizes available / sold separately)

Trim sizes are available and can be used as both cap and base based on preference.

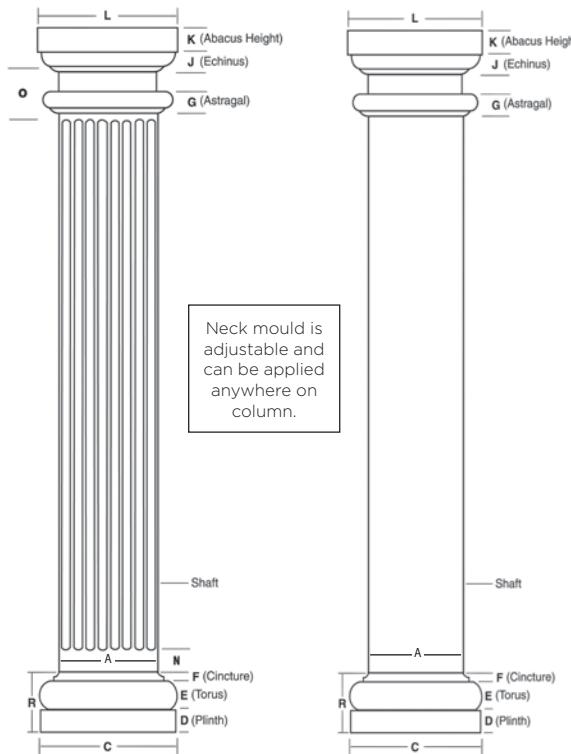
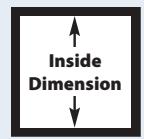
Square PERMACAST® Plus Columns

SQUARE PERMACAST® PLUS INSIDE DIMENSIONS

Inside dimensions may vary up to 1/4". Splitting a column will decrease inside dimension 1/8".

Column Size	Inside
6"	5 3/8"
8"	6 5/8"
10"	9"
12"	11"
14"	13"
16"	15"

*Inside is Round



PermaCast®Plus Square Column shown fluted with Poly Tuscan Cap and Base.

PermaCast®Plus Square Column shown plain with Poly Tuscan Cap and Base.

SQUARE PERMACAST® PLUS COLUMN DIMENSIONS (IN INCHES)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	Lengths Available (ft.)
6"	6"	9 1/8"	17/16"	15/16"	9/16"	1"	1 1/4"	1 3/8"	9 1/8"	N/A	N/A	3 5/16"	6, 8, 9, 10
8"	8"	11 1/8"	17/8"	1 3/4"	5/8"	1"	1 1/4"	1 1/2"	10 15/16"	4"	3 1/8"	4 1/4"	6, 8, 9, 10, 12
10"	10"	12 7/8"	2 3/8"	2 3/16"	3/4"	1"	1 1/4"	1 3/4"	12 5/8"	3 3/4"	4 1/8"	5 7/16"	5 1/2", 6, 8, 9, 10, 12, 14, 16
12"	12"	16 5/8"	2 13/16"	2 3/8"	7/8"	1"	1 1/8"	2 3/16"	16 5/8"	N/A	N/A	6 1/16"	8, 9, 10, 12, 14, 16, 18
14"	14"	19 3/8"	3 5/8"	2 7/8"	1 1/16"	1 1/8"	2 1/16"	2 1/2"	19 1/16"	N/A	N/A	7 9/16"	8, 10, 12, 14
16"	16"	22 1/8"	3 3/8"	3 3/8"	1 3/16"	1 1/8"	2 3/8"	2 3/4"	21 1/2"	N/A	N/A	8 7/16"	8, 10, 12, 14, 16, 18, 20

Fluted Square.

*There may be a variance of up to 1/4" in all dimensions.

• Split columns are not load bearing. • See page 16 for Decorative Capital dimensions.

Versatility of Square Columns

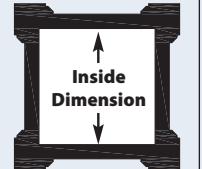
The design and versatility of an HB&G square column has enhanced its popularity with today's architects. The HB&G Square PermaCast®Plus column lineup includes plain, recessed panel, fluted, and Craftsman styles. An unlimited combination of styles can be achieved by various uses of the neck moulding, and caps and bases. Additionally, the plain square column is not tapered and can be cut to any height without affecting the fit of the caps and bases.

Recessed Panel **PERMA**Cast® Plus Columns

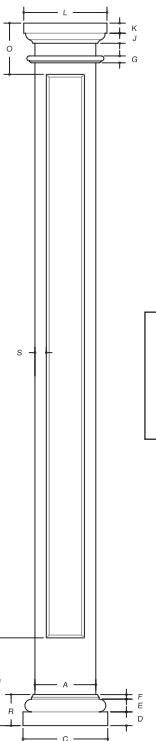
RECESSED PANEL INSIDE DIMENSION

Inside dimension may vary up to 1/4".

Column Size	Inside
8"	5 5/8"
10"	7 1/2"
12"	9 1/2"
14"	11"



Recessed Panel columns must be primed with a quality bonding primer before finishing with a quality top coat of paint.



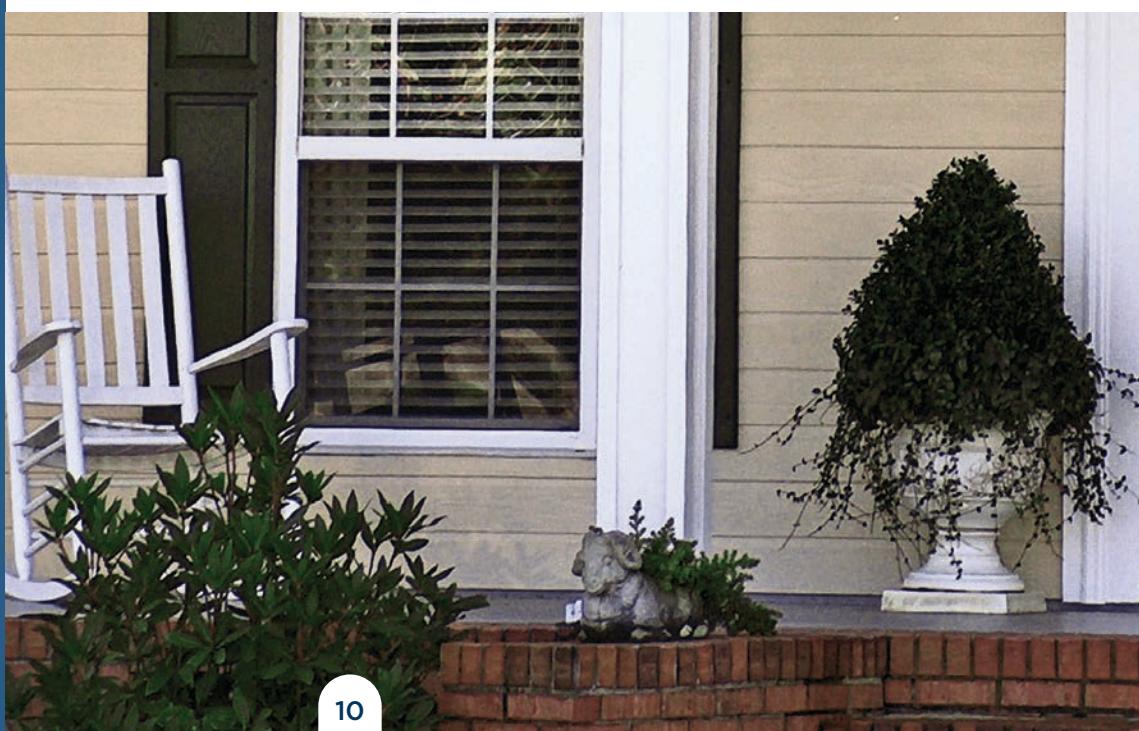
Square Column with Poly Tuscan Cap and Base.

SQUARE RECESSED PANEL PERMACAST®PLUS COLUMN DIMENSIONS (IN INCHES)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	S	Recess Depth	Lengths Available (ft.)
8"	8"	11 1/8"	1 1/8"	1 3/4"	5/8"	1"	1 3/8"	1 3/8"	10 5/16"	12"	7"	4 1/4"	1 1/2"	1/2"	8, 9, 10
10"	10"	12 7/8"	2 3/8"	2 5/16"	3/4"	1"	1 3/4"	1 3/4"	12 5/8"	14 1/2"	8 1/2"	5 7/16"	1 1/2"	1/2"	8, 9, 10
12"	12"	16 5/8"	2 13/16"	2 3/8"	7/8"	1"	2 3/16"	16 1/16"	16 1/16"	18"	10 1/2"	6 7/16"	2 1/4"	9/16"	8, 9, 10, 12, 14
14"	14"	19 3/8"	3 5/8"	2 7/8"	1 1/16"	1 1/8"	2 1/2"	19 1/16"	19 1/16"	21 1/2"	12 1/4"	7 9/16"	2 5/8"	11/16"	8, 10, 14

See page 16 for Decorative Capital dimensions.

*Recessed Panel columns are not able to be split.

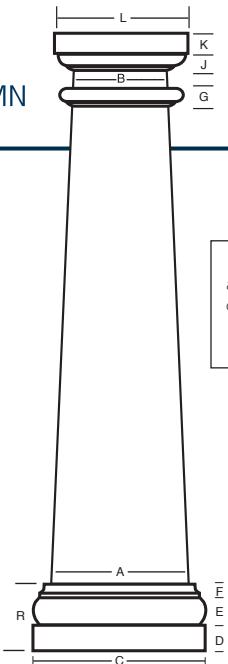
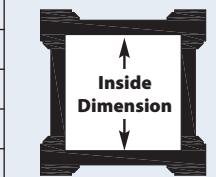


CRAFTSMAN PERMACAST®PLUS COLUMN

CRAFTSMAN INSIDE DIMENSION

Inside dimension may vary up to 1/4".
Splitting a column will decrease inside dimension 1/8".

Column Size	Top	Bottom
10" x 5 1/2"	4 1/2"	9"
10 1/4" x 7 1/2"	7"	9"
10" x 8"	7"	8 1/2"
12" x 8"	6 1/2"	11"
12" x 10"	9"	11"
14" x 12"	11"	13"
16" x 9"	8"	15"
16" x 9"	11"	15"



CRAFTSMAN COLUMN DIMENSIONS (IN INCHES)

	A	B	C	D	E	F	G	J	K	L	R	Length
10" x 5 1/2"	10"	5 1/2"	13 5/8"	2 1/2"	2 1/2"	1"	1"	1 3/8"	1 3/8"	9 5/8"	5 1/8"	66"
10 1/4" x 7 1/2"	10 1/4"	7 1/2"	13 1/2"	2 3/8"	2 1/4"	3/4"	1"	1"	1"	10 1/4"	5 3/8"	7'
10" x 8"	9 1/2"	7 1/2"	12 3/4"	2 3/8"	2 1/8"	3/4"	1"	1"	1 3/8"	10 1/4"	5 1/4"	66"
12" x 8"	12"	7 7/8"	16 5/8"	2 1/2"	2 1/2"	1 1/16"	1"	1 1/4"	1 1/2"	10 15/16"	6 1/16"	5', 6'
12" x 10"	12"	10"	16 1/16"	2 1/2"	2 1/2"	1 1/16"	1"	1"	1 3/8"	12 3/4"	6 1/16"	6', 10'
14" x 12"**	14"	12"	18 3/4"	3 3/8"	3"	1"	1"	1 5/8"	2"	17 1/8"	7 3/8"	9'
16" x 9"	16"	9"	19 1/16"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	13 1/4"	6 1/16"	6', 8' 58"
16" x 12"	15 1/4"	11 1/2"	21 1/2"	3 7/8"	3 5/16"	1 1/16"	1"	1 3/8"	2"	15 1/4"	8 3/8"	6', 8'

*Has 1/3" to 2/3" taper.

NOTE: Neck mould is not applied. Flashing and Installation Kit is not available for Craftsman Columns with Poly Tuscan cap and base sets.

• Split columns are not load bearing.



Round Tapered PERMA Cast® Plus Columns



ROUND PERMACAST®PLUS COLUMN DIMENSIONS (IN INCHES)*

Col. Size	A	B	C	D	E	F	G	J	K	L	O	N	R	T	Lengths Avail. (ft.)
6"	5 5/8"	4 5/8"	9"	1 1/8"	1 1/4"	5/8"	3/4"	1 1/4"	1 3/8"	8"	1"	6 1/4"	3 5/8"	4 7/16"	4, 6, 8
8"	7 5/8"	6 1/4"	10 1/2"	1 7/8"	1 3/4"	3/4"	1 3/16"	1 1/4"	1 1/2"	9 1/4"	1 2/2"	2 1/4"	4 3/8"	4 1/2"	5, 6, 8 9, 10
10"	9 5/8"	8 1/8"	13 1/8"	2 3/8"	2 1/8"	3/4"	1 3/16"	1 1/4"	1 3/4"	11 1/4"	5/8"	2 1/4"	5 1/4"	5"	6, 8, 9 10, 12
12"	11 5/8"	9 5/8"	16 1/2"	2 7/8"	2 3/8"	7/8"	1 3/16"	1 3/4"	2 1/4"	13 3/4"	3/4"	2 5/8"	6 1/8"	5 3/4"	6, 8, 9, 10 12, 14, 16, 18
14"	13 5/8"	11 5/8"	19 1/2"	3 3/8"	3 3/8"	1 1/8"	1"	2"	2 7/8"	17"	7/8"	2 5/8"	7 3/4"	7"	8, 9, 10, 12 14, 16, 18
16"	15 3/4"	13 3/8"	22"	3 7/8"	3 3/8"	1 1/8"	1 3/16"	2 1/4"	2 5/8"	19 5/8"	1"	3"	8 3/8"	8"	8, 10, 12, 14 16, 18, 20
18"	17 1/2"	15 3/8"	24 5/8"	4"	4"	1 5/8"	1 7/16"	2 3/4"	3 1/8"	22 3/8"	1 1/2"	10 3/4"	9 5/8"	8 7/8"	8, 10, 12, 14, 16 20, 22, 24, 26
20"	19 1/2"	17 3/8"	27"	4 3/4"	4 1/2"	2"	1 7/16"	2 7/8"	3 3/8"	24 15/16"	1 1/2"	10 3/4"	11 1/4"	9"	10, 12, 14, 16 18, 20, 22, 24
22"	21 5/8"	19 1/4"	30 1/4"	5"	5"	2"	1 7/8"	3"	3 3/4"	27 1/2"	1 1/2"	10 3/4"	12"	10 1/4"	16, 18, 20, 22, 24, 26
24"	23 5/8"	21 1/4"	33 1/2"	6"	6 1/4"	6 1/4"	2"	3 1/4"	4"	30 5/8"	1 1/2"	10 3/4"	13 1/2"	11 15/16"	12, 14, 16, 18, 20, 22, 24, 26, 28, 30
28"	28"	24 1/8"	38"	6 3/4"	6 1/2"	2 3/4"	2 1/4"	3 1/4"	4 7/8"	33 3/8"	1 1/2"	10 3/4"	15 1/2"	11 3/4"	20, 22, 24, 26, 28
30"	29 5/8"	26 1/2"	41 1/8"	6 1/2"	5 5/8"	2 1/2"	3"	4"	4 5/8"	38 1/4"	1 1/2"	10 3/4"	14 7/8"	14 7/8"	20, 22, 24 26, 28, 30

*There may be a variance of up to 1/4" in all dimensions. Fluted columns available in all diameters. See page 14 for Parallel dimensions. See page 16 for Decorative Capital dimensions.

- Standard Fluted Column (Fluted in mold)
- Split columns are not load bearing.

Plumb-Fit®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.



ROUND PERMACAST®PLUS INSIDE DIMENSIONS

Inside dimension may vary up to 1/4".

