

- Weather Proof
- Insect Proof
- Load Bearing
- Low Maintenance
- Ready to Prime and Paint
- Limited Lifetime Warranty
- Custom Fluting Available
- Factory PermaPriming
 Available



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 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® 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 or fluted, applied panel,

recessed panel, or the craftsman style column. The PermaCast® capitals and bases are made from durable low-maintenance materials, and like the columns, they maintain architectural authenticity and historical accuracy.





Round **PERMA**Cast® Columns

<u>Rc</u>	Round PermaCast® Column Dimensions (in Inches)*														
COL. SIZE	A	В	С	D	Е	F	G	J	K	L	О	N	R	Т	LENGTHS AVAIL (ft.)
6"	55%"	45/8"	9"	17/16"	15/16"	%16"	3/4"	1¼"	13/8"	8"	1"	61/4"	35/16"	47/16"	4,6,8
8"	75/8"	61/4"	10½"	17/8"	1¾"	3/4"	3/4"	11/4"	1½"	91/4"	1/2"	21/4"	43/8"	4½"	5,6,89.0
10"	95/8"	81/8"	131/8"	23/8"	21/8"	3/4"	3/4"	1¼"	1¾"	11¼"	5/8"	21/4"	51/4"	5"	6,8,9,10,12
12"	11%"	93/8"	16½"	27/8"	23/8"	7∕8"	¹³ / ₁₆ "	1¾"	21/4"	13¾"	3/4"	25/8"	61/8"	5¾"	6,89,012 14,68
14"	13%"	11%"	19½"	33/8"	31/8"	11/8"	7∕8"	2"	21/8"	17"	7/8 "	25/8"	75/8"	7"	8 9, 10 12 14 16, 18
16"	15¾"	13%"	221/8"	4"	3½"	11/8"	1"	21/4"	3"	19¾"	1"	3"	85/8"	8"	8,0,12,14,16 18, 20
18"	17½"	15¾"	245/8"	4"	4"	1%"	11/8"	2¾"	31/8"	223/8"	1½"	10¾"	95/8"	87/8"	10,12,14,16,18 20,22,24,26
20"	19½"	17¾6"	27"	4¾"	4½"	2"	17/16"	2%"	3¾"	2415/16"	1½"	10¾"	11¼"	9"	10,12,14,16,18 20,22,24
22"	21%"	19¼"	30¼"	5¾"	47/8"	2"	1%"	3"	3¾"	27½"	1½"	10¾"	121/4"	10¼"	16,18,20,22, 24,26
24"	23%"	21¼"	33½"	5%"	5¼"	23/16"	23/16"	3½"	41/16"	30½"	1½"	10¾"	135/16"	111/16"	12,14,16,18,20, 22,24,26,28,30
28"	28"	241/8"	38"	6¾"	6"	2¾"	21/8"	31/4"	4¾"	33%"	1½"	10¾"	15½"	11¾"	20,22,24,26,28
30"	29%"	26½"	411/8"	6½"	5%"	2½"	31/16"	4"	45/8"	38¼"	1½"	10¾"	14%"	14%"	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 Ornamental Capital dimensions. Standard Fluted Column (Fluted in mold)

COLUMN-LOCTM

Column-Loc™ creates a continuous connection from floor to beam/ header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal

and high wind areas. Currently available for 8 and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod.



ROUND PERMACAST® INSIDE **DIMENSIONS**

Inside dimension may vary up to 1/8". Splitting

Inside Diameter a column will decrease inside dimension 1/8".

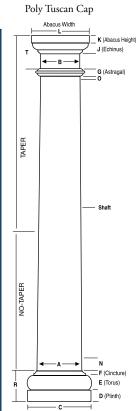
COLUMN SIZE	TOP I.D.	BOT I.D.
6"	31/8"	47/8"
8"	5½"	67/8"
10"	73/8"	87/8"
12"	85/8"	10%"
14"	10%"	127/8"
16"	12%"	15"
18"	14%"	16¾"
20"	16%"	19"
22"	18¼"	20%"
24"	201/4"	225/8"
28"	22"	26½"
30"	25¼"	281/8"

Plumb-Fit®

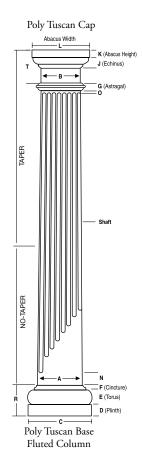
To make installation even easier our 6-12" round and square poly Tuscan Cap and Base Sets with flashing cap now come with the Plumb-Fit® installation system included.

