

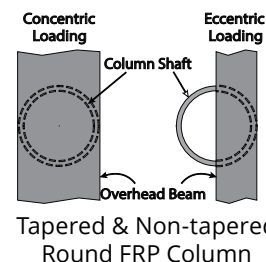
Available fluted and unfluted in a wide range of sizes. Flutes in most 8", 10", and 12" diameter tapered shafts are molded right into the shaft, providing consistent Ionic fluting. All sizes can also be custom-fluted for specific opening heights, and adjusted for the cap and base chosen. When shafts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

Tapered Round FRP Shafts Available Heights and Load Capacities														Concentric Load *	Eccentric Load *
Column Bottom Diameter ±	5'	6'	8'	9'	10'	12'	14'	16'	18'	20'	22'	24'			
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® FRP Columns are available with custom fluting.

√ Available unfluted.

- Available with standard flutes.



± 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

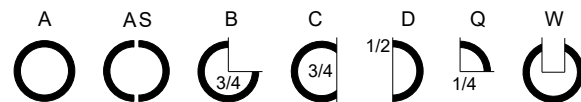
Poly-Classic® FRP Columns were the first fiberglass-reinforced polymer columns to achieve the distinction of passing an industry test (ASTME, 84-01) that measures the flame spread and smoke development of building components in a fire.

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® FRP 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.)



TIMESAVER CAP AND BASE

New to the Turncraft product line, our 8" Square TimeSaver Cap and Base employs the same Quick-Fit installation pressure tabs as our round 8", 10", and 12" TimeSaver products. Our TimeSaver cap and base offers the easiest and quickest installation in the industry.

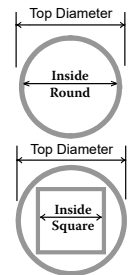


- Made out of fiber-reinforced recycled ABS (acrylonitrile butadiene styrene)
- Designed for use on round FRP columns in 8", 10", and 12" sizes
- Made with 95% recycled material
- Extremely strong and durable
- Self aligning with no fasteners
- Excellent paint adhesion
- Fast installation

