

Easy To Assemble and Install (No Special Tools Required)
(Step-By-Step Instructions Packaged With Each Column)

CAUTION Before performing any work, be sure to refer to and follow all standard industry safety precautions. In addition, Superior Aluminum Products, Inc. recommends that all installers wear appropriate protective items, such as safety glasses, work gloves, and steel toed shoes, whenever performing work on Superior's Products.

STEP 1: (All Columns) Measure required length. Using a saw, cut column staves slightly longer for a snug fit.
Be sure to wear Safety Glasses.

STEP 2A: Round Columns Only (For 6" & 8" Columns) Join two staves together and with the heel of hands tap and interlock final stave of column together.

(For 10" & 12" Columns) Join staves together, small hooks curling into large hooks, except final stave. Slide end of final stave into place by tapping gently with rubber mallet.

(For 15", 18", 24", & 30" Columns) Slide end of one stave into other stave from the end (small hook into large hook) and gently tap into place with a rubber mallet. Slide and tap the remaining staves into place following the same procedure, until all staves are joined and locked together.

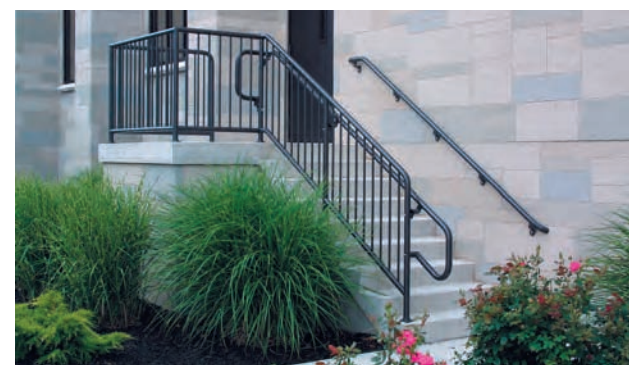
STEP 2B: Square Columns Only (For Square Fluted Columns) Tap corner staves with heel of hand until staves snap and lock together.

(For Square Smooth or Panel Columns) Fit four quarter staves together, tongue into groove. It is best to put two quarter staves together. Repeat with other two staves. Next adjoin the two half staves tongue into groove and tap with heel of hand until staves snap and lock together. **For Panel Columns** locate, drill, and attach Trim Panels to quarter staves. Refer to Assembly Instructions packaged with column for exact Trim Panel mounting positions.

STEP 3: (All Columns with one piece cap and base) Slide base and cap onto column. **Note:** If you are using the two piece cap and base (aluminum, puzzle-lock or polymer composite) disregard this step. See step 6A or 6B after completing steps 4 and 5.

(Optional) Wrap-Around Columns - Round or Square

Wrap-around columns can be assembled around an existing structure. The 10" and larger non-load bearing round columns are supplied with a shorter modified hook on one side which is interlocked in place by tapping with heels of both hands. The 6" and 8" round columns and all square columns utilize standard staves, whether supplied for a non-load bearing or a load-bearing application. A wrap-around two-piece polymer composite or aluminum puzzle-lock cap and base is required for a wrap-around column.



Superior Series 500 Non-welded Aluminum Pipe Railing (hand rail at steps).
Superior Series 550 Picket Non-Welded Aluminum Pipe Picket Railing (at steps and landing).

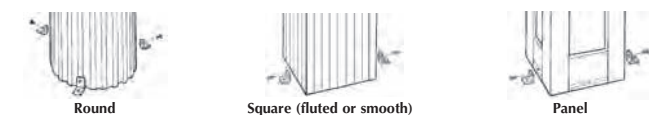
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STEP 4: (All Columns) Set column in place and plumb with level, then - remove props or jack.



STEP 5: (All Columns) Secure column in place at top and bottom of the column, according to standard construction practices. Use of L-shaped brackets (order separately) and fasteners suitable for the specific project is one method. **CHECK APPLICABLE STATE, LOCAL, AND FEDERAL BUILDING CODES FOR SPECIFIC INSTALLATION AND FASTENING REQUIREMENTS APPLICABLE TO THE PROJECT.**



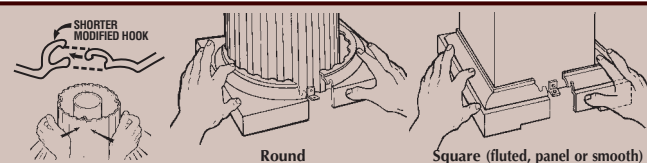
STEP 6A: (For Aluminum Two-Piece Puzzle Lock Cap And Base)

Snap half sections of caps and bases around column. With half sections snapped in place, raise or lower corresponding mating half section so it locks both half sections together around the column. Locate the cap in place at top of column by drilling two holes opposite each other through the cap and into the column, securing with screws included. Follow the same procedure for the base sections.

