TURNCRAFT
COLUMNS, POSTS, AND RAILING SYSTEMS

Poly-Classic® Ornamental Capital Installation Instructions For Poly/Resin Capitals WITH Centering Neck Sleeve

Capitals with centering neck sleeves are made of a load-bearing Poly/Resin material, and have a centering sleeve ("neck sleeve" or "plug") built-in to connect the column shaft to the capital. When using caps with neck sleeves, the top of the shaft MUST be cut off before installing the capital. (The factory may trim the shaft before shipping.) For an architecturally correct installation, using Empire, Greek Angular Ionic, Greek Erectheum, Roman Doric Ornamental, Roman Ionic or Scamozzi capitals, the installer should trim to below the neck ring, leaving only the flat ring (fillet) directly below the neck ring. For Empire with Necking, Greek Erectheum with Necking, Modern Composite, Roman Corinthian and Temple of Winds capitals, the shaft should be trimmed flush at the top of the astragal molded in the shaft. See the trimming illustration at right.

Since the different capital styles have different heights, the overall maximum height of the finished column will most likely change. Please see the "Height Adjust" information in the Poly-Classic Ornamental Capitals specifications pages to determine the height difference when using ornamental capitals.

Installation Steps (in addition to standard instructions):

1) To help keep the top of the column in the correct place, you may want to cut a "centering block" to fit inside the top of the capital. Scraps of plywood or other materials are commonly used. Attach this centering block to ceiling/soffit.

2) Using an abrasive blade (Carborundum, carbide or similar) trim the shaft accordingly (see diagram at right).

3) Calculate the correct finish height and trim the bottom of the shaft accordingly. Slide base over bottom of the shaft, then attach the installation brackets at the bottom of the shaft.

4) Set the capital on top of the column shaft. Pre-drill shaft and neck sleeve and countersink the column shaft where you want screws to attach the capital to the shaft. Remove cap, apply construction adhesive or caulking to the base of the cap and the neck sleeve, then re-insert into the top of the shaft, and attach with non-corrosive screws.

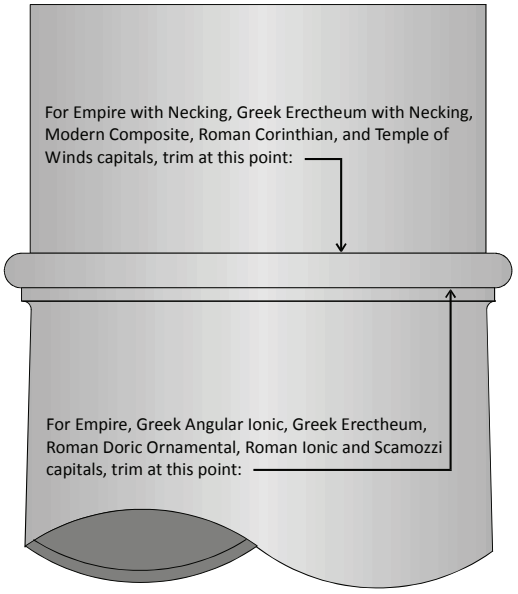
5) Apply construction adhesive or caulk as needed to the top of the cap. All column installations should be flashed if they are placed in an area where water, debris, etc. could accumulate inside the shaft.

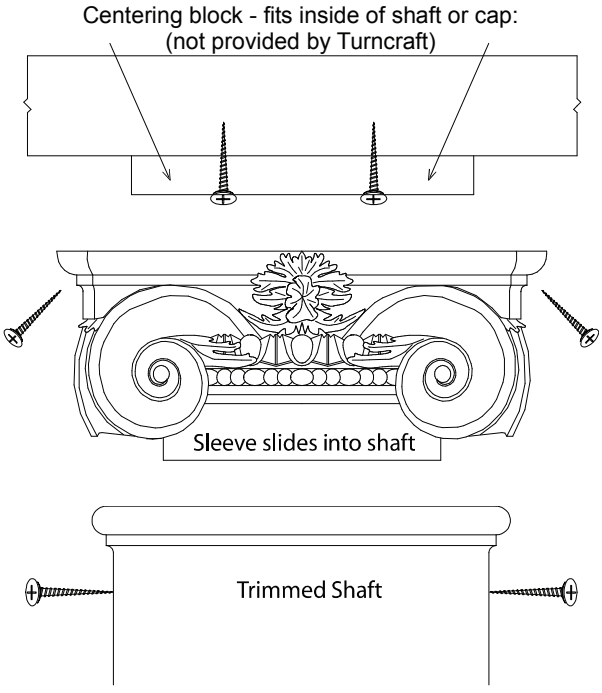
6) If necessary, jack up the roof where the column is to be installed (approximately 1/4" is usually sufficient.) Raise the column into place, slipping the top over the centering block, then sliding the bottom in until the column is plumb. Lower roof onto column.

7) Pre-drill and counter-sink through the capital abacus (top) and attach to the ceiling/soffit with non-corrosive screws.

