

POLYMER
COMPOSITE
COLUMNS



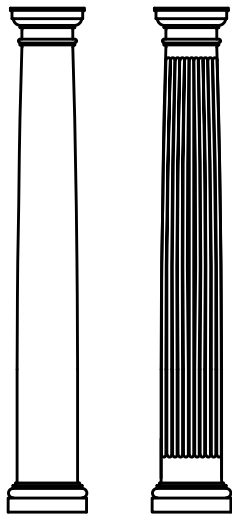
ARCHITECTURAL FIBERGLASS, INC.

8300 Bessemer Ave. * Cleveland, OH 44127-1839 * 216-641-8300 * Fax 216-641-8150 * www.fiberglass-afi.com

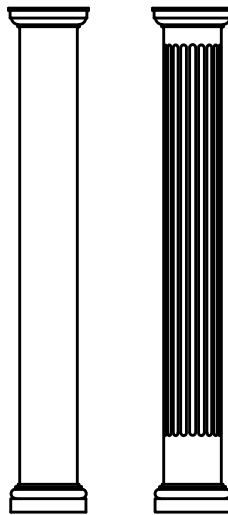
Centrifugal Spun Cast Fiberglass Reinforced Polymer (FRP) Composite Columns

Usually referred to as Polymer Composite Columns, they are manufactured as structural columns but can be used as column covers. They are hollow throughout which allows the columns to be factory split in halves to wrap structural posts. These columns are the most dense and heaviest of all the fiberglass materials. The column material thickness is from 1/4" to over 1" and is similar to concrete or cultured marble. The advantage of polymer columns is that they are very hard to the touch and solid sounding if knocked upon. Columns can be manufactured in standard sizes that range from 6" to 24" diameters. Heights range from 6' to 24'. They have load-bearing capacities from 6,000 to 20,000 pounds. Columns are tapered, straight, smooth or fluted, and can be manufactured with decorative capitals. Polymer Composite Columns are mass produced and the most economical and practical for smaller sized commodity type columns ranging from 6" diameter to 14" diameter and are still fairly manageable despite their heavy weight. Columns larger than 14" diameter may require additional manpower or lifting equipment. All Polymer Composite Columns need to be painted after installation and the design is limited only to the standard sizes listed in the tables on the following pages.

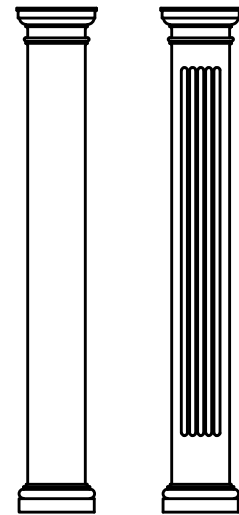
- Weatherproof
- Insect Free
- Low Maintenance
- Load-Bearing
- Architecturally Correct



Smooth Fluted
Round Tapered



Smooth Fluted
Round Non-Tapered



Smooth Fluted
Square Non-Tapered

COLUMNS

SHEET NO.

PC-01

2013

POLYMER
COMPOSITE
COLUMNS

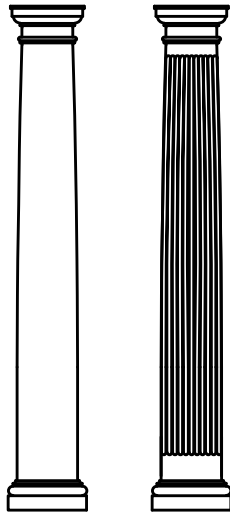


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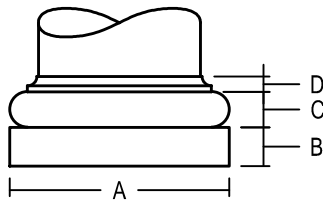
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Centrifugal Spun Cast Fiberglass Reinforced Polymer (FRP) Composite Columns