STEP 6B: (For Polymer Composite Two-Piece Snap Together Cap And Base) Snap half sections of polymer cap and base together around column. Locate the cap in place at top of column by drilling two holes opposite each other through the cap and into the column, securing with screws included.

(For Standard, Doric or Charleston Caps) Locate cap in place at top of column by drilling two holes opposite each other through the cap and into the column. Secure cap in place with screws or rivets.

(For Scamozzi or Corinthian Caps) Drill through top portion of cap, at an angle, and secure cap with screws to the upper structure.

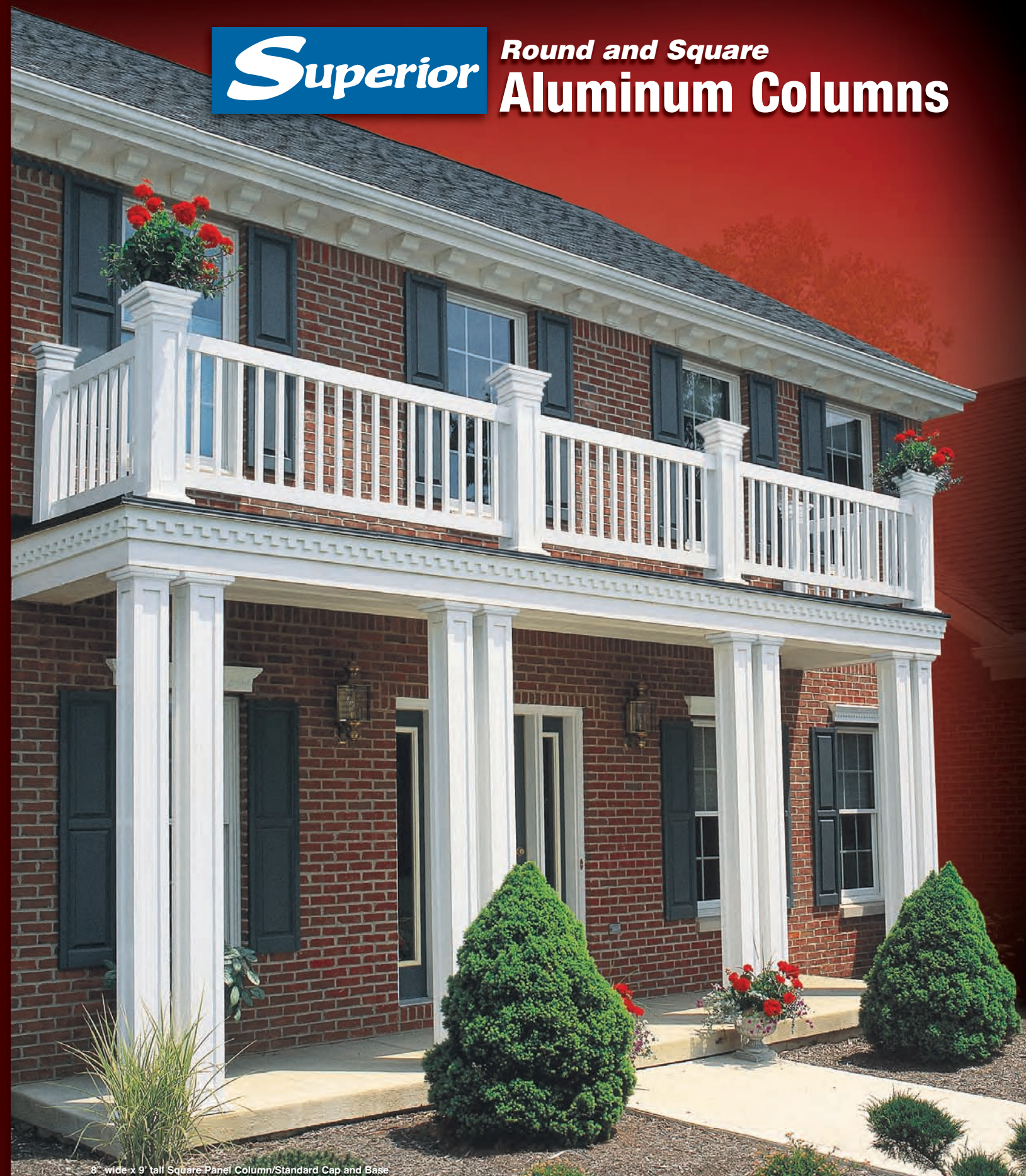


Ask about our complete line of other...

Superior Aluminum Products:

- Fiberglass Columns - Round & Square
- Series 2000 Cable Railing
- Series 500 Non-Welded Aluminum Pipe Railing
- Series 550 Non-Welded Aluminum Pipe Picket Railing
- Series 600 Custom Residential Railing & Columns
- Series 700 Aluminum Picket Fence & Custom Gates
- Series 7000 Aluminum Picket Fence & Custom Gates
- Series 900 Heavy Duty Aluminum Railing
- Series 9000 Heavy Duty Aluminum Railing
- Series 950 Heavy Duty Aluminum Railing (ADA)
- Series 990 Extra Heavy Aluminum Railing

Superior Round and Square Aluminum Columns



8" wide x 9' tall Square Panel Column/Standard Cap and Base

The choice of elegance and dependability in any construction project!

www.superioraluminum.com

Product Presentation

Superior extruded aluminum round and square fluted, square panel or square smooth columns recreate traditional elegance at very affordable prices. Fashioned from sturdy long-lasting aluminum, these smartly styled columns are perfect for either remodeling or new construction. Our aluminum columns are versatile, too. They can be used to create a classical mood on homes, churches, office buildings, schools, libraries, motels, museums, and other public buildings. Residential or commercial, indoors or out, beautiful aluminum columns are the low-cost way to add a touch of class to your architectural designs.

Baked-On Paint



All aluminum columns, including caps and bases, are supplied in decorative permanent finishes including your choice of white, almond, tan/wicker or sandstone/clay. Round fluted and square fluted columns in 6" and 8" sizes can also be available in brown. The polymer snap together composite cap and base also available in these finishes have the color injected throughout the polymer composite material. A mill finish is also available for those wishing to custom paint their columns.