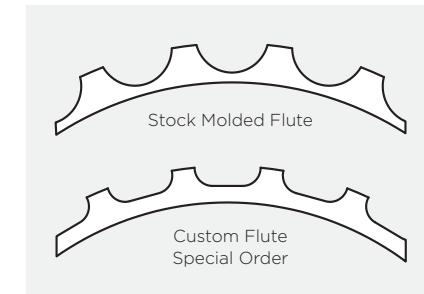
Splitting a column will decrease inside dimension 1/8".

Column Size	Top I.D.	Bottom I.D.
6"	3 7/8"	4 7/8"
8"	5 1/2"	6 7/8"
10"	7 3/8"	8 7/8"
12"	8 5/8"	10 7/8"
14"	10 7/8"	12 7/8"
16"	12 7/8"	15"
18"	14 1/2"	16 5/8"
20"	16 5/16"	18 5/8"
22"	18 3/8"	20 13/16"
24"	20"	22 3/8"
28"	22 7/8"	26 3/4"
30"	25 1/4"	28 3/8"

*Plain columns only

The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast®Plus Columns and will secure a 2nd story porch to our PermaCast®Plus Columns. Three brackets are required for each column.

Fluted Round Tapered PERMA Cast®Plus Columns

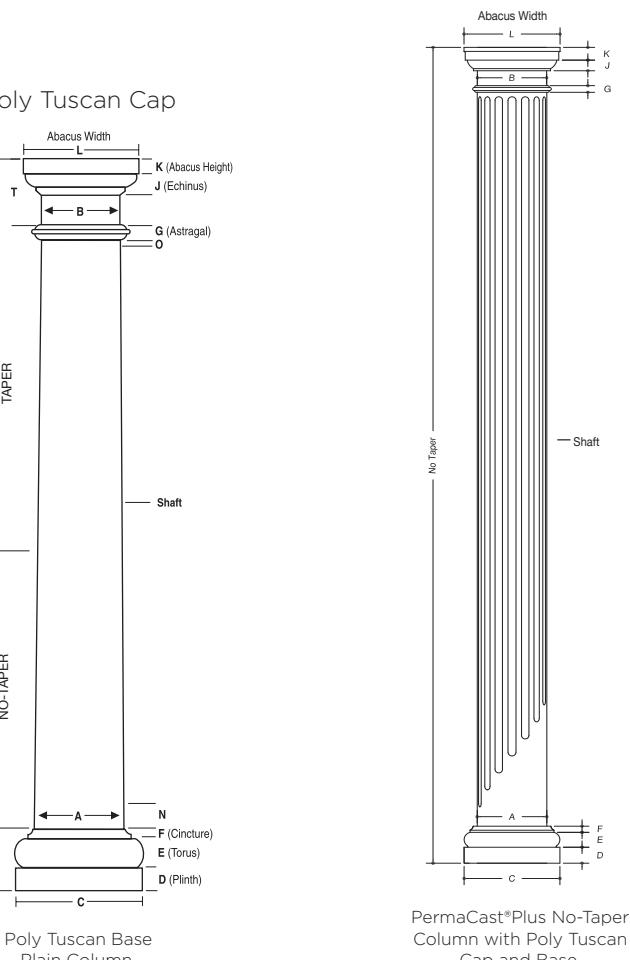


HB&G Offers Two Distinctive Types of Flutes.

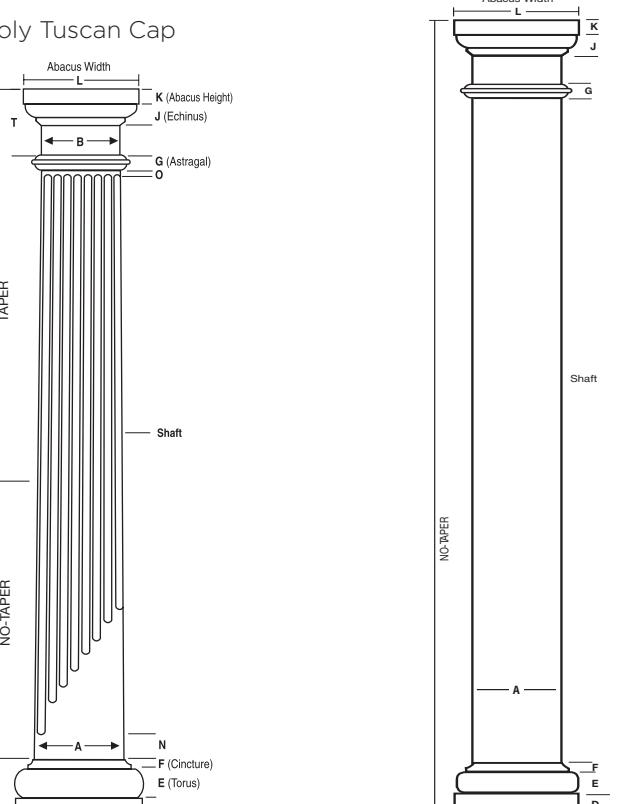
Stock Molded Flute: Available in diameters of 8" x 8' - 16" x 10' columns (See price guide for specific lengths available.) The stock molded flute is part of the manufacturing process and cannot be altered.

Custom Flute: The custom flute is milled after the column is manufactured and can be modified to your specific length. All round PermaCast®Plus columns, 6"x 4' - 30"x 30', are available with an optional custom flute. Adjusted Flutes available.

*Inside dimension may vary from "Stock" Flutes



PermaCast®Plus No-Taper Column with Poly Tuscan Cap and Base.



PermaCast®Plus Plain No-Taper Column with Poly Tuscan Cap and Base.

Round No-Taper PermaCast®Plus Columns

ROUND NO-TAPER PERMACAST®PLUS COLUMN DIMENSIONS (IN INCHES)

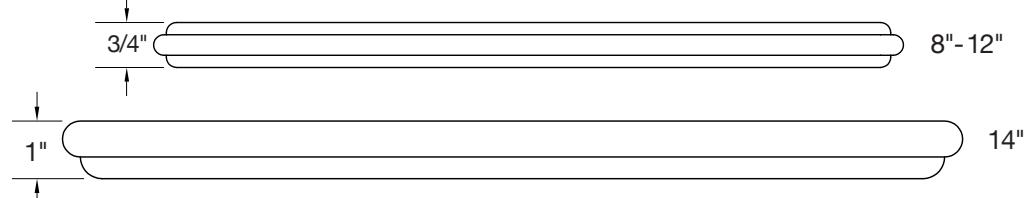
Col. Size	A	B	C	D	E	F	G	J	K	L	Lengths Available. (ft.)	
8"	7 5/8"	7 5/8"	10 1/2"	1 7/8"	13 1/4"	3/4"	3/4"	1 1/4"	1 1/2"	10 5/8"	6, 8, 9, 10	
10"	9 5/8"	9 5/8"	13 1/2"	2 3/8"	2 3/4"	2 1/2"	3/4"	1 1/4"	2"	12 5/8"	6, 8, 9, 10, 12	
12"	11 5/8"	11 5/8"	16 1/2"	2 7/8"	2 3/4"	2 3/8"	7/8"	3/4"	1 1/4"	2"	15 7/8"	6, 8, 9, 10, 12
14"	13 5/8"	13 5/8"	19 1/2"	3 3/8"	3 3/8"	3 1/8"	1 1/8"	1"	2 1/4"	3"	19 1/8"	6, 8, 9, 10, 12, 14
16"	15 3/4"	15 3/4"	22"	3 7/8"	3 1/2"	3 1/2"	1 1/4"	1"	2 1/4"	2 3/4"	22"	6, 8, 9, 10, 12, 14, 16, 18, 20
18"	17 1/2"	17 1/2"	24 5/8"	4"	4"	1 5/8"	1 7/16"	1 1/2"	2 1/4"	2 3/4"	23 4/8"	6, 8, 9, 10, 12, 14, 16, 18, 20
24"	24"	24"	33 1/2"	5 3/4"	5 1/4"	2 3/8"	2 3/8"	2 1/8"	3 1/2"	4 1/8"	33 3/8"	8, 9, 10, 12, 14, 16, 20, 24, 26, 28, 30

Neck mould not included.

Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

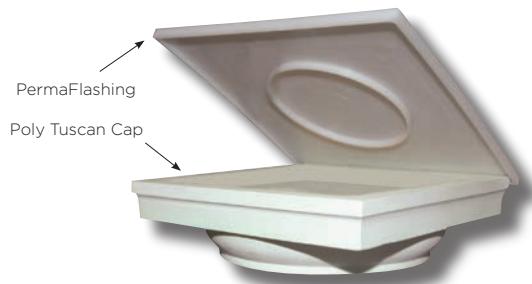
- Split columns are not load bearing.

Neck Mould for No-Taper Column - Sold Separately.



*Go up one size if splitting

HB&G's number one goal is finding ways that we can save you time and make your life easier.



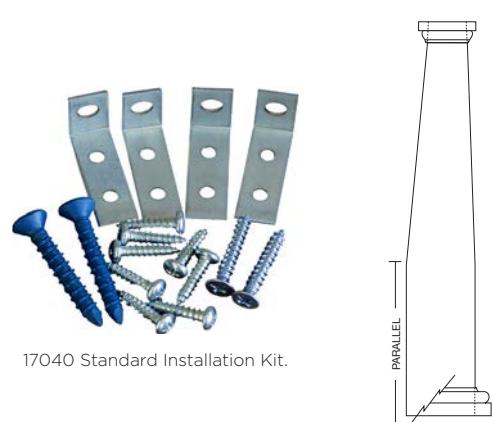
PermaCast® Plus PermaFlashing and Installation Kit

The PermaCast® Plus flashing with Plumb-Fit® and installation kit is available in selected Tuscan cap and base sets.* This innovation will not only save time but will keep the elements out of the column and secure the top and bottom of the column.

*Not available in Tuscan cap and base sets for Craftsman, No-taper, PermaLite®, and Wood columns.

PermaCast® Plus Split Kit

HB&G offers a split kit and a split kit with flange option with an improved adhesive. These kits can be purchased separately. **Adhesive must be stored in a climate-controlled environment.**



Entasis - Parallel Dimensions are used to specify where the column begins to taper. These dimensions use length from the bottom of the column shaft to the point where the taper begins. This is necessary to determine how much a column can be shortened before the base begins to fit loosely. Filler and caulking may be used to fill the gap between the base and shaft if it is necessary to shorten the column beyond the parallel dimension.

PARALLEL DIMENSIONS*

Column Size	Parallel Dim.	Column Size	Parallel Dim.
6 x 4	0"	18 x 18	60"
6 x 6	8"	18 x 20	84"
6 x 8	32"	18 x 22	49"
8 x 5	12"	18 x 24	73"
8 x 6	24"	18 x 26	97"
8 x 8	32"	20 x 10	0"
8 x 9	28"	20 x 12	0"
8 x 10	40"	20 x 14	0"
10 x 6	8"	20 x 16	4"
10 x 8	32"	20 x 18	28"
10 x 9	28"	20 x 20	52"
10 x 10	40"	20 x 22	76"
10 x 12	48"	20 x 24	100"
12 x 6	8"	22 x 16	45"
12 x 8	32"	22 x 18	69"
12 x 9	20"	22 x 20	93"
12 x 10	32"	22 x 22	53"
12 x 12	48"	22 x 24	77"
12 x 14	25"	22 x 26	101"
12 x 16	40"	24 x 12	21"
12 x 18	73"	24 x 14	45"
14 x 8	32"	24 x 16	69"
14 x 9	12"	24 x 18	93"
14 x 10	24"	24 x 20	75"
14 x 12	48"	24 x 22	99"
14 x 14	27"	24 x 24	123"
14 x 16	51"	24 x 26	77"
14 x 18	75"	24 x 28	101"
16 x 8	16"	24 x 30	125"
16 x 10	40"	28 x 20	20"
16 x 12	29"	28 x 22	44"
16 x 14	53"	28 x 24	68"
16 x 16	36"	28 x 26	92"
16 x 18	60"	28 x 28	116"
16 x 20	84"	30 x 20	92"
18 x 8	0"	30 x 22	116"
18 x 10	16"	30 x 24	140"
18 x 12	40"	30 x 26	75"
18 x 14	48"	30 x 28	99"
18 x 16	36"	30 x 30	123"

Column Size	Bottom Diameter
6 x 4	5 3/8"
18 x 8	17 1/4"
20 x 10	18 1/16"
20 x 12	18 5/16"
20 x 14	19 1/4"

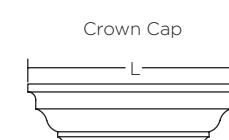
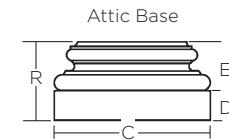
*For Tapered Round Columns

PERMA Capitals and Bases

Choosing the right cap and base for your columns is as important as the selection of the column itself. The right cap and base can define the style of the front porch and create an atmosphere that complements your lifestyle. The cap and base options offered by HB&G are shown on page 7. Please refer to the following data that corresponds with your cap and base selection to ensure that you end up with the products that work best for you.

Capital and Base Options

Most capitals and bases for PermaCast® Plus columns are made of polyurethane and are decorative. The shaft fits through the center of the capital and base and does not alter the height of the shaft. Decorative capitals for round PermaCast® Plus columns will add to the overall height of the column itself.

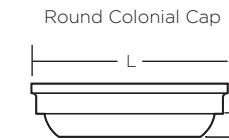


Attic Base

Attic Bases are used for a more ornate look and come in 1 or 2 pieces.

Crown Cap

Available for PermaCast® Plus Square shafts 6"-12".



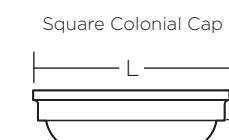
Colonial Cap and Base

Referred to as our low-profile cap and base, the Colonial is designed specifically for use in applications where railing will be attached to the column. Available for PermaCast® Plus round and square shafts 6"-12".



Beveled Cap and Base

Designed to deliver a popular, more contemporary appearance, beveled caps and bases are available for PermaCast® Plus Square shafts 6"-12".



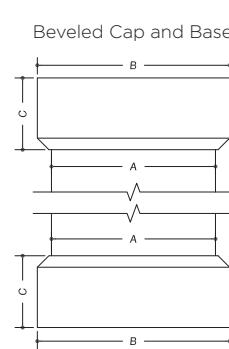
PermaTuff® Base and Poly Cap

A durable, hard shell base combined with a poly cap. Designed for high traffic applications. Available for PermaCast® Plus round shafts 8"-12".



Tuscan Cap and Bases

The Tuscan style is standard and best complements the PermaCast® Plus column. The Tuscan is available for all round and square shafts. For dimensions see pages 9-10, 12-13, and 16.



Decorative Capital

Five styles of decorative capitals are available for all round tapered and square shafts. Using a decorative capital with a round PermaCast® Plus shaft will add to the overall height of the column itself. Decorative capitals do not alter the height of the shaft when used on a square PermaCast® Plus Column.

