Although we focus on serving and supplying precasters/prestressers at the plant level, we also receive calls from erectors and contractors who are working with precast elements at the jobsite. Often, they are looking for the lifting apparatus to lift a piece that has been fabricated using either our Lifting Pin or QuikLift™ anchors, but they are not sure which size lifting hardware is required for their particular application.

A Common Misconception

A common misconception is that the overall weight of the precast piece will dictate which size Lifting Eye (for Lifting Pin) or Ring Clutch (for QuikLift™) is needed, as these are referred to by their rated capacity (1T, 2T, 4T, 8T, 20T), however, that is not necessarily the case. The proper Eye/Clutch is determined by the actual anchor that the precaster has embedded in the element in question, and there are several methods to determine that answer. The most common way is to contact the manufacturer and ask which specific anchor was used in the precast component, but that is not always possible, especially on a piece that has been in place for some time.

A Reliable Solution

There is another reliable method, and that is to measure the void left by the recess in the casting process, which is the area around the anchor where the Eye/Clutch will engage. The following explain measuring methods for Lifting Pin anchors and then for QuikLift™ anchors:

**For Lifting Pin anchors** (which look like a nail head in a circular hole), measuring the diameter of the hole and the diameter of the head will give us the information needed to determine the correct Lifting Eye for your application.
For QuikLift™ anchors (which leaves an oblong or oval-shaped void with a piece of flat steel centered), you will need to measure the length and width of the void at the surface of the piece to be lifted. These measurements will determine the proper Ring Clutch to be used for your job.

Accelerate Lead Time
Once you have the measurements in hand, you can cross reference against our technical data sheets for the recess members, or call us to verify that you are ordering the correct material to get your job done. Doing so will help eliminate returns and costly delays and keep you moving on your project.

Customer tip provided by
Inside Sales Representative,
Tony Cuttone