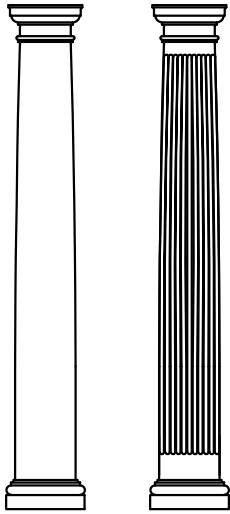


Filament Wound and Resin Infused Fiberglass Columns

Filament Wound Columns are manufactured as structural columns and can be used as column covers. Filament Wound Columns are manufactured with the same technologies used in the aerospace industry for rockets and missiles. Filament columns are the most durable, ultra-lightweight, and have the greatest load-bearing capacity of all the columns available. Filament Wound Columns can be as little as 1/5 the weight of Polymer Composite Columns which makes them the most practical and economical for sizes larger than 14" in diameter and large fluted columns. Columns are manufactured in standard sizes that range from 12" to 36" diameters and heights in excess of 30'. They have load-bearing capacities from 20,000 to 35,000 pounds. Columns can be manufactured tapered, straight, fluted, and with decorative capitals and bases. The column wall thickness, at only 5/32" to 7/32", can withstand side impact abuse because the glass fibers are wrapped in multiple directions. They can be factory split in halves and tabbed to wrap a structural post. All Filament Wound 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.

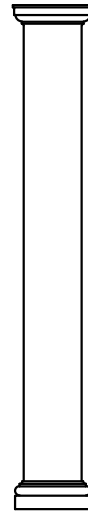
- Weatherproof
- Insect Free
- Low Maintenance
- Load Bearing
- Architecturally Correct



Smooth
Fluted
Round Tapered



Smooth
Round Non-Tapered



Smooth
Square Non-Tapered

COLUMNS

SHEET NO.

FW-01

UPDATED: JAN 2010

FILAMENT WOUND
RESIN INFUSION
COLUMNS



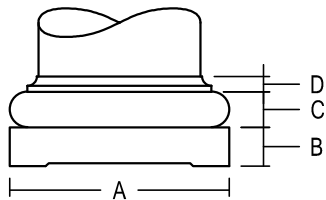
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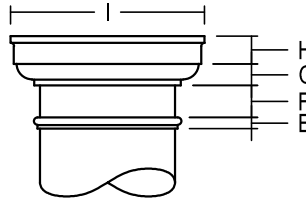
Filament Wound and Resin Infused Fiberglass Columns

Round Tapered Columns

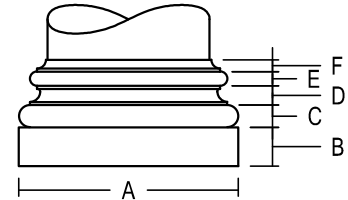
Nominal Shaft Diameter	Optional Attic Base						
	Plinth		Torus				Total
	A	B	C	D	E	F	B-F
12"	16 1/8	2 3/4	1 1/2	1 3/8	1	5/8	7 1/4
14"	18 3/4	3 3/8	1 3/4	1 5/8	1 1/4	3/4	8 3/4
16"	21 1/2	3 7/8	2 1/8	1 7/8	1 3/8	7/8	10 1/8
18"	24 1/4	4 1/4	2 3/8	2 1/8	1 1/2	1 1/8	11 3/8
20"	27	4 3/4	2 5/8	2 3/8	1 3/4	1 3/8	12 7/8
22"	29 3/4	5 1/4	2 7/8	2 5/8	1 7/8	1 5/8	14 1/4
24"	32 1/2	5 3/4	3 3/16	2 7/8	2 1/8	1 3/4	15 11/16
28"	38	6 3/4	3 3/4	3 3/8	2 3/8	1 7/8	18 1/8
30"	40 1/2	7 1/4	3 7/8	3 5/8	2 5/8	1 7/8	19 1/4
36"	48 3/8	8 3/4	4 3/4	4 3/8	3 1/8	2 1/2	23 1/2