DIMENSIONS OF ATTIC BASE FOR ROUND AND SQUARE COLUMNS

Column Size	Round Attic				Column Size	Square Attic			
	C	DD	EE	R		C	DD	EE	R
6"	8 5/16"	1 5/8"	2 3/4"	4 1/8"	6"	8 7/16"	1 3/8"	2 7/8"	4 1/4"
8"	10 1/8"	1 7/8"	3 1/4"	5 1/8"	8"	11"	1 7/8"	3 1/4"	5 1/8"
10"	13"	2 1/2"	3 7/8"	6 3/8"	10"	13 1/8"	2 3/8"	4"	6 3/8"
12"	16 1/8"	3"	4 1/2"	7 1/2"	12"	17"	2 3/4"	4 1/2"	7 1/2"
14"	19 1/4"	3 3/8"	5 3/8"	8 3/4"	14"	N/A	N/A	N/A	N/A
16"	21 3/4"	4"	6 1/2"	10 1/2"	16"	22 1/4"	4"	6 5/8"	10 5/8"
18"	25"	4 3/8"	7 1/4"	11 1/8"	18"	N/A	N/A	N/A	N/A
20"	27 11/16"	4 7/8"	8 1/4"	13 1/8"	20"	N/A	N/A	N/A	N/A
22"	30 1/4"	5 5/8"	9 1/4"	14 1/8"	22"	N/A	N/A	N/A	N/A
24"	33 1/2"	6"	10 1/4"	16 1/4"	24"	N/A	N/A	N/A	N/A
28"	38"	6 3/4"	11 3/8"	18 1/8"	28"	N/A	N/A	N/A	N/A
30"	41 1/4"	6 1/2"	11 1/4"	17 3/4"	30"	N/A	N/A	N/A	N/A

CROWN CAP* FOR SQUARE COLUMN DIMENSIONS

Column Size	K	J	L
6"	1 9/16"	2 5/16"	1 1/4"
8"	1 9/16"	2 5/16"	1 3/4"
10"	1 9/16"	2 5/16"	1 5/4"
12"	1 9/16"	2 5/16"	1 7/4"

*Made from Polyurethane

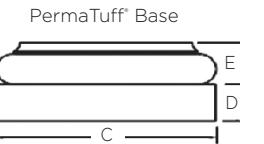
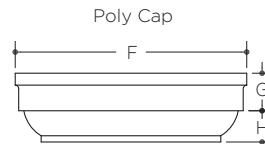
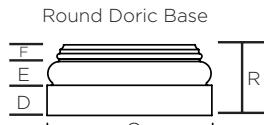
COLONIAL ROUND CAP AND BASE DIMENSIONS*

Col. Size	C	D	E	F	J	K	L	R
6"	7 1/4"	1 3/8"	1 1/4"	1/4"	1"	1 1/4"	7"	2 7/8"
8"	9 1/8"	1 1/2"	1 5/16"	1/4"	1 1/16"	1 3/8"	9"	3"
10"	11 1/8"	1 1/2"	1 1/4"	1/4"	1 1/16"	1 3/8"	10 9/16"	3"
12"	13 1/8"	1 1/2"	1 1/4"	1/4"	1 1/16"	1 3/8"	12"	3"

*Low profile option.

COLONIAL SQUARE CAP AND BASE DIMENSIONS*

Col. Size	C	D	E	F	J	K	L	R
6"	8 1/4"	1 3/8"	1 5/16"	3/16"	1"	1 3/8"		



DORIC CAP AND BASE DIMENSIONS

Column Size	C	D	E	F	J	K	L	R
8"	10 1/8"	1 1/8"	1 5/8"	7/8"	1"	1 3/8"	10"	4 7/16"
10"	12 15/16"	2 3/8"	2 1/16"	1 1/8"	1 5/16"	1 11/16"	12 1/2"	5 9/16"
12"	15 1/2"	2 7/8"	2 1/2"	1 3/8"	1 9/16"	2"	15"	6 11/16"
14"	18"	3 5/16"	2 7/8"	1 9/16"	1 13/16"	2 3/8"	17 1/2"	7 13/16"
16"	20"	3 3/4"	3"	2 1/4"	1 9/16"	2 3/4"	20 1/2"	9"
18"	23 1/4"	4"	3 1/2"	2 1/2"	1 3/4"	3"	23 1/8"	10"

USCAN PERMATUFF® BASE AND POLY CAP DIMENSIONS

Column Size	C	D	E	F	G	H
8"	10 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	2 $\frac{3}{8}$ "	9 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "
10"	12 $\frac{7}{8}$ "	2 $\frac{3}{8}$ "	2 $\frac{7}{8}$ "	11 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	1 $\frac{1}{4}$ "
12"	15 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	13 $\frac{3}{4}$ "	2 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "

*Not Available Split

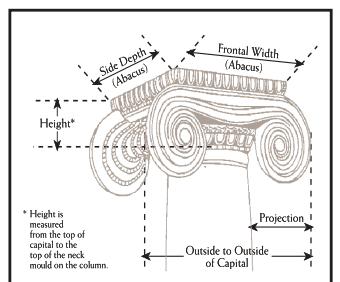
DECORATIVE CAPITAL DIMENSIONS FOR ROUND TAPERED AND SQUARE COLUMNS (IN INCHES)

Size of Column	6"		8"		10"		12"		14"	16"		18"	20"	22"	24"	28"	30"
	Round	Square	Round	Square	Round	Square	Round	Square	Round	Round	Square	Round	Round	Round	Round	Round	Round
Roman Ionic	N/A	3 ¹³ / ₁₆ "	3 ¹⁵ / ₁₆ "	4 ¹ / ₈ "	4 ⁷ / ₈ "	4 ⁵ / ₈ "	6 ¹ / ₄ "	5 ⁵ / ₈ "	6 ³ / ₄ "	8 ⁷ / ₈ "	9 ¹ / ₂ "	10 ⁵ / ₁₆ "	9 ⁵ / ₁₆ "	9 ⁷ / ₁₆ "	N/A	N/A	
		10 ¹ / ₈ "	8 ¹ / ₈ "	11 ¹ / ₁₆ "	10 ³ / ₄ "	14 ³ / ₄ "	12 ¹ / ₂ "	16 ⁷ / ₈ "	17 ¹ / ₈ "	19 ¹³ / ₁₆ "	26"	25 ¹ / ₄ "	25 ¹ / ₄ "	23 ³ / ₁₆ "			
		3 ¹ / ₄ "	3 ¹ / ₈ "	3"	4 ¹ / ₈ "	4 ¹ / ₈ "	5"	6 ¹ / ₄ "	7 ⁷ / ₈ "	8"	8 ¹ / ₂ "	11 ¹ / ₄ "	11 ¹ / ₄ "	10"			
		12 ¹ / ₈ "	10 ¹ / ₂ "	13 ¹⁵ / ₁₆ "	13 ⁹ / ₁₆ "	17 ¹ / ₄ "	16 ¹ / ₂ "	23 ¹ / ₈ "	22 ² / ₁₆ "	24 ³ / ₈ "	32 ¹ / ₈ "	31 ³ / ₄ "	31 ³ / ₄ "	33"			
		2 ⁵ / ₈ "			4 ¹ / ₂ "		5"		11 ¹ / ₄ "	14"		15 ¹ / ₂ "	17"	19 ¹ / ₄ "	21 ³ / ₄ "		
Greek Ionic	N/A	5 ¹ / ₂ "	4 ¹ / ₈ "	6 ¹ / ₄ "	5 ⁵ / ₈ "	6 ³ / ₄ "	6 ¹ / ₆ "	9 ¹ / ₄ "	6 ³ / ₄ "	10 ³ / ₈ "	11"	10 ⁵ / ₁₆ "	11 ³ / ₈ "	13 ⁷ / ₈ "	N/A	19 ¹ / ₄ "	
		11"	7 ¹⁵ / ₁₆ "	12 ⁵ / ₈ "	10 ¹¹ / ₁₆ "	16"	14 ³ / ₈ "	17 ³ / ₄ "	15 ¹ / ₈ "	22 ¹ / ₈ "	26 ¹⁵ / ₁₆ "	22 ³ / ₁₆ "	25 ¹ / ₄ "	29"			
		4 ⁵ / ₈ "	3 ⁵ / ₈ "	4 ⁷ / ₈ "	5"	5 ⁷ / ₈ "	7 ¹ / ₂ "	7 ¹ / ₄ "	6 ¹ / ₂ "	10 ¹ / ₄ "	10 ³ / ₄ "	9 ¹ / ₂ "	11 ¹ / ₄ "	15 ¹ / ₂ "			
		14 ¹ / ₂ "	11 ⁷ / ₈ "	17 ⁹ / ₁₆ "	14 ¹⁵ / ₁₆ "	20 ⁷ / ₈ "	20 ¹ / ₁₆ "	26 ³ / ₈ "	20 ¹¹ / ₁₆ "	29 ¹ / ₄ "	36 ³ / ₁₆ "	29 ¹ / ₈ "	31 ³ / ₄ "	43 ¹ / ₂ "			
		2 ⁵ / ₈ "			4 ¹ / ₂ "		5"		11 ¹ / ₄ "	14"		15 ¹ / ₂ "	17"	19 ¹ / ₄ "	21 ³ / ₄ "		
Temple of the Winds	N/A	8 ⁷ / ₁₆ "	8"	11 ¹ / ₂ "	10 ¹¹ / ₁₆ "	13 ⁷ / ₈ "	11 ⁵ / ₈ "	20 ¹ / ₂ "	16 ¹ / ₄ "	18 ¹ / ₄ "	21 ¹⁵ / ₁₆ "	21 ⁷ / ₈ "	23"	24 ¹ / ₈ "	27 ⁷ / ₈ "	N/A	N/A
		12 ¹ / ₈ "	11 ⁷ / ₈ "	15 ¹ / ₂ "	13 ⁷ / ₁₆ "	21 ³ / ₁₆ "	16 ⁹ / ₁₆ "	25 ³ / ₄ "	23 ¹ / ₄ "	26"	29 ¹⁵ / ₁₆ "	28 ³ / ₈ "	34 ³ / ₄ "	35 ¹ / ₄ "	37 ¹ / ₄ "		
		4 ³ / ₈ "	5 ¹ / ₂ "	5 ¹ / ₈ "	6"	8"	7"	9 ⁷ / ₈ "	10 ⁷ / ₈ "	11 ¹ / ₈ "	9 ³ / ₄ "	12"	15 ¹ / ₂ "	14 ¹ / ₈ "	16 ¹ / ₈ "		
		12 ¹ / ₈ "	11 ⁷ / ₈ "	15 ¹ / ₂ "	13 ⁷ / ₁₆ "	21 ³ / ₁₆ "	16 ⁹ / ₁₆ "	25 ³ / ₄ "	23 ³ / ₈ "	26"	29 ¹⁵ / ₁₆ "	28 ³ / ₈ "	34 ³ / ₄ "	35 ¹ / ₄ "	37 ¹ / ₄ "		
		2 ⁵ / ₈ "			4 ¹ / ₂ "		5"		11 ¹ / ₄ "	14"		15 ¹ / ₂ "	17"	19 ¹ / ₄ "	21 ³ / ₄ "		
Roman Corinthian	N/A	10 ³ / ₄ "	8 ¹⁵ / ₁₆ "	13 ¹¹ / ₁₆ "	11 ¹⁵ / ₁₆ "	17 ³ / ₄ "	14 ⁵ / ₈ "	20 ¹ / ₈ "	17 ⁵ / ₈ "	23"	26 ¹ / ₂ "	28 ⁷ / ₁₆ "	31 ⁷ / ₈ "	34 ¹ / ₄ "	N/A	N/A	
		13 ¹ / ₄ "	12 ¹ / ₆ "	18"	14 ⁵ / ₈ "	22 ⁵ / ₈ "	18 ¹ / ₈ "	26 ¹ / ₄ "	22 ¹³ / ₁₆ "	32 ³ / ₈ "	37 ¹ / ₂ "	38 ⁷ / ₈ "	41 ⁵ / ₈ "	40 ¹ / ₄ "	45 ¹ / ₄ "		
		4 ¹ / ₄ "	4 ³ / ₄ "	6"	6 ¹ / ₄ "	7 ⁷ / ₈ "	8 ¹ / ₄ "	8 ⁷ / ₈ "	8 ⁷ / ₈ "	14 ¹ / ₄ "	13 ³ / ₈ "	17 ¹ / ₂ "	16 ³ / ₄ "	16"	17 ¹ / ₂ "		
		13 ¹ / ₄ "	12 ¹ / ₆ "	18"	14 ⁵ / ₈ "	22 ⁵ / ₈ "	18 ¹ / ₈ "	26 ¹ / ₄ "	22 ¹³ / ₁₆ "	32"	37 ¹ / ₂ "	38 ⁷ / ₈ "	41 ⁵ / ₈ "	40 ¹ / ₄ "	45 ¹ / ₄ "		
		2 ⁵ / ₈ "			4 ¹ / ₂ "		5"		11 ¹ / ₄ "	14"		15 ¹ / ₂ "	17"	19 ¹ / ₄ "	21 ³ / ₄ "		
Scamozzi	N/A	3 ¹ / ₄ "	3 ¹ / ₆ "	5"	4 ¹ / ₆ "	5 ⁵ / ₆ "	5 ¹ / ₁₆ "	6 ¹ / ₂ "	5 ³ / ₄ "	7 ⁷ / ₁₆ "	8 ¹⁵ / ₁₆ "	8 ³ / ₄ "	8 ⁵ / ₆ "	10 ³ / ₄ "	11 ¹ / ₂ "	12 ¹ / ₄ "	15 ¹ / ₄ "
		11 ¹ / ₄ "	9 ⁷ / ₈ "	16 ³ / ₁₆ "	14 ¹ / ₄ "	17 ⁷ / ₈ "	16 ⁵ / ₈ "	20 ⁷ / ₈ "	18 ¹ / ₄ "	23 ³ / ₄ "	26"	28 ⁵ / ₈ "	28 ¹ / ₂ "	32"	36"	38 ¹ / ₄ "	46 ¹ / ₄ "
		3 ³ / ₈ "	3 ³ / ₈ "	5 ¹ / ₈ "	5 ³ / ₈ "	5 ¹ / ₈ "	6"	5 ¹ / ₄ "	6 ⁵ / ₈ "	8 ³ / ₄ "	5 ¹ / ₄ "	10 ¹ / ₄ "	10 ¹ / ₄ "	10 ¹ / ₄ "	12 ¹ / ₂ "	13 ³ / ₄ "	16 ¹ / ₈ "
		11 ³ / ₈ "	10"	16 ³ / ₁₆ "	14 ¹ / ₄ "	18 ¹ / ₁₆ "	16 ⁵ / ₈ "	20 ⁷ / ₈ "	18 ⁸ / ₁₆ "	23 ³ / ₄ "	26"	28 ⁵ / ₈ "	28 ⁵ / ₈ "	32"	36"	38 ¹ / ₂ "	46 ¹ / ₄ "
		2 ⁵ / ₈ "			4 ¹ / ₂ "		5"		11 ¹ / ₄ "	14"		15 ¹ / ₂ "	17"	19 ¹ / ₄ "	21 ³ / ₄ "	24 ⁵ / ₈ "	26 ¹ / ₂ "

*Inside Diameter.

- See page 7 for images.

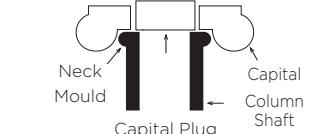
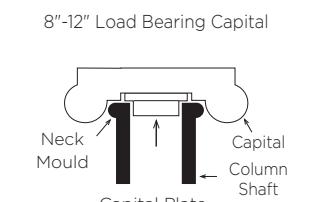
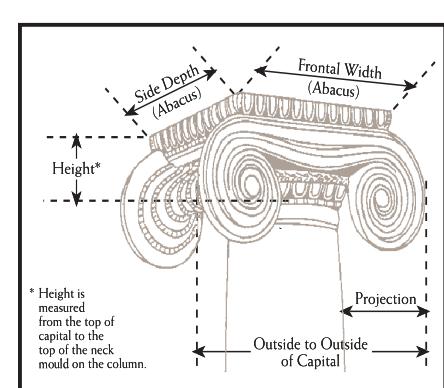
Splitting Options



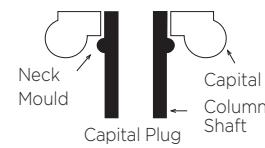
NOTE: Decorative Capitals are not designed to fit non-tapered columns.

