



# Perma Cast Columns

## ROUND CAST COLUMNS

### Architecturally Correct

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, a gradual tapering of the upper 2/3 of the column which offsets the illusion from eye level that the column shaft grows larger as it ascends.

### Capitals & Bases

Tuscan style capitals as well as the five orders of ornamental capitals also follow the guidelines of Greek and Roman architects. Attic bases, copied from those of ancient Attica, are also available.

### Plain & Fluted

PermaCast columns are available plain or fluted in the widest variety of sizes in the industry. See chart for details. Deep, sharp flutes and smooth, easy to finish surfaces set PermaCast apart from all other columns.

### Low Maintenance

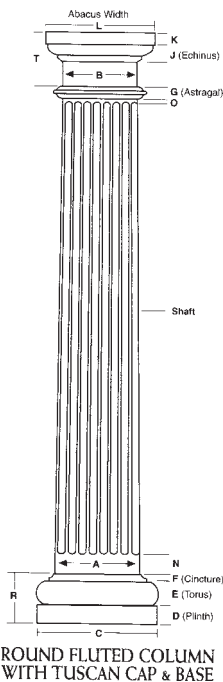
PermaCast columns are cast from a HB&G fiber-reinforced polymer composite with exceptional strength-to-weight characteristics requiring minimum maintenance. They are weatherproof, insect proof and highly durable.

### Lifetime Warranty

HB&G warrants that for the "lifetime" of ownership the PermaCast column is free from defects in material and workmanship. "Lifetime" means as long as the purchaser owns the structure to which the PermaCast columns are attached. Upon proper installation of the column, HB&G will repair or replace, at its option, any PermaCast column that has failed as a result of defective material or workmanship of HB&G products. Installation not included.

### LOAD BEARING SPECIFICATIONS

Column Diameter	Structural Load
6"	8,000 lbs. Max
8"	10,000 lbs. Max
10"	14,000 lbs. Max
12"	18,000 lbs. Max
14"	20,000 lbs. Max
16"	20,000 lbs. Max
18"	20,000 lbs. Max
22"	20,000 lbs. Max
24"	20,000 lbs. Max



### ROUND PERMACAST COLUMN DIMENSIONS (IN INCHES)

Col. Size	A	B	C	D	E	F	G	J	K	L	O	N	R	T	Length Avai.
8*	7-5/8	6-1/4	10-1/2	1-7/8	1-3/4	3/4	3/4	1-1/4	1-1/2	9-1/4	1/2	2-1/4	4-1/2	4-1/2	6,8,9,10
10*	9-5/8	8-1/8	13-1/8	2-1/4	2-1/8	3/4	3/4	1-1/4	1-3/4	11-1/4	5/8	2-1/4	5-1/4	5	8,9,10,12
12*	11-5/8	9-3/8	16-1/2	2-3/4	2-3/8	7/8	13/16	1-3/4	2-1/4	13-3/4	3/4	2-5/8	6-1/8	5-5/8	8,9,10,12, 14,16,18
14*	13-5/8	11-5/8	19-1/2	3-3/8	3-1/8	1-1/8	7/8	2	2-7/8	17	n/a	n/a	7-1/2	7	8,9,10,12, 14,16,18
16*	15-3/4	13-5/8	21-1/8	4	3-1/2	1-1/8	1	2-1/4	3	19-3/4	n/a	n/a	8-5/8	8	8,9,10,12, 14,16,18,20
18*	17-1/2	15-3/8	24-5/8	3-3/4	5	1-5/8	1-1/8	2-3/4	3-1/8	22-3/8	n/a	n/a	9-3/8	8-7/8	10,12,14, 16,18,20, 22,24,26
22*	21-5/8	19-1/4	30-1/4	5-3/4	5	2-1/4	1-7/8	3	3-3/4	27-1/2	n/a	n/a	12-1/2	10-1/4	16,18,20, 22,24,26
24*	23-5/8	21-1/4	33-3/4	5-7/8	5-1/4	2-9/16	2-1/16	3-1/2	4-1/16	30-3/4	n/a	n/a	13-3/8	11-3/4	14,16,18, 20,24,26, 28,30

As with all polyurethane products, there may be a variance of up to 1/4" in all dimensions. \*Fluted columns available in 8", 10" and 12" diameters.

