

PermaCast 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 of entasis, a gradual tapering of the upper two-thirds of the column which offsets the undesirable 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 proprietary fiber-reinforced polymer composite with exceptional strength-to-weight characteristics and 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. Installation cost not included.

ARCHITECTURAL SPECIFICATIONS

All columns to be PermaCast polymer resin/glass fiber manufactured by HB&G. Capitals and bases to be HB&G polyurethane material of Tuscan style. Ornamental capitals, if specified, to be HB&G polyurethane material. Columns shall be installed in accordance with manufacturer's instructions.

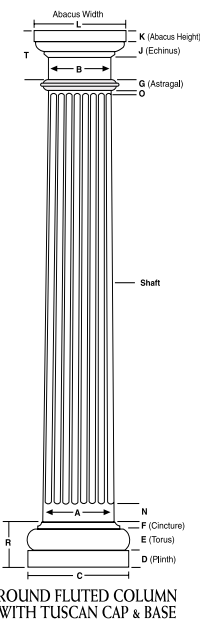
CDROM

CAD drawings of all PermaCast columns and other HB&G products are available on CDROM. Call 1-800-264-4424 to receive. CAD drawings can also be downloaded from the HB&G Website.

INTERNET

HB&G is now on the web! See a full listing of all HB&G product lines, as well as download CAD drawings at:

<http://www.hbgcolumns.com>



ROUND PERMACAST COLUMN DIMENSIONS (In Inches)*

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTH AVAIL
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 ³ / ₈	4 ¹ / ₂	6, 8, 9, 10
10	9 ⁵ / ₈	8 ¹ / ₄	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 / ₈	5	8, 9, 10, 12
12	11 ⁵ / ₈	9 ⁵ / ₈	16 ³ / ₄	2 ³ / ₄	2 ³ / ₈	⁷ / ₈	1 ¹ / ₈	1 ³ / ₄	2 ¹ / ₄	13 ³ / ₄	³ / ₄	2 ⁵ / ₈	6	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	⁵ / ₈	⁵ / ₈	7 ⁵ / ₈	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	⁵ / ₈	⁵ / ₈	8 ⁵ / ₈	8	8, 10, 12, 14, 16, 18, 20
18	17 ¹ / ₂	15 ⁵ / ₈	24 ⁵ / ₈	3 ³ / ₄	4	1 ⁵ / ₈	1 ¹ / ₈	2 ³ / ₄	3 ³ / ₈	22 ³ / ₈	⁵ / ₈	⁵ / ₈	9 ⁵ / 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	⁵ / ₈	⁵ / ₈	13	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 ¹ / ₈	2 ¹ / ₈	3 ¹ / ₂	4 ⁵ / ₈	30 ³ / ₄	⁵ / ₈	⁵ / ₈	13 ¹ / ₈	11 ³ / ₄	14, 16, 18, 20, 24, 26, 28, 30

*There may be a variance of up to ¹/₈" in all dimensions. Fluted columns available in 8", 10" and 12" diameters only.

ROUND & SQUARE PERMACAST LOADBEARING 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 INSIDE DIMENSIONS

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

COLUMN SIZE	TOP I.D.	BOT I.D.
8"	5 ¹ / ₂ "	6 ⁷ / ₈ "
10"	7 ⁷ / 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 ⁴ / ₈ "	16 ³ / ₈ "
22"	18 ¹ / ₄ "	20 ⁹ / ₈ "
24"	20 ¹ / ₄ "	22 ⁵ / ₈ "