Pro Tips

- ✓ When ordering a decorative capital order the appropriate base for the column.
- ✓ Decorative capitals for square PermaCast®Plus slide over the shaft and do not use a plug. These decorative capitals will not add or subtract from the overall height.
- ✓ When installing a decorative capital on fluted, recessed panel, or square columns, the capital slides over the shaft. The taller capitals will cover the flutes and require additional caulking to finish.
- ✓ Verify exact opening measurement prior to ordering column length.
- ✓ When installing a PermaCast®Plus column, verify concentric loading of column. 100% of bottom must contact substrate and 75% of top must contact soffit.
- ✓ When attaching handrails or corner iron to PermaCast®Plus columns, holes must be pre-drilled before applying screws.
- ✓ Split columns are left partially intact. Cut with masonry or carbide-tipped blade.
- ✓ All custom split columns, adjusted flutes, caps, and bases are nonrefundable.



Decorative Capitals for SQUARE PermaCast® Plus Columns



Adding a decorative capital to a square PermaCast®Plus column DOES NOT change the length of the column shaft. The decorative capital simply slides over the shaft. Neck moulding can be applied or not.



PermaLite® Columns

HB&G PermaLite® columns are a cost-effective solution that are load-bearing, extremely versatile, require very little routine maintenance and deliver all of the beauty of a column with just one-third of the weight.

- Weatherproof
- Insect Proof
- Load Bearing
- Low Maintenance
- Lightweight
- Limited Lifetime Warranty*



PermaLite® Plain



Square Tuscan Cap

Square Tuscan Base

Top View Cut-Away



PermaLite®
Square Plain

For Tuscan Cap and Base dimensions
refer to page 19.



17040 Standard
Installation Kit
(Sold separately)



SQUARE PERMALITE® COLUMN DIMENSIONS (IN INCHES)

Column Size	A	C	D	E	F	G	J	K	L	P	Lengths Available (ft.)
6"	5 1/2"	8 1/2"	1 1/2"	1 1/4"	1/2"	1 1/4"	7/8"	1 1/16"	8"	N/A	6,8,9,10
8"	7 1/2"	10 3/8"	1 7/8"	1 3/4"	5/8"	1 1/4"	1"	1 3/8"	10 1/8"	3 7/8"	6,8,9,10,12
8"*	7 1/2"	10 7/16"	1 7/8"	1 11/16"	5/8"	1 1/4"	1"	1 3/8"	10 1/4"	3 7/8"	6,8,9,10,12
10"	9 1/2"	12 15/16"	2 1/2"	2 1/8"	3/4"	1 1/4"	1 5/16"	1 3/4"	12 3/4"	4 3/8"	6,8,9,10,12
10"*	9 1/2"	13 1/8"	3 3/8"	2 1/8"	3/4"	1 1/4"	1 1/4"	1 3/4"	12 3/4"	4 3/8"	6,8,9,10,12

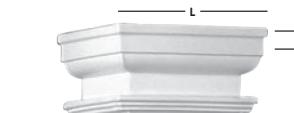
* SIM caps and bases. The remainder are poly caps and bases.

• Neck moulding is 4 pieces included with the cap and base.

• NOTE: Tuscan cap dimensions are above.

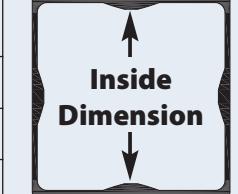
NOTES: Neck mould is adjustable and is applied in the field. Factory-split PermaLite® Columns are not available. HB&G does not recommend splitting PermaLite® columns.

PermaLite® Square
No-Taper Column shown with
Tuscan Cap and Base.



SQUARE PERMALITE® INSIDE DIMENSION

Column Width	Inside
6"	4 5/8"
8"	6 5/8"
10"	8 5/8"



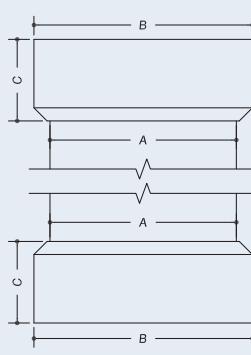
COLONIAL SQUARE CAP AND BASE FOR PERMALITE®

Column Size	C	D	E	F	J	K	L	R
6"	8 1/8"	1 1/4"	1 1/16"	7/16"	5/8"	1"	7 7/16"	2 3/4"
8"	10 1/8"	1 1/4"	1 1/16"	7/16"	1 5/16"	1"	9 7/16"	2 3/4"
10"	12 1/8"	1 1/4"	1 1/16"	7/16"	1 5/16"	1 1/4"	12 1/8"	2 3/4"

• Neck moulding is 4 pieces included with the cap and base.

BEVELED CAP & BASE SET

Size	A	B	C
6"	5 1/2"	7 5/8"	3 1/2"
8"	7 1/2"	7 5/8"	3 1/2"
10"	9 1/2"	11 5/8"	5 1/2"



See Installation Kit on page 18.

SmartColumn®

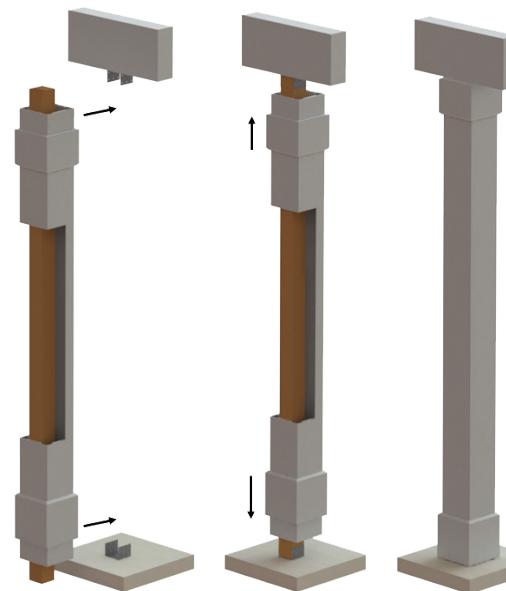
A NEW SEAMLESS FIBERGLASS SLEEVE
FOR PRESSURE-TREATED WOOD POSTS*

Features

- Easy installation! Installs 3.5 times faster than a typical site-built column
- Limited Lifetime Warranty for peace of mind
- Superior aesthetics compared to a site-built column
- SmartColumn® = The Smart Choice

What you need to know:

- Structural post and installation brackets are not included.
- Order by rough opening size. The column shaft itself is designed to be 12" shorter than the rough opening.
- Capital and base attached to the column shaft conceal all hardware and post once installed.

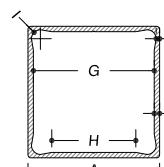
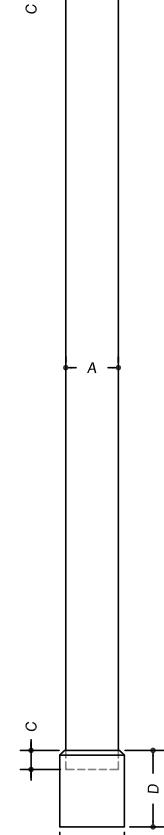
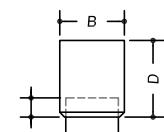


*Pressure-treated post not included.

PLAIN SQUARE SMART COLUMN DIMENSIONS (IN INCHES)

Column Size	A	B	C	D	E	F	G	H	I	Lengths Avail. (ft.)
6"	5½"	6¾"	2"	8"	½"	¼"	5¼"	1¼"	¾"	8, 9, 10
8"	7½"	8¾"	2"	8"	¾"	¼"	7"	1¼"	¾"	8, 9, 10
10"	9½"	10¾"	2"	8"	¾"	¼"	9"	1¼"	¾"	8, 9, 10

* SmartColumns® include SIM cap and base.



PermaSnap™ Column Wrap

Transform a treated post into a finished column in minutes with PermaSnap™. PermaSnap™ column wrap's special design permits easy installation by one person. It can also be used as a newel post wrap.

Bed Mould Hampton Chesapeake



• Adhesive not included

- 25-Year Limited Warranty*
- Weatherproof
- Insect Proof
- Low Maintenance
- Made from PVC
- Easy Installation



PermaSnap™ Column Wrap Technical Specifications

Product Description Will Fit	Outside	Column Wrap Dimension
4" x 4" x 8'- 6"	4¾" x 4¾"	4" x 4" Post
4" x 4" x 10'- 0"	4¾" x 4¾"	4" x 4" Post
6" x 6" x 8'- 6"	6¾" x 6¾"	6" x 6" Post
6" x 6" x 10'- 0"	6¾" x 6¾"	6" x 6" Post
8" x 8" x 8'- 6"	9½" x 9½"	8" x 8" Post
8" x 8" x 10'- 0"	9½" x 9½"	8" x 8" Post
10" x 10" x 8'- 6"	11½" x 11½"	10" x 10" Post
10" x 10" x 10'- 0"	11½" x 11½"	10" x 10" Post

*There may be a variance of up to ¼" in all dimensions.

PermaSnap™ Accessories	Sizes Available
Bed Mould Trim Kit*	4, 6, 8 and 10"
Hampton Trim Kit	4, 6, 8 and 10"
Chesapeake Trim Kit	4, 6, 8 and 10"
Bed Mould XL	4, 6, 8 and 10"
Neck Mould	4, 6, 8 and 10"
Charleston Newel Cap	4"
Wilmington Newel Cap	4"
Ashbury Newel Cap	6"

*Bed Mould Trim Kit is needed for both ends
Note: Accessories sold separately.



Charleston 4" Newel Cap



Wilmington 4" Newel Cap



Ashbury 6" Newel Cap

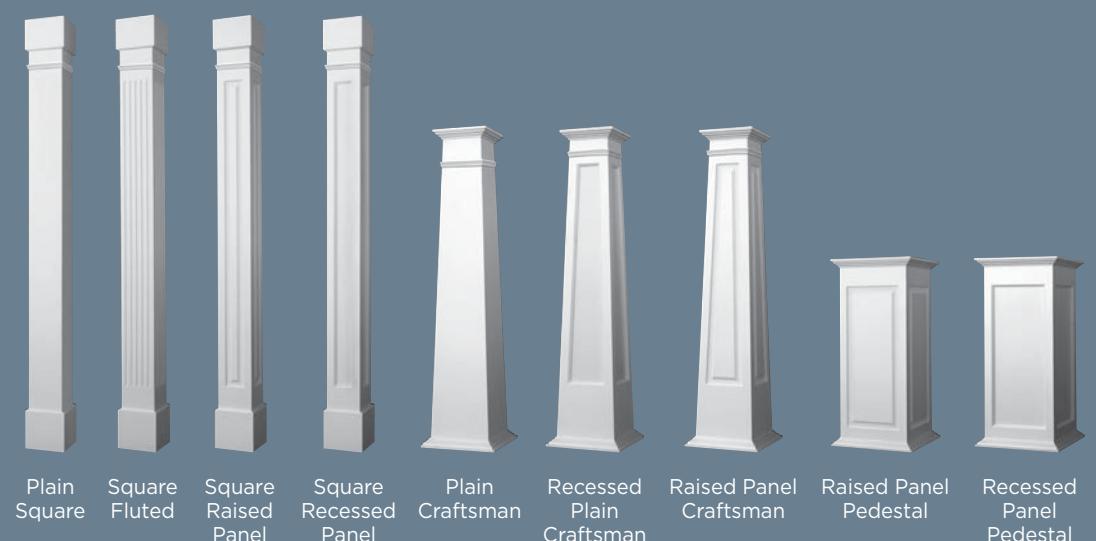


- 25-year limited warranty*
- Custom styles available
- Made from cellular PVC
- Installation kit included

- Interior and exterior use
- Weatherproof
- Insect proof
- Low maintenance

Leading the industry in column innovation, HB&G PermaWrap® columns are made from cellular PVC which offers the advantages of being unaffected by moisture and insects but has the thickness, ease of use, and workability of wood. PermaWrap® columns are available in multiple sizes and styles – square or Craftsman – plain, fluted, raised panel, and recessed panel. With all of these options, you are certain to find just the right amount of detail for your specific project. Best of all, the PermaWrap® column comes with a 25-year HB&G warranty.

***See Warranty.**



*Made from polyurethane and may need to be split in the field for installation.



**HB&G PermaWrap Columns install
in just 1/3rd the time of a site-built
column, see it side-by-side today!**

Get the wood look without the hassle of wood!

Our PermaWrap Columns can be ordered with our new Woodgrain PVC material, really giving your project a traditional look and feel. Featuring a realistic embossed woodgrain pattern which resembles popular trim boards and cement siding on the market today, these products bring a simple solution to your building projects with all of the same low-maintenance, long-lasting and easy-to-install benefits as our standard smooth PermaWrap Column offering.



**Realistic embossed
woodgrain pattern**



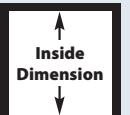
**PLAIN PERMAWRAP® WITH STANDARD
CAP & BASE DIMENSIONS (IN INCHES)**

Col. Width	A	C	G	L	R	U	Lengths (ft.)
6"	5 1/8"	6 3/4"	1"	6 3/4"	12"	6"	6, 8, 9, 10, 12
8"	7 1/8"	8 3/4"	1"	8 3/4"	12"	6"	6, 8, 9, 10, 12
10"	9 1/8"	10 3/4"	1"	10 3/4"	12"	6"	6, 8, 9, 10, 12
12"	11 1/8"	12 3/4"	1"	12 3/4"	12"	6"	6, 8, 9, 10, 12

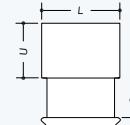
- Ogee cap and base available.
- Structural options available.
- Standard cap and base = $\frac{3}{8}$ " material.



**INSIDE DIMENSIONS
FOR VALUE $\frac{3}{8}$ MAT**



Col. Width	Lengths (ft.)
6"	6, 8, 9, 10, 12
8"	6, 8, 9, 10, 12
10"	6, 8, 9, 10, 12
12"	6, 8, 9, 10, 12



Plain Square



AVAILABLE SIZES

Col. Width	Lengths (ft.)
6"	6, 8, 9, 10, 12
8"	6, 8, 9, 10, 12
10"	6, 8, 9, 10, 12
12"	6, 8, 9, 10, 12

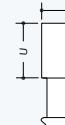


Standard Cap & Base

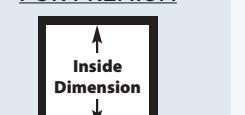
**PERMAWRAP® PLAIN, FLUTED, RECESSED PANEL, AND RAISED PANEL
WITH OGEET CAP & BASE DIMENSIONS (IN INCHES)**

Col. Width	A	C	G	L	N	O	S*	R	U	Lengths (ft.)
6"	5 1/8"	7 1/4"	1 1/8"	7 1/4"	6"	6"	1 3/4"	9"	7"	6, 8, 9, 10, 12
8"	7 1/8"	9 1/4"	1 1/8"	9 1/4"	6"	6"	1 3/4"	9"	7"	6, 8, 9, 10, 12
10"	9 1/8"	11 1/4"	1 1/8"	11 1/4"	6"	6"	1 3/4"	9"	7"	6, 8, 9, 10, 12
12"	11 1/8"	13 1/4"	1 1/8"	13 1/4"	6"	6"	1 3/4"	9"	7"	6, 8, 9, 10, 12

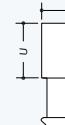
* Ogee cap and base = $\frac{3}{8}$ " material. Rail breaks are 7" long and designed to fit 36" or 42" rail heights. *S dimension for 6" raised panel is 1 1/4", 8" raised panel is 1 1/2". S dimension for fluted columns varies. Additional sizes are available.



