



Available fluted and unfluted in a wide range of sizes. Flutes in most 8", 10", and 12" diameter tapered shafts are molded right into the shaft, providing consistent Ionic fluting. All sizes can also be custom-fluted for specific opening heights, and adjusted for the cap and base chosen. When shafts are custom fluted, typically the flutes end 1" from the top of the base.

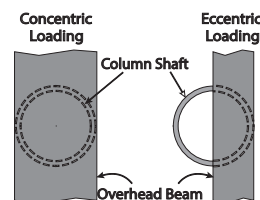
Tapered Round FRP Shafts Available Heights and Load Capacities															
Column Bottom Diameter ‡	5'	6'	8'	9'	10'	12'	14'	16'	18'	20'	22'	24'	Concentric Load *	Eccentric Load *	
6"	√	√	√										6,000 lb.	6,000 lb.	
8"	√	√	√●	√●	√●								10,000 lb.	6,600 lb.	
10"	√	√	√●	√●	√●	√●							14,000 lb.	10,720 lb.	
12"	√	√	√●	√●	√●	√●	√	√●					18,000 lb.	13,200 lb.	
14"			√	√	√	√	√	√	√	√			20,000 lb.	11,520 lb.	
16"	√	√	√	√	√	√	√	√	√	√			20,000 lb.	13,200 lb.	
18"			√	√	√	√	√	√	√	√	√	√	20,000 lb.	9,040 lb.	
20"		√	√		√	√	√	√	√	√			20,000 lb.	18,960 lb.	
24"			√		√	√	√	√	√	√	√	√	20,000 lb.	13,200 lb.	



All Poly-Classic® DuraStone™ Columns are available with custom fluting.

√ Available unfluted.

• Available with standard flutes.



Tapered & Non-tapered Round FRP Column

‡ Actual shaft width may be smaller than nominal size shown.

* Load capacities are reduced when loads are not centered. Full documentation regarding eccentric load capacities can be found online at Turncraft.com/pdf/EccentricLoad.pdf and Turncraft.com/pdf/LoadAddendum.pdf.

Please refer to the online documentation regarding maximum eccentricity (beam offset from center) and other specifications.

FLAME GUARD

Poly-Classic® DuraStone™ Columns were the first fiberglass-reinforced polymer columns to achieve the distinction of passing an industry test (ASTME, 84-01) that measures the flame spread and smoke development of building components in a fire.

Turncraft Poly-Classic® FRP Columns with Flame Guard set a new industry standard:		
	Flame Spread Index (FSI)	Smoke Developed Index (SDI)
Industry Standard for FRP Columns	70-85	900-1025
Turncraft Poly-Classic® Columns	15*	335**

*Achieving Class I Flame-Spread classification under 1997 uniform fire code. **Well below the allowable SDI index of 450.

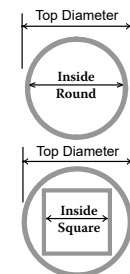
PLAN TYPES

Poly-Classic® DuraStone™ Columns are available in the plan types below. Please specify when you order. (Fractional components shown are typical. Customer may specify actual returns, wall thicknesses, etc.)

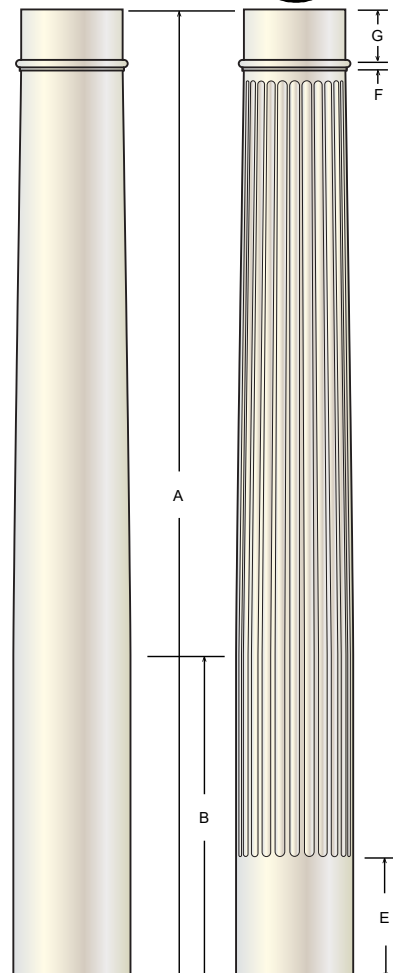
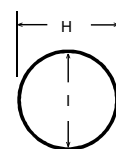


