SUPERIOR Fiberglass Columns

Elegance, Strength, and Dependability

www.superioraluminum.com

SUPERIOR Round and Square Fiberglass Columns

Elegance, Strength, and Dependability

Superior fiberglass columns are shaped as they were in Ancient Greece, stretching upward from a strong base to a graceful taper at the smooth top. Whether round, fluted, or square, our fiberglass columns are specially constructed for all types of decorative and load-bearing installations, and have architecturally correct proportions and projections. The Greeks used the word "entasis" to describe their columns… you will call them "beautiful." They are perfect for indoor and outdoor applications and ideal for both residential and commercial use.

Whether it's for new construction or remodeling, beautiful Superior fiberglass columns are the low-cost way to add a touch of elegance and detail to your architectural designs that will last a lifetime. Our fiberglass columns are manufactured from high density, highly advanced fiberglass polymers that resist impact damage, and are virtually maintenance-free

Durability - Unlike wood, fiberglass columns will not rot, split, or warp, and are more impact resistant than wood. And, of course, termites hate them.

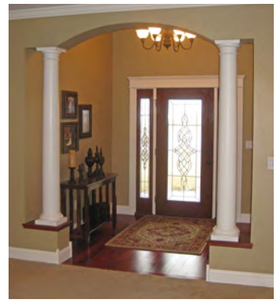
Strength - Fiberglass columns can be used as load bearing structural elements in entrances, covered walkways, lobbies, colonnades, balconies, and other structures, inside or outside.

Easy Installation - Cut the columns to size and slip on the caps and bases. Easy to follow assembly and installation instructions are located on the back cover and packaged with each column.

Complete Range of Sizes - Superior Aluminum offers a wide range of sizes and lengths to fit almost any application. Refer to the Dimensions and Load Data charts for available sizes.

Finish - For outdoor installations, the columns must be protected. A good quality alkyd or oil based primer and paint are recommended. Paint should be applied with a brush. Spray painting is not recommended. No special preparation is required, and once painted, the columns will not deteriorate, even under severe long-term weathering.

SPECIALTY COLUMNS



CAPS & BASES

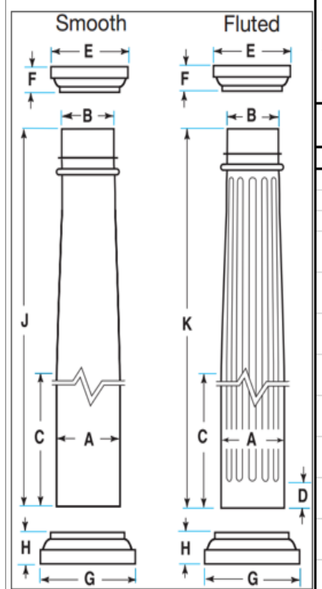
Standard Ionic Scamozzi Temple Corinthian

Standard Attic

Round smooth and round fluted columns are complemented by matching classic caps and bases, including the Standard, Ionic, Scamozzi, Temple, and Corinthian caps and Standard and Attic bases (shown above). Square columns are also provided with a matching classic cap and base (shown below).