**INSIDE DIMENSIONS*
FOR PREMIUM**

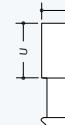


Col. Width	Lengths (ft.)
6"	4 1/8"
8"	6 1/8"
10"	8 1/8"
12"	10 1/8"



**NUMBER OF FLUTES
PER SIDE**

Col. Width	Lengths (ft.)
6"	3
8"	5
10"	7
12"	8

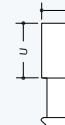


AVAILABLE SIZES

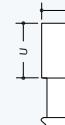
Col. Width	Lengths (ft.)
6"	6, 8, 9, 10, 12
8"	6, 8, 9, 10, 12
10"	6, 8, 9, 10, 12
12"	6, 8, 9, 10, 12



OGEE CAP & BASE



OGEE CAP & BASE



OGEE CAP & BASE



Plain Craftsman

Recessed Panel Craftsman

Raised Panel Craftsman



PERMAWRAP® PLAIN, RECESSED, AND RAISED PANEL CRAFTSMAN DIMENSIONS (IN INCHES)											
Col. Width	A	B	C	G	L	N	O	S	R	U	Lengths
10"x 6"	9 1/8"	5 1/8"	12 7/8"	1 1/8"	8 7/8"	6"	6"	1 3/4"	2"	2"	48", 54", 60", 66", 72", 84", 96", 108", 120"
12"x 8"	11 1/8"	7 1/8"	14 7/8"	1 1/8"	10 7/8"	6"	6"	1 3/4"	2"	2"	48", 54", 60", 66", 72", 84", 96", 108", 120"
16"x 10"	15 1/8"	9 1/8"	18 7/8"	1 1/8"	12 7/8"	6"	6"	1 3/4"	2"	2"	48", 54", 60", 66", 72", 84", 96", 108", 120"
20"x 15"	19 1/8"	14 7/8"	22 7/8"	1 1/8"	17 7/8"	6"	6"	1 3/4"	2"	2"	48", 54", 60", 66", 72", 84", 96", 108", 120"
24"x 16"	23 1/8"	15 7/8"	26 7/8"	1 1/8"	18 7/8"	6"	6"	1 3/4"	2"	2"	48", 54", 60", 66", 72", 84", 96", 108", 120"

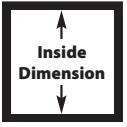
*Additional sizes are available from 5" to 24" wide and 2' to 20' in length.

PLAIN PANEL INSIDE DIMENSIONS

	Bottom	Top
10"x 6"	8 7/8"	4 1/8"
12"x 8"	10 7/8"	6 7/8"
16"x 10"	14 7/8"	8 7/8"
20"x 15"	18 7/8"	13 7/8"
24"x 16"	22 7/8"	14 7/8"

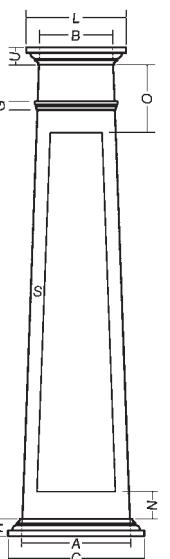
RECESSED PANEL INSIDE DIMENSIONS

	Bottom	Top
10"x 6"	7 7/8"	3 7/8"
12"x 8"	9 7/8"	5 7/8"
16"x 10"	13 7/8"	7 7/8"
20"x 15"	17 7/8"	12 7/8"
24"x 16"	21 7/8"	13 7/8"



AVAILABLE SIZES

10"x 6"	48", 54", 60", 66", 72", 84", 96", 108", 120"
12"x 8"	48", 54", 60", 66", 72", 84", 96", 108", 120"
16"x 10"	48", 54", 60", 66", 72", 84", 96", 108", 120"
20"x 15"	48", 54", 60", 66", 72", 84", 96", 108", 120"
24"x 16"	48", 54", 60", 66", 72", 84", 96", 108", 120"

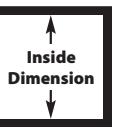


Traditional Cap and Base

PERMAWRAP® PEDESTAL DIMENSIONS (IN INCHES)

Col. Width	A	C	L	N	O	S	R	U	Lengths (ft.)
12"	11 1/8"	14 7/8"	14 7/8"	6"	6"	1 3/4"	2"	2"	40", 46"
16"	15 1/8"	18 7/8"	18 7/8"	6"	6"	1 3/4"	2"	2"	40", 46"
20"	19 1/8"	22 7/8"	22 7/8"	6"	6"	1 3/4"	2"	2"	40", 46"
24"	23 1/8"	26 7/8"	26 7/8"	6"	6"	1 3/4"	2"	2"	40", 46"

* Additional sizes are available.



INSIDE DIMENSIONS*

12"	10 7/8"
16"	14 7/8"
20"	18 7/8"
24"	22 7/8"

INSIDE DIMENSIONS*

12"	9 1/8"
16"	13 7/8"
20"	17 7/8"
24"	21 7/8"

*Plain

AVAILABLE SIZES*

12"	40", 46"
16"	40", 46"
20"	40", 46"
24"	40", 46"



Traditional Cap and Base



Raised Panel Pedestal
Recessed Panel Pedestal

Wood Columns

Round Tapered Wood Columns

COLUMN DIMENSIONS WITH STANDARD CAP AND BASE (IN INCHES)

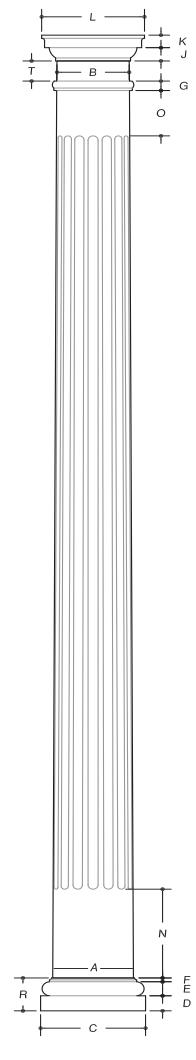
Column Size	A	B	C	D	E	F	G	J	K	L	O	N	R	T	Lengths Avail. (ft.)
6"	5 5/8"	4 5/8"	7 1/4"	1 3/8"	1 1/4"	9/16"	15/16"	15/16"	15/16"	7"	4 1/2"	8"	3 3/16"	2"	8, 10
8"	7"	6 1/4"	9 1/4"	1 1/2"	1 1/4"	3/4"	15/16"	1 1/4"	1 1/4"	9 7/8"	4 1/2"	8"	3 1/4"	2"	8, 10, 12
10"	9"	8 1/4"	11 1/4"	1 1/2"	1 1/4"	3/4"	15/16"	1 1/4"	1 1/4"	10 1/2"	4 1/2"	8"	3 1/4"	2"	8, 10, 12
12"	11 1/8"	9 3/8"	13 1/8"	1 3/8"	1 1/4"	7/8"	15/16"	1 3/4"	1 3/8"	12"	4 1/2"	8"	3 1/8"	2"	8, 10, 12

Larger sizes available. Call for quote.

ROUND TAPERED WOOD INSIDE DIMENSIONS

Inside diameter may vary up to 1/4". Splitting a column will decrease inside dimension 1/8".

Column Size	TOP I.D.	BOT I.D.
6"	3"	3"
8"	4 3/4"	4 3/4"
10"	6 3/4"	6 3/4"
12"	7 7/8"	9 1/4"



DECORATIVE CAPITAL DIMENSIONS FOR ROUND COLUMNS (IN INCHES)

Size of Column	8"	10"	12"
Roman Ionic	Height 8 1/8"	4 1/8"	4 1/8"
	Abacus 3 1/8"	10 3/8"	12 1/2"
	Projection 4 1/8"	5"	5"
	O/S to O/S 10 1/2"	13 1/8"	16 1/2"
Greek Ionic	Height 4 1/8"</td		

Capital and Base Options

Capitals and bases for wood columns are load bearing. The shaft fits between the capital and base and alters the height of the shaft. Several options are offered for wood columns.

Decorative Capitals

Five styles of decorative capitals are available. Nothing makes a statement like wood columns with a decorative capital. 8"-12" decorative capitals for Round wood columns are load bearing. Using a decorative capital with a wood shaft will alter the height of the shaft.

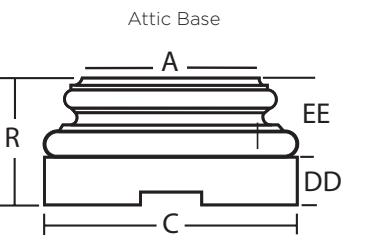
Attic Base

Attic bases are used for a more ornate look and comes in two pieces. (In the chart, see DD for the plinth dimension and EE for the torus dimension).

What You Need To Know

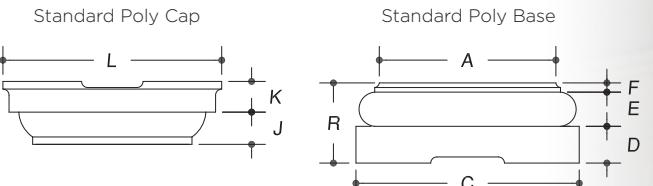
The height of a column includes capital and base (Ex. 8' = shaft 7', 6½" capital and base total 8').

- Cap and base fit on top and bottom of column insulating the column from the elements.
- Split columns are not load bearing.
- Store columns in a dry, well-ventilated area.
- For exterior applications: Paint inside of column shaft with a nonfibrous asphaltum type roof coating. Application must reach minimum 48" up the inside bottom of the column shaft and must be painted.
- Wood columns require ventilation at the top and bottom.
- Failure to adhere to installation instructions voids the warranty.



For columns 8" to 12" in diameter, bases, including plinth, are Polyurethane.

Column Size	Bottom DIA. (NET)	Round Base			
	A	C	DD	EE	R
8"	8½"	10¼"	1⅛"	1⅛"	5⅛"
10"	9½"	13"	2½"	2½"	6½"
12"	11½"	16"	3"	4½"	7½"



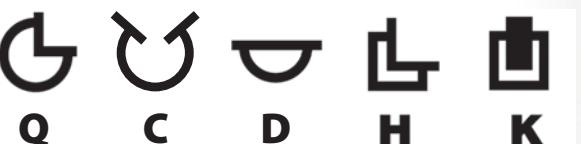
STANDARD POLY CAP DIMENSIONS

Size	J	K	L
6"	1½"	1½"	7¼"
8"	1¼"	1¼"	8¾"
10"	1¼"	1½"	10½"
12"	1¾"	1¾"	12"

STANDARD POLY BASE DIMENSIONS

Size	A	C	D	E	F	R
6"	5½"	7¼"	1¾"	1¼"	9/16"	3¾"
8"	7"	9¼"	1½"	1¼"	¾"	3¼"
10"	9"	11¼"	1½"	1¼"	¾"	3¼"
12"	11½"	13½"	1¾"	1¼"	7/8"	3¾"

CUSTOM SPLITTING OPTIONS



The **PermaPost®** Collection

- Weatherproof
- Insect Proof
- Load Bearing
- Low Maintenance

- Pre-finished White
- Ready to Install
- 25-Year Limited Warranty*

*See Warranty

Chamfered PermaPost®



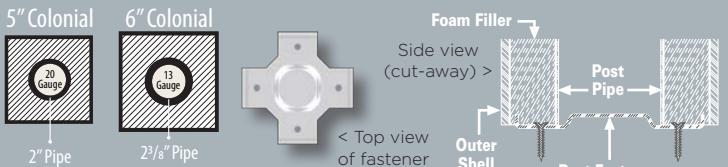
The Square PermaPost® is made from low maintenance PVC and is pre-finished with a white capstock. HB&G's Colonial and Chamfered PermaPost® are made from a low maintenance polyethylene and are pre-finished white and should

PermaPost® Perma Lamp Posts

5" or 6" Colonial PermaPost® 5" Square PermaPost® 6" Chamfered PermaPost® Colonial Lamp Post



Colonial Post Two (2) post fasteners are shipped with each Colonial post.

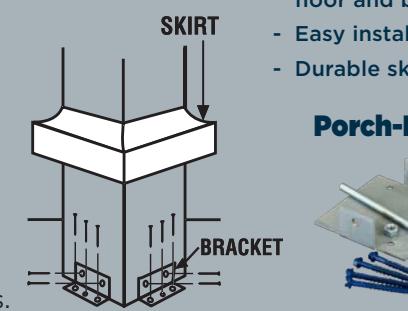


Square Post Two (2) post fasteners are shipped with each Colonial post.



Optional Synthetic Post Fastening Kits

Each kit comes complete with skirt, brackets, and TapCon screws for wood or concrete substrates. Available for all Synthetic Post styles.



not be painted. For a warm and inviting decorative look for your front porch, choose from either the 5" or 6" Colonial PermaPost®, the 5" Square PermaPost®, or the 6" Chamfered PermaPost®.

The Perma Lamp Post is an attractive way to light a drive or garden area. The pipe in the center is designed to allow a wire to be easily installed. The 2 1/8" pipe fits most outdoor lamp fixtures.

Post Size	Width	Turned Area	Base Height	Length (in feet)	Top Portion (Square Top)
Colonial Posts					
5" x 5"	4"	38 1/2"	41 1/2"	8'	16 1/4"
5" x 5"	4"	38 1/2"	45 1/4"	9'	24 1/2"
6" x 6"	5"	38 1/2"	41 1/2"	8'	16 1/4"
6" x 6"	5"	38 1/2"	45 1/4"	9'	24 1/2"
Square Posts					
5" x 5"	4 1/4"	N/A	N/A	8'	N/A
5" x 5"	4 1/4"	N/A	N/A	9'	N/A
5" x 5"	4 1/4"	N/A	N/A	10'	N/A
Chamfered Post					
6" x 6"	3 1/2" & 5 1/2"	N/A	46 1/4"	8'	4 1/2"
Colonial Lamp Post					
5" x 5"	2 1/8" & 4 1/4"	38"	51"	7' 6 1/2"	N/A
Chamfered Lamp Post					
6" x 6"	3 1/2" & 5 1/2"	N/A	46 1/4"	8'	4 1/2"

Measurements in inches unless otherwise noted. There may be a variance of up to 1/4" in all dimensions.
*Load bearing capacity is dependent on the concentric loading of the post.
Note: All sizes are nominal.

Porch-Loc®

- Adds wind uplift resistance.
- Porch-Loc® secures structural Colonial and Square PermaPost® to floor and beam/header.
- Easy installation.
- Durable skirts included.

Wind Uplift Resistant Installation Brackets

Size	Dimension
5" Colonial	4"
6" Colonial	5"
5" Square	4 1/4"

Skirts and hardware included



Description

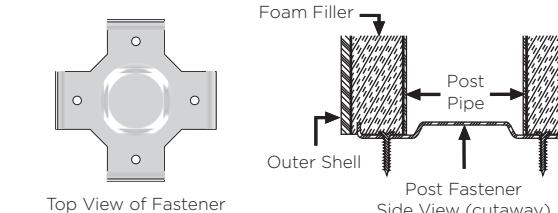
Dimensions are nominal and may vary slightly.

- 5" Colonial PermaPosts and Perma Lamp Posts are net 4".
- 6" Colonial PermaPosts are net 5".
- Chamfered PermaPosts and Perma Lamp Posts are net 3 1/2" (top) and 5 1/2" (bottom).
- Square posts are net 4 1/4".
- Perma Lamp Posts can accommodate most outdoor lamp fixtures.