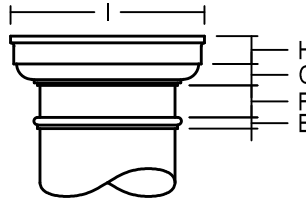
Round Tapered Columns



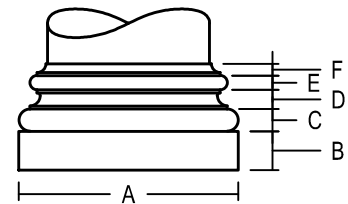
Nominal Shaft Diameter	Optional Attic Base						Total B-F
	Plinth		Torus				
	A	B	C	D	E	F	
8"	10 7/8	1 7/8	1 1/8	7/8	3/4	1/2	5 1/8
10"	13 1/2	2 3/8	1 1/4	1 1/8	7/8	5/8	6 1/4
12"	16 1/8	2 3/4	1 1/2	1 3/8	1	5/8	7 1/4
14"	18 1/2	3 5/16	1 3/4	1 21/32	1 1/4	11/16	8 21/32
16"	21 3/16	3 3/4	2 7/32	1 7/8	1 15/32	13/16	10 1/8
18"	23 15/16	4 7/32	2 11/32	2 1/8	1 7/16	1 1/8	11 1/4
20"	27 1/16	4 3/4	2 11/16	2 3/8	1 3/4	1 7/16	13
24"	32 1/2	5 3/4	3 5/16	2 13/16	2 1/8	1 3/4	15 3/4



Tuscan Base



Tuscan Profile & Cap



Optional Attic Base

Round Tapered Shaft			Tuscan Base					Shaft Profile		Tuscan Cap			
Outside Diameter*		Height	Plinth		Torus		Total	Astragal		Echinus	Abacus		Total
Bottom	Top		A	B	C	D	B-D	E	F	G	H	I	G-H
6"	4 3/4	6' - 8'	7 31/32	1 1/2	1 1/4	15/32	3 7/32	1/2	31/32	31/32	1 1/16	7 1/2	2 1/32
8"	6 1/2	6' - 10'	10 7/8	1 7/8	1 3/4	5/8	4 1/4	1/2	1 3/4	1 5/16	1 3/8	9 7/8	2 11/16
10"	8 1/2	6' - 12'	13 1/2	2 3/8	2 1/8	3/4	5 1/4	3/4	1 5/8	1 13/16	1 3/4	12 5/32	3 9/16
12"	10	6' - 16'	16 1/4	2 3/4	2 3/8	7/8	6	3/4	1 3/32	1 29/32	2	14 5/8	3 29/32
14"	12	8' - 16'	18 19/32	3 11/32	2 31/32	1	7 5/16	1	2 9/32	2 15/32	2 5/16	16 13/32	4 25/32
16"	13 1/2	8' - 20'	21 5/16	3 27/32	3 11/32	1 1/8	8 5/16	1	2 1/4	2 23/32	2 23/32	19 3/32	5 7/16
18"	15	8' - 24'	24 1/32	4 7/32	3 31/32	1 3/8	9 9/16	1	2 1/4	2 31/32	2 31/32	21 5/16	5 15/16
20"	17	6' - 20'	27	4 3/4	4 1/16	1 3/4	10 9/16	1 5/16	2 3/4	3 1/8	3 7/16	24 1/4	6 9/16
24"	20	8' - 24'	32 1/2	5 3/4	5 1/4	2 1/4	13 1/4	1 5/8	4 3/4	3 3/16	4 1/8	28 3/4	7 5/16

* Actual outside diameters are approximately 5/16" to 1/2" less than shown.
 + All columns available fluted.

COLUMNS
 SHEET NO.
PC-02
 2013

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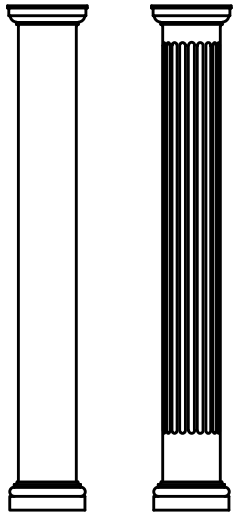


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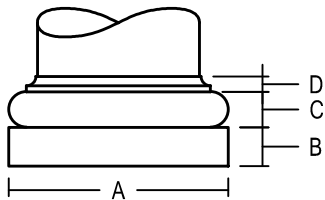
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Centrifugal Spun Cast Fiberglass Reinforced Polymer (FRP) Composite Columns