DURASTONE™ ROUND TAPERED COLUMN SPECIFICATIONS

Column nominal diameter	Shaft height (A)	Shaft bottom *		Shaft top *		Space available inside shaft		Shaft neck		Flute width (24 each)	Straight portion of shaft (unfluted) (B)	Straight portion of shaft (fluted) (B)	Smooth shaft before flutes (E)
		Outside diameter (C)	Inside diameter (D)	Outside diameter (H)	Inside diameter (I)	For round post	For square post	Neck height † (G)	Astragal ring ‡ (F)				
6"	5'	5 1/16"	4 3/4"	4 13/16"	3 3/4"	3 3/8"	2 1/2"	3"	1/2"	1/2"	23 1/16"	n/a	n/a
	6'										35 1/16"		
	8'										59 1/16"		
8"	5'	7 5/8"	6 3/4"	6 19/32"	5 1/2"	5 1/8"	3 1/2"	4 1/4"	1/2"	1 1/16"	14 1/16"	n/a	n/a
	6'										26 1/16"		
	8'										50 1/16"	50"	9 3/4"
	9'										62 1/16"	54"	9 3/4"
	10'										72 1/16"	65"	9 3/4"
10"	4'	9 1/16"	8 3/8"	8 9/16"	7 3/4"	7 3/8"	4 15/16"	5 1/8"	3/4"	7/8"	0	n/a	n/a
	5'										0		
	6'										10 11/16"	39"	10 1/4"
	8'										34 11/16"		
	9'										46 11/16"		
	10'										58 11/16"	65"	10 1/2"
12"	12'	11 5/8"	10 3/4"	10 1/16"	9 1/4"	8 7/8"	6"	4 3/4"	3/4"	1"	82 11/16"	89"	10 1/2"
	5'										0	n/a	n/a
	6'										8 3/4"		
	8'										32 3/4"	42 3/4"	11 1/4"
	9'										44 3/4"	49"	11 1/4"
	10'										56 3/4"	53"	11 1/4"
	12'										80 3/4"	60"	11 3/8"
	14'										62"	n/a	n/a
14"	16'	13 1/2"	11 1/2"	11 9/16"	10 1/2"	10 1/8"	6 3/8"	6 3/4"	1"	1 1/4"	86"	87"	11 3/8"
	8'										33 1/4"	45 1/4"	57 1/4"
	9'										45 1/4"		
	10'										57 1/4"	81 1/4"	81 1/4"
	12'										81 1/4"		
	14'										57 1/4"	105 1/4"	129 1/4"
	16'										81 1/4"		
	18'										105 1/4"	129 1/4"	16 1/4"
16"	20'										129 1/4"		
	5'	15 7/16"	13 1/2"	13 1/8"	12"	11 5/8"	7 7/16"	7 3/8"	1"	1 7/16"	16 1/4"	28 1/4"	18 1/2"
	6'										28 1/4"		
	8'										18 1/2"	30 1/2"	42 1/2"
	9'										30 1/2"		
	10'										42 1/2"	66 1/2"	27 1/4"
	12'										66 1/2"		
	14'										27 1/4"	51 1/4"	75 1/4"
	16'										51 1/4"		
	18'										75 1/4"	99 1/4"	13 3/8"
	20'										99 1/4"		
18"	8'	17 3/8"	15"	14 5/16"	12 3/4"	12 3/8"	8 5/16"	7 7/8"	1"	1 1/2"	13 3/8"	25 3/8"	37 3/8"
	9'										25 3/8"		
	10'										37 3/8"	61 3/8"	85 3/8"
	12'										61 3/8"		
	14'										85 3/8"	26 1/8"	50 1/8"
	16'										26 1/8"		
	18'										50 1/8"	74 1/8"	98 1/8"
	20'										74 1/8"		
	22'										98 1/8"	122 1/8"	0
	24'										122 1/8"		
20"	6'	19 3/8"	18"	16 5/16"	14 7/8"	14 1/2"	10"	9 3/16"	1 3/8"	1 11/16"	0	22 1/4"	46 1/4"
	8'										22 1/4"		
	10'										46 1/4"	70 1/4"	40 3/8"
	12'										70 1/4"		
	14'										40 3/8"	64 3/8"	88 3/8"
	16'										64 3/8"		
	18'										88 3/8"	112 3/8"	8"
	20'										112 3/8"		
24"	8'	23 3/8"	22"	19 1/16"	18"	17 5/8"	12 3/16"	12"	1 5/8"	2 1/8"	8"	32"	56"
	10'										32"		
	12'										56"	24 13/16"	48 13/16"
	14'										24 13/16"		
	16'										48 13/16"	72 13/16"	96 13/16"
	18'										72 13/16"		
	20'										96 13/16"	120 13/16"	144 13/16"
	22'										120 13/16"		
24"	24'										144 13/16"		



The "Space Available Inside Shaft" measurements are calculated at the top inside diameter (with $\pm 3/8"$ tolerance), when using Tuscan or Roman Doric caps. Fluted columns will have reduced tolerances.