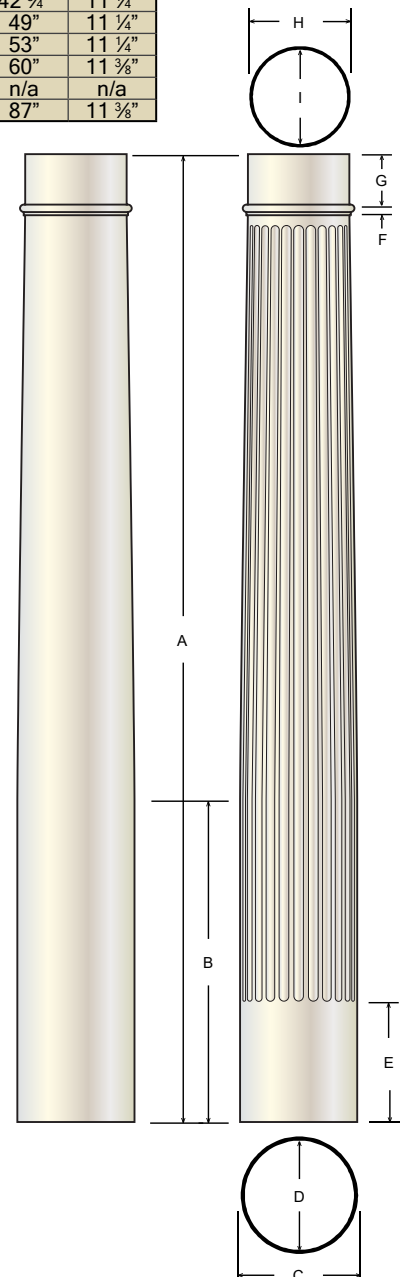


Poly-Classic® FRP Tapered Round Shaft Specifications

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"		
	9'										62 1/16"		
10"	10'	9 11/16"	8 3/8"	8 9/16"	7 3/4"	7 3/8"	4 15/16"	5 1/8"	3/4"	7/8"	72 1/16"	65"	9 3/4"
	11'										0		
	12'										0		
	13'										10 1/16"		
	14'										34 1/16"		
12"	15'	11 5/8"	10 3/4"	10 1/16"	9 1/4"	8 7/8"	6"	4 3/4"	3/4"	1"	46 1/16"	56"	10 1/4"
	16'										58 1/16"		
	17'										82 1/16"		
	18'										0		
	19'										8 3/4"		
	20'										32 3/4"		
	21'										44 3/4"		
	22'										56 3/4"		
14"	23'	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"	80 3/4"	60"	11 3/8"
	24'										62"		
	25'										86"		
	26'										0		
	27'										33 1/4"		
	28'										45 1/4"		
	29'										57 1/4"		
	30'										81 1/4"		
	31'										57 1/4"		
	32'										81 1/4"		
16"	33'	15 7/16"	13 1/2"	13 1/8"	12"	11 5/8"	7 7/16"	7 3/8"	1"	1 1/16"	105 1/4"	89"	10 1/2"
	34'										0		
	35'										16 1/4"		
	36'										28 1/4"		
	37'										18 1/2"		
	38'										30 1/2"		
	39'										42 1/2"		
	40'										66 1/2"		
	41'										27 1/4"		
	42'										51 1/4"		
18"	43'	17 3/8"	15"	14 5/16"	12 3/4"	12 3/8"	8 5/16"	7 7/8"	1"	1 1/2"	75 1/4"	60"	11 3/8"
	44'										99 1/4"		
	45'										13 3/8"		
	46'										25 3/8"		
	47'										37 3/8"		
	48'										61 3/8"		
	49'										85 3/8"		
	50'										26 1/8"		
	51'										50 1/8"		
	52'										74 1/8"		
20"	53'	19 3/8"	18"	16 5/16"	14 7/8"	14 1/2"	10"	9 3/16"	1 3/8"	1 11/16"	98 1/8"	60"	11 3/8"
	54'										122 1/8"		
	55'										0		
	56'										22 1/4"		
	57'										46 1/4"		
	58'										70 1/4"		
	59'										40 3/8"		
	60'										64 3/8"		
24"	61'	23 3/8"	22"	19 5/16"	18"	17 5/8"	12 3/16"	12"	1 5/8"	2 1/8"	88 3/8"	60"	11 3/8"
	62'										112 3/8"		
	63'										8"		
	64'										32"		
	65'										56"		
	66'										24 13/16"		
	67'										48 13/16"		
	68'										72 13/16"		
24"	69'	23 3/8"	22"	19 5/16"	18"	17 5/8"	12 3/16"	12"	1 5/8"	2 1/8"	96 13/16"	60"	11 3/8"
	70'										120 13/16"		
	71'										144 13/16"		
	72'										0		



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, $\pm 1/8"$.

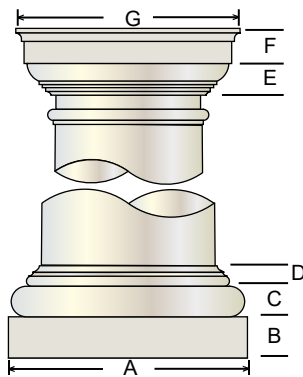
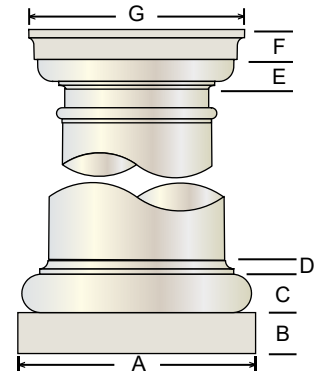
‡ Astragal ring is only the ring portion, and does not include the fillet and cove.

All caps, bases, and ornamental capitals are manufactured of low-maintenance materials. Materials for caps and bases will vary based on size and style. Standard Tuscan caps and bases for our 8", 10", and 12" diameter round tapered columns are our new TimeSaver ABS (recycled ABS with fiberglass reinforcement). Since these are molded products, specifications shown are $\pm 1/8"$, and subject to change without notice.