Fastening Systems

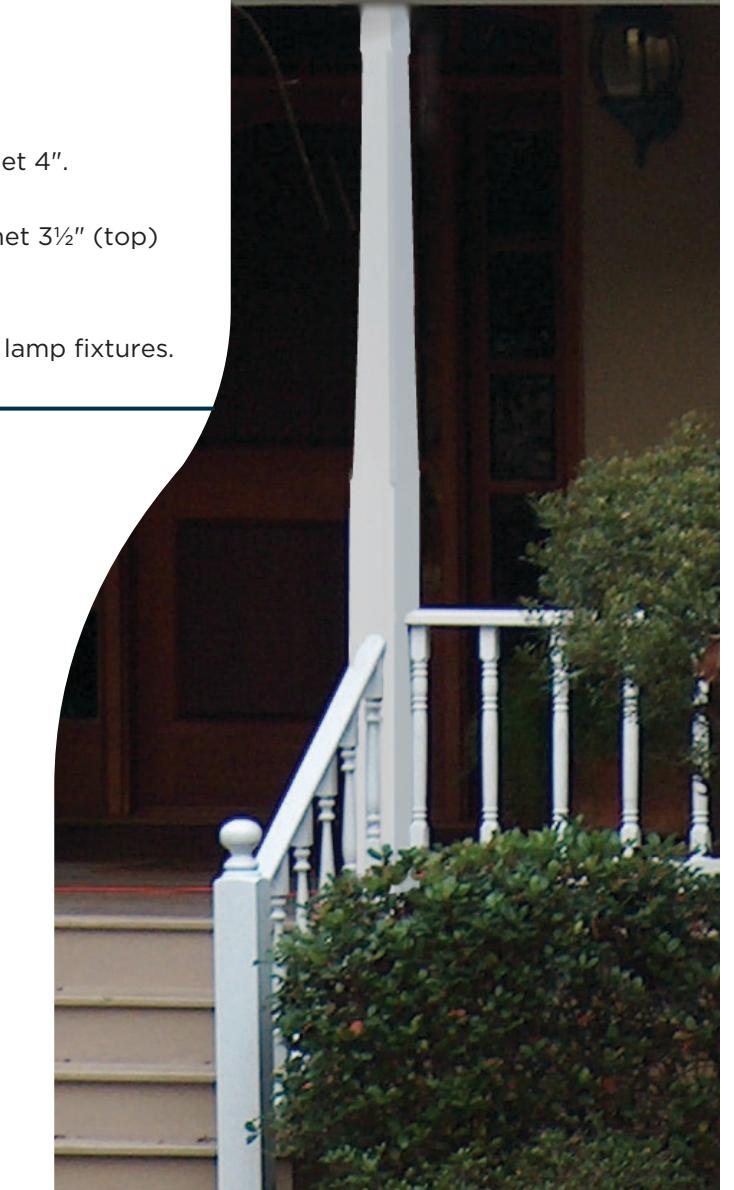
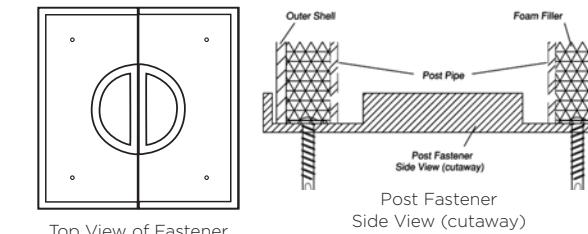
Colonial Post

Two (2) Post Fasteners are shipped with each colonial post.

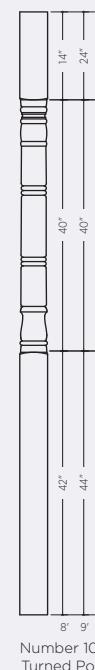


Square Post

Two (2) Post Fasteners are shipped inside each post.



WOOD PORCH POSTS



Number 100 Turned Wood Post*

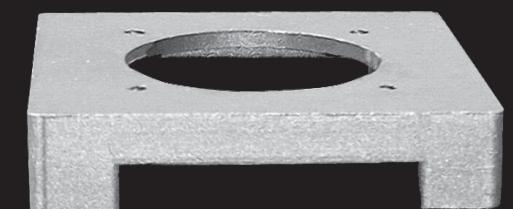
Our No. 100 turned wood posts are available in 4", 5", and 6" nominal sizes.

(Cross sections are 3 1/4", 4 1/4", and 5 1/4" net size.)

*Plinths should always be used with wood posts.

Aluminum Plinth for Wood Post

Wood posts must be installed with aluminum plinths or quick mount bracket to comply with warranty.



The HB&G PermaRail Plus® Collection

- Available in kits, components, and ready to install pre-built sections
- Prefinished; no painting required
- Compliant with IBC up to 10' and IRC up to 12' (CCRR-0262)
- Newel sleeve fits over a pressure-treated 4 x 4 or newel support
- Durable, low maintenance
- Concealed hardware
- Adjustable stair rail brackets*
- Weatherproof
- Insect proof
- Rail Heights 36" and 42"
- Rail Lengths 6, 8, 10, and 12'
- 1¼", and 1½" Square, and 1½" Turned Balusters



The PermaRail Plus® railing system is a beautiful way to tie your whole porch look together. It is made up of several different components, allowing you the ability to create the designs that match your way of life.

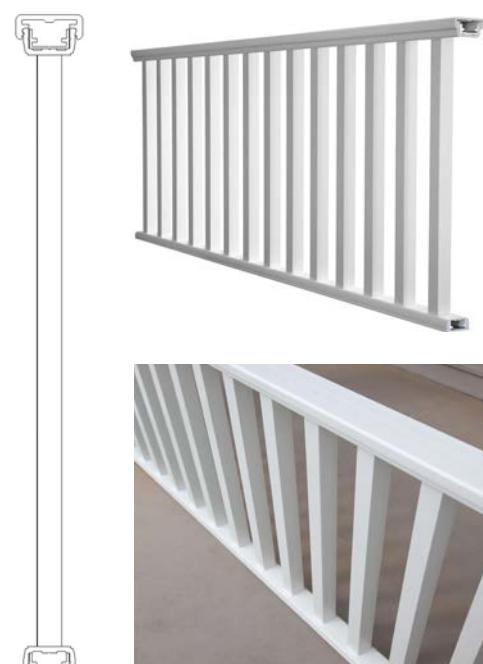
Savannah



Standard



Belhaven



Newport

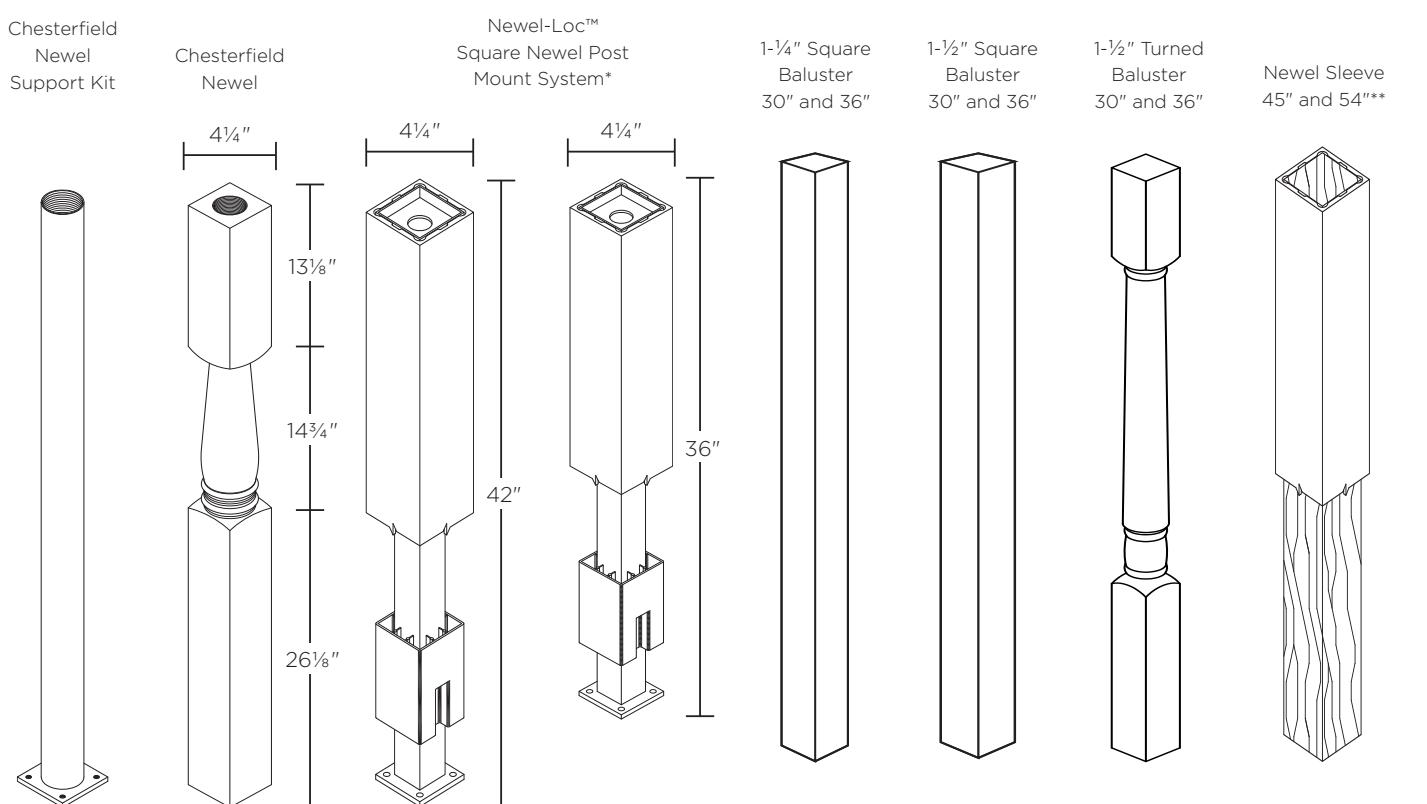
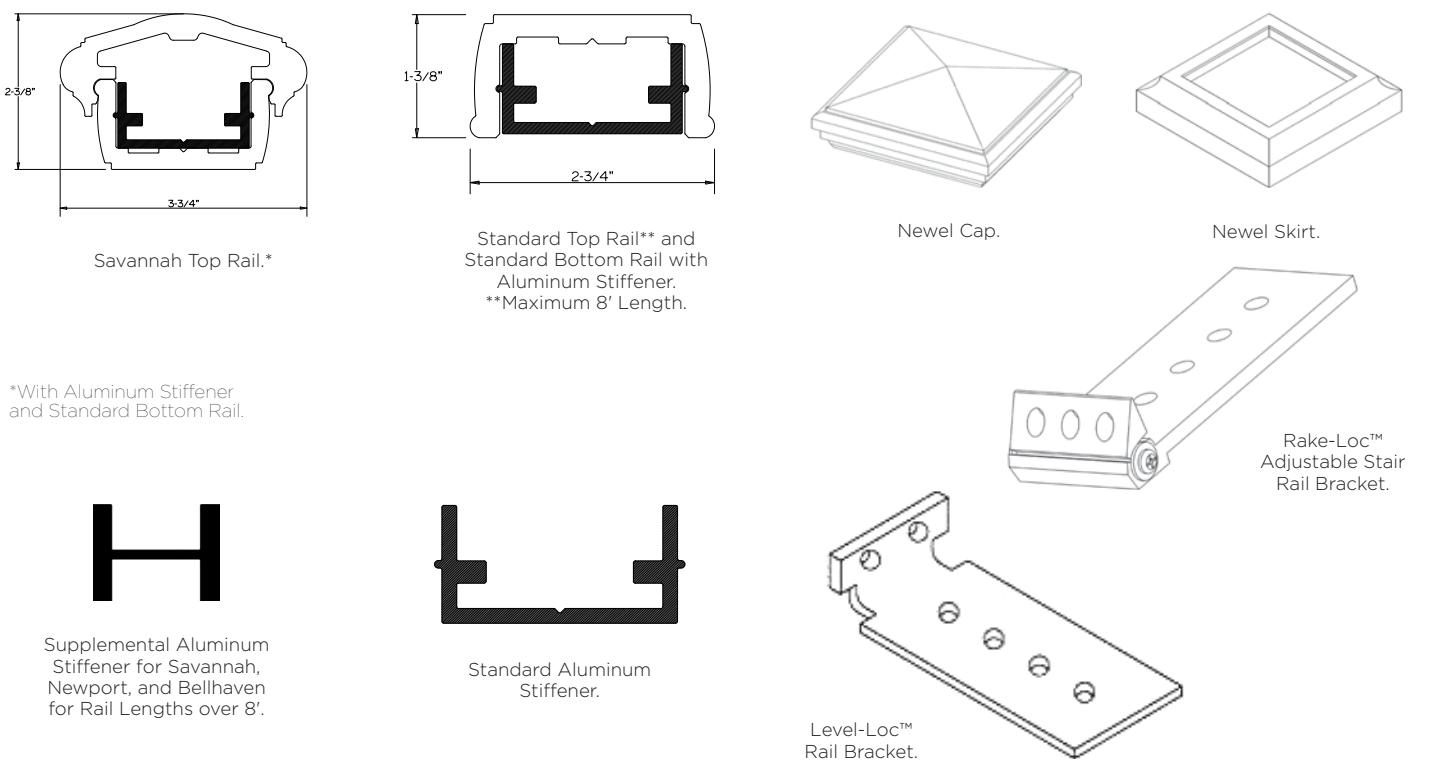


Easy to install, this worry-free railing system will be a beautiful, low maintenance addition to your porch or deck for generations to come.

All rail sections are suitable for use with PermaCast®Plus columns, PermaRail Plus® newels, or PermaPost®.

*HB&G recommends checking all applicable building code requirements before the design and installation of PermaRail Plus®.

Three Ways to Order the PermaRail Plus® Railing...



*The 36" and 42" Newel Post Mounts are designed for coastal conditions.
NOTE: Newel-Loc™ and Newel Sleeve must be purchased separately.

1. Do-it-yourself Kit

Everything needed to assemble and install is included.

- All standard level rail section components included in one box.
- Balusters and all installation hardware included.
- Decorative top rail and Rake-Loc™ stair bracket sold separately.
- How to Order:
 - Choose Your Height: 36" 42"
 - Choose your Length: 6', 8', 10', 12' 6', 8', 10'
 - Choose Decorative Top Rail: Savannah.
- Note: Standard Rail System has a maximum length of 8'. Decorative top rail required.
- Optional concealed adjustable stair rail brackets for 6' and 8' rail lengths.
- Kit Includes:
 - Standard top and bottom rail.
 - 1 1/4" balusters.
 - Support block(s).
 - Aluminum stiffeners.
 - Level-Loc™ rail assembly fasteners and installation hardware.

2. Individual Components

- Build your Own Design.
- For a complete rail system you will need the following:
 - Note: Standard Rail System has a maximum length of 8'.
 - Standard top and bottom rail.
 - Decorative top rail (if not using the Standard Top Rail*).
 - Aluminum stiffeners (2) - Supplemental stiffener for rail lengths over 8'.
 - Square Balusters, 1 1/4 or 1 1/2" Turned Balusters - 30" or 36" long.
 - Support block(s).
 - Level-Loc™ rail hardware kit.
 - Baluster screw kit.

3. Pre-Built Sections

- Shipped factory assembled in standard lengths.
- Easy to install.
- Everything needed to install included.

• How to Order:

- Choose Your Height: 36" 42"
- Choose your Length: 6', 8', 10', 12' 6', 8', 10'
- Choose Decorative Top Rail: Savannah.
- Note: Standard Rail System has a maximum length of 8'.
- Optional Concealed Adjustable Rake-Loc™ stair rail brackets for 6' and 8' rail lengths.
- Onsite trimming and assembly completion required.

*HB&G recommends checking all building codes before the design and installation of your PermaRail Plus® railing.