8) Attach column at base (see standard column installation instructions). Fill all countersunk screw holes, seams, etc. with caulk. Sand, clean and finish according to standard instructions.

Trimming shafts for use with Poly/Resin capitals:





TURNCRAFT®
COLUMNS, POSTS, AND RAILING SYSTEMS

Poly-Classic® Ornamental Capital Installation Instructions For Capitals WITHOUT Centering Neck Sleeve

Capitals without centering neck sleeves are made of FRP or polyurethane. These are designed for the simplest installation—merely slide the capital over the column shaft neck, and rest it on the column's astragal. Capitals are load-bearing if they are TALLER through the center than the neck of the column shaft. If the capital height through the center is shorter than the shaft neck, the installer will need to trim the top of the shaft to a height 1/8" taller than the capital. This allows the shaft, rather than the capital, to carry the load placed on the column.

Since the different capital styles have different heights, the overall maximum height of the finished column may change. Please see the "Height Adjust" information in the Poly-Classic Ornamental Capitals specifications pages to determine the height difference when using capitals.

Installation Steps (in addition to standard instructions):

1) To help keep the top of the column in the correct place, you may want to cut a "centering block" to fit inside the top of the capital. Scraps of plywood or other materials are commonly used. Attach this centering block to ceiling/soffit.

2) For capitals that are shorter than the neck of the column shaft above the astragal, slide the capital over the neck, and mark a line around the shaft 1/8" above the capital. Remove the capital, and trim the column at that line. (The extra 1/8" prevents the capital from having a load placed upon it—the load is carried by the shaft instead.) This step doesn't apply if the capital is taller than the neck of the column shaft.

3) Calculate the correct finish height and trim the bottom of the shaft accordingly. Slide base over bottom of shaft, then attach the installation brackets at the bottom of the shaft.

3) Apply a small bead of construction adhesive around the astragal (neck ring) on the shaft. Slide the capital onto the shaft. It is not necessary to attach the capital to the shaft—do not install screws through the capital into the shaft. Installing screws into FRP column shafts is not recommended and could void your warranty.

4) Add flashing to the top of the capital if necessary. (All column installations should be flashed if columns are installed in an area where water, debris, etc. could accumulate inside the shaft.) Flashing should be attached with construction adhesive, and the edges of the flashing folded over the sides of the capital.

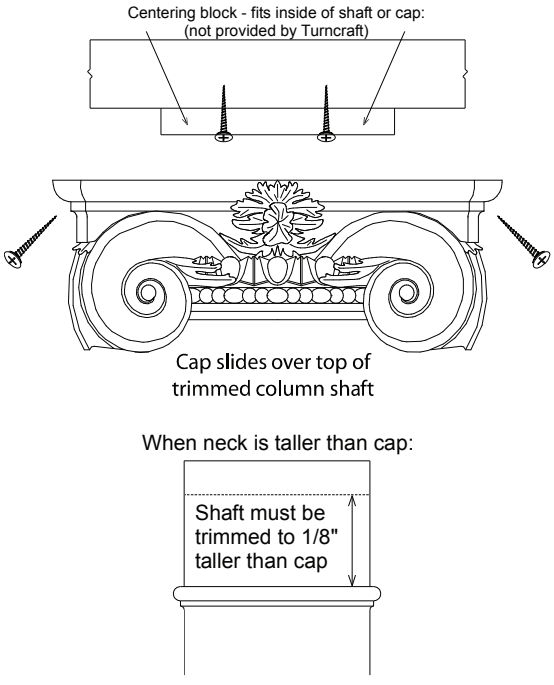
5) Apply construction adhesive or caulk as needed to the top of the capital (or flashing).

6) If necessary, jack up the roof where the column is to be installed (approximately 1/4" is usually sufficient.) Raise the column into place, slipping the top over the centering block, then sliding the bottom in until the column is plumb. Lower roof onto column.

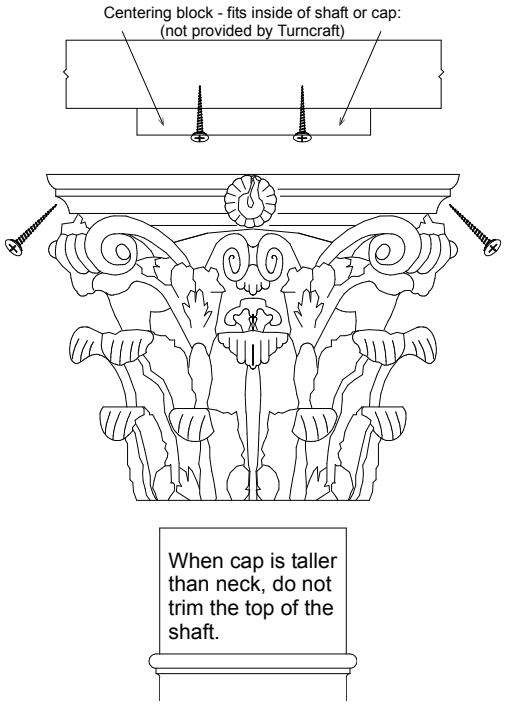
7) Pre-drill and counter-sink through the capital abacus (top) and attach to the ceiling/soffit with non-corrosive screws.