TUSCAN CAPS AND BASES

Column diameter	Tuscan Base					Tuscan Cap				Materials available †
	Plinth		Torus		Total height	Echinus	Abacus		Total height	
	(A)	(B)	(C)	(D)	(B-D)		(F)	(G)	(E-F)	
6"	8"	1 ½"	1 ¼"	½"	3 ¼"	1"	1 ⅙"	7 ½"	2 ⅙"	P, D
8"	10 ⅞"	1 ⅞"	1 ¾"	⅝"	4 ¼"	1 ⅙"	1 ⅜"	9 ⅞"	2 ⅙"	A, F, D, P
10"	13 ½"	2 ⅜"	2 ⅙"	¾"	5 ¼"	1 ⅜"	1 ¾"	12 ⅙"	3 ⅙"	A, F, D, P
12"	16 ¼"	2 ¾"	2 ⅜"	⅞"	6"	1 ⅞"	2"	14 ⅝"	3 ⅞"	A, F, D, P
14"	18 ⅝"	3 ⅙"	3"	1"	7 ⅙"	2 ½"	2 ⅝"	17"	4 ⅙"	P, D
16"	21 ⅙"	3 ⅞"	3 ⅜"	1 ⅙"	8 ⅙"	2 ¾"	2 ⅙"	19 ⅙"	5 ⅙"	P, D
18"	24"	4 ⅜"	4"	1 ⅜"	9 ⅙"	3"	2 ⅙"	21 ⅙"	5 ⅙"	P, D
20"	27"	4 ¾"	4 ⅙"	1 ¾"	10 ⅙"	3 ⅙"	3 ⅙"	24 ¼"	6 ⅙"	P, D
24"	32 ½"	5 ¾"	5 ¼"	2 ¼"	13 ¼"	3 ⅙"	4 ⅙"	28 ¾"	7 ⅙"	P, D

† A-ABS TimeSaver, F-FRP, D-DuraStone™, P-Polyurethane cap with FRP base; standard material is underlined



ROMAN DORIC CAPS

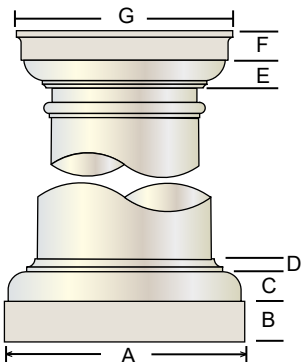
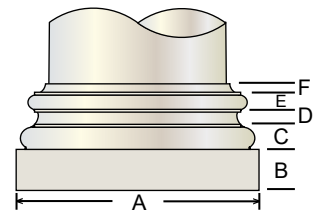
Column diameter	Roman Doric Base †					Roman Doric Cap †			
	Plinth		Torus		Total height	Echinus	Abacus		Total height
	(A)	(B)	(C)	(D)	B-D	(E)	(F)	(G)	(E-F)
6"	7 31⁄32"	1 1⁄2"	1"	3⁄4"	3 1⁄4"	1"	1 1⁄4"	8"	2 1⁄4"
8"	10 7⁄8"	1 7⁄8"	1 1⁄16"	15⁄16"	4 1⁄4"	1 1⁄16"	1 1⁄2"	10 1⁄4"	2 15⁄16"
10"	13 1⁄2"	2 3⁄8"	1 3⁄4"	1 1⁄4"	5 3⁄8"	1 7⁄8"	1 3⁄4"	13"	3 5⁄8"
12"	16 1⁄8"	2 3⁄4"	2 1⁄16"	1 3⁄8"	6 3⁄16"	2 1⁄8"	2 3⁄8"	15 1⁄8"	4 1⁄2"
14"	18 3⁄4"	3 3⁄8"	2 3⁄8"	1 5⁄8"	7 3⁄8"	2 11⁄16"	2 3⁄4"	17 13⁄16"	5 9⁄16"
16"	21 1⁄2"	3 7⁄8"	2 7⁄8"	2"	8 3⁄4"	3 3⁄16"	3 1⁄8"	20 5⁄16"	6 5⁄16"
18"	24"	4 1⁄8"	3 5⁄16"	2 3⁄8"	9 13⁄16"	3 1⁄2"	3 9⁄16"	22 7⁄16"	7 1⁄16"

† Bases are FRP, caps are polyurethane. Only the bases are available in DuraStone™-not the caps.

OPTIONAL ATTIC BASES

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 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 5/8"	1 1/4"	11/16"	8 21/32"
16"	21 3/16"	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 1/16"	13"
24"	32 1/2"	5 3/4"	3 5/16"	2 13/16"	2 1/8"	1 3/4"	15 3/4"

Attic bases are FRP. Also available in DuraStone™.



BUILDERS SERIES CAPS AND BASES

Column diameter	Builders Series Base †					Builders Series Cap †				
	Plinth		Torus		Total height	Echinus	Abacus		Total height	
	(A)	(B)	(C)	(D)	(B-D)	(E)	(F)	(G)	(E-F)	
8"	10 7⁄8"	1 7⁄8"	1 1⁄4"	5⁄8"	3 3⁄4"	1 1⁄4"	1 1⁄4"	9 7⁄16"	2 1⁄2"	
10"	13 1⁄2"	2 3⁄8"	1 5⁄8"	9⁄16"	4 9⁄16"	1 13⁄16"	1 3⁄4"	12 3⁄16"	3 9⁄16"	
12"	16 1⁄4"	2 3⁄4"	2"	7⁄8"	5 5⁄8"	1 7⁄8"	2"	14 5⁄8"	3 7⁄8"	

† Cap and base are polystyrene (with foam core). Not available in DuraStone™.