Building Code Compliance

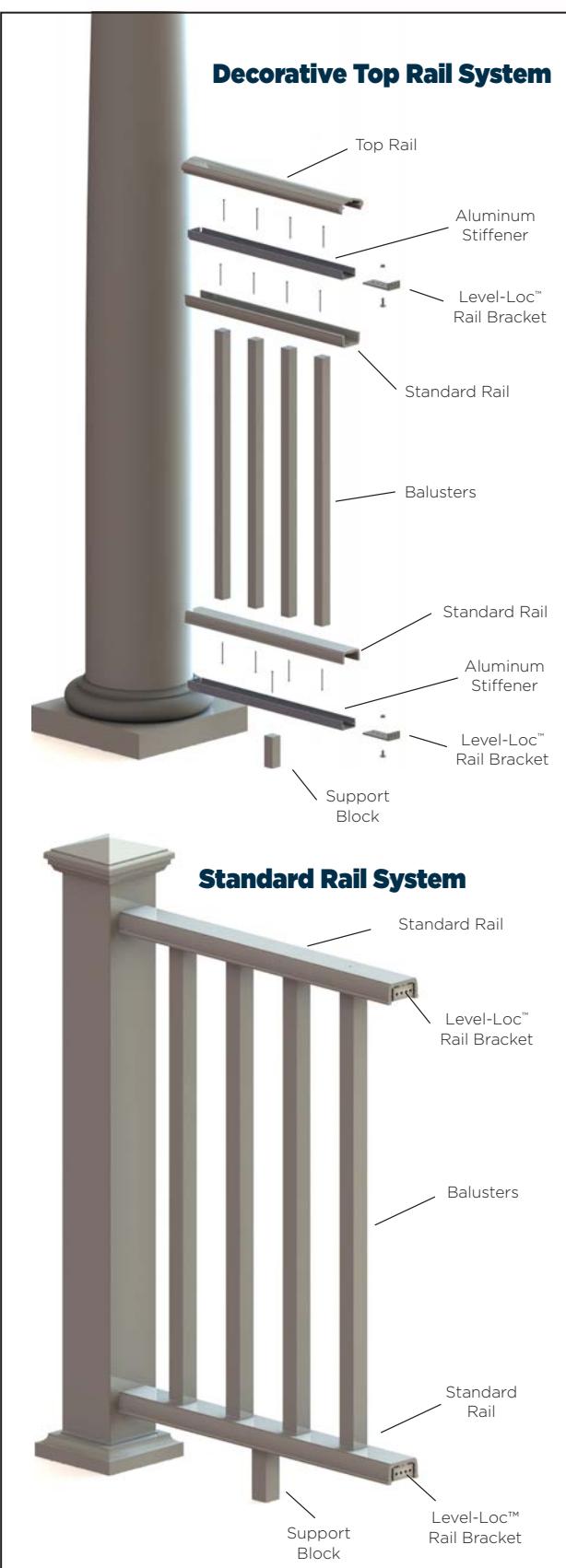
PermaRail Plus® has been tested to the appropriate standards and found to be build code compliant (CCRR-0262) as follows:

Decorative Top Rail System Standard Top Rail System

Level	Rake	Level	Rake		
IRC	up to 12'	up to 8'	IRC	up to 8'	up to 8'
IBC	up to 10'	up to 8'	IBC	up to 8'	up to 8'

Review your application to ensure intended use complies with all applicable building codes.

Typical Assemblies



6" Balustrade System

Balustrade Systems

- Low Maintenance
- Primed White
- Ready to Install and Paint

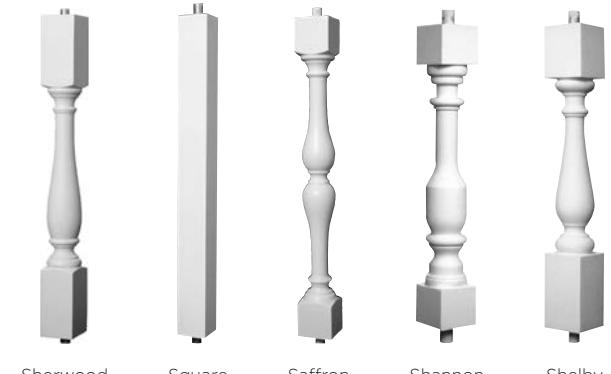
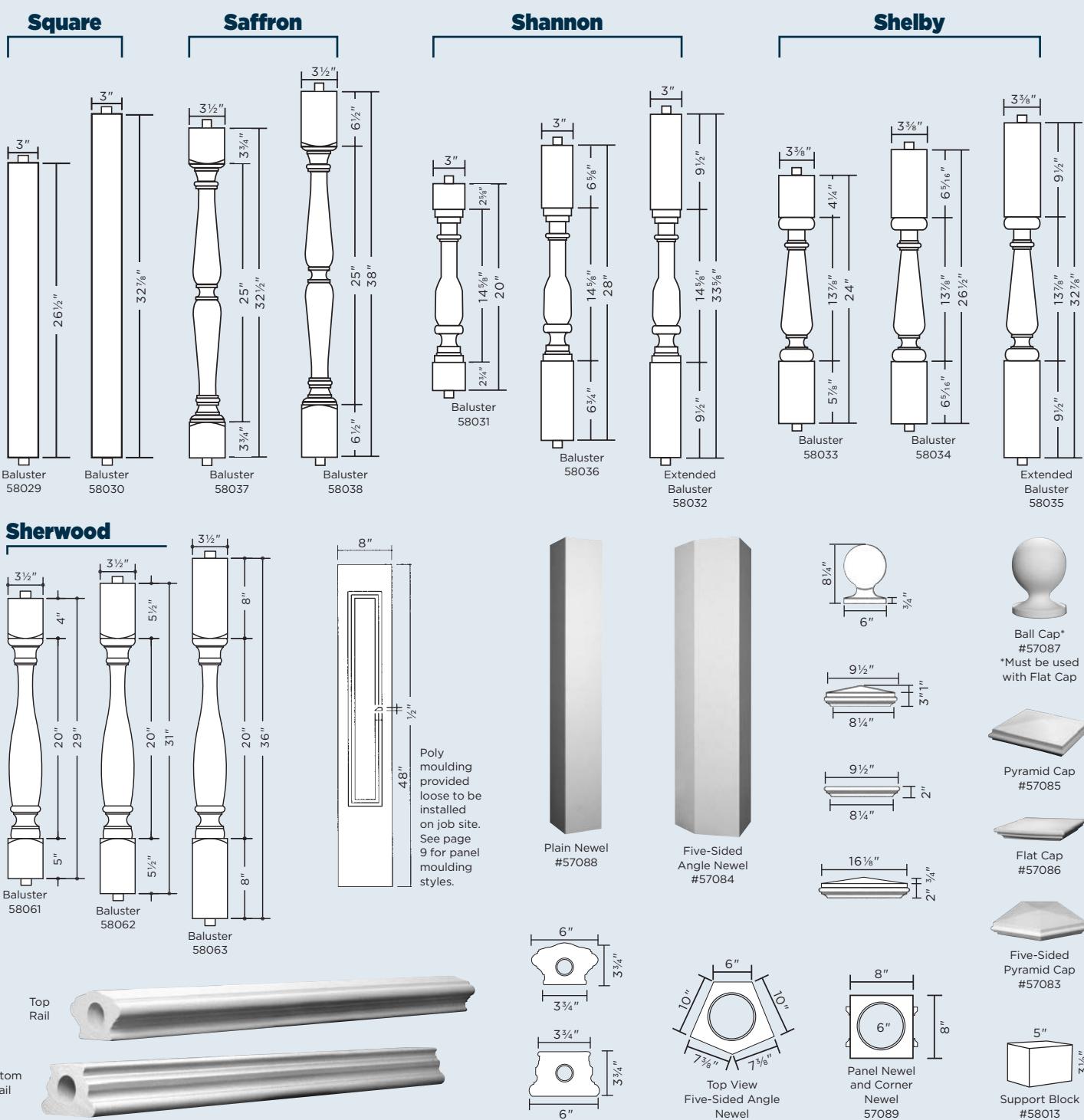
- Easy Installation
- 25-Year Limited Warranty*



We have created a unique and elegant balustrade system that can make your home stand out from the rest. These low-maintenance features are made by moulding high-density urethane around structural

elements in order to provide exceptional beauty, durability, and quality. Choose from three rail sizes and several baluster profiles. Curved balustrade systems are available in 10' sections.

*See Warranty

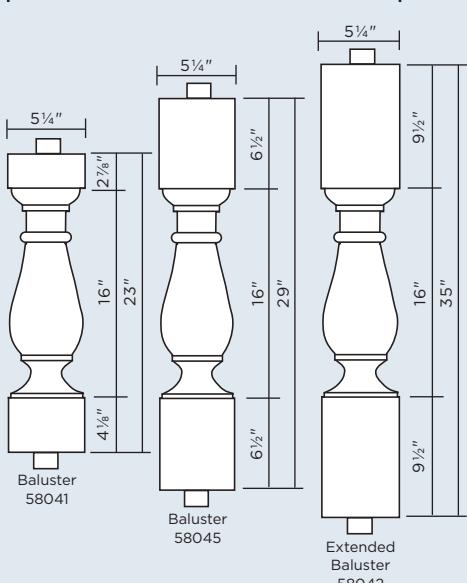


SKU	M	Maximum Spacing	O/C
58031	3/4"	2 1/4"	5 1/4"
58032	3/4"	2 1/4"	5 1/4"
58036	3/4"	2 1/4"	5 1/4"
58033	1"	2 1/8"	5 1/2"
58034	1"	2 1/8"	5 1/2"
58035	1"	2 1/8"	5 1/2"
58037	1"	2"	5 1/2"
58038	1"	2"	5 1/2"
58029	0"	4"	7"
58030	0"	4"	7"
58061	1 1/16"	1 3/4"	5 1/4"
58062	1 1/16"	1 3/4"	5 1/4"
58063	1 1/16"	1 3/4"	5 1/4"

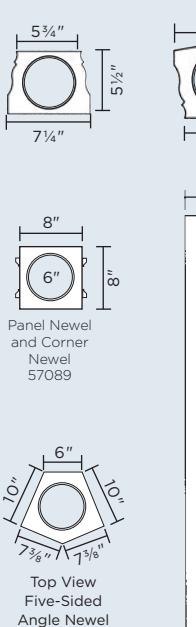
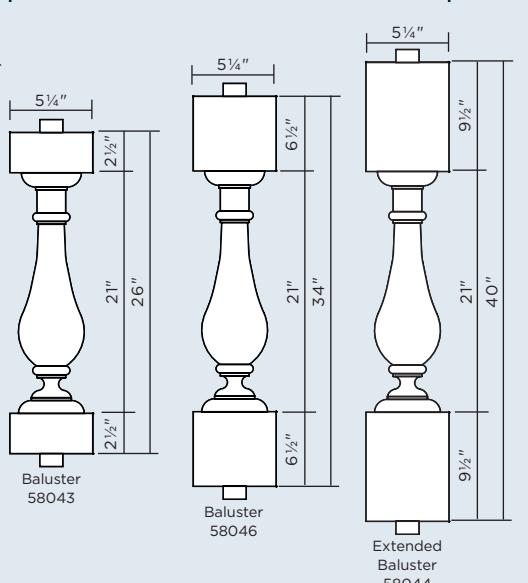
7" Balustrade System

12" Balustrade System

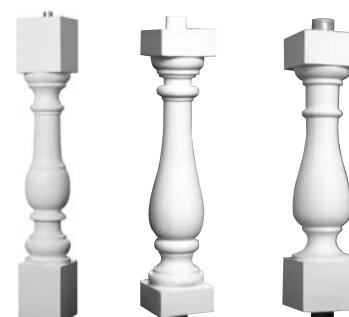
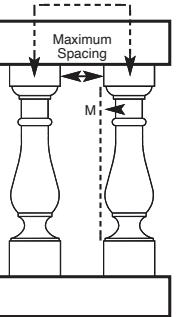
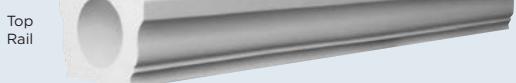
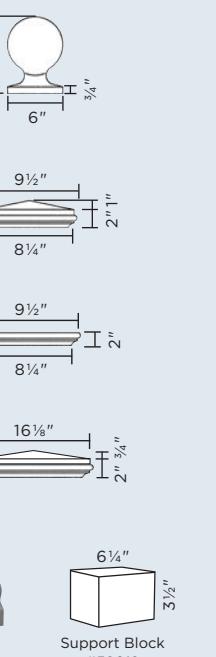
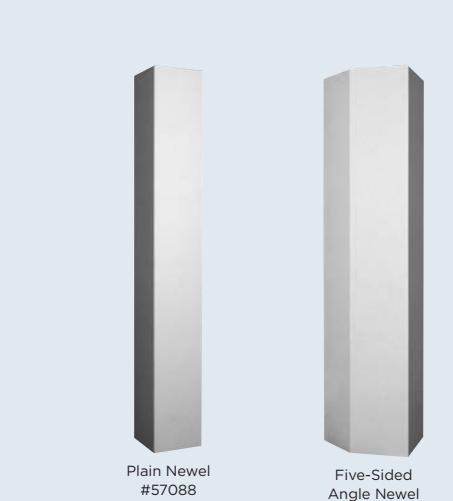
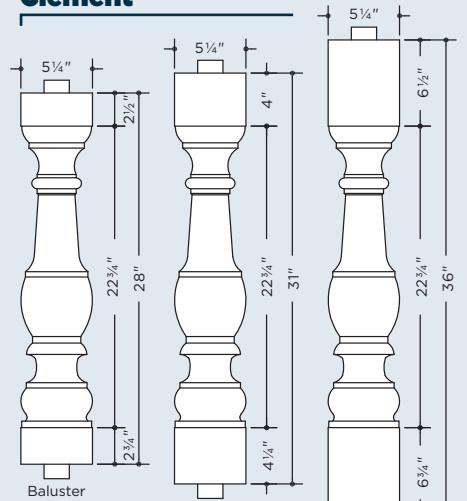
Calvert



Carrington



Clement



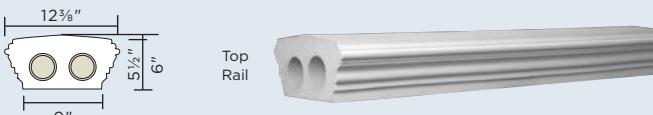
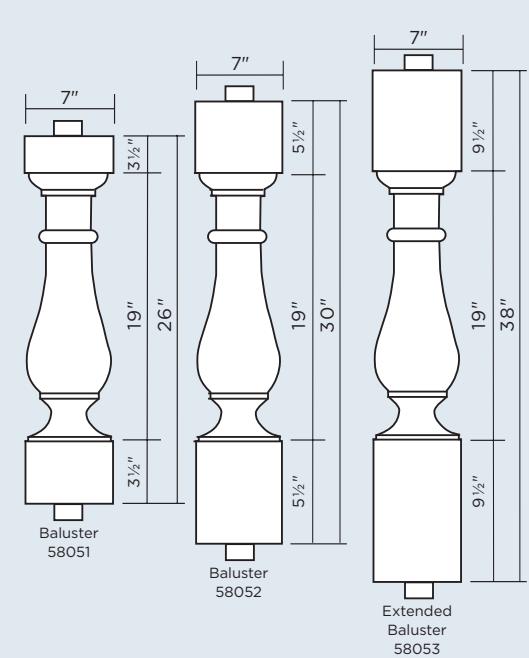
Clement

Carrington

Calvert

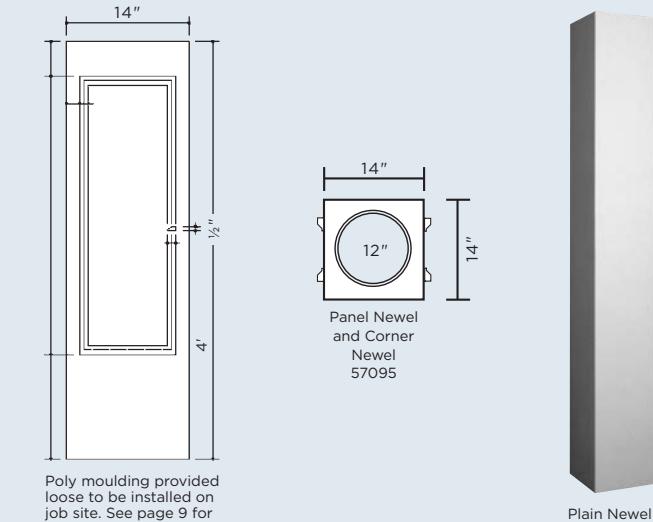
7"				
SKU	M	Maximum Spacing	O/C	
58041	1 1/4"	1 1/4"	6 1/2"	
58042	1 1/4"	1 1/4"	6 1/2"	
58045	1 1/4"	1 1/4"	6 1/2"	
58043	1 1/2"	3/4"	6"	
58044	1 1/2"	3/4"	6"	
58091	1 5/16"	1 5/16"	6 5/8"	
58092	1 5/16"	1 5/16"	6 5/8"	
58093	1 5/16"	1 5/16"	6 5/8"	

Mandeville



Top Rail

Bottom Rail

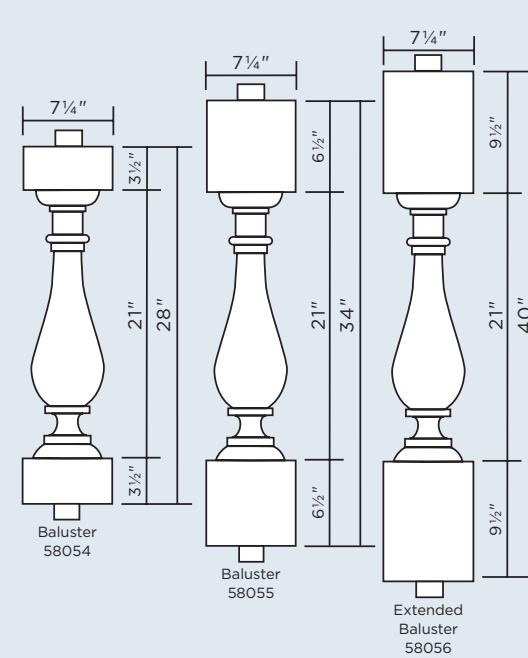


Poly moulding provided loose to be installed on job site. See page 9 for panel moulding styles.