SPLIT COLUMN ASSEMBLY KITS (FLANGE KIT)

HB&G offers a split column assembly kit that utilizes a mechanical fastening system for easy and secure assembly. This kit can be purchased separately when ordering a factory split column or they can be ordered pre-installed on factory split columns. This kit is available on select sizes.



Poly Tuscan Base Plain Column



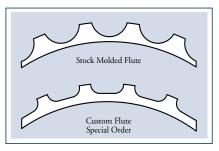
Abacus Width B G G Shaft PermaCast® No-Taper

PermaCast® No-Taper column with Poly Tuscan cap and base

Shaft Shaft Shaft PermaCast® Plain No-Taper column with Poly Tuscan

cap and base

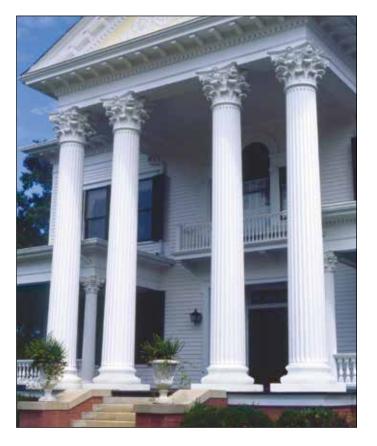
Fluted Round **PERMA**Cast® Columns



HB&G OFFERS TWO DISTINCTIVE TYPES OF FLUTES.

Stock Molded Flute: Available in diameters of 8" x 8' – 16" x 12' 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® columns, 6"x 4' – 30"x 30', are available with an optional custom flute. (Call a customer service representative for pricing and lead times.) Adjusted Flutes available.



Round No-Taper **PERMA**Cast® Columns

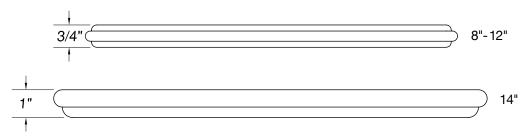
ROUND NO-TAPER PERMACAST® COLUMN DIMENSIONS (IN INCHES)

Col. Size	A	В	С	D	Е	F	G	J	K	L	Lengths Avail. (ft.)
8"	7 ⁵ /8"	7 ⁵ /8"	10 ¹ /2"	1 ⁷ /8"	1 ³ /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 /8"	$2^3/8$ "	21/8"	3/4"	3/4"	1 ¹ /4"	1 ³ /4"	12 ¹³ /16"	6,8,9,10,12
12"	11 ⁵ /8"	11 ⁵ /8"	16 ¹ /2"	27/8"	23/8"	⁷ /8"	13/16"	1 ³ /4"	2"	15 ⁷ /8"	6,8,9,10,12
14"	13 ⁵ /8"	13 ⁵ /8"	19 ¹ /2"	3 ³ / ₈ "	31/8"	1 ¹ /8"	⁷ /8"	2 ¹ / ₄ "	3"	19 ¹ /8"	6,8,9,10,12,14
16"	15 ³ /4"	15 ³ /4"	221/8"	4"	31/2"	1 ¹ /8"	1"	2 ¹ / ₄ "	23/4"	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"	11/8"	23/4	31/8"	24 ⁵ /8"	6,8,9,10,12,14,16,18,20
24"	24"	24"	331/2"	5 ³ /4"	5 ¹ / ₄ "	23/16"	23/16"	31/2"	4 ¹ /8"	33 ³ /8"	8,10,12,14,16,18,24

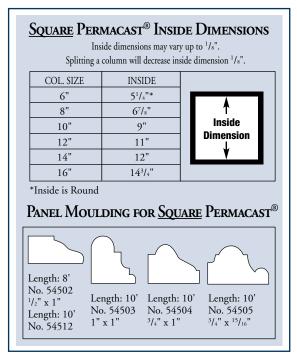
Neck mould not included.

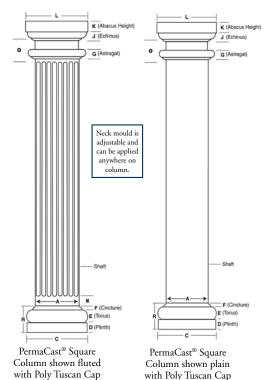
Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

Neck Mould for No-Taper Column – Sold Separately



Square **PERMA**Cast® Columns





and Base.

Plumb-Fit®

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

Column-LocTM

Column-Loc™ creates a continuous connection from floor to beam/ header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8 and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod.

