

Tuscan Bases are use in Classical Tuscan columns with both Fluted and Smooth Shafts, while Attic Bases are used with columns that have decorative capitals

Hardwood = Solid

Non Wood = Hollow

Column Shaft =>

Torus =>

Plinth =>



Replacement Issues:

You may need to replace a base and/or part of the column's shaft due to water or insect damage or just age. It is important that the plinth reside on a level surface be it concrete or a wood deck. The hardwood bases are subject to both fixed load from the column shaft and additional static loads from snow and ice. It is important that the base sit on a level surface. If the substrate is angled due to ground shifting or intent, it will put excessive pressure on one side of the wood plinth's staves which could result in cracking over time. If the plinth sits on concrete as per the national building code, there should be a sheet of poly between the wood (an acid) and the concrete (an alkaline). Wood always wants to be a tree again and absorbs the lime moisture from the concrete resulting in rotting over time. If the rot of the base has infected the column's shaft, we can make a portion of the shaft only without replacing the entire shaft. We suggest locating the rot extent line and replacing 1 foot more above that line. All wood bases should be treated with preservatives. White Oak is the wood of choice.



NON WOOD Tuscan Bases are made from molds and are hollow to wrap the column shaft or a load bearing plug that holds the weight of the shaft. There is customization available. All can be ordered split for wrap.

- a) ArchPolymer™ is a high density polyurethane lite weight rot water & insect resistant. Not Load Bearing, both Torus and Plinth are integrated
- b) GFRC-Zeament™ is the material of choice; a composite of Portland Cement & Polymers with a smooth finish. This is the superior replacement for commercial and high end residential projects. The Torus is hollow to wrap and the Plinth is solid to hold load. Both parts are separate.

HARDWOOD Tuscan Bases are custom made in 2 parts - the Round Torus and the Square Plinth. Wood allows for customization of every part. Like all hardwood architectural products, the Bases are made from solid wood staves joined with exterior grade glue. The wood staves are kiln dried as per the NHLA standards to 6 to 8% moisture content. Wood stave construction, used for 200 years, is far stronger than solid wood which ends up cracking. Select from 24 species. For exterior select White Pine, Cedar, Sapele or the material of choice is White Oak

All information is without prejudice and is intended to the benefit of the reader. For direct application of your situation, always consult a qualified structural engineer, architect or licenced contractor that adheres to local building codes and guidelines regarding loads. The following forms are the intellectual property of Imperial Productions and Distribution Inc copyright 2022 and intended for Imperial's clients use only.



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Custom Tuscan Base 2 Parts

Material Selection & Splitting

Non Wood Interior

A) GRG-NeoPlaster™ Interior New Age Plaster

Material Selection: Enter Letter _____

Non Wood Exterior

B) ArchPolymer™ Artificial Wood
Rot Water and Insect Resistant White Primed

Exterior Hardwoods:

E) White Oak F) White Pine G) Douglas Fir
H) Sapele i) Western Red Cedar

C) ArchPolymer™ Class A Fire Rated

D) GFRC-Zeament™ Portland Cement Composite
with Polymers - smooth Finish

Interior Hardwoods:

J) Red Oak K) Cherry L) Alder M) Maple
N) Mahogany Other: _____

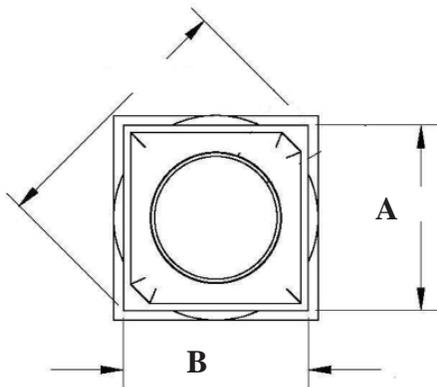
Larger sizes have separate Torus & Plinth



EXISTING Column Shaft Bottom circumference that touches the top of the base
The easiest way to measure any round portion is to take a string tape it to one end and go around the circle. The length of the string is the circumference

Column Bottom Shaft Circumference = _____ (SC)

To get the Diameter => (SC) / Pi (3.14) = Diameter _____ (SD)