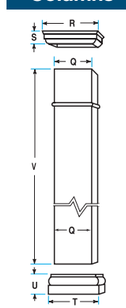
Square Cap Square Base

Round Columns Dimensions & Load Data



Nominal Diameter		Actual Diameter		Non-Tapered Area from Bottom of Column	Flutes from Bottom (Fluted Column Only)	Number of Flutes	Standard Cap (Column Extends Through Cap)		Ionic Cap (Load Bearing Cap)		Scamozzi Cap (Load Bearing Cap)		Temple Cap (Load Bearing Cap)		Corinthian Cap (Load Bearing Cap)		Standard Base (Column Extends Through Base)		Attic Base (Column Extends Through Base)		Standard Lengths (ft)		Load Lbs.
Round Smooth	Round Fluted	Outside Base	Outside Neck				Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Round Smooth	Round Fluted	
		A	B	C	D		E	F	E	F	E	F	E	F	E	F	E	F	E	F	J	K	
6"	6"	5-5/8"	5"	1/3 of length	14-1/16"	16	7-1/2"	4-5/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8-1/2"	3-3/16"	8"	3-7/16"	8'	8'	8,000
8"	8"	7-5/8"	6-1/2"	1/3 of length	15-1/8"	24	9-1/2"	2-1/2"	8-1/2"	4"	10-1/2"	4-1/4"	10-1/4"	8-1/4"	12-3/4"	9-1/4"	10-1/4"	4-3/8"	10-1/4"	4-1/2"	5'6", 8, 9, 10'	8, 9, 10'	10,000
10"	10"	9-5/8"	8-1/4"	1/3 of length	16"	24	11-15/16"	3-1/8"	11"	5-1/4"	14-1/2"	5-1/4"	13-3/4"	11"	15-1/2"	12-1/4"	12-3/4"	5-1/2"	12-3/4"	5-7/8"	8, 9, 10, 12'	8, 9, 10, 12'	14,000
12"	12"	11-5/8"	9-11/16"	1/3 of length	16-7/8"	24	14-3/8"	3-5/8"	12-3/4"	5-3/4"	17-1/2"	6-1/4"	15-3/4"	11-3/4"	18-1/4"	14-3/4"	15-1/8"	6-1/8"	15-5/16"	6-13/16"	8, 9, 10, 12, 14, 16'	8, 9, 10, 12'	18,000
14"	14"	13-5/8"	11-3/8"	1/3 of length	18-1/4"	24	16-3/8"	4-1/16"	16-1/2"	5"	18-3/4"	5-5/8"	21-1/2"	14"	19-3/4"	15-1/8"	18-5/8"	7-1/2"	18-5/8"	9-1/16"	8, 9, 10, 12, 14, 16'	8, 9, 10, 12'	20,000
16"	16"	15-5/8"	13"	1/3 of length	N/A	N/A	18-1/2"	4-1/2"	17-1/4"	6-3/8"	22"	7-1/2"	23-1/4"	17"	22-1/2"	17-1/8"	21-3/8"	8-5/8"	21-1/8"	10-3/16"	8, 9, 10, 12, 14, 16, 18, 20'	8, 9, 10, 12'	20,000
18"	N/A	17-1/2"	15"	1/3 of length	N/A	N/A	21-1/4"	5-1/2"	21-1/4"	6-1/2"	24-3/4"	7-1/2"	27"	18-5/8"	25-1/4"	17-3/4"	24-1/8"	9-13/16"	24-1/4"	11-5/8"	8, 9, 10, 12, 14, 16, 18, 20'	N/A	20,000
20"	N/A	20"	17"	1/3 of length	N/A	N/A	24-1/8"	5-5/16"	25"	9"	18-1/2"	8-1/2"	27-3/4"	21-1/2"	39"	25-1/4"	27"	10-3/4"	27"	12-7/8"	12, 14, 16, 18, 20, 22, 24'	N/A	20,000
22"	N/A	22"	18-1/2"	1/3 of length	N/A	N/A	26-1/2"	6-1/4"	25-1/8"	9-1/2"	N/A	N/A	N/A	N/A	41"	28-1/2"	29-3/4"	12-1/8"	29-3/4"	14-1/4"	14, 16, 18, 20, 22, 24'	N/A	20,000
24"	N/A	24"	20"	1/3 of length	N/A	N/A	28-3/4"	6-7/8"	27-3/4"	9-3/4"	32-1/4"	10-5/8"	35-3/4"	10-5/8"	42"	28-1/2"	32-1/2"	13-1/4"	32-1/2"	15-11/16"	14, 16, 18, 20, 22, 24'	N/A	20,000
30"	N/A	30"	25"	1/3 of length	N/A	N/A	35-3/4"	8-5/8"	N/A	N/A	N/A	N/A	N/A	N/A	48"	36"	40-1/2"	16-1/2"	40-1/2"	19-1/4"	20, 22, 24, 26, 28, 30'	N/A	20,000
36"	N/A	36"	30"	1/3 of length	N/A	N/A	42-3/4"	10-1/2"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	48-3/4"	20-1/8"	48-3/4"	23-1/2"	20, 22, 24, 26, 28, 30'	N/A	20,000

* Round columns should be trimmed **only** in non-tapered area of column to assure proper fit to base. Caps are viewed from top. Bases are viewed from bottom.