CAPITALS FOR FRP ROUND TAPERED COLUMNS

Our standard round capitals install on top of the column and are set on the fillet or the neckring. Capitals are either load-bearing or will include a load-bearing plug.



Empire



Empire
with Neckring



Greek Angular
Ionic



Greek Erechtheum



Greek Erechtheum
with Neckring



Modern
Composite



Roman
Corinthian



Roman Doric
Ornamental



Roman Ionic



Scamozzi



Temple of Winds

Shaft nominal bottom diameter	Empire				Empire with Neckring				Greek Angular Ionic				Greek Erechtheum			
	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 1/8"	9"	8 3/4"	-1"	6 7/8"	9"	8 3/4"	+3 1/4"	3 5/8"	9 1/4"	9"	-1/2"	3 1/4"	6 3/4"	8 1/2"	-7/8"
8"	3 3/4"	10"	9"	-1"	7 3/4"	10"	9"	+3 1/2"	3 3/4"	9 1/2"	9"	-1"	3 3/4"	7 3/4"	11 3/4"	-1"
10"	5 1/2"	16"	13 1/2"	-3/8"	10"	13 1/2"	12 1/4"	+4 7/8"	5 3/8"	14 1/4"	13 1/4"	-1/2"	5 1/2"	12"	17 1/2"	-3/8"
12"	6 1/4"	18"	17"	+3/4"	11"	18"	17"	+6 1/4"	6"	17 1/4"	17"	+1/2"	6 1/4"	14 1/2"	21"	+3/4"
14"	7 1/4"	20 1/4"	19 1/2"	-3/4"	14 1/2"	20 1/2"	19 1/2"	+7 1/2"	7 1/4"	20 3/4"	19 1/4"	-3/4"	7"	15"	21"	-1"
16"	8 3/4"	23"	19 1/2"	+5/8"	17"	23"	19 1/2"	+9 7/8"	8 3/8"	20 1/2"	19 1/2"	+1/4"	9"	17 1/2"	26"	+7/8"
18"	10"	30 3/4"	26 1/4"	+3/4"	15"	32"	26 1/4"	+6 3/4"	9 3/4"	24 1/4"	19 3/4"	+1/2"	10 1/2"	22"	29"	+1 1/4"
20"	11 1/4"	34"	28"	+1 1/8"	17 1/4"	34"	28"	+8 1/2"	11"	29 3/4"	28"	+7/8"	11"	26"	36"	+7/8"
24"	12 3/4"	35 1/2"	35"	-1 1/8"	19"	35 1/2"	35"	+6 3/4"	12 3/4"	35"	34 1/2"	-1 1/8"	13"	30 1/2"	43"	-7/8"
30"	n/a				n/a				n/a				15"	31"	45 1/2"	TBD

Shaft nominal bottom diameter	Greek Erechtheum with Neckring				Modern Composite			Roman Corinthian			Roman Doric Ornamental			
	Capital Height	Abacus width	Scroll width	Height adjust *	Capital height	Abacus width	Height adjust *	Capital height	Abacus width	Height adjust *	Capital height	Abacus width	Scroll width	Height adjust *
6"	5 3/4"	7 3/4"	11 3/4"	+2 1/8"	7"	8"	+3 3/8"	7"	9 1/2"	+3 3/8"	4"	8 3/4"	n/a	+1/8"
8"	7 1/2"	10 1/2"	15"	+3 1/4"	8 1/2"	10 3/4"	+4 1/4"	10 1/4"	12 3/4"	+6"	6"	13 1/8"	n/a	+1 1/4"
10"	8 1/2"	12"	17 1/4"	+3 3/8"	12 1/4"	16 1/2"	+7 1/8"	13 1/8"	17 3/4"	+8 3/4"	7"	16 1/4"	n/a	+1 1/8"
12"	9 1/2"	14 1/2"	21"	+4 3/4"	14 1/2"	19"	+9 3/4"	15 1/2"	18 1/2"	+10 3/4"	7"	16 1/4"	n/a	+1 1/2"
14"	11 1/4"	15"	21"	+4 1/4"	17"	20"	+10"	17"	22"	+10"	9"	21"	n/a	+1 1/4"
16"	13 1/2"	17 1/2"	26"	+6 3/8"	n/a			20"	27"	+12 7/8"	10 1/2"	24"	n/a	+2 1/8"
18"	15"	22 1/2"	29"	+6 3/4"	22 1/2"	25"	+14 1/4"	23"	32 1/2"	+14 3/4"	12 1/2"	28"	n/a	+3 5/8"
20"	17"	26"	36"	+8 1/4"	22 1/2"	25"	+13 3/4"	24 3/4"	38 1/2"	+16"	12 1/2"	28"	24"	+2 3/8"
24"	19"	30 1/2"	43"	+6 3/4"	n/a			27 3/4"	42"	+15 1/2"	n/a			
30"	24 3/4"	31"	45 1/2"	TBD	n/a			37 1/2"	46 1/2"	n/a	n/a			

