

1. Position the newel on the handrail centerline and scribe a line on the floor completely around the newel. Find the center of the newel on the floor by scribing an (x). Drill a 5/8" hole into the floor 1 1/4" to 2 1/4" deep at the newel center. Chamfer the edge of the hole to reduce splintering.

2. Drive the steel insert into the floor using the Insert-Runner™(3085). Or, install the (2) hex-nuts on the installer bolt and lock them together at the shank of the bolt leaving at least 1/4" of threads exposed on the end of the bolt to receive the steel insert. Thread the installer bolt into the steel insert until the insert contacts the hex-nuts. **DO NOT LOCK THE INSERT AGAINST THE HEX-NUTS!**

3. Thread the steel insert into the floor to the desired depth. The insert must be at least 1/8" below floor level or deeper if desired. Unseat the installer bolt and remove it.

4. After cutting the newel post to length, find the center on the bottom square by scribing an (x) from corner to corner. Drill a 5/16" dia. pilot hole into the bottom of the newel post.

5. Remove the (2) hex-nuts from the installer bolt and install them on the hanger bolt locking them together. Install the hanger bolt into the bottom of the newel post. Leave enough of the bolt exposed to reach through the floor and thread completely into the steel insert. Unlock and remove hex-nuts.

6. Thread the newel post into the steel insert until it contacts the floor on all four corners. To seat the newel firmly to the floor, it can usually be turned (1) full turn after it contacts the floor on all sides. Glue or construction adhesive should be used on the bottom of the newel post upon final assembly.

Tools Needed: 5/16" Twist Bit, 5/8" x 3" Flare Spade Bit, , 9/16" Wrench to tighten the bolt into newel base.