Durability

Unlike wood, aluminum columns will not rot, split, warp, or weather.



Strength

Aluminum columns can be used as load bearing structural elements in entrances, covered walkways, lobbies, colonnades, balconies, and other structures.



For Example: A 6" diameter round column, or a 6" wide square or panel column that is 8 ft. in length is fully load bearing up to 13,000 lbs.

Styling

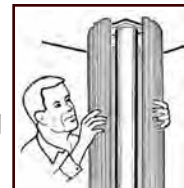
The authentic design of each round and square fluted, square panel or square smooth column is complimented by your choice of cap and base styles including wrap-around applications. See pages 4 and 5 for round column cap/base designs and pages 6 and 7 for square column designs.

Complete Range of Sizes

Superior Aluminum offers a wide range of column sizes and lengths to fit residential or commercial applications. Refer to the "Dimension and Load Data charts for round column diameters or square column widths available in each column style.

Wrap-Around Columns

Any column and cap and base can be ordered in a wrap-around style for assembly around an existing structure. The snap together 6" and 8" round columns including all square columns utilize standard staves whether supplied for a non-load bearing or a load bearing application. The 10" and larger round columns are supplied with a shorter modified hook on one side of each stave and are non-load bearing. For wrap-around applications the two piece aluminum puzzle lock cap and base can be supplied for all sizes of Standard or Doric caps and bases. The polymer composite snap together cap and base is also available for the Standard style 6" and 8" cap and base.



Easy Assembly & Installation

Cut the staves (sections) of each column to size, then snap or lock them together. For one-piece aluminum caps and bases just slip the columns into the cap and base. For the two-piece aluminum puzzle-lock or the two-piece polymer composite cap and base simply join the mating halves together around the column. Easy to follow step by step assembly instructions are packaged with each column. General installation instructions are also shown on the back cover.