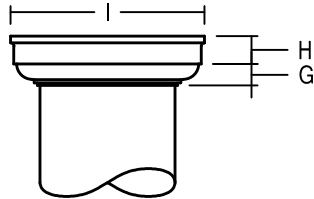
Round Non-Tapered Columns



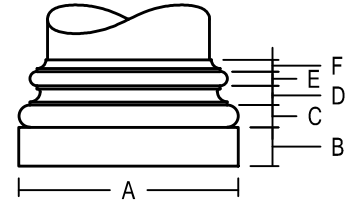
Nominal Shaft Diameter	Optional Attic Base						Total B-F
	Plinth		Torus				
	A	B	C	D	E	F	
8"	10 7/8	1 7/8	1 1/8	7/8	3/4	1/2	5 1/8
10"	13 1/2	2 3/8	1 1/4	1 1/8	7/8	5/8	6 1/4
12"	16 1/8	2 3/4	1 1/2	1 3/8	1	5/8	7 1/4
14"	18 1/2	3 5/16	1 3/4	1 21/32	1 1/4	11/16	8 21/32



Tuscan Base



Tuscan Profile & Cap



Optional Attic Base

Round Straight Shaft		Tuscan Base					Tuscan Cap			
Outside Diameter	Height	Plinth		Torus		Total	Echinus	Abacus		Total
		A	B	C	D	B-D	G	H	I	G-H
8"	8' - 10'	10 7/8	1 7/8	1 3/4	5/8	4 1/4	1 13/16	1 3/4	12 5/32	3 9/16
10"	8' - 10'	13 1/2	2 3/8	2 1/8	3/4	5 1/4	1 29/32	2	14 5/8	3 29/32
12"	8' - 12'	16 1/4	2 3/4	2 3/8	7/8	6	2 15/32	2 5/16	16 13/32	4 25/32
14"	8' - 14'	18 19/32	3 11/32	2 31/32	1	7 5/16	2 23/32	2 23/32	19 3/32	5 7/16

* Actual outside diameters are approximately 5/16" to 1/2" less than shown.
 + All columns available fluted.

COLUMNS
 SHEET NO.
PC-03
 2013

POLYMER
 COMPOSITE
 COLUMNS

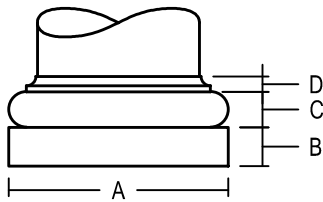
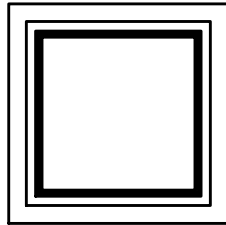


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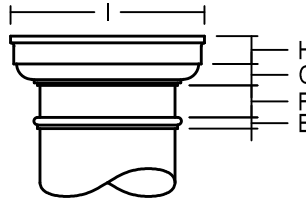
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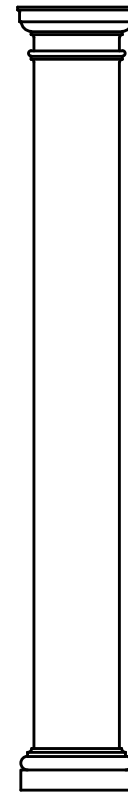
Square Non-Tapered Columns



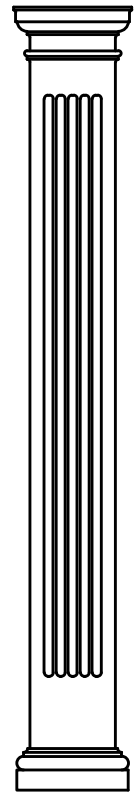
Tuscan Base



Tuscan Profile & Cap



Smooth



Fluted

Square Straight Shaft		Tuscan Base					Shaft Profile		Tuscan Cap			
Outside Width	Height	Plinth		Torus		Total	Astragal		Echinus	Abacus		Total
		A	B	C	D	B-D	E	F	G	H	I	G-H
6"	8' - 10'	8	1 1/2	1 1/4	15/32	3 7/32	3/4	1	31/32	1 1/16	8 7/16	2 1/32
8"	8' - 10'	10 7/8	1 7/8	1 3/4	5/8	4 1/4	3/4	1 3/4	1 3/4	1 3/8	11 1/4	2 11/16
10"	8' - 12'	13 1/2	2 3/8	2 1/8	3/4	5 1/4	3/4	1 9/16	1 13/16	1 3/4	13 7/32	3 9/16
12"	8' - 16'	17	2 3/4	2 3/8	7/8	6	3/4	1 1/8	1 7/8	2	17 1/4	3 7/8

* Actual outside widths are approximately 1/8" less than shown.
 + All columns available fluted.

COLUMNS
 SHEET NO.
PC-04
 2013

POLYMER
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