

Ip Tuscan Base Replacement Hardwood

Tuscan Bases are used in Classical Tuscan columns with both Fluted and Smooth Shafts, while Attic Bases are used with columns that have the following Stylized Capitals: Doric, Roman Ionic, Scamozzi, Composite, Roman Corinthian, Temple or Tower of the Winds.

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 visit Imperialcolumns.com

HARDWOOD is the material of choice for customization and Green Purchasing. 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.

Interior Hardwoods SapMaple, Paint Grade Maple, Red Oak, White Oak, Cherry, Alder, Poplar, Walnut, African Mahogany, Ash, Beech, Yellow Pine - Specify More

Exterior Hardwoods White Oak, Pine, Western Red Cedar, Fir, or Sapele

White Oak is the hardest and water resistant. In the past ship builders of Clipper Ships used White Oak for the hulls.

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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JUL-26



Custom Tuscan Base Torus & Plinth

Solid Hardwood Staves

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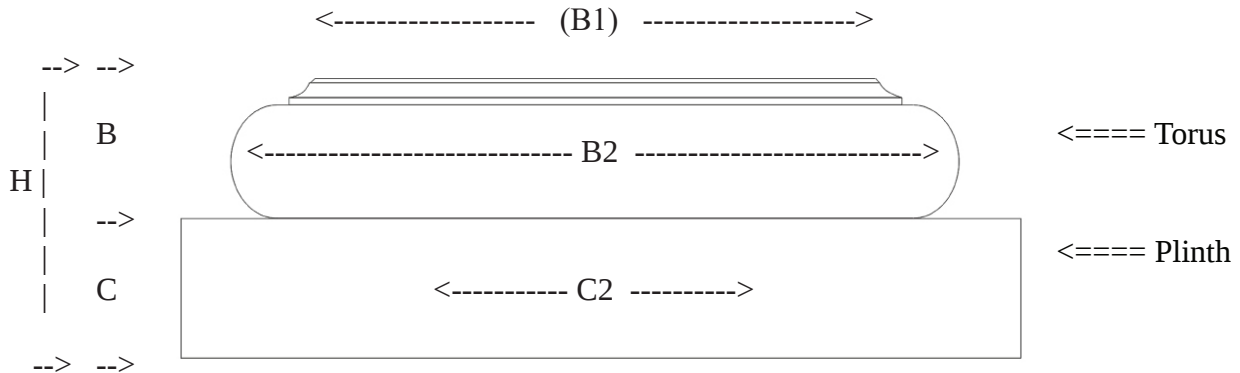


EXISTING Column Shaft Bottom circumference that touches the top of the base
The easiest way to measure any round portion is to take a string tape it to one end and go around the circle. The length of the string is the circumference

=SC

Column Bottom Shaft Circumference = _____ (SC)

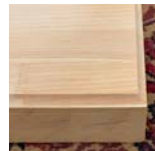
To get the Diameter => (SC) / Pi (3.14) = Diameter _____ (SD)



HARDWOOD _____

Exterior White Oak (Hardest)

White Pine / Western Red Cedar / Sapele



3/4" Cove=>



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 _____

PLINTH C) Square Height _____ C2) Square Width _____ Square Depth _____

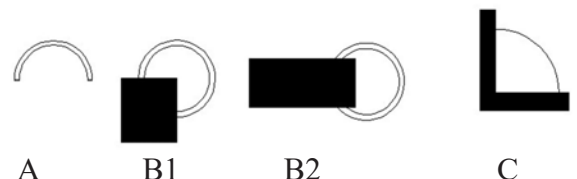
D) 3/4" Cove or No Cove _____ H) Total height of all the parts: _____

of Whole Bases _____

A) # of Split in Half _____

B1) # of Engaged _____ B2) _____

C) # of Wedged _____



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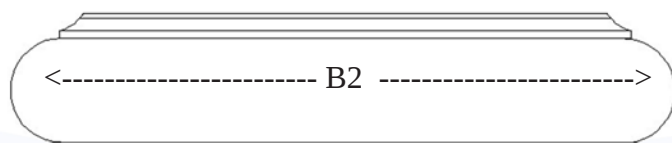
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Custom Tuscan Base Hardwood Round Torus Only

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B1



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 _____

Hardwood

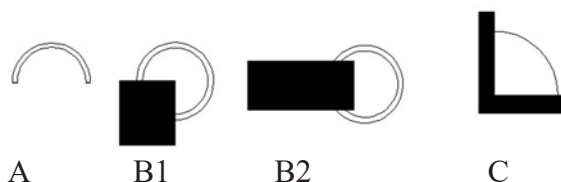
Enter the Species _____

of Whole Bases _____

A) # of Split in Half _____

B1) # of Engaged _____ # of Engaged B2) _____

C) # of Wedged _____



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Custom Tuscan Base Hardwood Plinth Only

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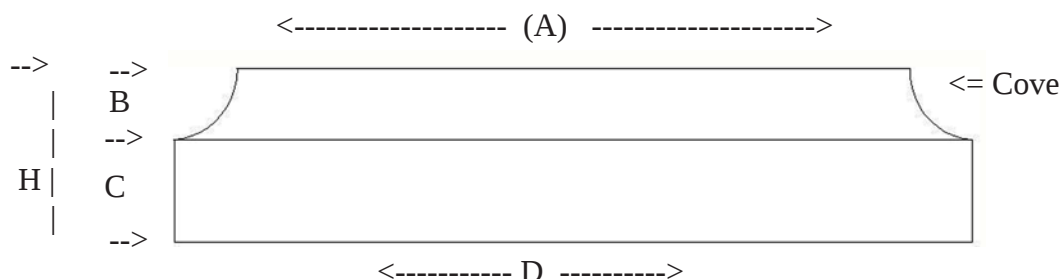
A) Top Flat A) Width _____ Depth _____

D) Bottom Square Width _____ Depth _____

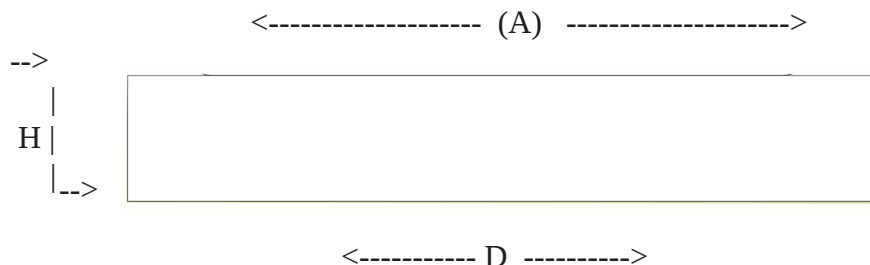
3/4" Cove or No Cove _____ H) Total height : _____



Drawing 1) Tuscan Base Square with Bevel



Drawing 2) Tuscan Base Square No Bevel



of Whole Plinths _____

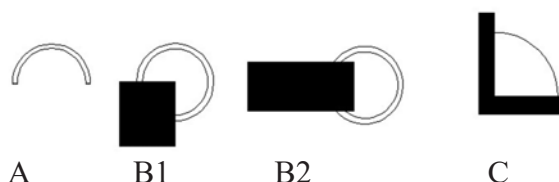
A) # of Split in Half _____

B1) # of Engaged _____ # of Engaged B2) _____

C) # of Wedged _____

Hardwood

Enter the Species _____



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City _____ State / Prov _____

ZIP / PCode _____

Notes: _____



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