Shaft nominal bottom diameter	Roman Ionic				Scamozzi				Temple of Winds		
	Capital height	Abacus width	Scroll width	Height adjust *	Capital height	Abacus width	Scroll width	Height adjust *	Capital height	Abacus width	Height adjust *
6"	2 1/4"	6 1/8"	8 1/16"	-1 7/8"	2 5/8"	7 3/4"	6 1/4"	-1 1/2"	7"	8"	+3 3/8"
8"	3"	8 1/4"	10 1/2"	-1 3/4"	3"	10 1/4"	9"	-1 3/4"	8"	12"	+3 3/4"
10"	3 5/8"	11"	13 5/8"	-2 1/4"	3 7/8"	14 1/2"	12 1/2"	-2"	11 1/8"	15 1/4"	+6"
12"	4 1/2"	12 1/2"	16 1/2"	-1"	4 7/8"	16 3/4"	14"	-5/8"	13 3/4"	17"	+9"
14"	5 1/2"	17 1/2"	23"	-2 1/2"	5 1/2"	19"	16 3/4"	-2 1/2"	14"	21 1/4"	+7"
16"	6 1/8"	17 1/2"	22"	-2"	6 1/4"	22 1/4"	18 1/2"	-1 7/8"	16"	23"	+8 7/8"
18"	6 1/2"	20"	24 1/4"	-2 3/4"	7"	23 1/2"	23"	-2 1/4"	18 1/8"	26 3/4"	+9 7/8"
20"	8 3/4"	25"	31 3/4"	-1 3/8"	8 3/4"	26"	21 1/2"	-1 3/8"	21 3/8"	28 3/8"	+12 5/8"
24"	9"	25 1/4"	33"	-4 7/8"	10 1/4"	34 1/4"	29 1/2"	-3 5/8"	26"	30 7/8"	+13 3/4"
30"	12 1/2"	32"	40 1/2"	TBD	12 3/4"	39"	33"	TBD	30"	39"	n/a

For Empire with Neckring, Greek Erechtheum with Neckring, Modern Composite, Roman Corinthian, and Temple of Winds capitals, trim at this point:

For all other capital styles, trim at this point:

* "Height adjust" column is the adjustment to overall height when using this capital on a column trimmed for architecturally correct installation. Highlighted sizes are not load bearing and will require a plug. Height shown does not include plug.

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® FRP Columns are available with custom fluting.

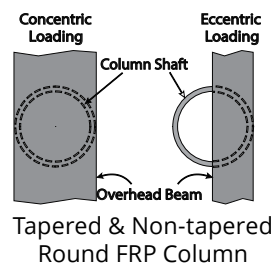
√ Available unfluted.

FLAME GUARD

Poly-Classic® FRP 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.

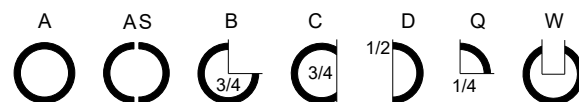
Turncraft Poly-Classic® FRP Columns with Flame Guard set a new industry standard:		
	Flame Spread Index (FSI)	Smoke Developed Index (SDI)
Industry Standard for FRP Columns	70-85	900-1025
Turncraft Poly-Classic® Columns	15*	335**

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



PLAN TYPES

Poly-Classic® FRP 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.)