Refer to page 13 for Concentric and Eccentric load capacities.

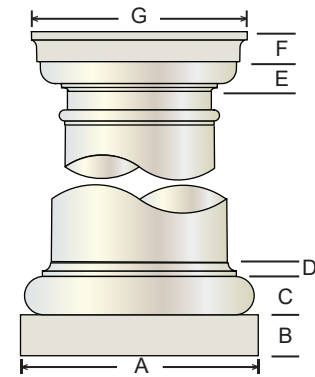
* Diameters may vary $\pm 1/8"$.

† Neck Height is the distance from the top of the shaft to the top of the astragal ring, $\pm 1/8"$.

‡ Astragal ring is only the ring portion, and does not include the fillet and cove.

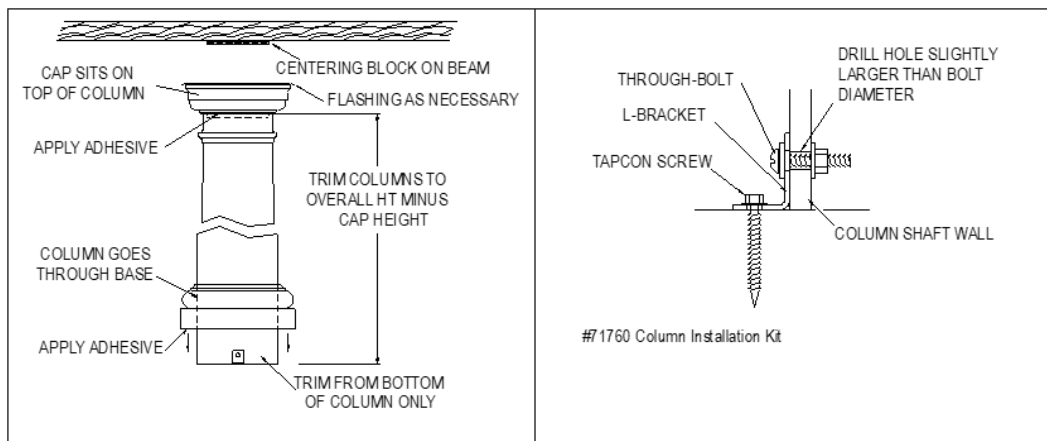
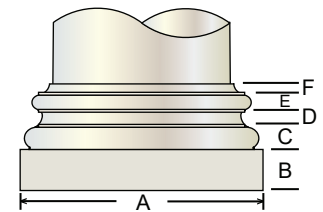
TUSCAN CAPS AND BASES

Column diameter	Tuscan Base					Tuscan Cap				
	Plinth		Torus		Total height	Echinus	Abacus		Total height	
	(A)	(B)	(C)	(D)	(B-D)	(E)	(F)	(G)	(E-F)	
6"	8"	1 1/2"	1 1/4"	1/2"	3 1/4"	1"	1 1/16"	7 1/2"	2 1/16"	
8"	10 7/8"	1 1/8"	1 3/4"	5/8"	4 1/4"	1 5/16"	1 3/8"	9 7/8"	2 11/16"	
10"	13 1/2"	2 3/8"	2 1/8"	3/4"	5 1/4"	1 13/16"	1 3/4"	12 1/8"	3 9/16"	
12"	16 1/4"	2 3/4"	2 3/8"	7/8"	6"	1 7/8"	2"	14 5/8"	3 7/8"	
14"	18 5/8"	3 5/16"	3"	1"	7 5/16"	2 1/2"	2 5/16"	17"	4 15/16"	
16"	21 5/16"	3 7/8"	3 3/8"	1 1/8"	8 5/16"	2 3/4"	2 11/16"	19 1/8"	5 7/16"	
18"	24"	4 3/4"	4"	1 3/8"	9 9/16"	3"	2 15/16"	21 5/16"	5 15/16"	
20"	27"	4 3/4"	4 1/16"	1 3/4"	10 9/16"	3 1/8"	3 7/16"	24 1/4"	6 9/16"	
24"	32 1/2"	5 3/4"	5 1/4"	2 1/4"	13 1/4"	3 5/16"	4 1/8"	28 3/4"	7 1/16"	