A) Plinth Depth _____

B) Plinth Width _____

C) Height of Round Torus _____

H) For Non Wood: Hole Size _____



of Whole Bases _____

A) # of Split in Half (Middle) _____

B) # of Split on Diagonal _____

B1) # of Engaged _____

of Engaged B2) _____

C) # of Wedged _____



<= Diagonal Split



A



B1



B2



C

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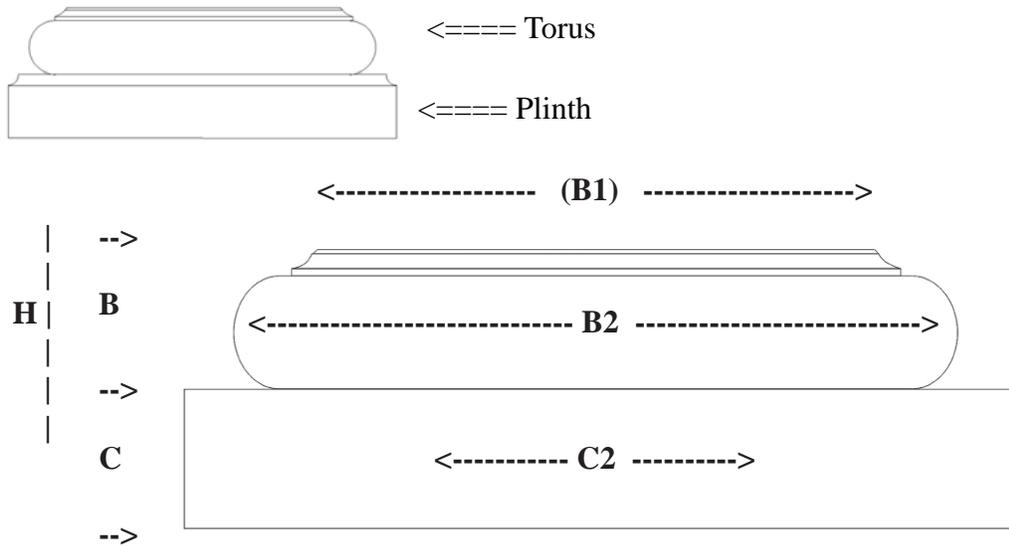
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Custom Tuscan Base Torus & Plinth

Micro Details



ROUND TORUS

B1) Top Flat of Torus (where the column shaft sits on) should be 1/2" wider than the column Bottom (SD)

Column Shaft Bottom (SD) + 1/2 inch = B1 _____ (Top Flat of Torus) 1/4" per side

B) Round Torus Height _____

B2) Round Torus Body: Circumference _____ = Diameter _____

SQUARE PLINTH

C) Square Height _____

C2) Square Width _____ Square Depth _____

D) 3/4" Cove or No Cove _____



<= Cove

GFRC Zeament
Portland Cement Frame with
hollow center



H) Total height of all the parts: _____

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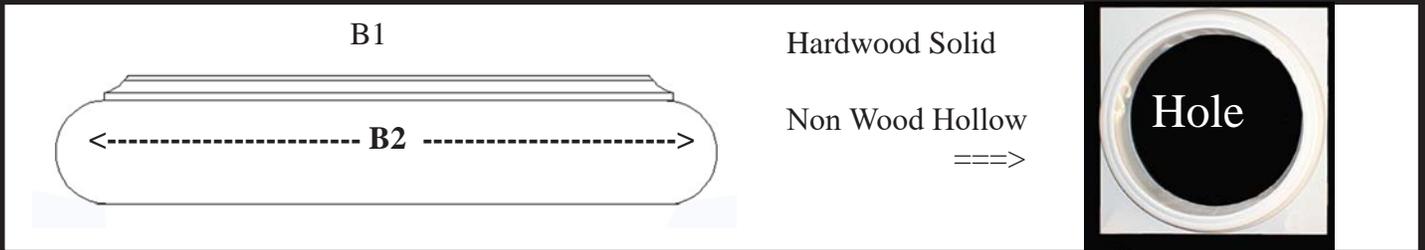
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Custom Tuscan Base Round Torus Only



EXISTING Column Shaft Bottom circumference that touches the top of the base
 The easiest way to measure any round portion is to take a string tape it to one end and go around the circle.
 The length of the string is the circumference

Column Bottom Shaft Circumference = _____ (SC)

To get the Diameter => (SC) / Pi (3.14) = Diameter _____ (SD)