ROUND FLUTED COLUMNS



SQUARE FLUTED COLUMNS



SQUARE PANEL COLUMNS



SQUARE SMOOTH COLUMNS

SMOOTH SQUARE COLUMNS



8" wide x 8" tall Square Smooth Columns
Charleston Cap & Standard Base with Superior Series 900 Railing



Column Post 48" tall then cut to 38" high with welded Post Cap

6" wide x 8" tall Square Smooth Column
Standard Cap & Base with Superior Series 900 Railing

Caps and Bases

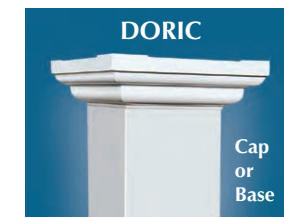
To complement our line of one piece aluminum caps and bases, Superior Aluminum offers the two piece aluminum puzzle-lock in Standard or Doric styles, in all column sizes for wrap-around applications. The two piece snap together polymer composite in the Standard style only is also available for the 6" and 8" width square wrap-around column application.

CAP AND BASE STYLES



STANDARD

Cap or Base



DORIC

Cap or Base



CHARLESTON

Cap only



SAVANNAH

Base only

CAPS AND BASES



ALUMINUM ONE PIECE

One Piece Cap or Base



ALUMINUM PUZZLE LOCK

Two Piece Cap or Base

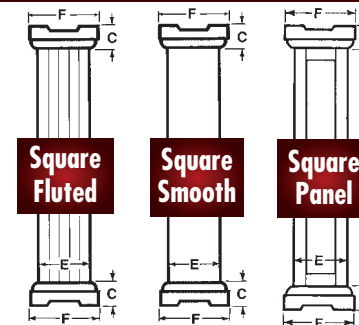


POLYMER COMPOSITE

Two Piece Snap Together Cap or Base

6" and 8" Only

Square Columns



4" columns are available with the Standard cap and base only. All other size columns are available with the Standard, Doric or Charleston cap and the Standard, Doric or Savannah base.

Dimensions & Load Data

(For Square Fluted, Square Smooth or Square Panel Columns and Caps/Bases)

Nominal Width	Actual Width	Caps / Bases (width & height)								Standard Lengths in Ft.	No. Staves Sq. Panel	Load Lbs.				
		Polymer Composite		Standard		Doric		Charleston					Savannah			
Square Smooth	Square Fluted	Square Panel	E	C	F	C	F	C	F	C	F	C	F			
-	4"	-	4	-	-	13/8	6	-	-	-	-	-	-	8, 9, 10, & 12'	2 -	12,000
6"	6"	6"	5 1/2	2	8 1/2	2	8 1/2	3 3/4	10 1/2	6 1/2	9 1/4	5 1/4	8	8, 9, 10, & 12'	4 4	12,000
8"	8"	8"	7 1/2	2	10 1/2	2	10 1/2	3 3/4	12 1/2	6 1/2	11 1/4	5 1/4	10	8, 9, 10, 12, & 16'	4 4	18,000
10"	10"	10"	9 1/2	-	-	25/16	12 1/2	3 3/4	14 1/2	6 1/2	13 1/4	5 1/4	12	8, 9, 10, 12, 16, & 18'	4 4	25,000
12"	12"	12"	11 1/2	-	-	2 1/2	15	3 3/4	16 1/2	10	17 1/4	5 1/4	14	8, 10, 12, 16, 18, & 20'	4 4	27,000
-	16"	16"	15 1/2	-	-	3	20	3 3/4	20 1/2	10	21 1/4	5 1/4	18	12, 16, 18, 20, & 24'	4 8	36,000

Note: All square column staves extend through caps and bases.

Tested lengths are underlined

Superior

FLUTED SQUARE COLUMNS



8" diameter x 8' tall Square Fluted Columns
Standard Cap and Base



8" diameter x 8' tall Square Fluted Columns
Standard Cap and Base with Series 900 Railing



8" diameter x 8' tall Square Fluted Columns
Standard Cap and Base



24" diameter x 20' tall Round Fluted Columns
Standard Cap and Base



8" diameter x 8' tall Round Fluted Columns
Standard Cap and Base with Series 900 Railing



8" diameter x 8' tall Square Fluted Columns
Standard Cap and Base



8" diameter x 8' tall Square Panel Columns
Standard Cap and Base with Series 900 Railing

PANEL SQUARE COLUMNS



8" diameter x 9' tall Square Panel Columns
Standard Cap and Base



8" diameter x 8' tall Square Panel Columns
Standard Cap and Base



30" diameter x 20' tall Round Fluted Columns
Corinthian Cap and Standard Base

LOOKING FOR NEW
CONSTRUCTION OR
REMODELING
IDEAS...