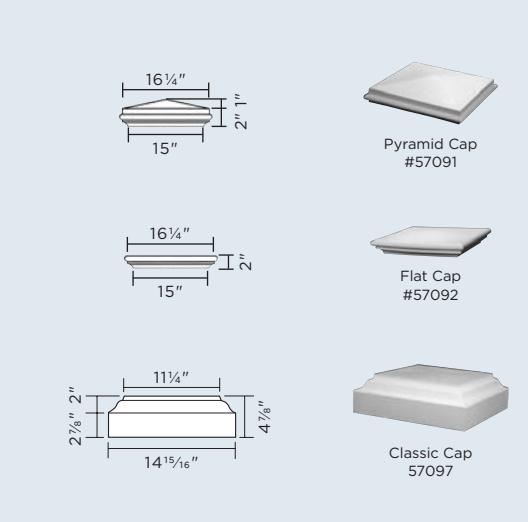
Mandeville

Manasses



Top Rail

Bottom Rail



Poly moulding provided loose to be installed on job site. See page 9 for panel moulding styles.



Manasses

12"				
SKU	M	Maximum Spacing	O/C	
58051	1 7/8"	3/16"	7 1/8"	
58052	1 7/8"	3/16"	7 1/8"	
58053	1 7/8"	3/16"	7 1/8"	
58054	2 3/8"	0"	7 1/4"	
58055	2 3/8"	0"	7 1/4"	
58056	2 3/8"	0"	7 1/4"	



Ball Cap*
7" 63058
10" 57096
12" 57093
*Must be used with Flat Cap

Curved Balustrade System

- 6" and 7" Rail Styles
- Low Maintenance
- Primed White
- Ready to install and paint
- Easy Installation
- 25-Year Warranty*
- Available in 60"-108" radius



Must purchase balusters and newels separately.

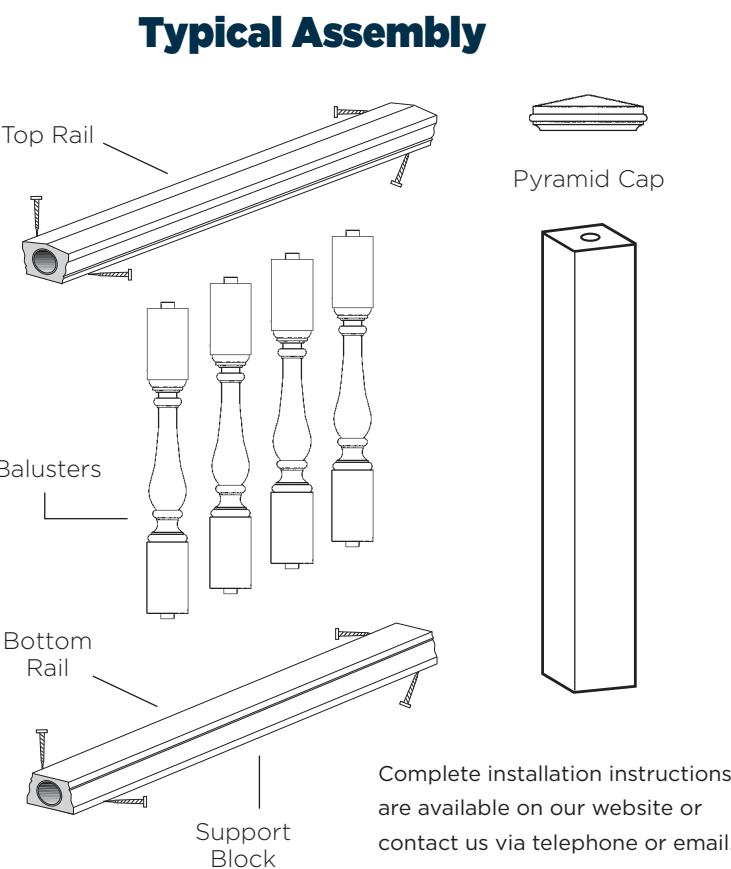
*See Warranty.

Building Codes

HB&G recommends checking all local, state, and national building codes before the design and installation of your balustrade system.

HB&G is not responsible or liable for any balustrade system that does not meet the requirements of the governing building code in the location where the system is installed.

The space between the bottom rail and the substrate should not be less than 2".



Fiberglass Pergolas

- Wind load rated
- Low maintenance
- Ease of installation
- Pre-finished with Benjamin Moore® COMMAND® engineered coating
- Will not rot, check or twist
- Hollow rafter can act as conduit for wiring
- Stability



Serenity® Series Fiberglass Pergolas

HB&G manufactures fiberglass pergola kits using pultrusion technology to produce the strongest yet lightest structures available with a Limited Lifetime Warranty. Our structural fiberglass components are strong, lightweight, and provide a higher level of aesthetic quality than vinyl or wood pergolas. Our Serenity® pergola kits are manufactured white with Napa Tails and square or plain round tapered PermaCast®Plus columns without neck moulding. Optional wind-load/deck plates are available.



PERMACAST® PLUS ROUND COLUMN PERGOLA KITS

Overhead Size	Column Center Size	Column Size
Free Standing 12' x 12'	8' x 8'	8" x 8"
Free Standing 14' x 14'	10' x 10'	10" x 8"
Free Standing 16' x 16'	12' x 12'	10" x 8"
Standard Round Wind-Load/Deck Plate - 8"*		
Standard Round Wind-Load/Deck Plate - 10"**		
*Sold Separately, Deck Screws not included		

PERMALITE® SQUARE COLUMN PERGOLA KITS

Overhead Size	Column Center Size	Column Size
Free Standing 12' x 12'	8' x 8'	8" x 8"
Free Standing 14' x 14'	10' x 10'	10" x 8"
Free Standing 16' x 16'	12' x 12'	10" x 8"
Standard Round Wind-Load/Deck Plate - 8"*		
Standard Round Wind-Load/Deck Plate - 10"**		
*Sold Separately, Deck Screws not included		

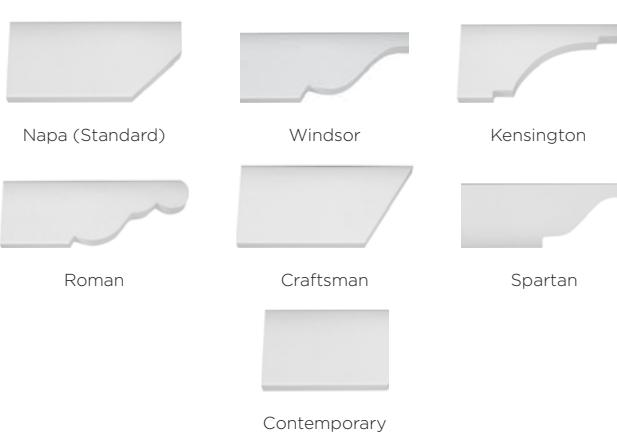
NOTE: Shade canopies sold separately

Serenity® fiberglass pergolas are single support rafters with header style.

Semi-Custom Options*

Make our Serenity® or Tranquility® pergolas your own by selecting from our semi-custom options.

Rafter Tail Options



*Adds a week to shipping time.

Color Options



* Color may differ due to print settings. Call for more information.

Tranquility® Series Predesigned Fiberglass Pergolas

Available with choice of 10"x8' PermaCast®Plus Round Tapered or 10"x8' PermaLite® Square Columns, prefinished with a White Benjamin Moore® COMMAND® engineered coating, our exclusive Arbor-Loc® tie-down system, and Napa rafter tail.



FREESTANDING PERGOLA OVERHEAD DIMENSIONS

12' x 12'	14' x 18'	18' x 12'	20' x 18'
12' x 14'	14' x 20'	18' x 14'	20' x 20'
12' x 16'	14' x 22'	18' x 16'	20' x 22'
12' x 18'	16' x 12'	18' x 18'	22' x 12'
12' x 22'	16' x 14'	18' x 22'	22' x 14'
14' x 12'	16' x 16'	20' x 12'	22' x 16'
14' x 14'	16' x 18'	20' x 14'	22' x 18'
14' x 16'	16' x 22'	20' x 16'	22' x 22'



ATTACHED PERGOLA OVERHEAD DIMENSIONS

12' x 10'	14' x 14'	18' x 10'	20' x 16'
12' x 12'	14' x 16'	18' x 12'	20' x 18'
12' x 14'	14' x 20'	18' x 14'	20' x 20'
12' x 16'	16' x 10'	18' x 16'	22' x 10'
12' x 18'	16' x 12'	18' x 20'	22' x 12'
12' x 20'	16' x 14'	20' x 10'	22' x 14'
14' x 10'	16' x 16'	20' x 12'	22' x 16'
14' x 12'	16' x 20'	20' x 14'	22' x 20'

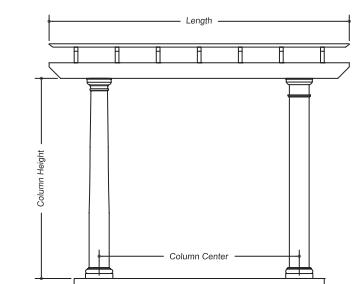
NOTE: Tranquility® predesigned fiberglass pergolas are double support rafter, no header style.

Custom Solace® Series Fiberglass Pergolas

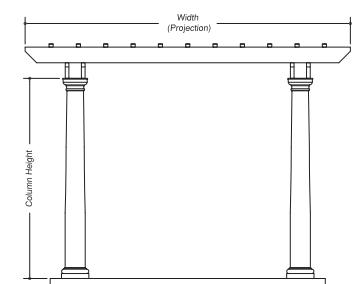


Understanding Pergola Dimensions

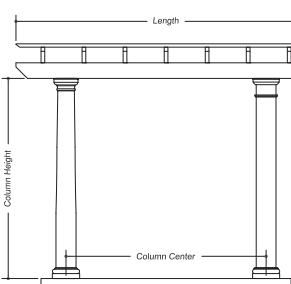
Freestanding Pergolas



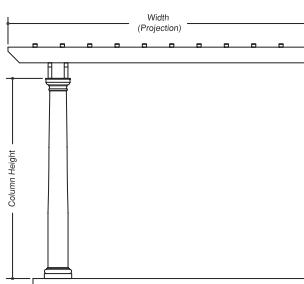
Front View
Beam / Structural rafters run the length of the pergola.



Side View
Rafters run the width (Projection) of the pergola.



Front View
Ledger runs length of pergola.



Side View
Width (Projection) of the pergola top projects from the structure.

NOTE: Pergola sizes are described as length x width as shown in the examples above.

Canopy Options for Structural Fiberglass Pergolas

HB&G offers two ways to increase the shade provided by your pergola: canopies and purlins. Each option is specifically designed to be an attractive accent to your pergola and create a shelter from the sun's rays.

The combination of an HB&G pergola and shade solution is the ultimate combination of beauty, function, and versatility to create your outdoor living room.

Solid color Canopies

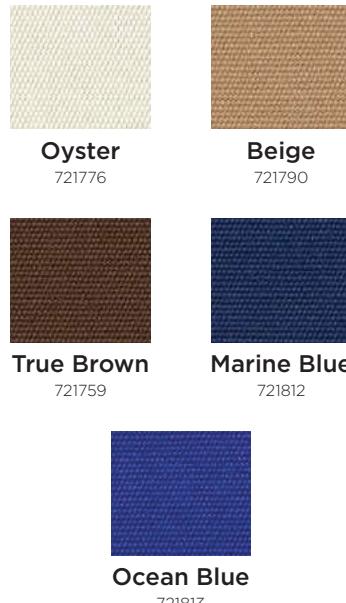
Designed for ease of use, our exclusive canopy slides on a wired system that is ready to install out of the box. The unique modular design is easy to install, just like our fiberglass pergolas, to enhance your outdoor living experience. Designed to quickly lock individual canopy panels in place to provide shelter from the sun or remove panels as quickly when the sun goes down.



Canopy Solid Colors

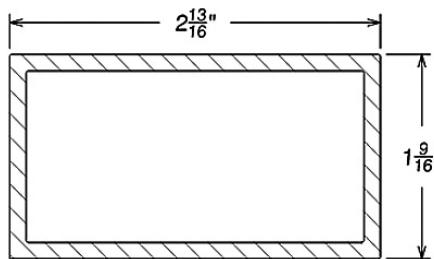
**Color may differ slightly due to print settings.

Tweed, Silica, and Crest are available at a 20% upcharge. Please call for more information.



Custom Purlins

Increase the number of purlins on the top of the pergola or change profiles to increase the amount of shade provided.



Outdoor Living Products

HB&G manufactures its outdoor living products with the same materials used in our high-performance Fiberglass Pergolas. They are low maintenance, easy to install, and will not rot, check, or twist.

PRIVACY SCREENS

Add outdoor privacy with HB&G's Privacy Screens. Perfect for pool or dining areas or multi-family applications. Two standard sizes are available with Napa tails.

Size	Column
12' Privacy Screen	10" x 8' Square PermaLite®



ENTRY ARBOR

Formalize an entrance or dress up a garden area with HB&G's Entry Arbors. Two standard sizes are available.

Size	Column Center	Column
12' x 3' Arbor	8'	8" x 8' PermaCast®Plus Round
12' x 3' Arbor	8'	8" x 8' PermaLite® Square



EYEBROW / TRELLIS

Designed to complement the architecture of your home. HB&G's Eyebrow/Trellises are available in three standard sizes with Napa tails.

Length
11' Eyebrow
18' Eyebrow
20' Eyebrow