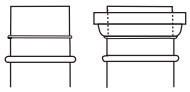


Square Columns Dimensions & Load Data

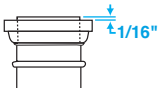
Square Column (For Non-Tapered and Recessed Panel Columns)		Square Cap (Column Extends Through Cap)		Square Base (Column Extends Through Base)		Standard Lengths (in feet)	Load Lbs.
Nominal Width	Actual Width	Cap Width	Cap Height	Base Width	Base Height	Square Column	Square Column
	Q	R	S	T	U	V	
6"	5-1/2"	8"	1-15/16"	8-1/2"	3-1/4"	9'	5,000
8"	7-1/2"	10-1/8"	2-3/8"	10-3/8"	4-1/4"	8, 9, 10'	10,000
10"	9-1/2"	12-3/4"	3"	13"	5-1/4"	8. 9, 10'	10,000
12"	11-1/2"	15-7/8"	3-3/8"	15-1/4"	6"	8, 9, 10, 12'	10,000

Easy Assembly and Installation Instructions

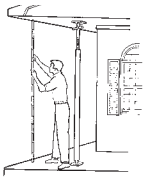
Round Columns
with Standard Caps



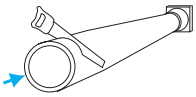
1. Slide the standard cap over the column neck until it rests against the column shoulder bead.



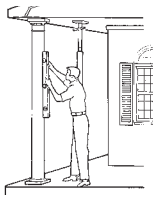
2. The column neck should protrude 1/16" above the cap. Trim evenly with an abrasive saw (if required). **Be sure to wear safety glasses.**



3. Measure the required length or opening where the column is to be used. The column should be slightly longer for a snug fit.



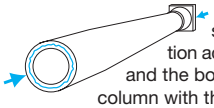
4. Trim the bottom of the column to achieve the desired overall height. **Be sure to wear safety glasses.** Be certain the saw-cut (top & bottom) is even so the load is evenly distributed around the column circumference. If necessary, use a rasp to even it out.



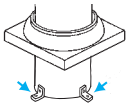
5. Position the cap and base on the column and temporarily stand the column in position, then plumb with a level. With a pencil, mark the exact mounting position around the cap and base.

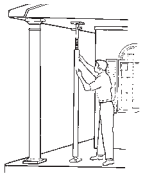
6. ***Securing the Column to the Structure****

A. Using Construction Adhesive: One method of securing the column to the structure is to apply construction adhesive to the top of the column and the bottom trimmed surface of the column with the column lying down.

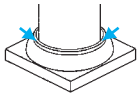


B. Using "L" Brackets: Another method of attaching the column to the structure is the use of L-shaped brackets at the bottom of column. To secure the "L" brackets to the column, drill holes through the column walls and use through bolts. Do not use screws.





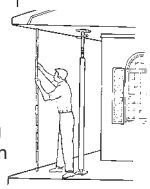
7. Set the column in place, then remove jacks or props.



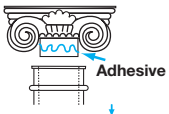
8. Caulk between the rim area of the base and column with a high quality paintable caulk. Clean the column surface with a damp cloth. An alkyd or oil based primer and paint are recommended. Paint should be applied with a brush. Spray painting is not recommended.

Round Columns
with Ornamental Caps

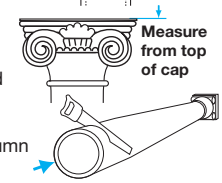
1. Trim off the top of the column neck to the shoulder bead with an abrasive saw. Trim evenly around the column circumference. **Be sure to wear safety glasses.**



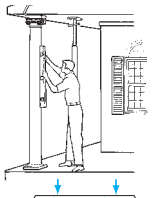
2. Measure the required length or opening where the column is to be used. The column should be slightly longer for a snug fit.