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
* 12"	10	8' - 18'	16 1/8	2 3/4	2 3/8	7/8	6	13/16	2 1/8	1 3/8	2	14 3/8	3 3/8
14"	12	8' - 18'	18 3/4	3 3/8	3	1	7 3/8	7/8	2 5/8	1 5/8	2 3/8	17 1/8	4
16"	13 1/2	8' - 20'	21 1/2	3 7/8	3 3/8	1 1/8	8 3/8	1	3	1 7/8	2 3/4	19 1/4	4 5/8
18"	15	8' - 20'	24 1/4	4 1/4	3 7/8	1 1/2	9 5/8	1 3/16	3 3/8	2 1/8	3	21 1/2	5 1/8
20"	17	10' - 24'	27	4 3/4	4 1/4	1 3/4	10 3/4	1 5/16	3 3/4	2 1/4	3 3/8	24 1/4	5 5/8
22"	18 1/2	10' - 22'	29 3/4	5 1/4	4 3/4	2 1/8	12 1/8	1 3/8	4	2 1/2	3 3/4	26 1/2	6 1/4
24"	20	10' - 26'	32 1/2	5 3/4	5 1/4	2 1/4	13 1/4	1 9/16	4 1/2	2 3/4	4 1/8	28 3/4	6 7/8
28"	23 1/2	10' - 24'	38	6 3/4	6	2 3/4	15 1/2	1 13/16	5 1/8	3 1/4	4 3/4	33 3/8	8
30"	25	10' - 24'	40 1/2	7 1/4	6 1/2	2 3/4	16 1/2	1 7/8	5 1/2	3 1/2	5 1/8	35 3/4	8 5/8
36"	30	10' - 28'	48 3/4	8 3/4	7 3/4	3 5/8	20 1/8	2 5/16	6 1/2	4 1/4	6 1/4	42 3/4	10 1/2

* 12" column is not available fluted.

COLUMNS
SHEET NO.
FW-02
UPDATED: JAN 2010

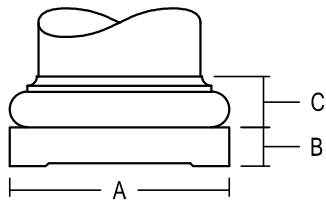
FILAMENT WOUND
RESIN INFUSION
COLUMNS



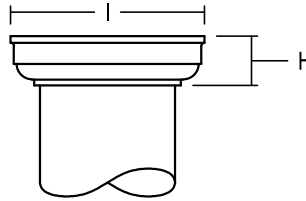
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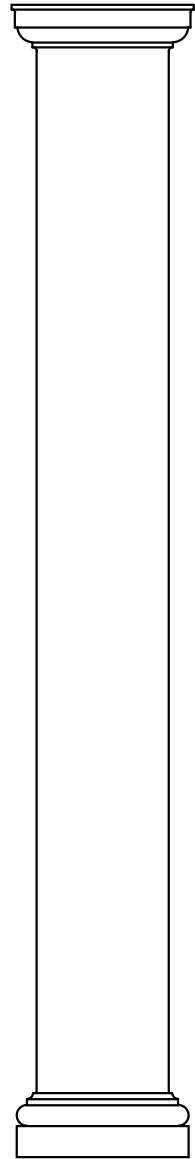
Filament Wound and Resin Infused Fiberglass Columns
 Round Non-Tapered Columns