OPTIONAL ATTIC BASE

Column diameter	Plinth		Torus				Total height
	(A)	(B)	(C)	(D)	(E)	(F)	(B-F)
6"	8"	1"	3/4"	3/4"	1/2"	1/2"	3 1/2"
8"	10 7/8"	1 1/8"	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 1/4"	2 3/4"	1 1/2"	1 3/8"	1"	5/8"	7 1/4"
14"	18 5/8"	3 5/16"	1 3/4"	1 5/8"	1 1/4"	11/16"	8 21/32"
16"	21 5/16"	3 3/4"	2 1/8"	1 7/8"	1 1/2"	13/16"	10 1/8"
18"	23 15/16"	4 1/4"	2 5/16"	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"



QUICK-FIT CAPITALS FOR ROUND TAPERED DURASTONE COLUMNS

Our Poly-Classic® DuraStone™ Quick-Fit Capitals are designed for simple installation. These capitals will slide right over the top of the shaft and will sit on the neckring.



Greek Erectheum



Roman Ionic



Roman Corinthian



Scamozzi

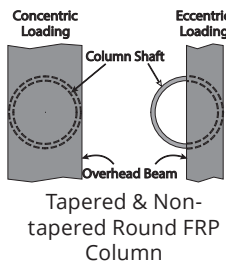
Shaft nominal bottom diameter	Greek Erectheum				Shaft nominal bottom diameter	Roman Ionic				Shaft nominal bottom diameter	Roman Corinthian				Shaft nominal bottom diameter	Scamozzi			
	Capital height	Abacus width	Scroll width	Height adjust		Capital height	Abacus width	Scroll width	Height adjust		Capital height	Abacus width	Scroll width	Height adjust		Capital height	Abacus width	Scroll width	Height adjust
6"	3 1/4"	6 9/16"	8 3/8"	+3/8"	6"	2 3/16"	6"	8"	-1 1/16"	6"	8 1/16"	11"	n/a	+5 1/16"	6"	2 7/16"	8 5/8"	8 1/2"	-7/16"
8"					8"					8"	11 5/16"	14 5/16"	n/a	+7 1/16"	8"	3"	11"	10 13/16"	-1 1/8"
10"					10"					10"	14 3/16"	18 1/8"	n/a	+9 1/16"	10"	4 1/8"	14 1/2"	14 3/8"	-7/8"
12"					12"					12"	17"	21 3/4"	n/a	+12 1/4"	12"	4 13/16"	17"	16 3/8"	+1/16"

Height Adjust is based on trimming the shaft at the architecturally correct location.

Available fluted and unfluted in a wide range of sizes. Flutes in most 8", 10", and 12" diameter tapered shafts are molded right into the shaft, providing consistent Ionic fluting. All sizes can also be custom-fluted for specific opening heights, and adjusted for the cap and base chosen. When shafts are custom fluted, typically the flutes end 1" from the top of the base.

Non-Tapered Round Shafts Available Heights and Load Capacities								
Column Bottom Diameter ‡	8'	10'	11'	12'	14'	15'	Concentric Load *	Eccentric Load *
8"	√	√					10,000 lb.	8,240 lb.
10"	√	√					14,000 lb.	11,520 lb.
12"	√	√		√			18,000 lb.	11,520 lb.
14"	√	√		√	√		20,000 lb.	18,120 lb.
16"	√	√					20,000 lb.	13,200 lb.
18"	√	√	√				20,000 lb.	9,040 lb.
20"	√	√	√				20,000 lb.	18,960 lb.
24"	√	√		√	√	√	20,000 lb.	13,200 lb.

All Poly-Classic® DuraStone™ Columns are available with custom fluting.
√ Available unfluted.

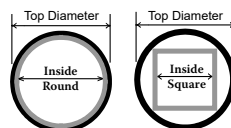


‡ Actual shaft width may be smaller than nominal size shown.
* Load capacities are reduced when loads are not centered. Full documentation regarding eccentric load capacities can be found online at Turncraft.com/pdf/EccentricLoad.pdf and Turncraft.com/pdf/LoadAddendum.pdf.
Please refer to the online documentation regarding maximum eccentricity (beam offset from center) and other specifications.