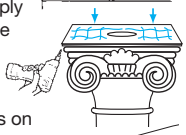
3. Apply construction adhesive around the lower round surface of the cap, then position the cap on the column.



4. Measure the overall required length measuring from the top of the cap to the bottom end of the column. Trim from the bottom end of the column only. Be certain the saw-cut is even so the load is distributed evenly around the column circumference. **Be sure to wear safety glasses.**

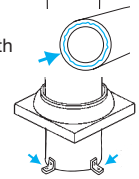


5. Position the base on the column, then temporarily stand the column in position and plumb with a level. With the cap and base in proper position, mark the exact mounting location with a pencil.

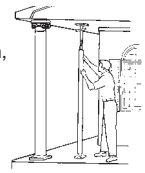


6.* Next, lay the column down and apply construction adhesive to the top of the ornamental cap and on the bottom trimmed surface of the column. Another method of securing the column top in place is by drilling holes on opposite sides at an angle through the cap. Then, attach the column to the structure with screws. Do not over tighten.

Another method of attaching the bottom of the column to the structure is the use of L-shaped brackets attached to the bottom of column. To secure the "L" brackets to the column, drill holes through the column walls and use through bolts. Do not use screws.

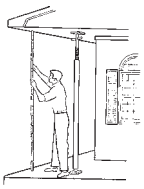


7. Set the column in its permanent position, then remove jack or props.

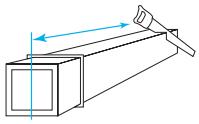


8. Caulk between the rim area of the base and column with a high quality paintable caulk. Clean the column surface with a damp cloth. An alkyd or oil based primer and paint are recommended. Paint should be applied with a brush. Spray painting is not recommended.

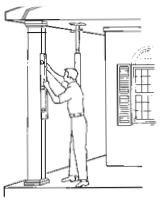
Square Columns
with Cap & Base



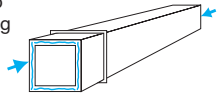
1. Measure the required length or opening where the column is to be used. Using an abrasive saw, the column should be trimmed slightly longer for a snug fit. **Be sure to wear safety glasses.**



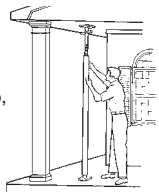
NOTE: *Generally the bottom section of the column is sawed off to fit the opening. Trim evenly so the weight is evenly distributed around the column. However, depending upon your preference, a maximum of 1-3/4" can be trimmed off the top, if desired.*



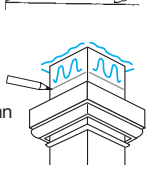
2. Position the cap and base on the column and temporarily stand the column in position, then plumb with a level. With a pencil, mark the exact mounting position around the top neck of the column and the base.



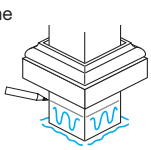
3. Next, lay the column down and apply construction adhesive to the top and bottom load bearing surfaces of the column. See "Installation Note" below.



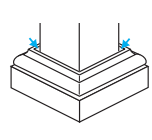
4. Install the cap and base and set the column in place, then remove jacks or props.



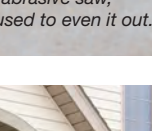
5. With the cap temporary pushed up, draw a pencil line around the bottom surface of the cap. Allow the cap to slide down, then apply construction adhesive to the top of cap, (or upper mounting surface), and to the upper neck of the column. Position the cap up and press it firmly in place.



6. Draw a pencil line around the column at the top of the base, then slide the base up and apply construction adhesive around the column below the pencil line. Slide the base down to its normal floor position.



7. Caulk with a high quality paintable caulk between the base and column and the cap and column.



8. Clean the column surface with a damp cloth. An alkyd or oil based primer and paint are recommended. Paint should be applied with a brush. Spray painting is not recommended.

***INSTALLATION NOTE:** CHECK APPLICABLE STATE, LOCAL, AND FEDERAL BUILDING CODES FOR SPECIFIC INSTALLATION AND FASTENING REQUIREMENTS APPLICABLE TO THE PROJECT.

Installation Tip – *Column may be trimmed with an abrasive saw, hacksaw, or fine-toothed handsaw. A rasp can be used to even it out.*