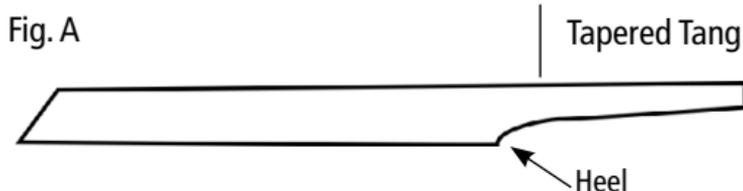


## Modifying Gravers and Other Tools To Fit H8-214 Adapter Micro Motor Hammer Handpiece MH-011

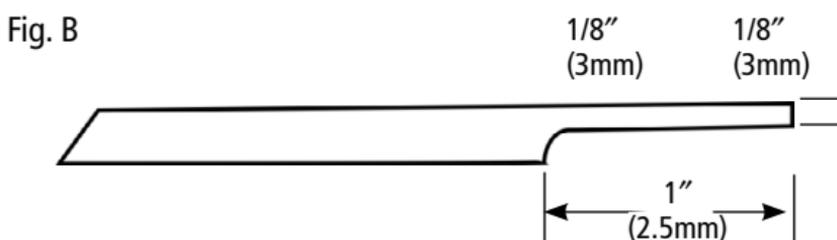
Modifying tools to fit securely in the adapter is not difficult. The shank or tang end of the tool must be ground or cut so that it is at least 1" (25mm) long and 1/8" (3mm) or less in diameter.

### Modifying Gravers

The tapered tang on the traditional style gravers need to be ground as shown below. A new graver's tapered tang (Fig. A) can be ground with a bench grinder, belt sander, or grinding wheel in a flexible shaft handpiece until it is straight (see Fig. B) and 1" (25mm) long and 1/8" (3mm) wide.



Try to keep the 1" long section in line with the top, bottom and sides of the graver as much as possible for better control of the cutting edge.



### Determining the Length of the Graver or Tool

Having the graver or tool at a comfortable length from the chuck is very important. A graver that is too long feels awkward and is difficult to control. To determine a workable graver length first insert a graver with the tang end modified into the adapter. Position the handpiece comfortably in your hand. Then, extend your thumb or index finger onto the adapter, or along the length of the graver blade as you hold the handpiece. Mark the graver at about 3/4"– 1" (19–25mm) past the end of your thumb or index finger. This is the length where the graver should be to provide an efficient working length.

To shorten a graver use the corner of a bench grinding wheel (or a diamond cut off wheel) to first grind half way through one side of the graver where marked. Then grind most of the way through the other side of the graver until it is thin enough to snap off after placing it in a bench vise.

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