Column nominal diameter	Shaft height (A)	Shaft diameters *		Space available inside shaft		Flute width (24 each)	Concentric Load	Eccentric Load
		Outside diameter (B)	Inside diameter (C)	For round post	For square post			
8"	8'	7 5/8"	6 3/4"	6 3/8"	4 1/2"	1 1/16"	10,000 lb.	6,600 lb.
	10'							
10"	8'	9 1/16"	8 3/8"	8"	5 5/8"	7/8"	14,000 lb.	10,720 lb.
	10'							
12"	8'							
	10'	11 5/8"	10 3/4"	10 3/8"	7 5/16"	1"	18,000 lb.	13,200 lb.
	12'							
14"	8'							
	10'	13 1/2"	11 1/2"	11 1/8"	7 7/8"	1 5/16"	20,000 lb.	11,520 lb.
	12'							
	14'							
16"	8'	15 7/16"	13 1/2"	13"	9 3/16"	1 1/2"	20,000 lb.	13,200 lb.
	10'							
18"	8'							
	10'	17 3/8"	15"	14 1/2"	10 1/4"	1 11/16"	20,000 lb.	9,040 lb.
	11'							
20"	8'							
	10'	19 3/8"	18"	16 1/2"	11 5/8"	1 7/8"	20,000 lb.	18,960 lb.
	11'							
24"	8'							
	10'							
	12'	23 3/8"	21 1/4" (top ID)	19 1/2"	13 3/4"	2 5/16"	20,000 lb.	13,200 lb.
	14'							
	15'							

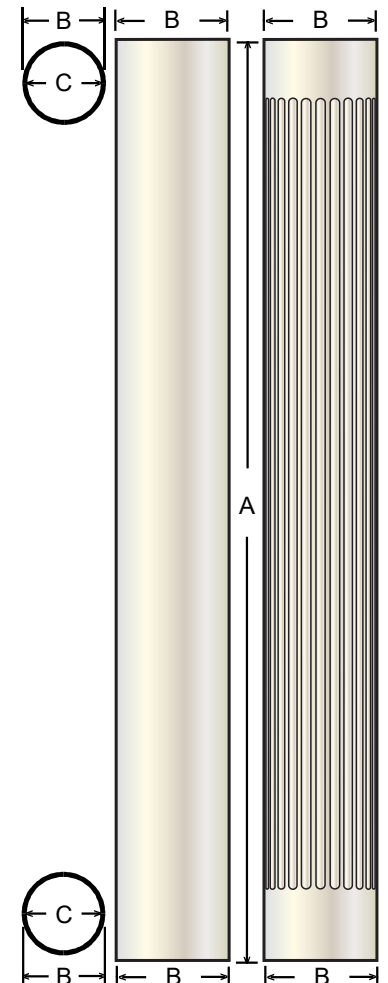
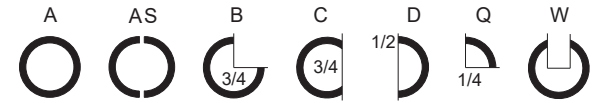
* Diameters may vary ± 1/8".



The "Space Available Inside Shaft" measurements are calculated at the top inside diameter (with ± 3/8" tolerance) when using Tuscan or Roman Doric caps. Fluted columns may have reduced tolerances.

PLAN TYPES

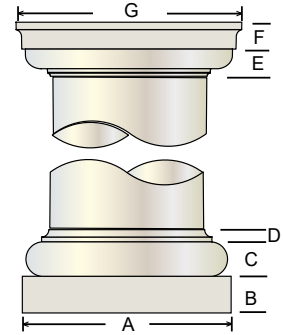
Poly-Classic® DuraStone™ Columns are available in the plan types below. Please specify when you order. (Fractional components shown are typical. Customer may specify actual returns, wall thicknesses, etc.)



