

## Concrete Anchor Tool

This piece of hardware is an anchor bolt used in concrete. The anchor is placed into a hole in concrete and as a bolt is turned the anchor expands and holds inside the hole. Using it to hold a pen blank the hole in the blank and brass tube act as the hole in the concrete and the anchor is expanded holding the pen blank securely. The exposed part of the anchor's bolt is then held in a Jacob's chuck



The top image is two anchors. One is  $3/8"$  x  $1\ 7/8"$  and the second one is  $3/8"$  x  $3"$ . I removed the sleeve from the shorter bolt and placed it on the longer bolt with washer and nut as shown in the third image. The bottom image is a baron cap tube over the sleeve and the nut was turned against the washer enough to lock the brass tube in place. I placed the "anchor mandrel" in a Jacob's chuck and surprisingly it ran straight and true. I noticed no wobble. This is the first time I've tried this and I will have a complete report next month on exactly which kits can be used with the limited sizes of these anchors. Oh, and the two anchors only