Tuscan Base



Tuscan Profile & Cap



Round Straight Shaft		Tuscan Base				Tuscan Cap	
Outside Diameter	Height	Plinth		Torus	Total	Abacus	
		A	B	C	B-C	H	I
8"	8' - 12'	10 1/4	1 7/8	2 3/8	4 1/4	1 3/8	10 1/4
10"	8' - 12'	12 3/4	2 3/8	2 7/8	5 1/4	1 3/4	12 3/4
12"	8' - 20'	15 1/4	2 7/8	3 3/8	6 1/4	2	15 1/4
14"	8' - 20'	18 3/4	3 3/8	4	7 3/8	2 3/8	17 1/8
16"	8' - 20'	21 1/2	3 7/8	4 1/2	8 3/8	2 3/4	19 1/4
18"	8' - 20'	24 1/4	4 1/4	5 3/8	9 5/8	3	21 1/2
20"	10' - 24'	27	4 3/4	6	10 3/4	3 3/8	24 1/4
22"	10' - 24'	29 3/4	5 1/4	6 7/8	12 1/8	3 3/4	26 1/2
24"	10' - 26'	32 1/2	5 3/4	7 1/2	13 1/4	4 1/8	28 3/4
30"	10' - 24'	40 1/2	7 1/4	9 1/4	16 1/2	5 1/8	35 3/4
36"	10' - 28'	48 3/4	8 3/4	11 3/8	20 1/8	6 1/4	42 3/4

COLUMNS

SHEET NO.

FW-03

UPDATED: JAN 2010

FILAMENT WOUND
 RESIN INFUSION
 COLUMNS

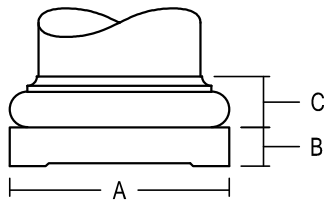


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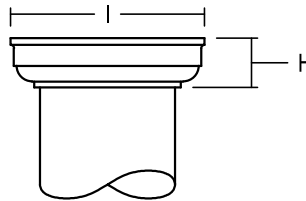
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Filament Wound and Resin Infused Fiberglass Columns

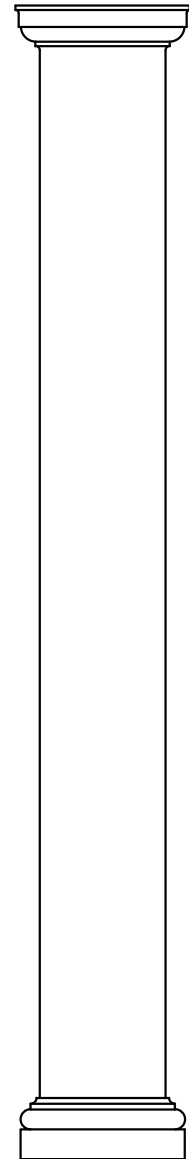
Square Non-Tapered Columns



Tuscan Base



Tuscan Profile & Cap



Square Straight Shaft		Tuscan Base				Tuscan Cap	
Outside Width	Height	Plinth		Torus	Total	Abacus	
		A	B	C	B-C	H	I
8"	8' - 20'	10 1/4	1 7/8	2 3/8	4 1/4	1 3/8	10 1/4
10"	8' - 20'	12 3/4	2 3/8	2 7/8	5 1/4	1 3/4	12 3/4
12"	8' - 20'	15 1/4	2 7/8	3 3/8	6 1/4	2	15 1/4
14"	8' - 20'	18 3/4	3 3/8	4	7 3/8	2 3/8	17 1/8
16"	8' - 20'	21 1/2	3 7/8	4 1/2	8 3/8	2 3/4	19 1/4
18"	8' - 20'	24 1/4	4 1/4	5 3/8	9 5/8	3	21 1/2
20"	10' - 24'	27	4 3/4	6	10 3/4	3 3/8	24 1/4
22"	10' - 24'	29 3/4	5 1/4	6 7/8	12 1/8	3 3/4	26 1/2
24"	10' - 26'	32 1/2	5 3/4	7 1/2	13 1/4	4 1/8	28 3/4

COLUMNS

SHEET NO.

FW-04

UPDATED: JAN 2010

FILAMENT WOUND
RESIN INFUSION
COLUMNS



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