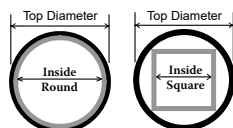


POLY-CLASSIC® SHAFTS FOR ROUND NON-TAPERED FRP COLUMNS

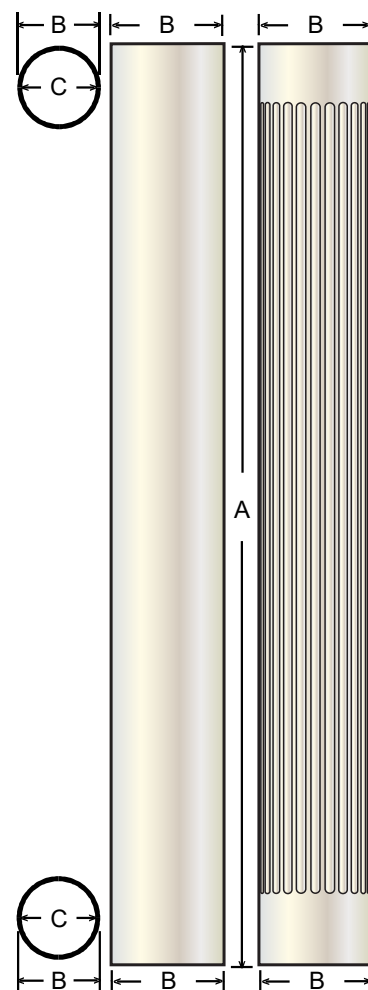
Standard FRP column shafts are the same height as the listed size. Tuscan caps and bases and Attic bases go around the shaft, and do not affect the overall height. Ornamental capitals are not typically available for non-tapered round shafts.

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'	11 5/8"	10 3/4"	10 3/8"	7 5/16"	1"	18,000 lb.	13,200 lb.
	10'							
	12'							
14"	8'	13 1/2"	11 1/2"	11 1/8"	7 7/8"	1 5/16"	20,000 lb.	11,520 lb.
	10'							
	12'							
16"	8'	15 1/16"	13 1/2"	13"	9 3/16"	1 1/2"	20,000 lb.	13,200 lb.
	10'							
18"	8'	17 3/8"	15"	14 1/2"	10 1/4"	1 11/16"	20,000 lb.	9,040 lb.
	10'							
20"	8'	19 3/8"	18"	16 1/2"	11 5/8"	1 7/8"	20,000 lb.	18,960 lb.
	10'							
	11'							
24"	8'	23 3/8"	21 1/4" (top ID)	19 1/2"	13 3/4"	2 5/16"	20,000 lb.	13,200 lb.
	10'							
	12'							
	14'							

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



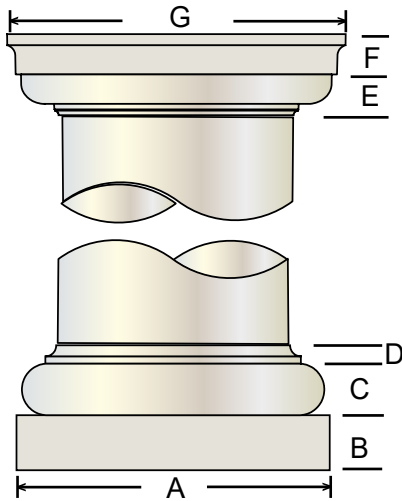
The "Space Available Inside Shaft" measurements are calculated at the top inside diameter (with $\pm 3/8"$ tolerance) when using Tuscan or Roman Doric caps. Fluted columns may have reduced tolerances.



TUSCAN CAPS AND BASES

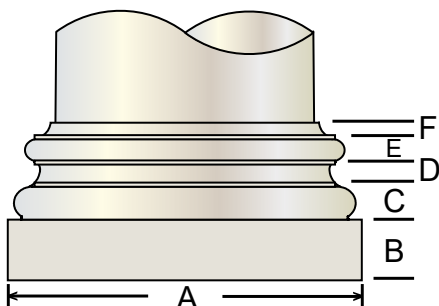
Column diameter	Tuscan Base					Tuscan Cap				
	Plinth		Torus		Total height (B-D)	Materials available *	Echinus	Abacus		Total height
	(A)	(B)	(C)	(D)			(E)	(F)	(G)	(E-F)
8"	10 7/8"	1 1/8"	1 3/4"	5/8"	4 1/4"	<u>A</u> , F	1 13/16"	1 3/4"	12 1/8"	3 9/16"
10"	13 1/2"	2 3/8"	2 1/8"	3/4"	5 1/4"	<u>A</u> ,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

* A-ABS, F-FRP, D-DuraStone™, P-Polyurethane; standard material is underlined.



OPTIONAL ATTIC BASES

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



Non-Tapered Square Shafts Available Heights and Load Capacities								
Column Bottom Width	8'	9'	10'	12'	14'	16'	Concentric Load *	Eccentric Load *
6"	√		√				6,000 lb.	6,000 lb.
8"	√●△◇	√●△	√●△◇				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® FRP Columns are available with custom fluting.
 √ Available unfluted.