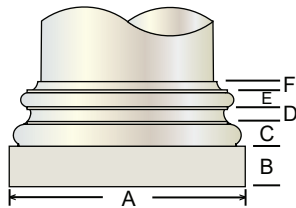


TUSCAN CAPS AND BASES

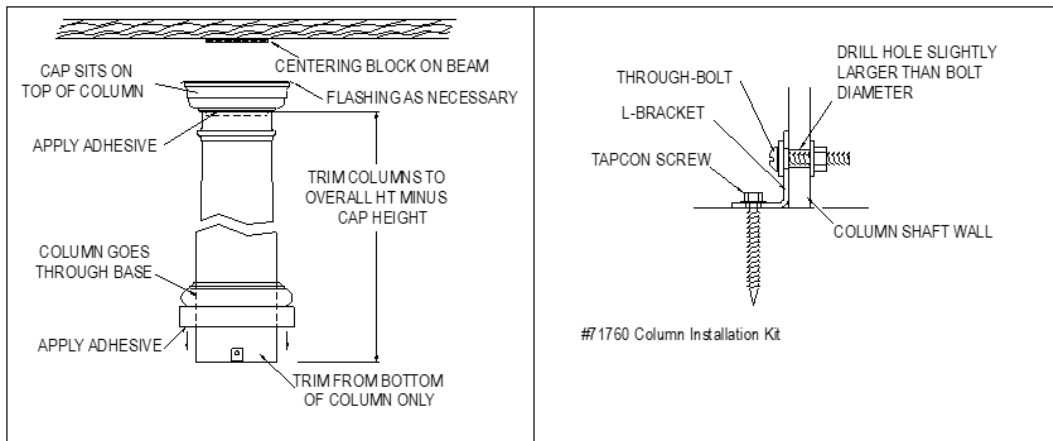
Column diameter	Tuscan Base						Tuscan Cap			
	Plinth		Torus		Total height	Materials available *	Echinus	Abacus	Total height	
	(A)	(B)	(C)	(D)	(B-D)		(E)	(F)	(G)	(E-F)
8"	10 7/8"	1 7/8"	1 3/4"	5/8"	4 1/4"	A, F	1 13/16"	1 3/4"	12 1/8"	3 9/16"
10"	13 1/2"	2 3/8"	2 1/8"	3/4"	5 1/4"	A, F	1 7/8"	2"	14 5/8"	3 7/8"
12"	16 1/4"	2 3/4"	2 3/8"	7/8"	6"	A, F	2 1/2"	2 5/16"	17"	4 13/16"
14"	18 5/8"	3 5/16"	3"	1"	7 5/16"	F	2 3/4"	2 11/16"	19 1/8"	5 7/16"
16"	21 5/16"	3 7/8"	3 3/8"	1 1/8"	8 5/16"	F	3"	2 15/16"	21 5/16"	5 15/16"
18"	24"	4 3/16"	4"	1 3/8"	9 9/16"	F	3 1/8"	3 7/16"	24 1/4"	6 9/16"
20"	27"	4 3/4"	4 1/16"	1 3/4"	10 9/16"	F	3 3/16"	4 1/8"	28 3/4"	7 5/16"
24"	32 1/2"	5 3/4"	5 1/4"	2 1/4"	13 1/4"	F	3 5/16"	4 1/8"	32 1/2"	7 7/16"



OPTIONAL ATTIC BASES



Column diameter	Attic Base						Total height
	Plinth		Torus				
	(A)	(B)	(C)	(D)	(E)	(F)	
8"	10 ⅞"	1 ⅞"	1 ⅛"	⅞"	¾"	½"	5 ⅛"
10"	13 ½"	2 ⅜"	1 ¼"	1 ⅙"	⅞"	⅝"	6 ¼"
12"	16 ⅙"	2 ¾"	1 ½"	1 ⅜"	1"	⅝"	7 ¼"
14"	18 ½"	3 ⅝"	1 ¾"	1 ⅝"	1 ¼"	1⅙"	8 ⅝"
16"	21 ⅜"	3 ¾"	2 ⅛"	1 ⅞"	1 ½"	1⅜"	10 ⅛"
18"	23 ⅙"	4 ¼"	2 ⅝"	2 ⅙"	1 ⅞"	1 ⅙"	11 ¼"
20"	27 ⅙"	4 ¾"	2 ⅙"	2 ⅜"	1 ¾"	1 ⅞"	13"
24"	32 ½"	5 ¾"	3 ⅝"	2 ⅙"	2 ⅙"	1 ¾"	15 ¾"



Ornamental Capitals are not available for Non-Tapered Columns



Available unfluted, fluted, recessed panel, or with a double raised panel. In addition, custom fluting is available. The astragal is molded into the shaft for consistent spacing and simplified installation.

Column Bottom Width	8'	9'	10'	12'	14'	16'	Concentric Load *	Eccentric Load *
6"	√		√				6,000 lb.	6,000 lb.
8"	√•Δ◇	√•Δ	√•Δ◇				10,000 lb.	10,000 lb.
10"	√◇	√◇	√◇	√			12,800 lb.	12,800 lb.
12"	√	√	√	√	√	√	18,000 lb.	17,320 lb.
14"	√	√	√	√	√	√	20,000 lb.	17,320 lb.