TORUS (Round Turned Part)

B1) Top Flat of Torus (where the column shaft sits on) should be 1/2" wider than the column Bottom (SD)

Column Shaft Bottom (SD) + 1/2 inch = B1 _____ (Top Flat of Torus) 1/4" per side

B) Torus Height _____ B2) Torus Body: Circumference _____ = Diameter _____

Materials: Enter Letter _____

Non Wood

- A) ArchPolymer™ Artificial Wood
Rot Water and Insect Resistant White Primed
- B) ArchPolymer™ Class A Fire Rated
- D) GFRC-Zeament™ Portland Cement Composite
with Polymers - smooth Finish
Larger sizes have separate Torus & Plinth

Exterior Hardwoods:

- E) White Oak F) White Pine G) Douglas Fir
- H) Sapele i) Western Red Cedar

Interior Hardwoods:

- J) Red Oak K) Cherry L) Alder M) Maple
- N) Mahogany Other: _____

of Whole Round Torus _____

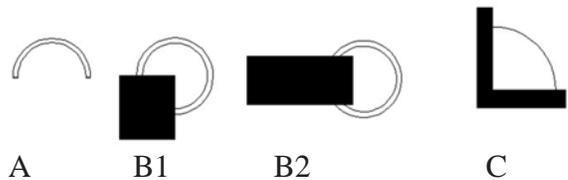
A1) # of Split in Half Middle _____

A2) # Split on Diagonal _____

B1) # of Engaged _____

B2) # of Engaged _____

C) # of Wedged _____



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Custom Tuscan Base Square Plinth Only

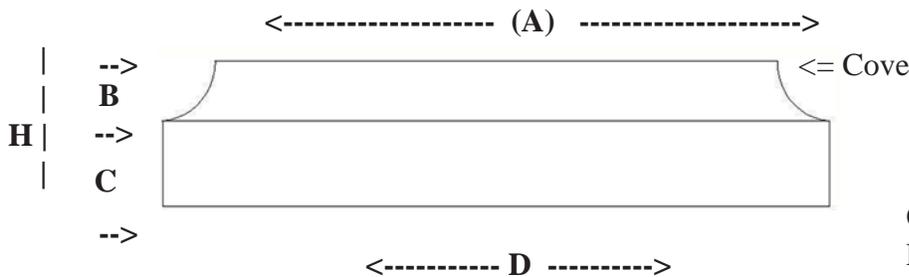
A) Top Flat A) Width _____ Depth _____

D) Bottom Square Width _____ Depth _____

3/4" Cove or No Cove _____ H) Total height : _____

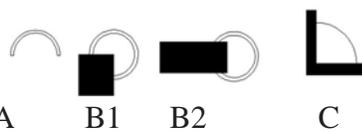
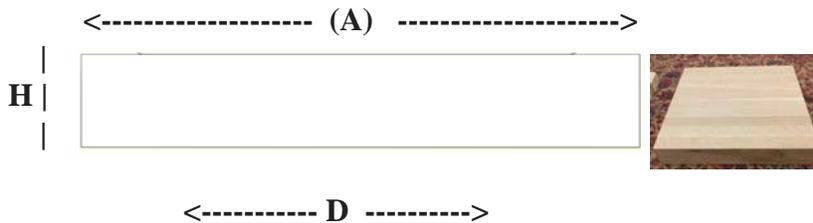


Option 1) Hardwood Tuscan Base Square with Bevel



Option 3) GFRC Zeament
Portland Cement Frame with
hollow center

Option 2) Hardwood Tuscan Base Square No Cove



of Whole Plinths _____

A) # of Split in Half _____

B1) # of Engaged _____

B2) # of Engaged B2) _____

C) # of Wedged _____

Materials: Enter Letter _____

Non Wood

A) GFRC-Zeament™ Portland Cement Composite
with Polymers - smooth Finish

Larger sizes have separate Torus & Plinth

Exterior Hardwoods:

E) White Oak F) White Pine G) Douglas Fir
H) Sapele i) Western Red Cedar

Interior Hardwoods:

J) Red Oak K) Cherry L) Alder M) Maple
N) Mahogany Other: _____

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Billing Address _____

City _____ State / Prov _____

ZIP / PCode _____

Ship to Address _____

City _____ State / Prov _____

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Notes: _____



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