Column Size	A	С	D	E	F	G	J	K	L	N	О	R	Lengths Available (ft.)
6"	6"	9½"	1%"	1%6"	% "	1"	1¼"	1¾"	9½"	N/A	N/A	3%6"	6,8,9,10
8"	8"	111//"	1%"	1¾"	5/8"	1"	1¾"	1¾"	1015/16"	4"	31/8"	4¼"	6,8,9,10,12
10"	10"	131/46"	2¼"	23/16"	3/4"	1"	1¼"	113/16"	12¾"	4"	4 ¹ / ₈ "	53/16"	51",6,8,9, <mark>10</mark> ,12 14,16
12"	12"	16%6"	213/16"	2¾"	7∕8"	1"	1¾"	21/16"	1611/16"	N/A	N/A	61/16"	8,9,10,12,14,16,18
14"	14"	193/8"	31/8"	27/8"	11/16"	11/8"	21/16"	21/2"	191/16"	N/A	N/A	79/16"	8,10,12
16"	16"	221/8"	37/8"	33/8"	11/8"	11/8"	23/8"	23/4"	211/2"	N/A	N/A	83/8"	8,10,12,14 16,18,20

Fluted Square.

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

See page 16 for Ornamental Capital dimensions.

Versatility of Square Columns

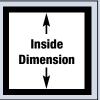
The design and versatility of an HB&G square column has enhanced its popularity with today's architects. The HB&G Square PermaCast® column lineup includes plain, recessed panel, and fluted styles. An unlimited combination of styles can be achieved by various uses of the panel moulding, neck moulding,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

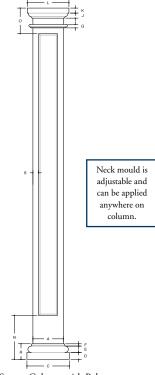
Recessed Panel **PERMA**Cast® Columns

RECESSED PANEL INSIDE DIMENSION

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

Col. Size	Inside
8"	5-5/8"
10"	7-1/2"
12"	9-1/2"
14"	11"





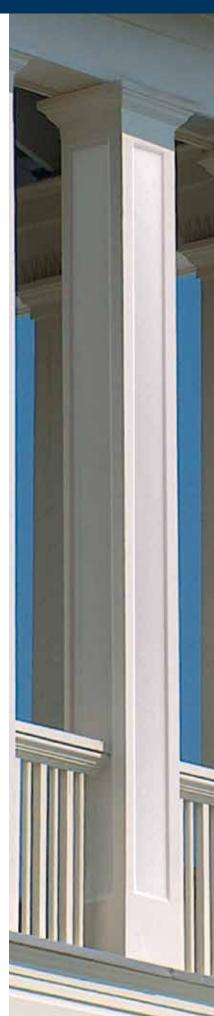
Square Column with Poly Tuscan Cap and Base

SQUARE RECESSED PANEL PERMACAST® COLUMN DIMENSIONS (In Inches)*

Column Size	A	С	D	E	F	G	J	К	L	N	0	R	s	Recess Depth	Lengths Available (ft.)
8"	8"	111%"	1%"	1¾"	5/8"	1"	1¾"	1¾"	1015/16"	12"	7"	41/4"	1½"	1/2"	8,9,10
10"	10"	131/16"	2¼"	23/16"	3/4"	1¼"	1¼"	1 13/16"	12¾"	14½"	8½"	53/16"	1½"	1/2"	8,9,10
12"	12"	161/16"	213/16"	2¾"	⁷ /8"	1¼"	1¾"	21/16"	1611/16"	18"	10½"	61/16"	21/4"	%6"	8,9,10,12,14
14"	14"	19¾"	35/8"	21/8"	11/16"	11/4"	21/16"	2½"	191/16"	21"	121/4"	7%;"	25/8"	3/4"	8,10,14

See page 16 for Ornamental Capital dimensions.









CRAFTSMAN INSIDE DIMENSION

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

Column Size	Тор	Bottom
10" x 5 ¹ / ₂ "	41/2"	9"
10 ¹ /4" x 7 ¹ /2"	61/2"	91/4"
10" x 8"	61/2"	81/2"
12" x 10"	9"	11"
14" x 12"	11"	13"
16" x 9"	8"	15"
16" x 12"	101/2"	141/2"





CDAETSMAN	COLUMN	DIMENSIONS	(IN INCHES)
CKALISMAN	COLUMIN	DIMENSIONS	(III IIICHES)