Superior FLUTED ROUND COLUMNS



24" diameter x 20' tall Round Fluted Columns
Doric Cap and Base

Question - How do I know what diameter column will look right?

Answer - Architects have complex formulas for figuring this, but the basic rule of thumb is one inch of diameter for each foot of height. We also suggest that for buildings set back more than 300 feet from the road, you go one size diameter larger, as columns viewed from this distance tend to look more slender.



10" diameter x 8' tall Panel Fluted Columns
Standard Cap and Base



10" diameter x 8' tall Panel Fluted Columns
Standard Cap and Base



8" diameter x 8' tall Panel Fluted Columns
Standard Cap and Base



16" diameter x 12' tall Wrap-Around Fluted Columns
with Wrap-Around Corinthian Cap & Doric Base.



24" diameter x 16' tall Round Fluted Columns
Corinthian Cap and Standard Base



8" diameter x 8' tall Panel Fluted Columns
Standard Cap and Base

Caps and Bases

To complement our line of one piece aluminum caps and bases in Standard, Doric, Scamozzi, and Corinthian styles, Superior Aluminum offers the two piece aluminum puzzle-lock in all column sizes in Standard or Doric styles for wrap-around applications. The two-piece snap together polymer composite in Standard style only is also available for the 6" and 8" diameter columns.

CAP AND BASE STYLES



STANDARD

Cap or Base



DORIC

Cap or Base



SCAMOZZI

Cap only



CORINTHIAN

Cap only

CAPS AND BASES

ALUMINUM ONE PIECE



One Piece Cap or Base

ALUMINUM PUZZLE LOCK



Two Piece Cap or Base

POLYMER COMPOSITE



Two Piece Snap Together Cap or Base
6" and 8" Only

NOTE: Column staves extend through the Polymer Composite, Standard and Doric Caps and Bases.

NOTE: Column staves extend into the Scamozzi and Corinthian Caps, up to the bearing plate that is welded to the top surface of each of these caps.

Round Columns and Caps / Bases

Dimensions & Load Data

Round Column, Standard or Doric Cap or Base	Nominal Diameter	Actual Diameter	Polymer Composite		Caps & Bases (width & height)								Standard Lengths in Ft.	No. Staves	Load Lbs.	
			B	C	Standard	Doric	Scamozzi	Corinthian								
	6"	55/8	73/4	115/16	73/4	115/16	-	-	-	-	-	-	-	8, 9, 10 & 12'	3	13,000
	8"	8	10	21/16	10	21/16	12 1/4	33/4	12	5 1/8	15 3/4	10	8, 9, 10, 12, 14 & 16'	3	22,000	
	10"	10	-	-	12 1/4	27/16	14 1/2	4 1/4	12	5 1/8	15 3/4	10	8, 9, 10, 12, 14, 16, 18 & 20'	4	25,000	
	12"	11 1/4	-	-	14 1/8	3	17	5	14 1/2	6 1/2	20	12 1/2	8, 9, 10, 12, 16, 18 & 20'	5	30,000	
	15"	14 3/8	-	-	17 7/8	3 1/2	20 3/4	5 3/4	18 1/2	7 1/4	23 1/2	15	12, 16, 18, 20 & 24'	6	34,000	
	18"	18	-	-	21 5/8	3 3/4	25 1/2	6 1/2	27	7 3/4	26 1/2	18	16, 18, 20 & 24'	6	38,000	
24"	24	-	-	28	4 3/8	31 3/4	7 1/8	38 1/2	14 3/8	35 1/2	25	16, 18, 20, 24 & 30'	6	50,000		
30"	30	-	-	-	-	43 5/8	9 1/2	-	-	-	-	16, 18, 20, 24 & 30'	8	50,000		

Tested lengths are underlined