All Poly-Classic® DuraStone™ Columns are available with custom fluting.

√ Available unfluted.

• Available with standard flutes.

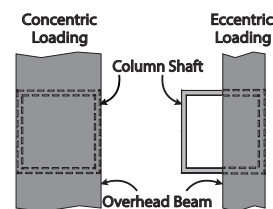
Δ Available raised panel.

◇ Available with recessed panel.

‡ Actual shaft width may be smaller than nominal size shown.

* Load capacities are reduced when loads are not centered. Full documentation regarding eccentric load capacities can be found online at Turncraft.com/pdf/EccentricLoad.pdf and Turncraft.com/pdf/LoadAddendum.pdf.

Please refer to the online documentation regarding maximum eccentricity (beam offset from center) and other specifications.



PLAN TYPES



Column nominal width	Shaft height	Outside width (B)	Inside width * (C)	Neck height † (E)	Astragal ring ‡ (D)	Flute width (20 each)	Space available inside shaft *	Concentric Load	Eccentric Load
6"	8'	5 7/8"	4 3/4"	3 5/8"	3/4"	1/2"	4 1/2"	6,000 lb.	6,000 lb.
	10'								
8"	8'	7 7/8"	5 3/4"	4 1/2"	3/4"	1 1/16"	5 1/2"	10,000 lb.	10,000 lb.
	9'								
	10'								
10"	8'	9 7/8"	8 3/4"	5 1/16"	3/4"	7/8"	8 1/2"	12,800 lb.	12,800 lb.
	9'								
	10'								
12"	8'	11 7/8"	10 3/4"	4 1/2"	3/4"	1"	10 1/2"	18,000 lb.	17,320 lb.
	9'								
	10'								
	12'								
	14'								
14"	8'	13 3/8"	12 3/4"	7"	1"	1 1/4"	12 1/2"	20,000 lb.	17,320 lb.
	9'								
	10'								
	12'								
	14'								
	16'								

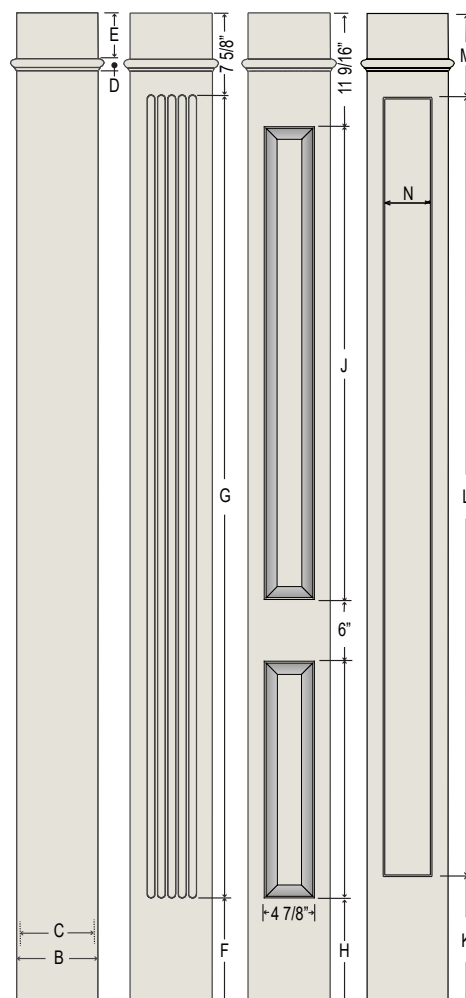
Fluted column (stock)				Raised panel columns		
Column nominal width	Shaft height	Bottom of shaft before flutes (F)	Flute length (G)	Bottom of shaft before panel (H)	Bottom panel height (I)	Top panel height (J)
8"	8'	10 15/16"	77 13/16"	9 5/8"	22 15/16"	45 7/8"
	9'	10 15/16"	89 13/16"	9 5/8"	26 15/16"	53 7/8"
	10'	22 15/16"	89 13/16"	21 5/8"	26 15/16"	53 7/8"

Recessed panel columns					
Column nominal width	Shaft height	Base to panel * (K)	Panel height (L)	Panel to top height (M)	Panel width (N)
8"	8'	11 3/8"	76 3/4"	7 5/8"	4 1/8"
	9'	11 3/8"	88 3/4"	7 5/8"	4 1/8"
	10'	11 3/8"	100 3/4"	7 5/8"	4 1/8"
10"	8'	14 1/2"	73 11/16"	8 3/16"	6 7/8"
	9'	14 1/2"	85 11/16"	8 3/16"	6 7/8"
	10'	14 1/2"	97 11/16"	8 3/16"	6 7/8"

* For 8" size, stock fluted shaft value is shown. Paneled and plain shafts are typically 1/2" to 1" greater.