	A	В	С	D	Е	F	G	J	K	L	R	LENGTH
10" x 5 ¹ / ₂ "	10"	51/2"	13"	21/2"	23/8"	11/16"	1"	13/8"	13/8"	95/8"	5 ⁷ /8"	66"
10 ¹ / ₄ " x 7 ¹ / ₂ "	101/4"	71/2"	131/2"	23/8"	21/4"	3/4"	1"	1"	1"	101/4"	53/8"	7'
10" x 8"	91/2"	71/2"	123/4"	23/8"	21/8"	3/4"	1"	1"	13/8"	10 ¹ /4"	51/4"	66"
12" x 10"	12"	10"	169/16"	21/2"	21/2"	11/16"	1"	13/8"	13/8"	123/4"	61/16"	6', 10'
14" x 12"*	14"	12"	183/4"	33/8"	3"	1"	1"	15/8"	2"	171/8"	73/8"	9'
16" x 9"	16"	9"	183/4"	21/2"	21/2"	11/16"	1"	13/8"	13/8"	131/4"	61/16"	58"
16" x 9"	16"	9"	191/16"	21/2"	21/2"	11/16"	1"	13/8"	13/8"	131/4"	61/16"	6', 8'
16" x 12"	151/4"	111/2"	211/2"	37/8"	35/16"	13/16"	1"	13/8"	2"	151/4"	87/16"	58", 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.



Painting Instructions

Painting instructions for round and square PermaCast® columns:

- Rinse and allow to dry completely.
- Prime with high quality exterior latex primer or use an oil-based primer in accordance with paint manufacturer's instructions. A light coat of primer should be applied and allowed to cure fully.
- Paint evenly with several light coats over column with a high quality exterior latex or oil-based (if primer is used) paint in accordance with paint manufacturer's instructions.
- Do not paint PermaCast® columns using dark colors (dark colors are considered any color that falls within the L value of 56 to 0). L is a measure of lightness of an object and ranges from 0 (black) to 100 (white).

Tips

- ✓ When ordering an ornamental capital order the appropriate base for the column.
- ✓ Ornamental capitals for square PermaCast® slide over the shaft and do not use a plug. These ornamental capitals will not lengthen or shorten the height of the column.
- ✓ When installing an ornamental 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® column, verify concentric loading of column. 100% of bottom must contact substrate and 75% of top must contact soffit.
- ✓ When attaching hand rails or corner iron to PermaCast® columns, holes must be pre-drilled before applying screws.
- ✓ When ordering panel moulding for square PermaCast® columns, make sure to order enough for four sides of the column.
- ✓ Split columns are left partially intact. Cut with masonry or carbide tip blade.
- ✓ Custom split columns, caps, and bases are nonrefundable.

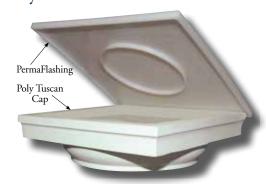
Splitting Options







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



PermaCast® PermaFlashing and Installation Kit

The PermaCast® 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.

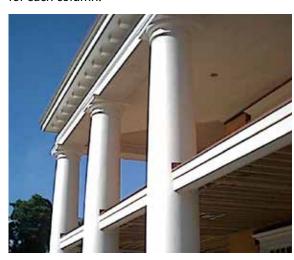


Round PermaCast® Porch Installation Bracket

The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast®



Columns and will secure a 2nd story porch to our PermaCast® Columns. Three brackets are required for each column.



Parallel Dimensions											
Column Size	Parallel Dim.	Column Size	Parallel Dim.								
6x4	0"	18x18	60"								
6x6	8"	18x20	84"								
6x8	32"	18x22	49"								
8x5	12"	18x24	73"								
8x6	24"	18x26	97"								
8x8	32"	20x10	0"								
8x9	28"	20x12	0"								
8x10	40"	20x14	0"								
10x6	8"	20x16	4"								
10x8	32"	20x18	28"								
10x9	28"	20x20	52"								
10x10	40"	20x22	76"								
10x12	48"	20x24	100"								
12x6	8"	22x16	45"								
12x8	32"	22x18	69"								
12x9	8"	22x20	93"								
12x10	32"	22x22	53"								
12x12	48"	22x24	77"								
12x14	59"	22x26	101"								
12x16	40"	24x12	21"								
12x18	73"	24x14	45"								
14x8	32"	24x16	69"								
14x9	12"	24x18	93"								
14x10	24"	24x20	75"								
14x12	48"	24x22	99"								
14x14	27"	24x24	123"								
14x16	51"	24x26	77"								
14x18	75"	24x28	101"								
16x8	16"	24x30	125"								
16x10	40"	28x20	20"								
16x12	29"	28x22	44"								
16x14	53"	28x24	68"								
16x16	36"	28x26	92"								
16x18	60"	28x28	116"								
16x20	84"	30x20	56"								
18x8	0"	30x22	80"								
18x10	16"	30x24	140"								
18x12	40"	30x26	75"								
18x14	48"	30x28	99"								
18x16	36"	30x30	123"								

DADALLEL DIMENSIONS

Column Size	Bottom Diameter
6x4	53/8"
18x8	171/4"
20x10	1811/16"
20x12	185/16"
20x14	191/4"