8) Attach column at base (see standard column installation instructions). Fill all countersunk screw holes, seams, etc. with caulk. Sand, clean and finish according to standard instructions.

When Cap is Shorter than Column Neck:



When Cap is Taller than Column Neck:



TURNCRAFT
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Attaching Railing to Turncraft® Poly-Classic® Columns

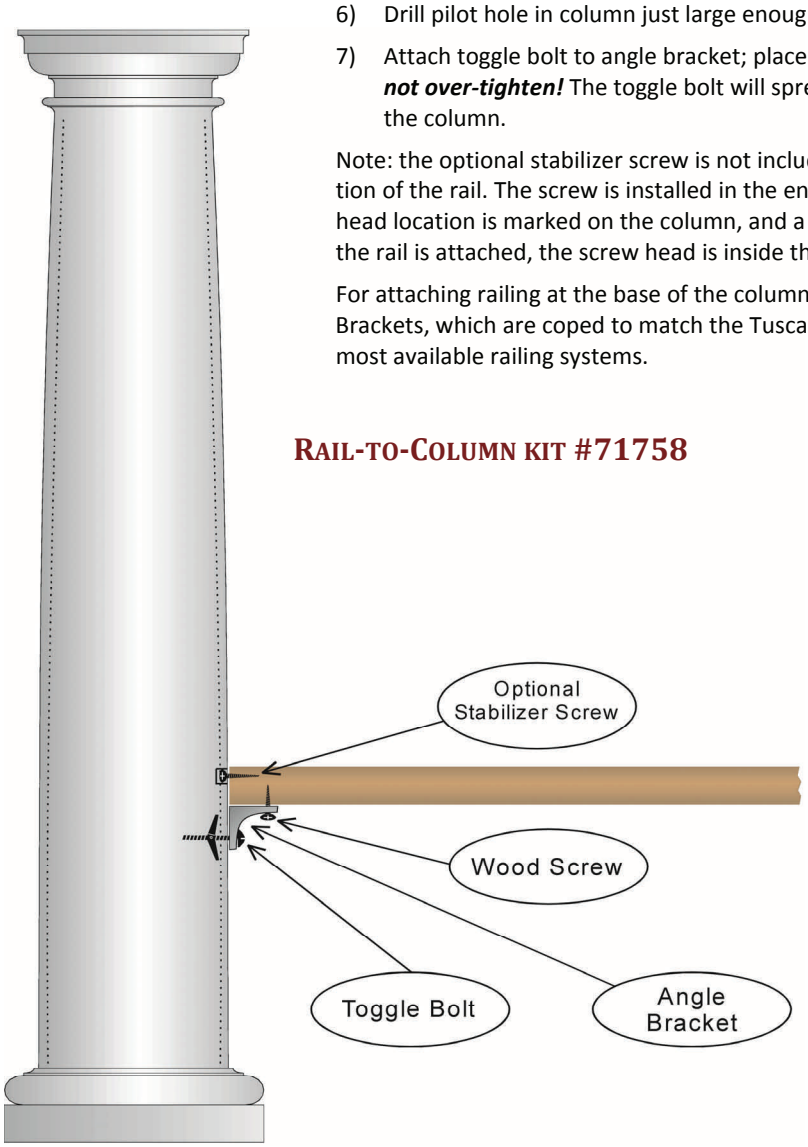
This illustration shows the typical method of attaching railing to FRP Poly-Classic columns. Use of a toggle bolt is best, since Installing screws into FRP column shafts is not recommended and could void your warranty.

1) Trace the curve of the column at the point where rail is to be attached. Use of a contour gauge is helpful, or cut a cardboard template until an accurate fit is achieved.
2) Copy the traced curve to the end of the rail which will be attached to the column.
3) Carefully cope the end of the rail to match the curve, ensuring an attractive fit.
4) Attach the angle bracket to the bottom of the railing using non-corrosive wood screws.
5) With rail positioned at the correct height, mark the column where the hole will need to be drilled (bottom hole in angle bracket).
6) Drill pilot hole in column just large enough to allow toggle bolt to be inserted.
7) Attach toggle bolt to angle bracket; place rail and insert toggle through pilot hole and affix. ***Do not over-tighten!*** The toggle bolt will spread any force applied over a wide area of the inside of the column.

Note: the optional stabilizer screw is not included in the #71758 kit. It would be used to prevent rotation of the rail. The screw is installed in the end of the rail, leaving the head protruding. The screw head location is marked on the column, and a hole is drilled into which the screw head will fit. When the rail is attached, the screw head is inside the hole, preventing the rail from rotating.

For attaching railing at the base of the column, you may wish to use our TimeSaver Rail Adapter Brackets, which are coped to match the Tuscan base profile, and come in standard and tall sizes to fit most available railing systems.

Rail-to-Column kit #71758



TimeSaver Rail Adapter Brackets