### ROUND PERMACAST COLUMN INSIDE DIMENSIONS

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

Column	TOP I.D.	BOT I.D.	
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"	14-3/8	16-3/8	
22"	18-1/4	20-5/8	
24"	20-1/4	22-5/8	



# Capitals and Bases for Round & Square Columns



Tuscan Base

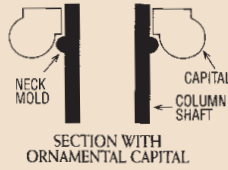


Tuscan Cap

Please refer to round or square column dimensional charts for Tuscan Cap & Base specifications.

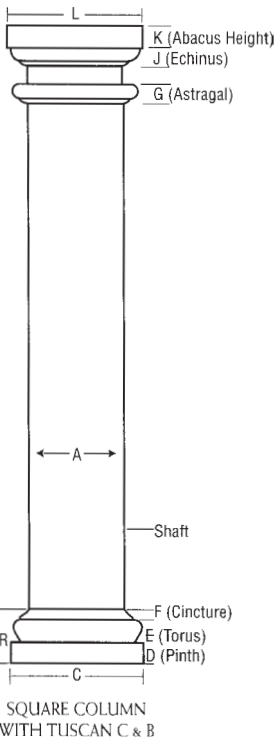
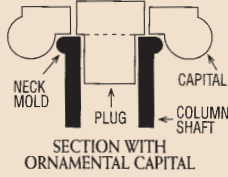
## Ornamental Capitals for SQUARE PermaCast Columns

Adding an ornamental capital to a square PermaCast column DOES NOT change the length of the column shaft. The ornamental capital simply slides over the shaft. Neck molding can be applied or not. (See drawing - left).



## Ornamental Capitals for ROUND PermaCast Columns

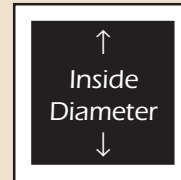
Adding an ornamental capital to a round PermaCast column will lengthen or shorten the overall height of the column depending on the height of the capital. Subtract the "T" dimension (from the dimensions chart on page 2) and add the height of the capital +/- 1/4" for the overall column height.



## SQUARE CAST COLUMNS

WALL THICKNESS MAY VARY PLUS OR MINUS AN 1/8"

Col. Size	Inside
6"	5-9/16"
8"	6-7/8"
10"	8-7/8"
12"	10-7/8"
16"	14-1/8"



The design and versatility of a square column has enhanced its popularity with today's architects. HB&G accomplishes this versatility with ease of installation and a "lifetime warranty".

Square PermaCast columns, caps and bases are made in the same manner and of the same material as round PermaCast products. Square columns are also not tapered and can be cut to any length with out affecting the fit of the caps & bases.

## SQUARE PERMACAST COLUMN DIMENSIONS (IN INCHES)

Col. Size	A*	C	D	E	F	R	J	K	L	G	Length Avai.
6"	6"	9-1/8"	1-7/16"	1-7/8"	9/16"	3-5/16"	1-1/4"	1-3/8"	9-1/8"	1"	6,8,10,12
8"	7-7/8"	11"	1-7/8"	1-3/4"	5/8"	4-1/4"	1-3/8"	1-3/8"	10-15/16"	1"	8,9,10,12
10"	9-7/8"	13-1/16"	2-1/4"	2-3/16"	3/4"	5-3/16"	1-1/4"	1-13/16"	12-3/4"	1-1/4"	8,10,12,14,16
12"	11-7/8"	16-9/16"	2-13/16"	2-3/8"	7/8"	6-1/16"	1-3/4"	2-1/16"	16-11/16"	1-1/4"	8,10,12,14,16,18
16"	15-7/8"	24-1/8"	4"	3-1/2"	1-1/8"	8-5/8"	3"	2-1/4"	16-5/8"	1-1/4"	8,10,12,14,16,18,20



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# Square Perma Cast Columns