● Available with standard flutes.

△ Available raised panel.

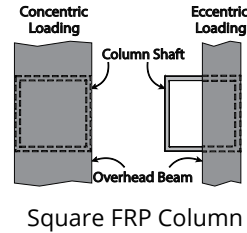
◇ Available with recessed panel.

FLAME GUARD

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



PLAN TYPES

Poly-Classic® FRP 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.)



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 *
6"	8'	5 7/8"	4 3/4"	3 5/8"	3/4"	1/2"	4 1/2"
	10'						
8"	8'	7 7/8"	5 3/4"	4 1/2"	3/4"	1 1/16"	5 1/2"
	10'						
10"	8'	9 7/8"	8 3/4"	5 1/16"	3/4"	7/8"	8 1/2"
	10'						
12"	12'	11 7/8"	10 3/4"	4 1/2"	3/4"	1"	10 1/2"
	8'						
	9'						
	10'						
	14'						
14"	16'	13 7/8"	12 3/4"	7"	1"	1 1/4"	12 1/2"
	8'						
	9'						
	10'						
	14'						

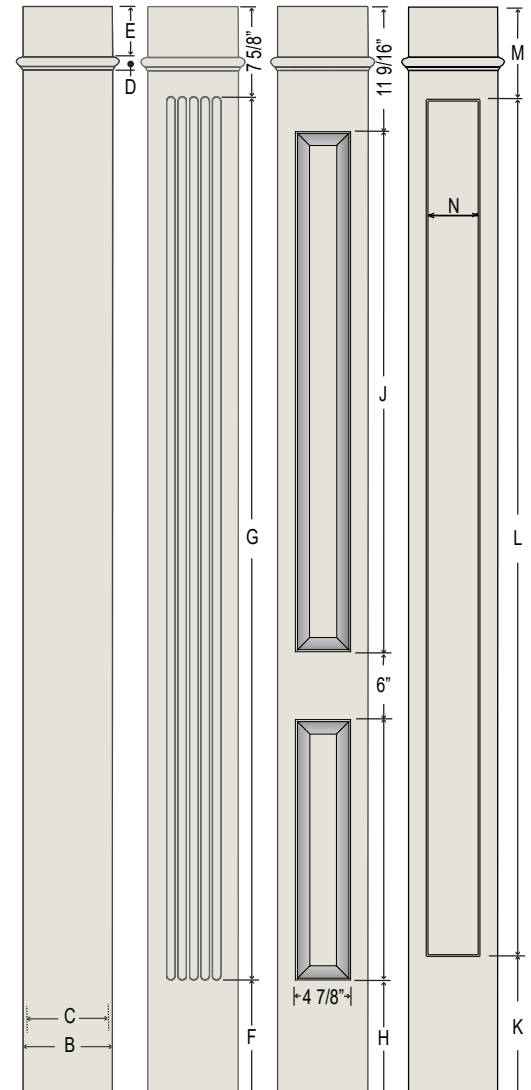
Fluted column (stock)				Raised panel columns		
Column nominal width	Shaft height	Bottom of shaft before flutes (F)	Flute length (G)	Bottom of shaft before panel (H)	Bottom panel height (I)	Top panel height (J)
8"	8'	10 15/16"	77 13/16"	9 5/8"	22 15/16"	45 7/8"
	9'	10 15/16"	89 13/16"	9 5/8"	26 15/16"	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 7/8"
	9'	11 3/8"	88 3/4"	7 5/8"	4 7/8"
	10'	11 3/8"	100 3/4"	7 5/8"	4 7/8"
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").

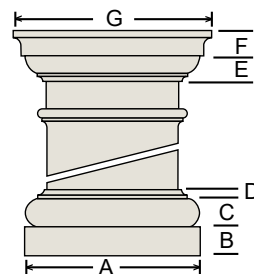
‡ Astragal ring is only the ring portion, and does not include the fillet and cove



TUSCAN CAPS AND BASES

Column width	Tuscan Base *					Tuscan Cap *				
	Plinth		Torus		Total height	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"	8 3/16"	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"	

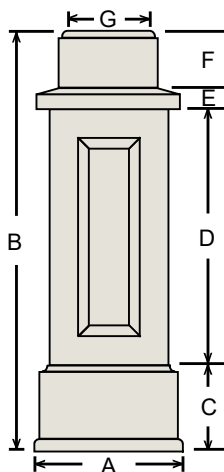
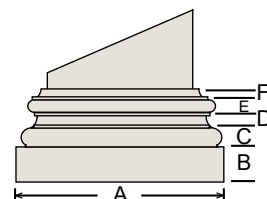
* 14" bases are FRP, other cap and base are polyurethane. Also available in DuraStone™.