† Neck Height is the distance from the top of the shaft to the top of the astragal ring (±1/8").

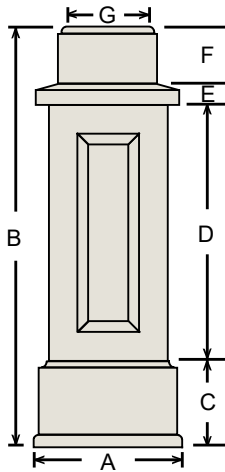
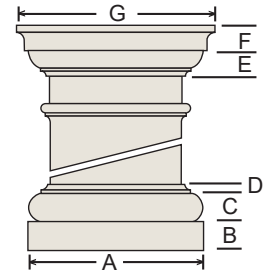
‡ Astragal ring is only the ring portion, and does not include the fillet and cove





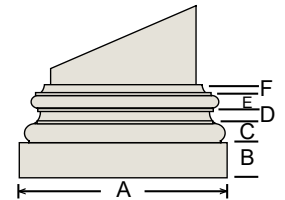
TUSCAN CAPS AND BASES

Column width	Tuscan Base					Tuscan Cap			
	Plinth		Torus		Total height (B-D)	Echinus (E)	Abacus		Total height (E-F)
	(A)	(B)	(C)	(D)			(F)	(G)	
6"	8"	1 1/2"	1 1/4"	1/2"	3 1/4"	1"	1 1/16"	8 7/16"	2 1/16"
8"	11 3/8"	1 7/8"	1 3/4"	5/8"	4 1/4"	1 5/16"	1 7/16"	11 1/4"	2 3/4"
10"	13 1/2"	2 3/8"	2 1/8"	3/4"	5 1/4"	1 13/16"	1 3/4"	13 1/4"	3 9/16"
12"	17"	2 3/4"	2 3/8"	7/8"	6"	1 7/8"	2"	17 1/4"	3 7/8"
14"	18 13/16"	3 3/8"	2 15/16"	1 1/16"	7 3/8"	2 1/2"	2 5/16"	18 11/16"	4 13/16"



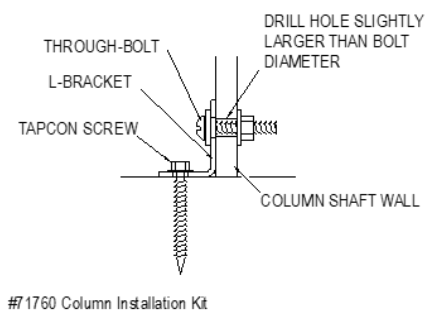
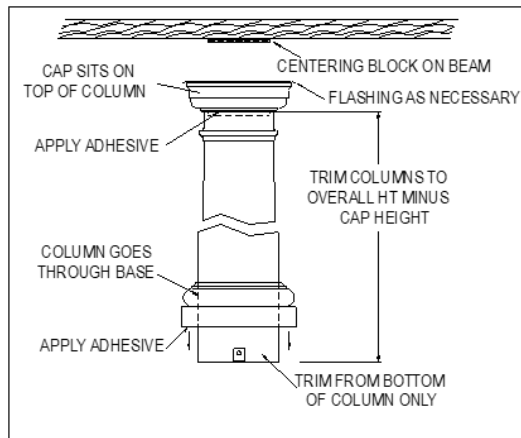
OPTIONAL ATTIC BASES

Column width	Plinth		Torus				Total height (B-F)
	(A)	(B)	(C)	(D)	(E)	(F)	
6"	8"	1"	3/4"	3/4"	1/2"	1/2"	3 1/2"
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"	17"	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 5/8"	1 1/4"	11/16"	8 5/8"



PEDESTAL BASE

Column width	Bottom width	Total height	Bottom	Center	Platform	Top	Top width
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
8"	15"	42 3/8"	8 11/16"	25 1/8"	2 1/8"	5 11/16"	8 1/4"



#1760 Column Installation Kit

Ornamental Capitals are not available for Non-Tapered Square Columns