OPTIONAL ATTIC BASES

Column width	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 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"

Attic bases are FRP.



PEDESTAL BASE FOR SQUARE FRP COLUMNS

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 7/8"	2 1/8"	5 11/16"	8 1/4"

* Pedestal bases are FRP. Also available in DuraStone™. Use with Tuscan cap (above) or Ornamental Capitals.

Square Capitals install on top of the column and are set on the fillet or the neckring. All of these capitals are structural and will meet the columns' stated load capacities when properly installed.



Empire



Empire with Necking



Greek Angular Ionic



Greek Erectheum



Greek Erectheum with Necking



Modern Composite



Roman Corinthian



Roman Doric Ornamental



Roman Ionic



Scamozzi



Temple of Winds

Shaft nominal bottom diameter	Empire				Empire with Necking				Greek Angular Ionic				Greek Erectheum				Greek Erectheum with Necking			
	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	Capital height	Abacus width	Scroll width	Height adjust
6"	n/a				7 3/4"	10"	9"	+4 1/8"	n/a				3 3/4"	7 3/4"	11 3/4"	-1/8"	5 3/4"	7 3/4"	11 3/4"	+2 1/8"
8"	5 1/4"	13 1/2"	12 1/4"	+1/8"	10"	13 1/2"	12 1/4"	+5 1/2"	5 1/8"	14 1/4"	13 3/4"	0"	5 1/4"	10 1/2"	15"	+1/8"	7 1/2"	10 1/2"	15"	+3"
10"	6 1/4"	18"	17"	+3/8"	11"	18"	17"	+5 15/16"	6"	17 1/4"	17"	+1/8"	6 1/4"	14 1/2"	21"	+3/8"	9 1/2"	14 1/2"	21"	+4 7/16"
12"	7 1/4"	20 1/4"	19 1/2"	+1"	14 1/4"	20 1/2"	19 1/2"	+9 3/4"	7 1/4"	20 3/4"	19 1/4"	+1"	7"	15"	21"	+2 1/2"	11 1/4"	15"	21"	+6 3/4"
14"	8 3/4"	23"	19 1/2"	+1 1/16"	17"	23"	19 1/2"	+10"	8 3/8"	20 1/2"	19 1/2"	+5 1/16"	9"	17 1/2"	26"	+15 1/16"	13 1/2"	17 1/2"	26"	+6 1/2"

Shaft nominal bottom diameter	Modern Composite			Roman Corinthian			Roman Doric Ornamental			Roman Ionic				Scamozzi				Temple of Winds		
	Capital height	Abacus width	Height adjust	Capital height	Abacus width	Height adjust	Capital height	Abacus width	Height adjust	Capital height	Abacus width	Scroll width	Height adjust	Capital height	Abacus width	Scroll width	Height adjust	Capital height	Abacus width	Height adjust
6"	8 ½"	10 ¾"	+4 ⅞"	8 ½"	12"	+4 ⅞"	4 ½"	10 ½"	+⅝"	3"	8 ¼"	10 ½"	-⅞"	3"	10 ¼"	9"	-⅞"	7 ½"	10 ½"	+3 ⅞"
8"	11 ½"	16 ½"	+7"	11 ⅜"	15"	+6 ⅞"	6"	14 ¼"	+⅞"	4"	10 ¼"	13 ⅝"	-1 ⅛"	4 ¼"	14 ⅞"	13 ¾"	-⅞"	10 ⅜"	14"	+5 ⅞"
10"	14 ½"	19"	+9 ⅞"	14 ⅝"	18 ½"	+9 ⅞"	n/a			4 ⅝"	13"	16 ½"	-1 ¼"	4 ⅝"	16 ¾"	15 ¾"	-1 ¼"	13 ½"	16 ¾"	+8 ⅞"
12"	17"	20"	+12 ½"	17 ⅞"	22 ⅝"	+12 ⅝"	9"	21"	+2 ¾"	5 ½"	18 ¼"	24"	-¾"	5 ½"	21 ½"	21"	-¾"	16 ¼"	21 ⅝"	+11 ¾"
14"	22 ½"	25"	+15 ½"	20"	27"	+13"	10 ½"	24"	+2 ⅞"	n/a				6 ¼"	22 ¼"	18 ½"	-1 ⅜"	16"	23"	+9"

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